TAYLOR
METAL PRODUCTS
Quality Products, Exceptional Service

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1 – Coatings & Warranties

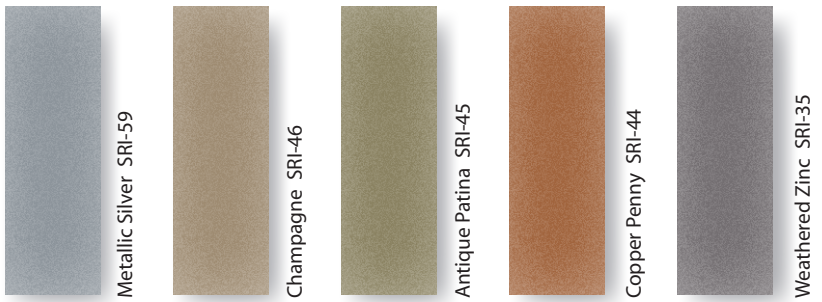
TAYLOR METAL PRODUCTS

Standard Cool Kynar 500® Colors

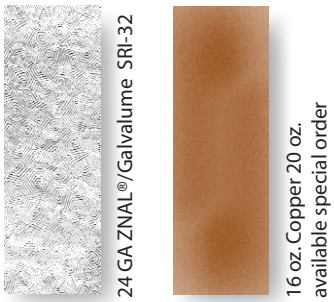
30-Year Manufacturer's Residential Warranty

Standard KYNAR 500® Coatings - *See chart on back for product availablility*

Metallic KYNAR 500® Coatings



Galvalume & Copper



in partnership with:

ENERGY STAR PARTNER

PPG Coatings Protected

steelscape

22 Gauge available upon request. Coatings are low gloss 10-15% sheen.
Due to variations in computer monitors, we cannot guarantee the accuracy of colors presented on-screen with actual products.
Please refer to a color card or paint swatches to ensure color accuracy.

4566 Ridge Drive NE, Salem, OR 97301 • **Phone: 503-581-8338 or 1-800-574-1388** • Fax: 503-581-6877 • www.taylormetal.com

TAYLOR METAL PRODUCTS

Cool 40-Year ARMOR TECH Colors

40-Year Manufacturer's Limited Warranty

Standard ARMOR TECH Coatings

Glacier White
SRI-70

Stone White
SRI-71

Ivory
SRI-58

Light Stone
SRI-58

Sandstone
SRI-48

Hickory
SRI-48

Sterling Grey
SRI-43

Charcoal Grey
SRI-25

Pacific Blue
SRI-26

Tahoe Blue
SRI-26

Sage Green
SRI-31

Forest Green
SRI-22

Cocoa Brown
SRI-27

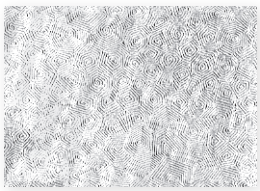
Weathered Copper
SRI-25

Kodiak Brown
SRI-22

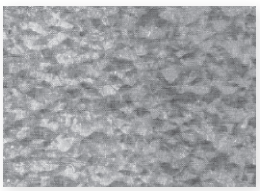
Pine Green
SRI-22

Tile Red
SRI-33

Black
SRI-24



Galvalume/Zincalume



Galvanized

Due to variations in computer monitors, we cannot guarantee the accuracy of colors presented on-screen with actual products.
Metal samples are available upon request.
Metallic coatings are "batch sensitive," color may vary.

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TAYLOR METAL PRODUCTS

Kynar 500® REGISTERED WARRANTY

30 Year, Transferrable, Non-Prorated Limited Warranty

Subject to the conditions and exclusions set forth in this warranty, **TAYLOR METAL , INC.** (hereinafter referred to as TMP) provides the following express limited warranty with regard to Kynar 500®/Hylar 5000® coated galvanized steel products of its manufacture for use as an exterior roofing or sidewall building product (hereinafter referred to as Product).

Registration: Within 45 days after installation of the Product has been completed, the Original Property Owner(s) must complete a Warranty Registration Card in full and mail it to TMP. Upon receipt, TMP will forward, by mail, to the Owner(s) the Registered Warranty complete with registration number. The Owner(s) should keep this Registered Warranty in a safe place for future reference. Failure to notify TMP of the registration shall relieve TMP of all obligations hereunder. In addition, the warranty does not and will not take effect until the project has been paid in full.

Performance: Although it is recognized by all parties to this Warranty that all coatings, including Kynar 500®/Hylar 5000®, will fade and change in appearance to some degree over a period of time in outdoor installations, and that such changes may not be uniform between surfaces not equally exposed, TMP warrants for a period of 30 years from the date of installation that when exposed to normal atmospheric conditions and conditions of ordinary wear the Product will not:

A. Peel, check, flake or crack (except for slight crazing or cracking as may occur with normal roll-forming or brake bending and which is accepted as standard);
B. Chalk in excess of a numerical rating of 6, as measured using the procedures of ASTM D-4214-89 (Method D-659); nor
C. Fade or change color more than 8 E units (Hunter Color Difference), as measured using the procedure of ASTM D-2244-85, comparing an unexposed retain panel to the exposed panel after removal of dirt and chalk.

TMP's liability under this Warranty is limited as follows: If TMP determines the Product to be defective according to the terms of this Warranty, TMP shall, at its sole option, repair or refinish the defective Product, replace the defective Product from current stock or refund the original purchase price of the defective Product. In no event shall TMP's liability exceed the original material costs of the Product.

TMP shall not be liable for any expenses connected with the labor for the replacement of the defective Product or any incidental or consequential damages. The Warranty for any repaired or replaced Product shall be for the remainder of the warranty period applicable to the original Product. Delivery charges, installation costs and taxes are not covered by this Warranty.

Conditions and Exclusions: This Warranty is Subject to the Following Exclusions, Limitations and Conditions:

a. The Warranty covers only Product erected in the continental United States, Alaska and Hawaii which are exposed to normal weather and atmospheric conditions.
b. This warranty shall not apply to product located 3,280 feet or fewer from a salt-water, salt spray or marine environment. For installation locations between 3,280 feet to within 1,320 feet the warranty is reduced to 15 years. Site specific warranties are available upon request.
c. This warranty shall not apply to Product that has been painted or whose surface has been altered in any way without written authorization from TMP. Repair attempts or damage caused by such acts prior to TMP's inspection or written authorization shall void any and all protection under this warranty.
d. The Product must be installed to prevent standing water and condensation. When used as roofing panels, the Product must be installed with a minimum pitch of 3/12 for Easy Lock, 1/12 for MS150, 1/2/12 for MS200 and 2/12 for Versa Span roofs.
e. The Product must be washed annually with either a fresh water rinse or with a 5% solution of fresh water and mild detergent to prevent the accumulation of concentrated deposits. Fresh water rinses must be documented. Product may be pressure washed, however, settings must not exceed 1,000 PSI and 4 GPM. Any use of abrasive materials or chemical cleaners of any sort will void any and all coverage under this warranty.
f. The warranty shall not cover failures or damage which arise out of any of the following:
   1. The formation of rust on cut panel edges, commonly referred to as cut end or cut edge corrosion/exposure.
   2. Direct or effective exposure to corrosive chemicals, fumes or materials including, but not limited to dissimilar metals, treated lumber, creosote or ash.
   3. Failure to routinely remove any debris accumulations from the Product including, but not limited to, pine needles, leaves or other accumulations of foreign substances.
   4. Use of any patina enhancing/modifying agents, chemical protectors/sealants of any kind, or any other materials placed on the Product other than those stated in "e" above.
   5. Occurrences beyond TMP's control such as acts of God, falling or wind blown objects, explosions, fires, vandalism, civil disturbances, external forces, improper handling, improper installation, modification or misuse of the product.
g. In no event is TMP liable for any incidental or consequential damages, including, but not limited to: personal injury, property damage or lost income.
h. TMP reserves the right to discontinue or change any design or color of the Product. If, for any reason, Product of the type originally installed are no longer available from TMP at the time the defect is discovered, TMP, in fulfillment of its warranty obligation hereunder, shall have the right to substitute another Product determined by TMP, in its sole discretion, to be of comparable quality and price.

Transfer: This warranty may be transferred once by the Original Property Owner(s) to a subsequent Owner(s) of the property for the remainder of the warranty period. This warranty may not be transferred by other than the Original Property Owner(s). Written notice of transfer must be given to TMP within 30 days after the date of transfer of ownership. Such notice must include all information on the TMP Registration Transfer Card. Failure to notify TMP as described above will void the warranty.

Claims Procedure: Any claim must be presented in writing to TMP within the warranty period and within 45 days of time after the defect is discovered. The claim must describe the claimed defect, the date the defect was discovered, and include pictures that clearly show the defect. The claim must reference the Warranty Registration Number and the original date of installation, and shall include the owner(s) name, address and phone number. TMP shall be given a reasonable opportunity to inspect the Product in question. Notice shall be sent by registered mail to: ATTN: Warranty Claims, Taylor Metal, Inc., 4566 Ridge Dr. NE, Salem, OR 97301.

Sample

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION AS STATED HEREIN, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS OF PURPOSE. TCP SHALL NOT BE RESPONSIBLE FOR ANY INDIRECT OR CONSEQUENTIAL DAMAGES OR FOR ANY KIND OF LOSS WHATSOEVER. UNDER NO CIRCUMSTANCE SHALL TCP'S LIABILITY UNDER THIS WARRANTY EXTEND BEYOND THE PRODUCT'S ORIGINAL MATERIAL COSTS.

Original Property Owner(s): _____

Installation Address: _____

Purchaser: _____

Purchase Date: _____ Invoice #: _____

Issued by **TAYLOR METAL, INC.**

Signature: _____

Title: _____ Name: _____

Registration #: _____ Date_____

Revised 10/11

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TAYLOR METAL PRODUCTS

ARMOR TECH ™ 40

Limited 40 Year Warranty

Subject to the conditions and exclusions set forth in this warranty, **TAYLOR METAL , INC.** (hereinafter referred to as TMP) provides the following express limited warranty with regard to ARMOR TECH™ coated steel products of its manufacturer for use as an exterior roofing or sidewall building product (hereinafter referred to as Product).

Performance: Although it is recognized by all parties to this Warranty that all coatings, including ARMOR TECH™, will fade and change in appearance to some degree over a period of time in outdoor installations, and that such changes may not be uniform between surfaces not equally exposed. TMP warrants Product that when exposed to normal atmospheric conditions and conditions of ordinary wear the Product will not:

A. Peel, check, flake or crack (except for slight crazing or cracking as may occur with normal roll-forming or brake bending and which is accepted as standard); For a period of 40 years
B. Chalk in excess of a numerical rating of 6, as measured using the procedures of ASTM D-4214-89 (Method D-659) for a period of 30 years; nor
C. Fade or change color more than 8 E units (Hunter Color Difference), as measured using the procedure of ASTM D-2244-85, comparing an unexposed retain panel to the exposed panel after removal of dirt and chalk for a period of 30 years.

TMP's liability under this Warranty is limited as follows: If TMP determines the Product to be defective according to the terms of this Warranty, TMP shall, at its sole option, repair or refinish the defective Product, replace the defective Product from current stock or refund the original purchase price of the defective Product. In no event shall TMP's liability exceed the original material costs of the Product.

TMP shall not be liable for any expenses connected with the labor for the replacement of the defective Product or any incidental or consequential damages. The Warranty for any repaired or replaced Product shall be for the remainder of the warranty period applicable to the original Product. Delivery charges, installation costs and taxes are not covered by this Warranty.

Conditions and Exclusions: This Warranty is Subject to the Following Exclusions, Limitations and Conditions:

a. The Warranty covers only Product erected in the continental United States, Alaska and Hawaii which are exposed to normal weather and atmospheric conditions.
b. This warranty shall not apply to product located 3,280 feet or fewer from a salt-water, salt spray or marine environment. For installation locations between 3,280 feet to within 1,320 feet the entire warranty is reduced to 15 years. Site Specific warranties are available upon request.
c. This warranty shall not apply to Product that has been painted or whose surface has been altered in any way without written authorization from TMP. Repair attempts or damage caused by such acts prior to TMP's inspection or written authorization shall void any and all protection under this warranty.
d. The Product must be installed to prevent standing water and condensation. When used as roofing panels, the Product must be installed with a minimum pitch of 1/4 / 12.
e. The Product must be washed annually with either a fresh water rinse or with a 5% solution of fresh water and mild detergent to prevent the accumulation of concentrated deposits. Fresh water rinses must be documented. Product may be pressure washed, however, settings must not exceed 1,000 PSI and 4 GPM. Any use of abrasive materials or chemical cleaners of any sort will void any and all coverage under this warranty.
f. The warranty shall not cover failures or damage which arise out of any of the following:
   1. The formation of rust on cut panel edges, commonly referred to as cut end or cut edge corrosion/exposure.
   2. Direct or effective exposure to animal waste, corrosive chemicals, fumes or materials including, but not limited to dissimilar metals, treated lumber, creosote or ash.
   3. Failure to routinely remove any debris accumulations from the Product including, but not limited to, pine needles, leaves or other accumulations of foreign substances.
   4. Use of any patina enhancing/modifying agents, chemical protectors/sealants of any kind, or any other materials placed on the Product other than those stated in "e" above.
   5. Occurrences beyond TMP's control such as acts of God, falling or wind blown objects, explosions, fires, vandalism, civil disturbances, external forces, improper handling, improper installation, modification or misuse of the Product.
   6. Condensation or other contamination or damage attributed to improper shipping, packaging and handling.
   7. Deterioration to the product caused directly or indirectly by contact with fasteners.
g. In no event is TMP liable for any incidental or consequential damages, including, but not limited to: personal injury, property damage or lost income.
h. TMP reserves the right to discontinue or change any design or color of the Product. If, for any reason, Product of the type originally installed are no longer available from TMP at the time the defect is discovered, TMP, in fulfillment of its warranty obligation hereunder, shall have the right to substitute another Product determined by TMP, in its sole discretion, to be of comparable quality and price.

Transfer: This warranty is extended to Buyer as the original purchaser from seller And is non-transferable and non-assignable to any other person or entity.

Claims Procedure: Any claim must be presented in writing to TMP within the warranty period and within 45 days of time after the defect is discovered. The claim must describe the claimed defect, the date the defect was discovered, and include pictures that clearly show the defect. The claim must reference the Warranty Registration Number and the original date of installation, and shall include the owner(s) name, address and phone number. TMP shall be given a reasonable opportunity to inspect the Product in question. Notice shall be sent by registered mail to: ATTN: Warranty Claims, Taylor Metal, Inc., 4566 Ridge Dr. NE, Salem, OR 97301.

Registration: Within 45 days after installation of the Product has been completed, the Original Property Owner(s) must complete a Warranty Registration Card in full and mail it to TMP. Upon receipt, TMP will forward, by mail, to the Owner(s) the Registered Warranty complete with registration number. The Owner(s) should keep this Registered Warranty in a safe place for future reference. Failure to notify TMP of the registration shall relieve TMP of all obligations hereunder. In addition, the effective date of the warranty shall be the date on which the buyer takes possession of the sellers product. This warranty will be null and void unless the product has been paid for in full.

Sample

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION AS STATED HEREIN, INCLUDING ANY WARRANTIES OF MERCHANTABILITY OR FITNESS OF PURPOSE. TCP SHALL NOT BE RESPONSIBLE FOR ANY INDIRECT OR CONSEQUENTIAL DAMAGES OR FOR ANY KIND OF LOSS WHATSOEVER. UNDER NO CIRCUMSTANCE SHALL TCP'S LIABILITY UNDER THIS WARRANTY EXTEND BEYOND THE PRODUCT'S ORIGINAL MATERIAL COSTS.

Original Property Owner(s): _____

Installation Address: _____

Purchaser: _____

Purchase Date: _____ Invoice #: _____

Issued by **TAYLOR METAL, INC.**

Signature: _____

Title: _____ Name: _____

Registration #: _____ Date_____

Revised 10/11

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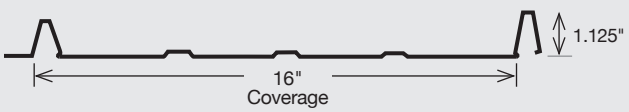
2 – Architectural Roof Panels

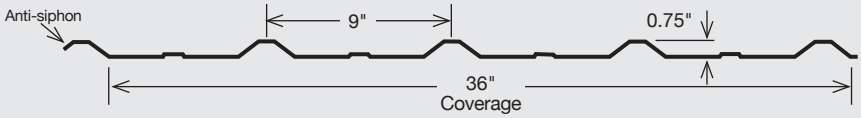
Paint Specifications

In testament to our commitment to deliver the highest quality products backed by exceptional service, Taylor Metal Products offers a ***40-Year, Limited Manufacturer's Warranty*** covering fading, chalking, chipping, cracking and peeling.

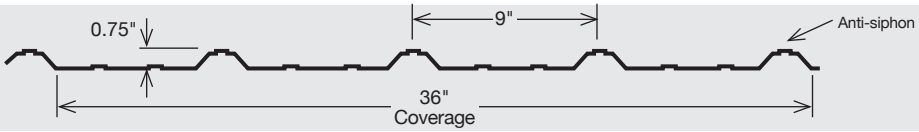
StreamLine™



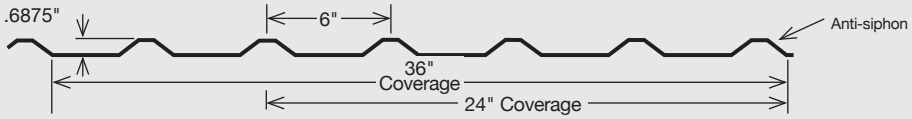
T-3



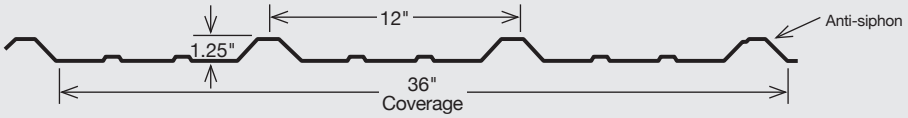
Tuff Rib



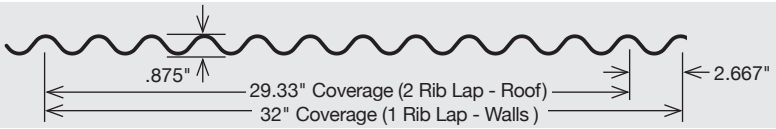
GR7-36" GR5-24"



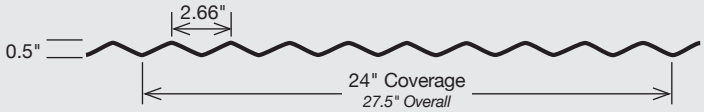
PBR



Classic 7/8" Corrugated™



Corrugated



	Gauge	Glacier White	Stone White	Ivory	Light Stone	Sandstone	Hickory	Sterling Grey	Charcoal Grey	Pacific Blue	Tahoe Blue	Sage Green	Forest Green	Pine Green	Cocoa Brown	Kodiak Brown	Tile Red	Weathered Copper	Zincalume	Galvanized	Black	22 Ga. RustSteel™
StreamLine	**26**	X	X		X		X	X	X	X		X	X	X	X	X	X	X	X			Inquire
T-3, Tuff Rib, GR7	**29**	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
T-3, Tuff Rib, GR7	**26**	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
PBR, Classic 7/8" Corrugated	**24**	X	Inquire																X			
PBR, Classic 7/8" Corrugated	**26**	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
GR5 & Corrugated	**26, 29**																		X	X		

For additional information on our paint system and products please contact the Taylor Metal Products team.

Oil Canning – All light gauge metals can display waviness often referred to as "oil canning". This is caused by steel mill tolerances, substrate variation and relative reflectivity. "Oil canning" is an inherent characteristic of steel products, not a defect, and is not a cause for rejection.

Quality Products | Exceptional Service

TAYLOR METAL PRODUCTS

Tel: 503.581.8338
Toll free: 1.800.574.1388
4566 Ridge Drive NE
Salem, Oregon 97301
www.taylormetal.com

June 2014

Taylor Metal Products Cool Kynar 500®

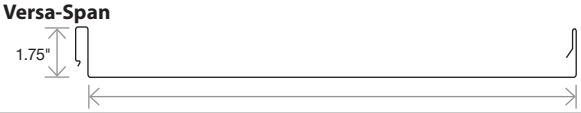
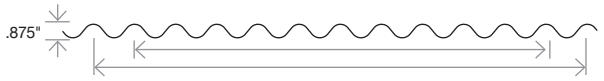
Taylor Metal Products uses the system acknowledged as the premier paint system for coating exterior metal—Kynar 500®. This high-performance paint system is extremely durable, providing long-term protection against color change and chalking as well as resistance to surface damage encountered under normal environmental conditions.

All Taylor Metal Products Kynar 500® coatings utilize pigments that are specifically designed to reflect infrared light, help reduce the heat gain of a dwelling, and conform with ENERGY STAR® criteria for steep slope cool roofing products.

PVDF is a fluoropolymer that is manufactured under the trademarked name Kynar 500®. Paint finishes containing a **minimum** 70% PVDF resin meet the high-performance weathering criteria established by the American Architectural Manufacturing Association and are allowed to carry the Kynar 500® trademarked name.

Taylor Metal offers the highest quality Kynar 500® coated paint finishes. Finish coating warranties cover fading, chalking, chipping cracking and peeling for the following applications:

- **Residential:** 30-Year, Transferable, Non-Prorated, Limited Manufacturer's Warranty
- **Commercial:** 20- or 30-Year, Non-Transferable, Non-Prorated, Limited Manufacturer's Warranty

Profile	Gauge	Width	Product Application	Minimum Slope	Wind Uplift	Air & Water	Fire Rating
Easy Lock	24 & 26	12" 16"	Aesthetic Roof, Vertical Wall & Fascia	3:12	UL580-Class 90	—	UL Class A
Versa-Span 	24	14.625" 18"	Structural, Aesthetic Roof, Vertical Walls & Fascia	2:12	UL580-Class 90 ASTM E1592	ASTM 1646 ASTM 1680	UL Class A
Clip-Lock12	24 & 26	12"	Aesthetic Roof, Vertical Walls & Fascia	3:12	—	—	UL Class A
MS200	24	14.625" 18"	Structural, Aesthetic Roof, Vertical Walls Fascia	1/2:12	UL580-Class 90 ASTM E1592	ASTM 1646 ASTM 1680 ASTM E2140	UL Class A
MS150/Curved MS150	24 & 26	12.75" 16.625" 20"	Structural, Aesthetic Roof, Vertical Walls, Fascia	1/2:12	UL580-Class 90 ASTM E1592	ASTM 1646 ASTM 1680	UL Class A
Smoothwall	24	12.625"	Aesthetic, Walls, Fascia,	—	—	—	UL Class A
Soffit/Fascia	24 & 26	12.625"	Aesthetic, Soffit, Ceiling	—	—	—	UL Class A
Classic 7/8" Corrugated 	22 & 24	Double Lap 29.33" Single Lap 32"	Aesthetic Roof & Vertical Walls	1:12	—	—	—

	Gauge	Glacier White	Sierra Tan	Parchment	Sterling Grey	Zinc Grey	Charcoal Grey	Saddle Tan	Medium Bronze	Tahoe Blue	Pacific Blue	Hemlock Green	Forest Green	Pine Green	Dark Bronze	Black	Burgundy	Terra Cotta	Tile Red	Colonial Red	Retro Red	Metallic Silver	Champange	Antique Patina	Weathered Zinc	Copper Penny	Zincalume	Copper 16 oz.	Copper 20 oz.	22 Ga. Rust Steel
12" Easy Lock Smoothwall Soffit 12.75" MS150 Cliplock	26		X		X	X	X	X	X	X		X	X	X	X	X	X		X	X						X				
	24	X		X		X	X		X	X	X		X	X	X												X		X		
Classic 7/8" Corrugated	24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X	X	X	X	X	X	X			
16" Easy Lock 16.625" MS150 14.625" Versa Span 14.625" MS200	24				X	X	X	X	X				X	X	X				X			X	X	X	X	X		INQUIRE	INQUIRE	INQUIRE
18" MS200 18" Versa Span 20" MS150	24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X			

***22 Gauge material available, please call to inquire**

TAYLOR METAL PRODUCTS

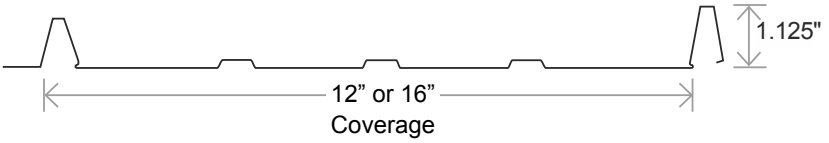
Tel: 503.581.8338
Toll free: 1.800.574.1388
4566 Ridge Drive NE
Salem, Oregon 97301
www.taylormetal.com

Kynar 500 is a registered trademark of Arkema, Inc.

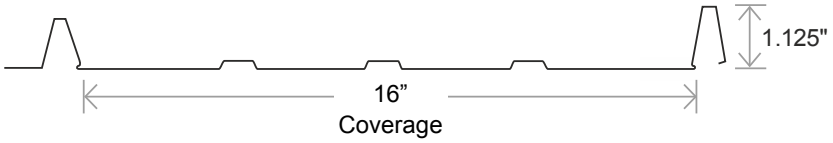
June 2014

Architectural Roof Panels:

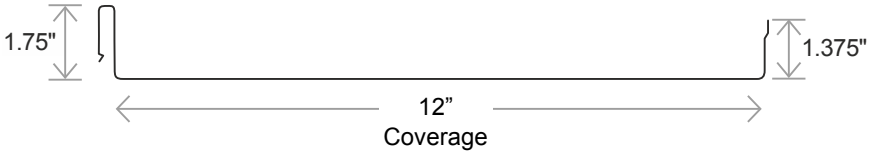
Easy Lock™



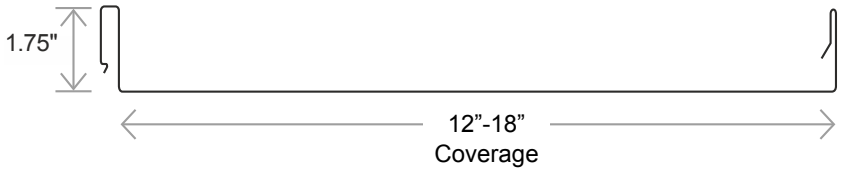
StreamLine™



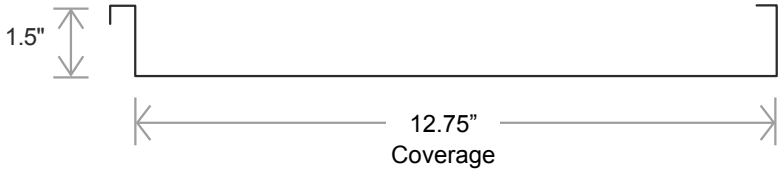
Clip Lock



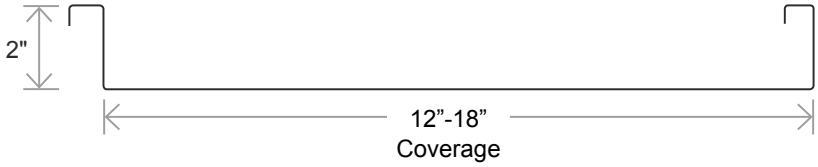
Versa Span



MS150



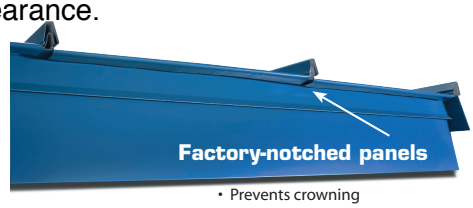
MS200



TAYLOR METAL PRODUCTS

Easy-Lock™ STANDING SEAM

The Easy-Lock ™ Standing Seam is the only metal roofing panel with a patented no-siphon dry lock seam, with a unique reversing feature to allow installation of panels from both directions starting at any location. The panel is designed with softer, less industrial lines to provide an architecturally pleasing appearance.



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

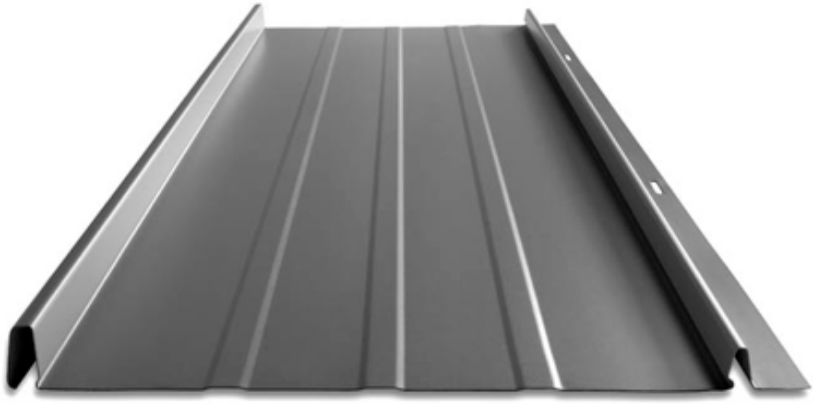
Key Features

- 12˝, 16˝ and 18˝ coverage options
- 26, 24 & 22 gauge Tru-Gauge™, .032 Aluminum and 24 gauge Bonderized (G-90)
- 16 & 20 oz. Copper *please inquire*
- Factory-notched panels available
- Vertical interlocking application: allows installation from both directions starting at any location
- Patented no-siphon lock seam
- 1⅛˝ vertical rib with ⅜˝ flat top for ease of flashing attachment
- Concealed fasteners: fasteners cannot leak
- Pre-slotted fastener flange: allows expansion/contraction of panel
- UL - Code compliance UL Evaluation Report UL ER 25913-01
- UL580 Class 90 wind uplift, UL Class A fire rated
- UL Contruction No. 529
- 3:12 minimum pitch recommended: for lower pitches please inquire
- Standard panel lengths 2' to 35': for longer panels, please inquire
- Pan options: Flat pan, Accent ribs, Striations

Panel Profiles

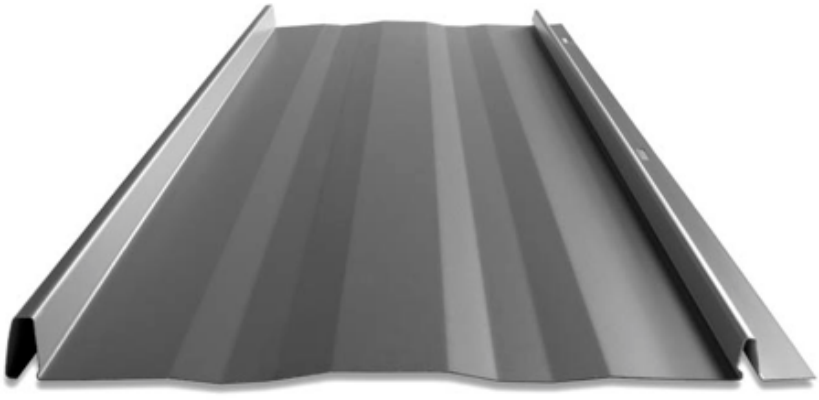
Flat Pan

12˝ ,16˝ and 18˝ coverage options



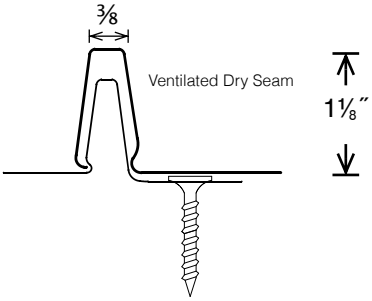
Accent Ribs

3 Accent ribs for 12˝ panel
4 Accent ribs for 16˝ & 18˝ panel

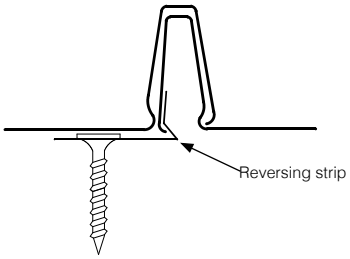


Striated

Lock Seam Detail



Reverse Lap Detail



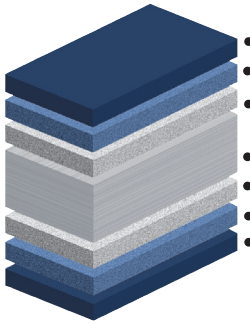
TAYLOR METAL PRODUCTS

Material Specifications

- 26 gauge Kynar 500® Painted Steel
  .019˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 24 gauge Kynar 500® Painted Steel
  .0236˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 24 & 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲22 gauge Kynar 500® Painted Steel
  .029˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 22 gauge Rusteel™ (cold-rolled)
- 22 gauge Rusteel Plus™ (A606)
- 24 gauge Bonderized (G-90)
- 16 and 20 ounce Copper *please inquire*
- Kynar and substrate testing data available
  (See website)

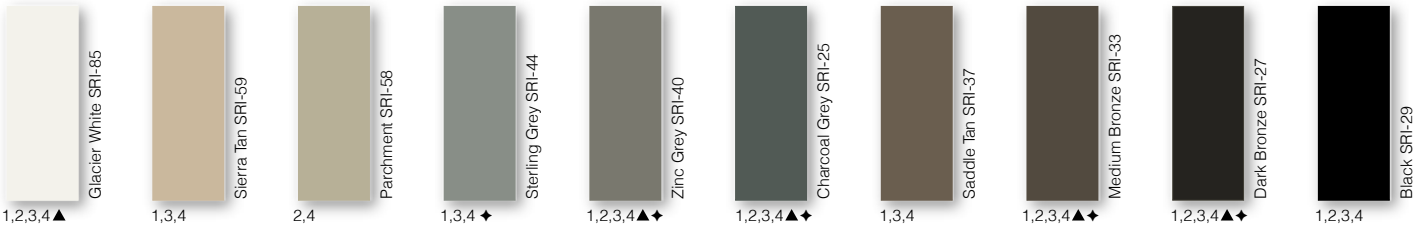
Key Features

- 20 Standard Color, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)

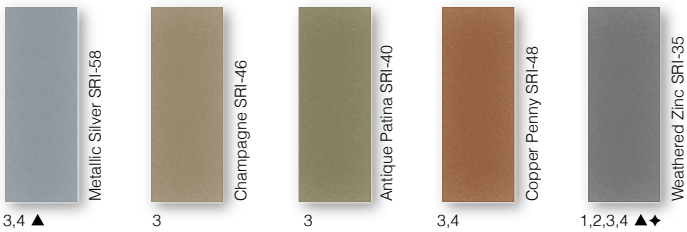


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

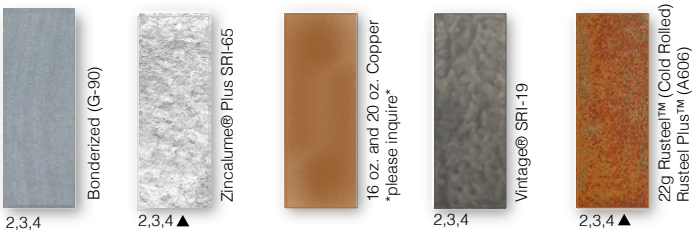
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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
"Oil Canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

steelscape

(Inquire for other panel sizes)

Standard Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
12˝	26	1	1.13	1.13
12˝	24	2	1.33	1.33
16˝	24	3	1.24	1.65
18˝	24	4	1.21	1.82
16˝	.032	✦	.58	.78
16˝	22	▲	2.07	2.75

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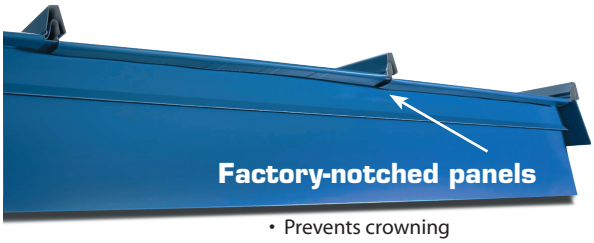
TAYLOR METAL PRODUCTS

StreamLine™ STANDING SEAM

The StreamLine™ Standing Seam is the only metal roofing panel with a patented no-siphon dry lock seam, with a unique reversing feature to allow installation of panels from both directions starting at any location. The panel is designed with softer, less industrial lines to provide an architecturally pleasing appearance.



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

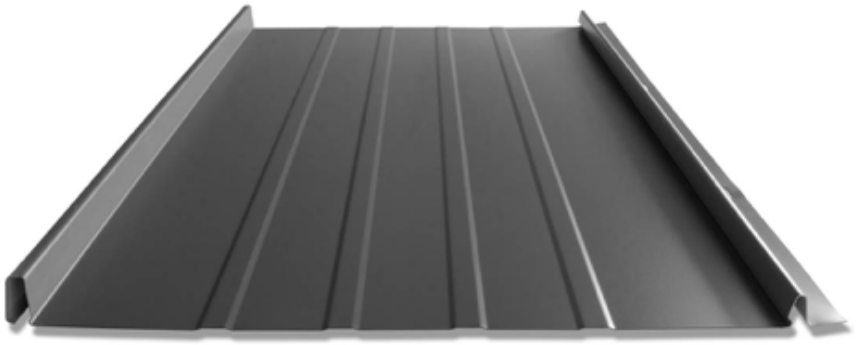
Key Features

- 16″ coverage
- 26 Tru-Gauge™
- Factory-notched panels available
- Vertical interlocking application: allows installation from both directions starting at any location
- Patented no-siphon lock seam
- 1⅛″ vertical rib with ⅜″ flat top for ease of flashing attachment
- Concealed fasteners: fasteners cannot leak
- Pre-slotted fastener flange: allows expansion/contraction of panel
- UL580 Class 90 wind uplift
- UL Class A fire rated
- 3:12 minimum pitch recommended: for lower pitches please inquire
- Standard panel lengths 2' to 35': for longer panels, please inquire
- Pan options: Flat pan, Accent ribs, Striations

Panel Profiles

Flat Pan

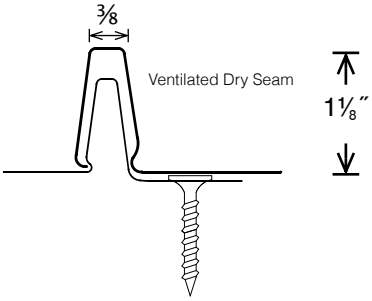
16″ coverage



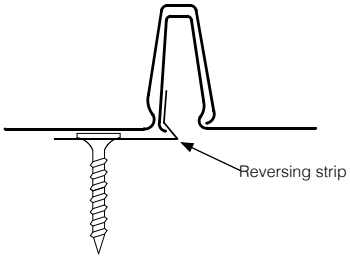
Accent Ribs

Striated

Lock Seam Detail



Reverse Lap Detail



TAYLOR METAL PRODUCTS

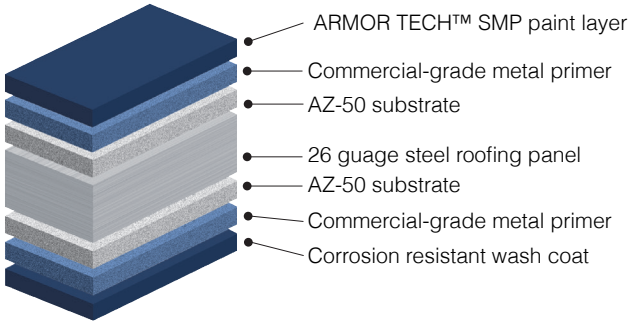
Material Specifications

- 26 gauge ARMOR TECH™ SMP Painted Steel .019˝ (thickness prior to painting) AZ-50 Substrate
- 26 gauge bare Zincalume® Plus with Clear Acrylic Coating AZ-55

Standard Weight				
Width	Gauge	Color	LBS SQFT	LBS LF
16˝	26	ArmorTech	1.13	1.13

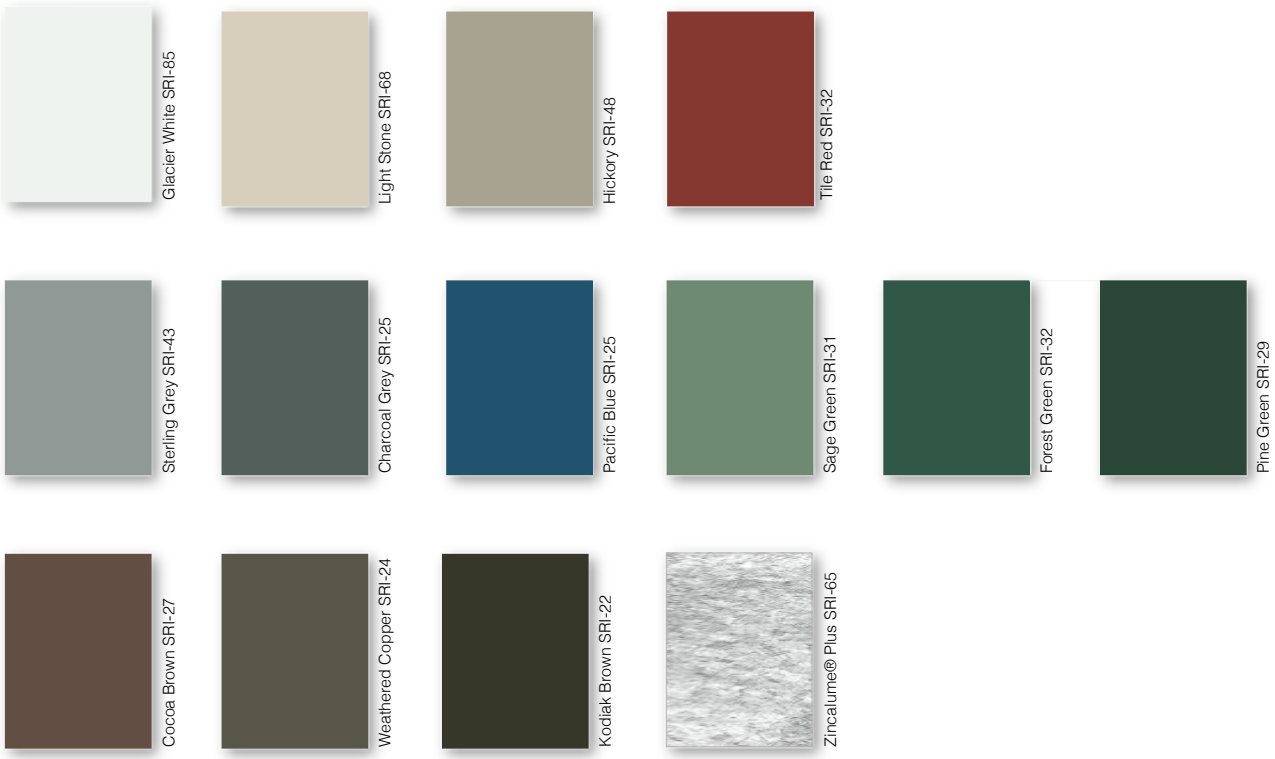
Key Features

- 13 Standard Colors
- ARMOR TECH™ Paint System-the ultimate in exterior durabiity
- "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 SMP resin system at 1.1 mils
- 40-year residential paint warranty
  - fading
  - chalking
  - chipping
  - cracking
  - peeling



Standard Cool ARMOR TECH™ SMP Colors

40-Year Residential Manufacturer's Limited Warranty



These printed chips provide a close representation of the colors. Metal samples are available upon request. Coatings are low gloss 10-15% sheen.

"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection.
SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

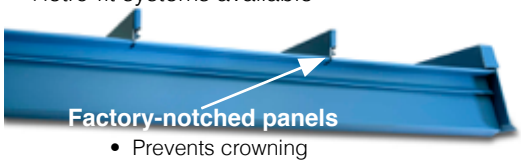
steelscape PPG ENERGY STAR CRRC COOL ROOF RATING COUNCIL MEMBER

TAYLOR METAL PRODUCTS

Versa-Span™ & Versa-Span™ SB

STRUCTURAL SNAP-LOCK

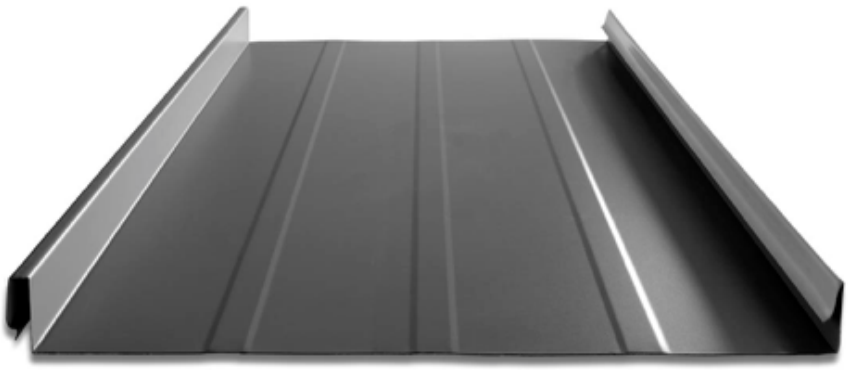
- 12″ to 18″ coverage options
- 24, 22 Tru-Gauge™ and .032 Aluminum
- Floating clip system: allows for expansion/contraction of panels in longer lengths
- 1¾″ vertical rib, factory notching available
- Factory injected Butyl sealant available with testing
- Structural panel that will span up to 4'
- Concealed fasteners: fasteners cannot leak
- Manufactured in Sacramento, CA & Salem, OR
- UL - Code compliance UL Evaluation Report UL ER 25913-01
- UL580 Class 90 wind uplift,UL Class A fire rated
- UL Construction No. 254, 255, 261, 303, 343, 414, and 508A.
- ASTM E-1592-Structural uniform static air pressure
  ASTM 1646- Water infiltration
  ASTM 1680- Air infiltration
- Weather tightness warranty available
  (Contact TMP representative for details)
- 2:12 minimum pitch recommended: for lower pitches please inquire
- Standard panel lengths 2' to 65': for longer panels, please inquire
- Onsite roll forming available for longer panels
- Pan options: Flat pan, Accent ribs, Striations
- Retro-fit systems available



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

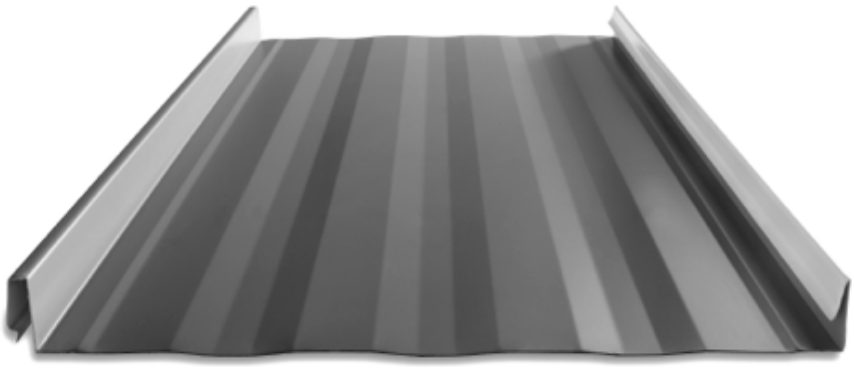
FLAT PAN

12″ to 18″ coverage options

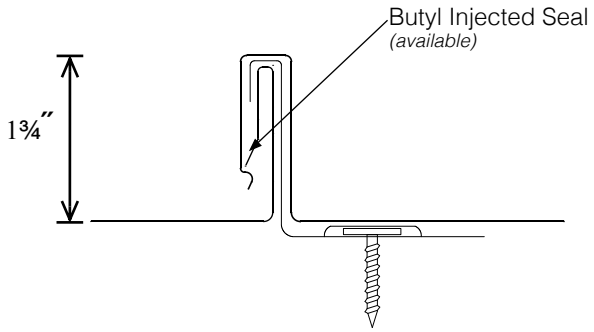


ACCENT RIBS

2 Accent ribs for 12″ to 14⅝″ panel
3 Accent ribs for 16″ to 18″ panel



STRIATED



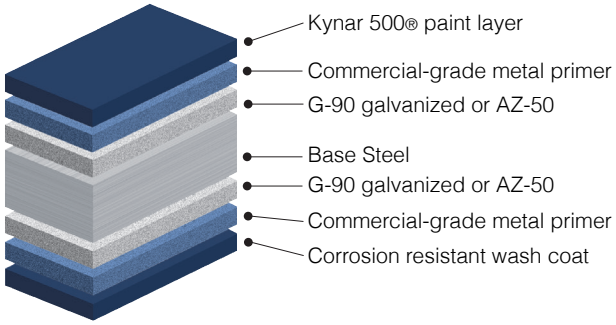
TAYLOR METAL PRODUCTS

Material Specifications

- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 and 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized (G-90)
- 22 gauge Rusteel™ (cold-rolled)
- 22 gauge Rusteel Plus™ (A606)
- 16 and 20 ounce Copper *please inquire*
- Kynar and substrate testing data available *(See website)*
- "Oil Canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection

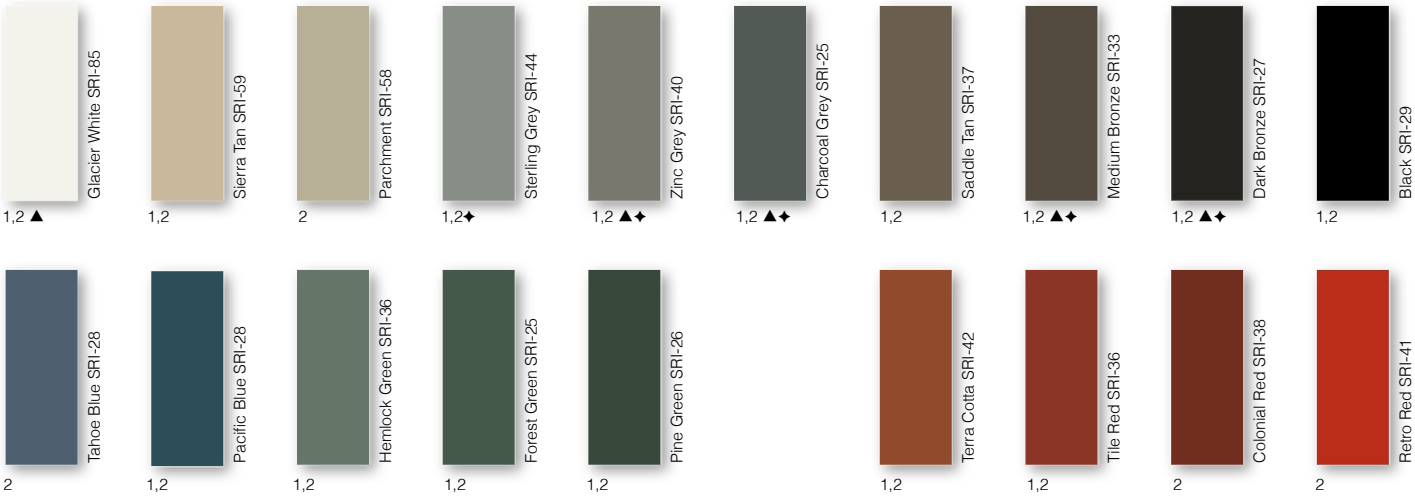
Key Features

- 19 Standard Colors, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)*

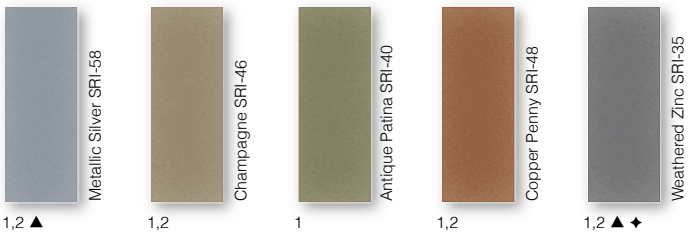


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

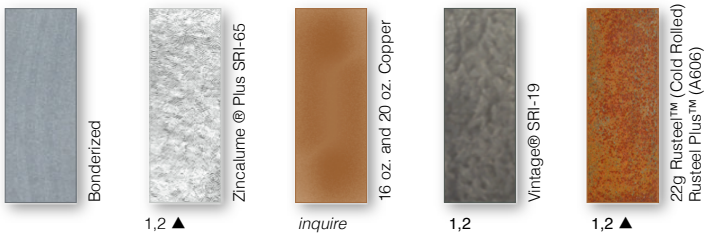
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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

"Oil canning" is an inherent characteristic of Roof & Wall product, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

Standard Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
14⅝˝	24	1	1.36	1.65
18˝	24	2	1.28	1.93
18˝	22	▲	1.61	2.42
14⅝˝	.032 Alum	✦	.60	.90

steelscape

8-16

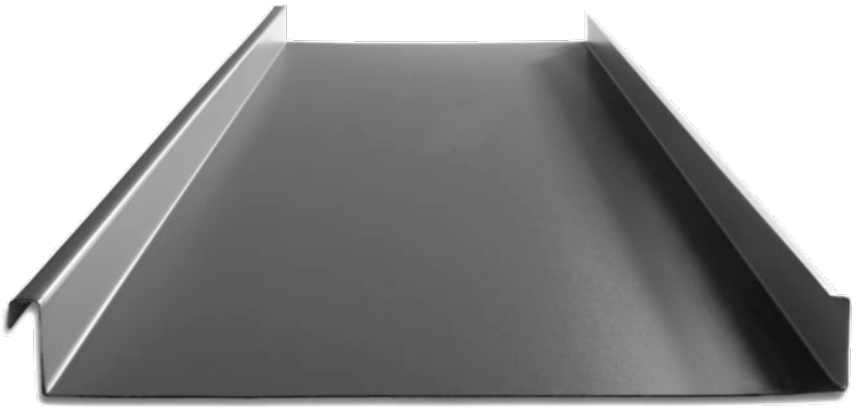
TAYLOR METAL PRODUCTS

MS-100™
MECHANICALLY SEAMED

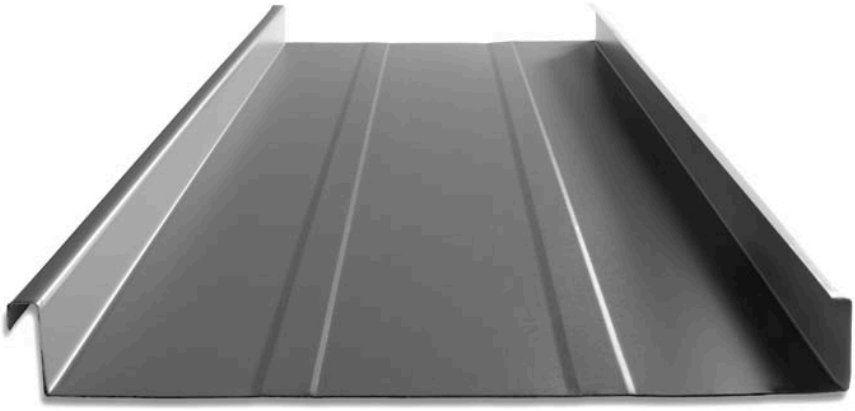
The MS-100™ is a mechanically seamed roof that is perfect for high wind areas and snow country. The butyl injected seam prevents water from entering the system, giving you a worry free roof for a lifetime.

Key Features

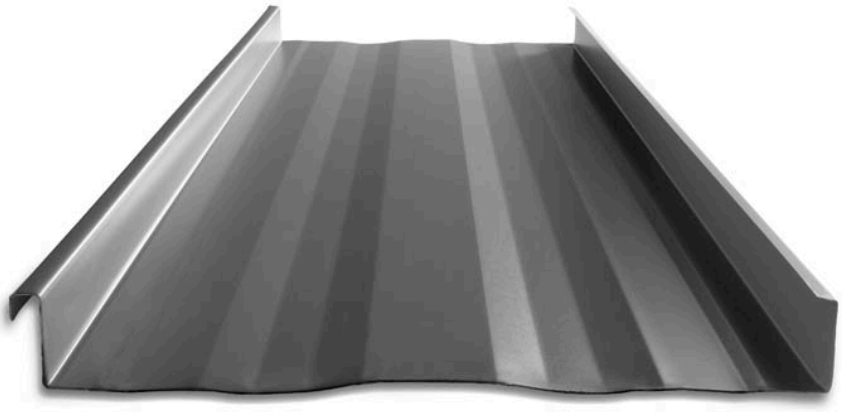
- 12″ to 21″ coverage options
- 26, 24 & 22 gauge Tru-Gauge™, .032 Aluminum and 24 gauge Bonderized (G-90)
- 16 & 20 oz. Copper
- Floating clip system: allows for expansion/contraction of panels in longer lengths
- 1″ vertical rib
- Factory injected Butyl sealant
- Concealed fasteners: fasteners cannot leak
- UL - Code compliance UL Evaluation Report UL ER 25913-01
- UL580 Class 90: Dade impact: Dade 90 Dade 140 MPH: UL Class 4 hail
- ASTM E-2140: ASTM-1646: ASTM 1680: ASTM 283: ASTM 330: ASTM 331: ASTM E-1592
- UL Class A fire rated
- UL Construction No. 554
- 1:12 minimum pitch recommended: For lower panels, please inquire
- Standard panel lengths 2' to 65': For longer panels, please inquire
- Onsite roll forming available
- Pan options: Flat pan, Accent ribs, Striations
- Retro-fit systems available



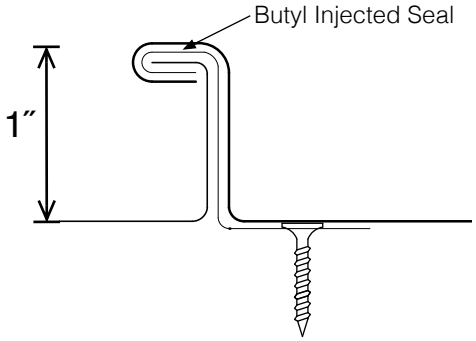
FLAT PAN
12″ to 21″ coverage options



ACCENT RIBS
2 Accent ribs for 12″ to 14⅝ panel
3 Accent ribs for 16″ & 21″ panel



STRIATED



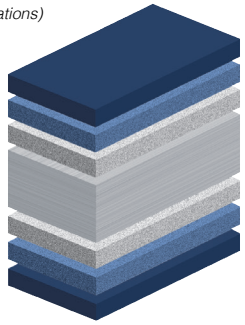
TAYLOR METAL PRODUCTS

Material Specifications

- 26 gauge Kynar 500® Painted Steel .019˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 26, 24 & 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized (G-90)
- 16 and 20 ounce Copper *please inquire*
- Kynar and substrate testing data available *(See website)*

Key Features

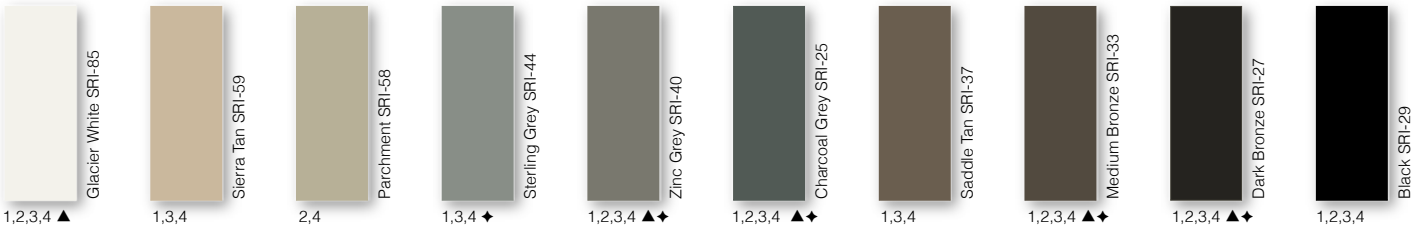
- 20 Standard Colors, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity and color retention
- "Cool" color pigments are specially designed to reflect infrared light, reducing heat gain to dwelling, and conform with ENERGY STAR® criteria
- Superior 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)*



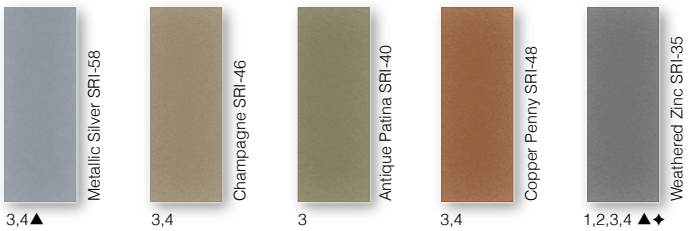
ENERGY STAR · CRRC MEMBER · PPG · steelscape

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

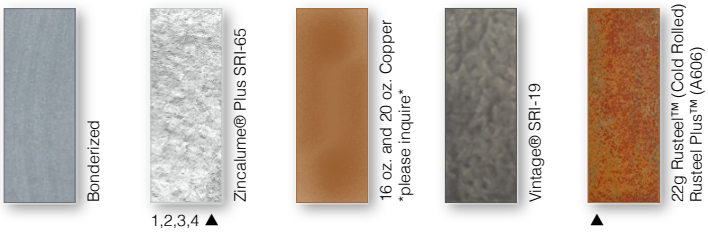
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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
"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

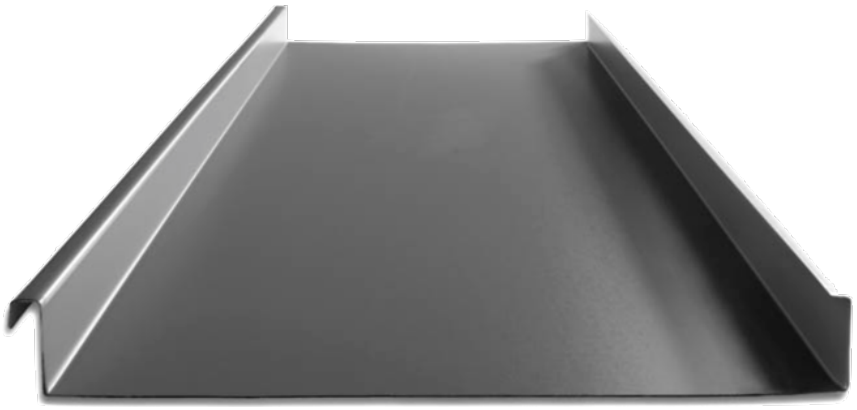
Standard MS100 Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
14˝	26	1	.98	1.14
14˝	24	2	1.15	1.34
17⅞˝	24	3	1.11	1.65
21¼˝	24	4	1.09	1.93
13¼˝	22	▲	1.46	1.61
21¼˝	22	▲	1.37	2.42
17⅞˝	.032	✦	.52	.81

TAYLOR METAL PRODUCTS

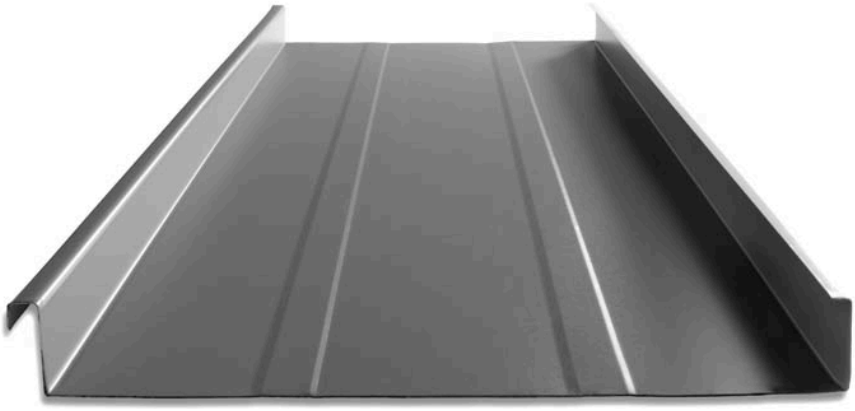
MS-150™
MECHANICALLY SEAMED

The MS-150™ is a mechanically seamed roof that is perfect for high wind areas and snow country. The butyl injected seam prevents water from entering the system, giving you a worry free roof for a lifetime.

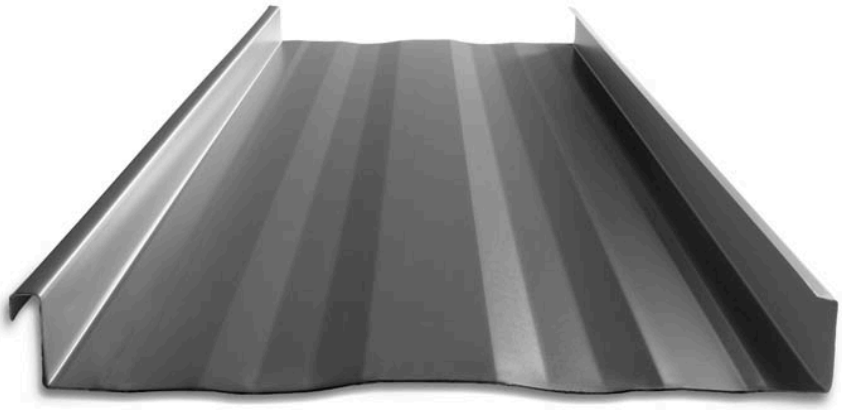
- 12″ to 21″ coverage options
- 26, 24 & 22 gauge Tru-Gauge™, .032 Aluminum and 24 gauge Bonderized (G-90)
- 16 & 20 oz. Copper *please inquire*
- Floating clip system: allows for expansion/contraction of panels in longer lengths
- 1½″ vertical rib
- Factory injected Butyl sealant
- Concealed fasteners: fasteners cannot leak
- UL - Code compliance UL Evaluation Report UL ER 25913-01
- UL580 Class 90: Dade impact: Dade 90 Dade 140 MPH: UL Class 4 hail
- ASTM E-2140: ASTM-1646: ASTM 1680: ASTM 283: ASTM 330: ASTM 331: ASTM E-1592
- UL Class A fire rated
- UL Construction No. 554
- Weather tightness warranties available- 5 to 30 Year Prorated or NDL *(Contact TMP representative for details)*
- 1:12 minimum pitch recommended: for lower pitches please inquire
- Standard panel lengths 2' to 65': for longer panels, please inquire
- Onsite roll forming available
- Pan options: Flat pan, Accent ribs, Striations
- Retro-fit systems available



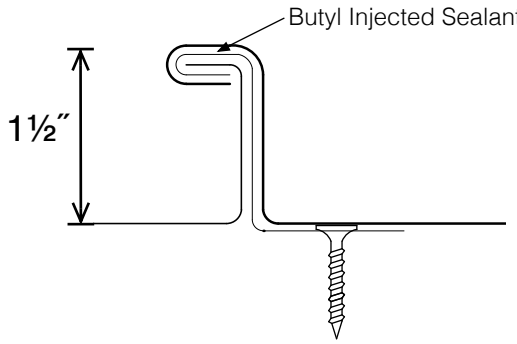
FLAT PAN
12″ to 21″ coverage options



ACCENT RIBS
2 Accent ribs for 12″ to 14⅝ panel
3 Accent ribs for 16″ & 21″ panel



STRIATED



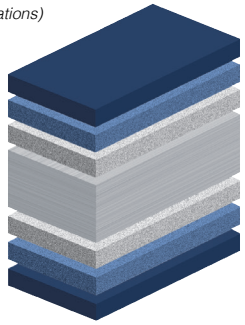
TAYLOR METAL PRODUCTS

Material Specifications

- 26 gauge Kynar 500® Painted Steel .019˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 26, 24 & 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized (G-90)
- 16 and 20 ounce Copper *please inquire*
- Kynar and substrate testing data available *(See website)*

Key Features

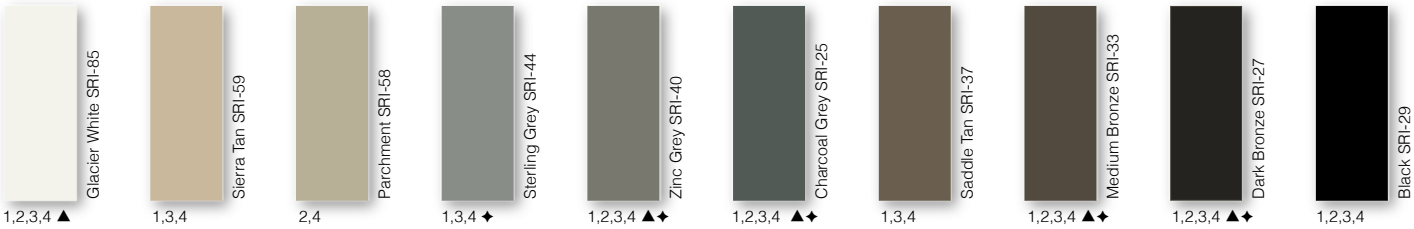
- 20 Standard Colors, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity and color retention
- "Cool" color pigments are specially designed to reflect infrared light, reducing heat gain to dwelling, and conform with ENERGY STAR® criteria
- Superior 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)*



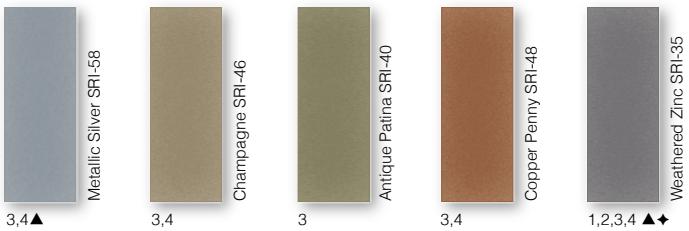
ENERGY STAR · CRRC MEMBER · PPG · steelscape

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

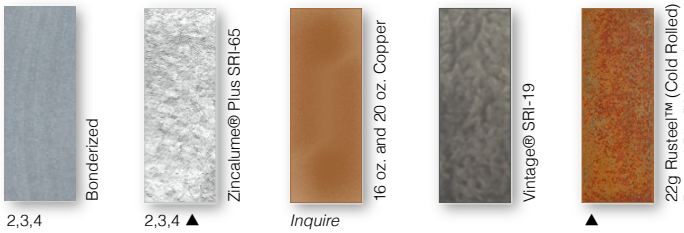
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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

"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

Standard MS150 Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
12¾˝	26	1	1.05	1.14
12¾˝	24	2	1.24	1.34
16⅝˝	24	3	1.18	1.65
20˝	24	4	1.14	1.93
12˝	22	▲	1.58	1.61
20˝	22	▲	1.43	2.42
16⅝˝	.032	✦	.55	.81

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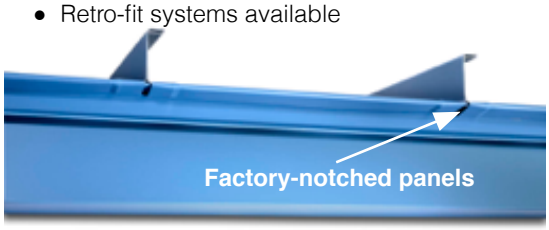
TAYLOR METAL PRODUCTS

MS-200™ & MS-200™ NL

MECHANICALLY SEAMED

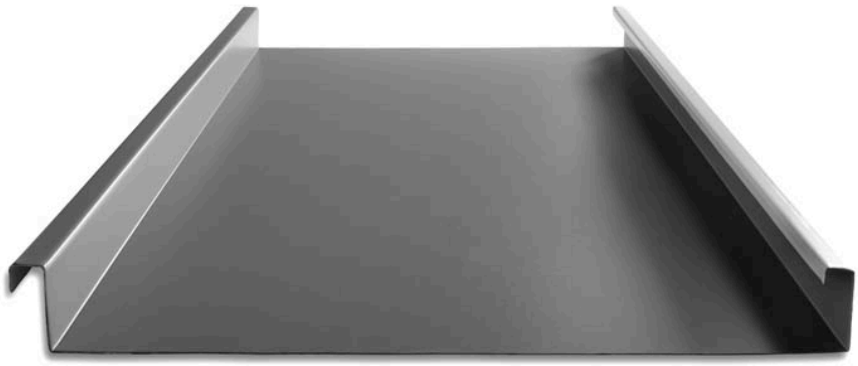
Key Features

- 12″ to 18″ options available
- 24, 22 Tru-Gauge™ and .032 Aluminum
- Floating clip system: allows for expansion/contraction of panels in longer lengths
- 2″ Mechanical seam rib, 90° or 180° Factory notching available
- Factory injected Butyl sealant
- Structural panel that will span up to 5'
- Concealed fasteners: fasteners cannot leak
- Manufactured in Sacramento, CA & Salem, OR
- UL - Code compliance UL Evaluation Report UL ER 25913-01
- UL580 Class 90 wind uplift, UL Class A fire rated
- UL Construction No. 90, 176, 180, 238, and 238A
- ASTM E-1592-Structural uniform static air pressure
  ASTM 1646- Water infiltration
  ASTM 2140- Water infiltration
  ASTM 1680- Air infiltration
- Weather tightness warranty available
  (Contact TMP representative for details)
- ½:12 minimum pitch recommended:
  For lower pitches please inquire
- Standard panel lengths 2' to 65':
  For longer pitches please inquire
- Onsite roll forming available for long lengths
- Pan options: Flat pan, Accent ribs, Striations
- Retro-fit systems available

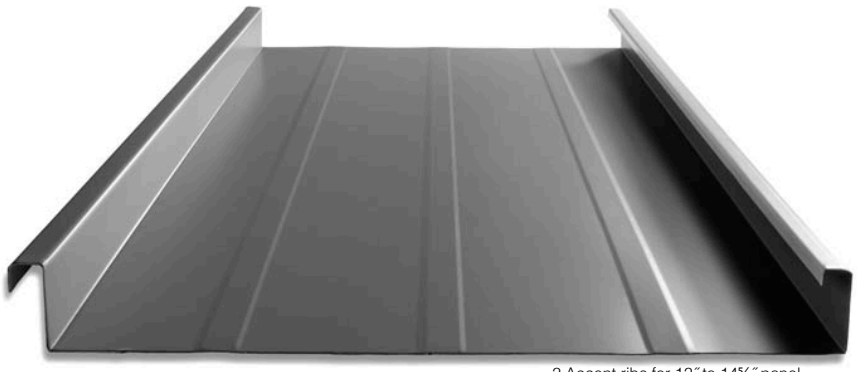


- Prevents crowning
- No visible screws required
- Sharp, professional appearance

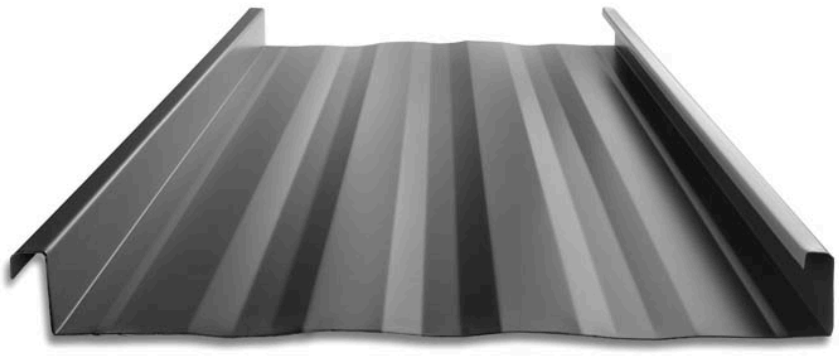
Panel Profiles



FLAT PAN
12″ to 18″ options available

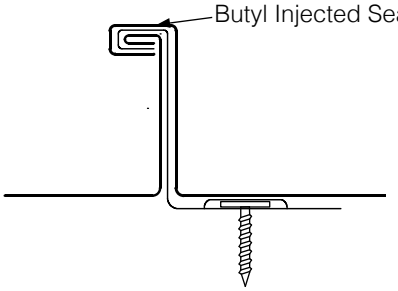


ACCENT RIBS
2 Accent ribs for 12″ to 14⅜″ panel
3 Accent ribs for 16″ to 18″ panel

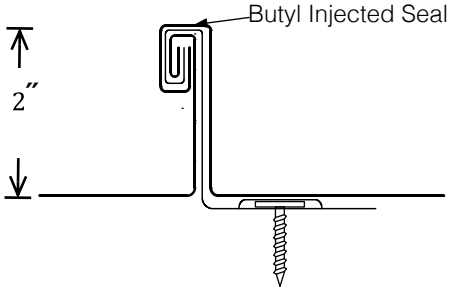


STRIATED

90° Seam Detail



180° Seam Detail



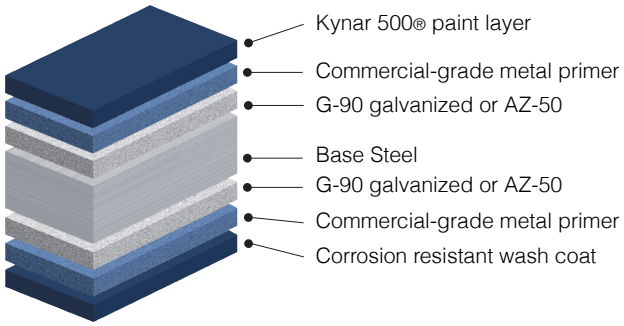
TAYLOR METAL PRODUCTS

Material Specifications

- 26 gauge Kynar 500® Painted Steel .019" (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 gauge Kynar 500® Painted Steel .0236" (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 gauge bare Zincalume® Plus with Clear Acrylic Coating - AZ-55
- ▲ 22 gauge Kynar 500® Painted Steel .029" (thickness prior to painting)
- ✦ .032 Kynar 500® Painted Aluminum
- 22 gauge Rusteel™ (cold-rolled)
- 22 gauge Rusteel Plus™ (A606)
- 24 gauge Bonderized (G-90)
- 16 and 20 ounce Copper *please Inquire*
- Kynar and substrate testing data available (see website)
- "Oil Canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection

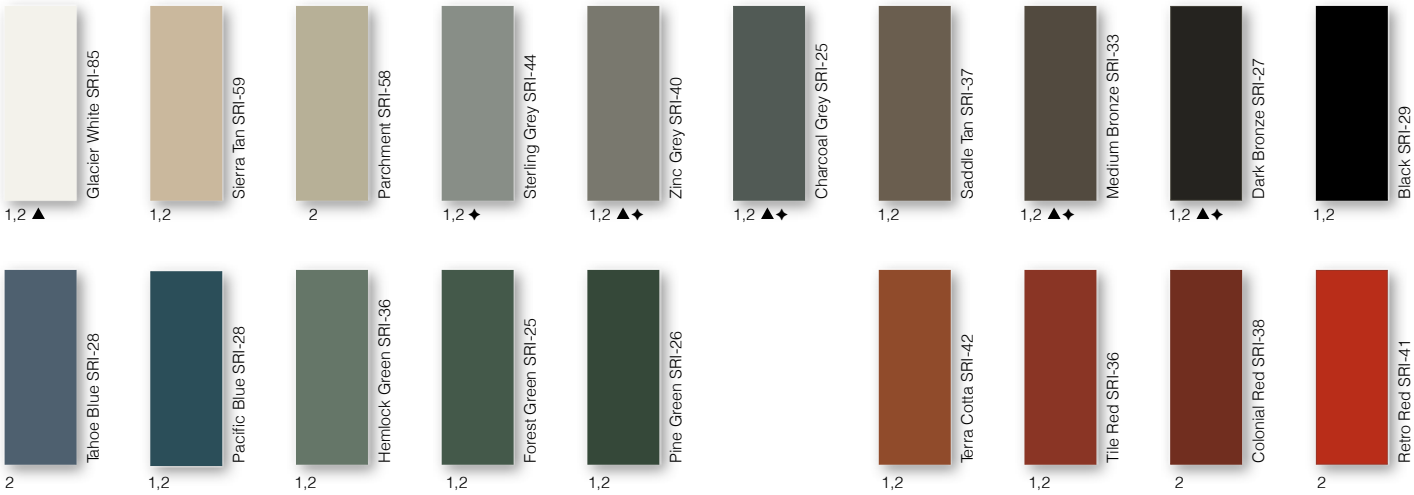
Key Features

- 19 Standard Colors, 5 Metallic Colors and 4 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)

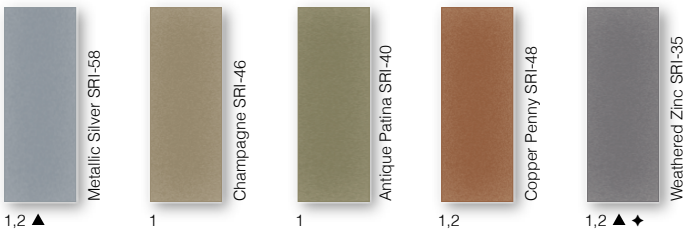


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

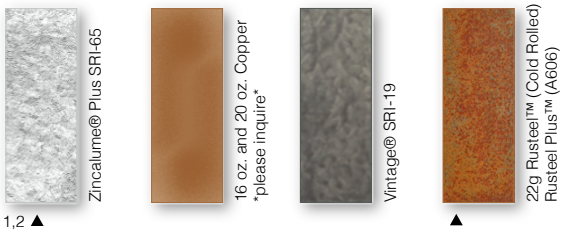
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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.

"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

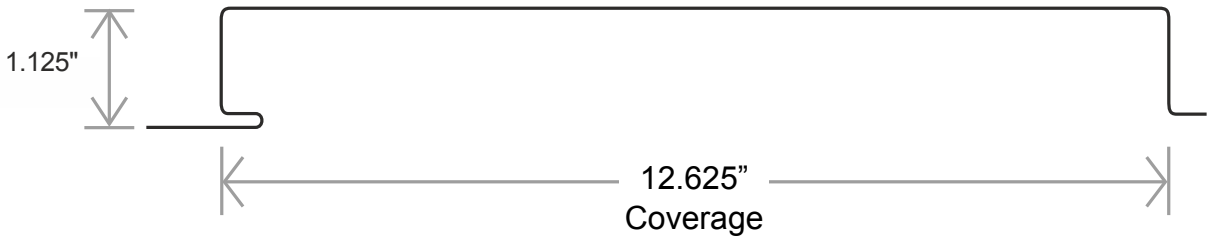
Standard Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
14⅝″	24	1	1.36	1.65
18″	24	2	1.28	1.93
18″	22	▲	1.61	2.42
15⅜″	.032 Alum	✦	.60	.90

8-16

3 – Architectural Wall & Soffit Panels

Architectural Wall & Soffit Panels:

Smoothwall™ & Lifetime™ Soffit



TAYLOR METAL PRODUCTS

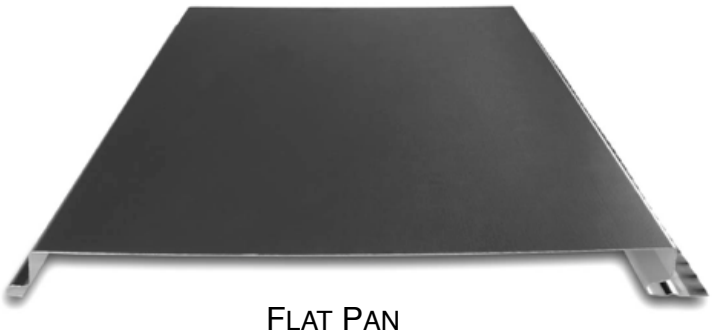
SmoothWall™

Wall & Soffit

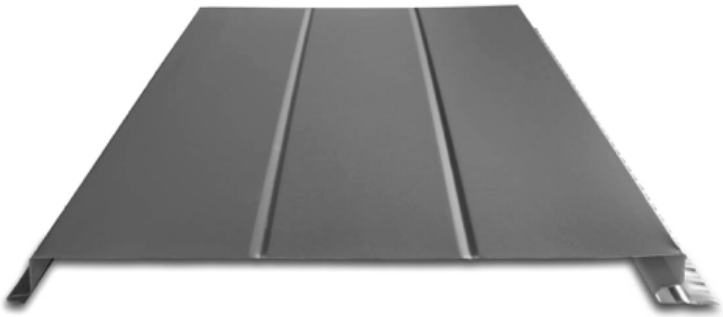
SmoothWall™ will give your commercial or residential project a clean monolithic appearance. These panels are a perfect fit to be used on walls, soffits and fascia. With the 4 different panel styles available, your designs will come alive.

Key Features

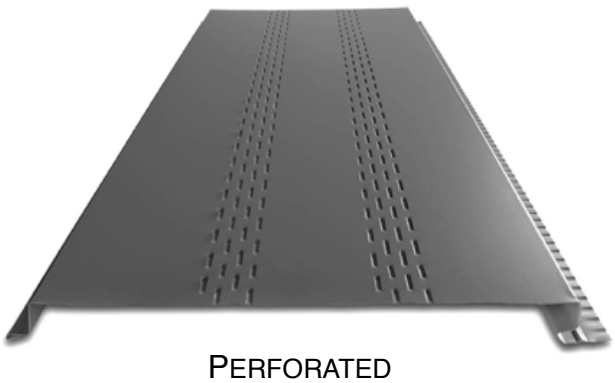
- 12˝ and 12⅝˝ coverage options
- 26, 24 & 22 gauge Tru-Gauge™, .032 Aluminum and 24 gauge Bonderized (G-90)
- 16 & 20 oz. Copper *please inqurie*
- Custom lengths 2' to 35' (*inquire on longer lengths)*
- Concealed fasteners: fasteners cannot leak
- 17 sq inch free air flow per lineal foot of perforated panel
- Pre-slotted fastener flange: allows expansion/contraction of panel
- ASTM E283, ASTM E330, ASTM E331
- UL Class A fire rated
- Versatile in wall and soffit applications
- Pan options: Flat pan, Single Bead, Double Bead and Perforated
- "Oil canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection



FLAT PAN



DOUBLE BEAD or SINGLE BEAD available



PERFORATED

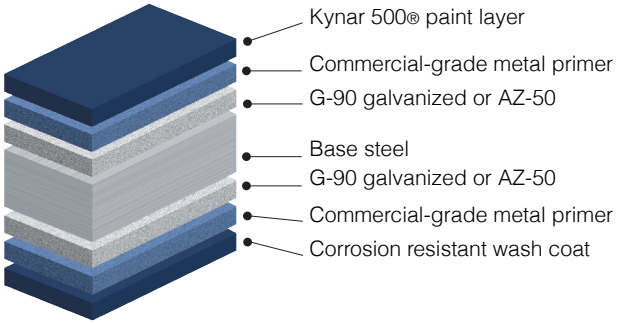
TAYLOR METAL PRODUCTS

Material Specifications

- 26 gauge Kynar 500® Painted Steel
  .019" (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 22 & 24 gauge Kynar 500® Painted Steel
  .0236˝(thickness prior to painting)
  G-90 Galvanized or AZ-50
- 22 & 24 gauge bare Zincalume® Plus with Clear Acrylic Coating
- ▲22 gauge Kynar 500® Painted Steel
  .029˝(thickness prior to painting)
  G-90 Galvanized or AZ-50
- .032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized (G-90)
- 16 and 20 oz. Copper
- 22 gauge Rusteel™ (cold-rolled)
- 22 gauge Rusteel Plus™ (A-606)
- Kynar® and substrate testing data available
  (See website)

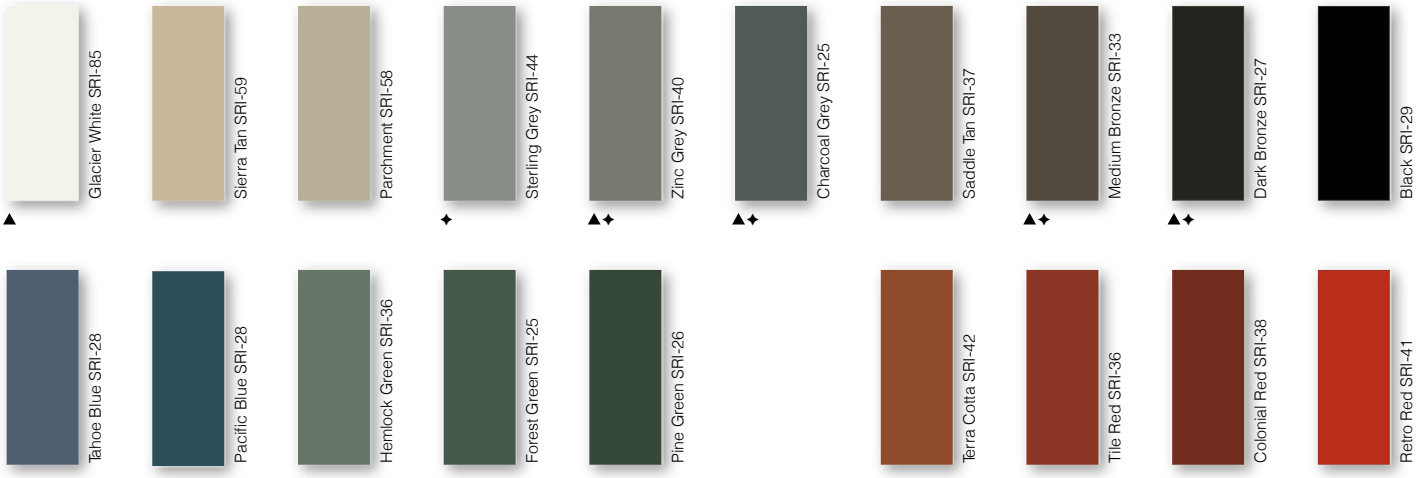
Key Features

- 19 Standard Color, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)



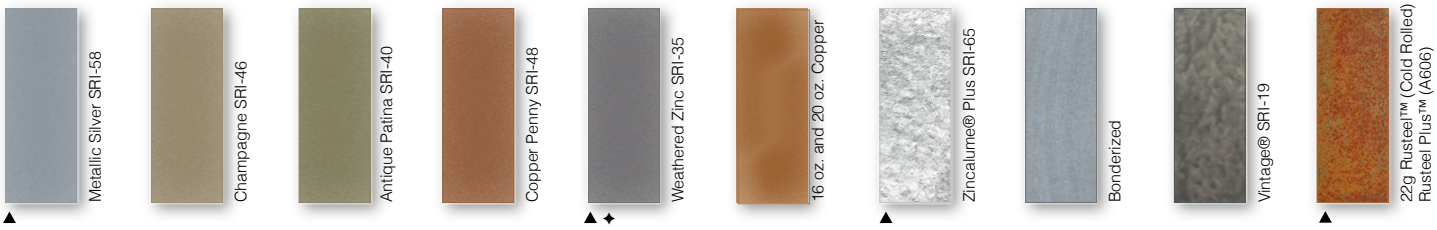
40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

STANDARD 24g COOL KYNAR 500® COLORS



PREMIUM METALLIC COOL KYNAR 500® 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.
"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and it not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

Standard Panels Weights			
Gauge	Color	LBS SQFT	LBS LF
26	Kynar	1.09	1.09
24	Kynar	1.28	1.28
22	▲	1.61	1.61
.032 Alum	✦	.60	.60

steelscape

8-16

TAYLOR METAL PRODUCTS

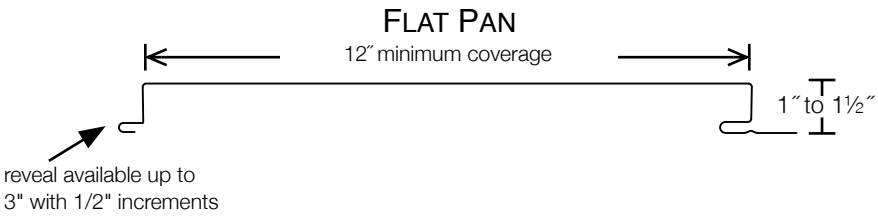
ShadowLine™

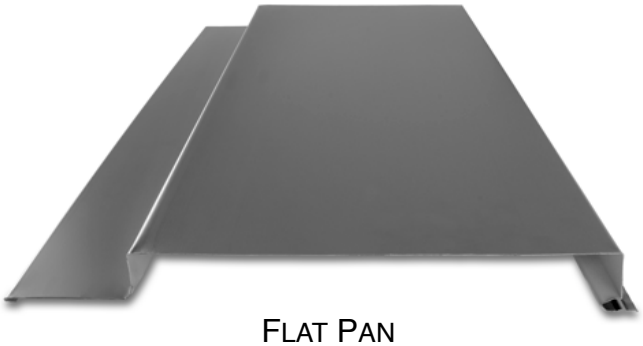
Wall & Soffit

ShadowLine™ will give your commercial or residential project a clean monolithic appearance. These panels are a perfect fit to be used on walls, soffits and fascia. With the 3 different panel styles available, your designs will come alive.

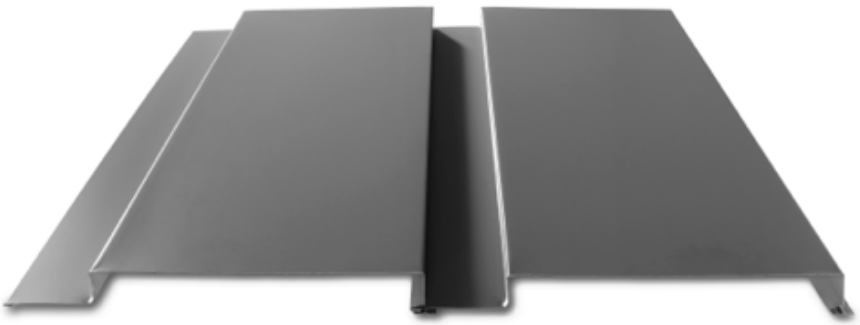
Key Features

- 12˝ to 15" coverage options
- 24 & 22 gauge Tru-Gauge™, .032 Aluminum and 24 gauge Bonderized (G-90)
- 16 & 20 oz. Copper
- Custom lengths 2' to 35' (*inquire on longer lengths)*
- Concealed fasteners: fasteners cannot leak
- ASTM E283, ASTM E330, ASTM E331
- UL Class A fire rated
- Versatile in wall and soffit applications
- Pan options: Flat pan, Single Bead, Double Bead
- "Oil canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection





FLAT PAN



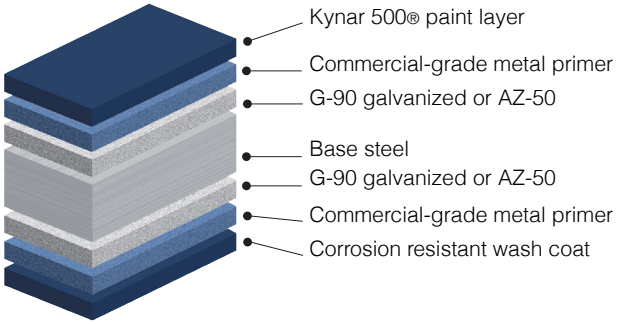
TAYLOR METAL PRODUCTS

Material Specifications

- 22 & 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 22 & 24 gauge bare Zincalume® Plus with Clear Acrylic Coating
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- .032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized (G-90)
- 16 and 20 oz. Copper *please inquire*
- 22 gauge Rusteel™ (cold-rolled)
- 22 gauge Rusteel Plus™ (A-606)
- Kynar® and substrate testing data available *(See website)*

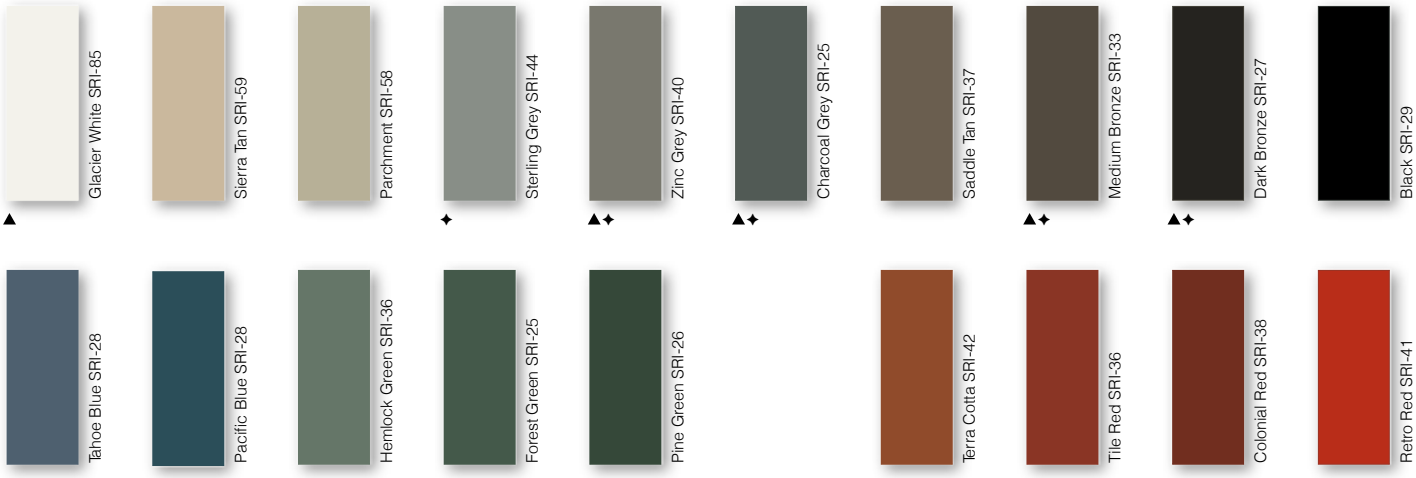
Key Features

- 19 Standard Color, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)*

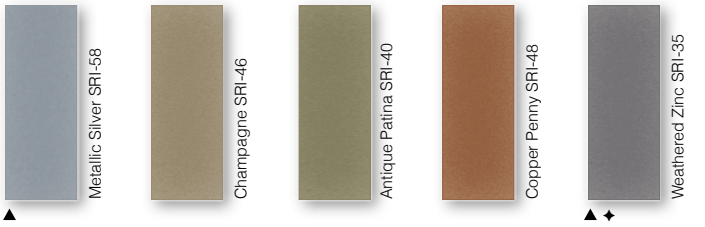


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

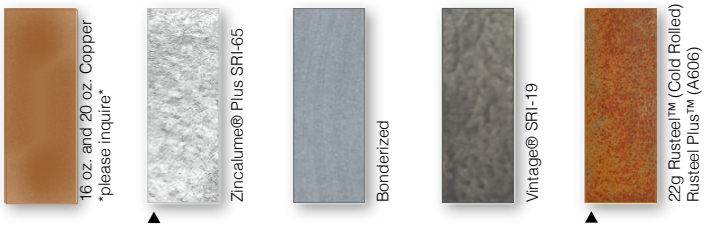
STANDARD 24g COOL KYNAR 500® COLORS



PREMIUM METALLIC COOL KYNAR 500® 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
*****Oil canning is not a cause for material rejection*****

Standard Panels Weights			
Gauge	Color	LBS SQFT	LBS LF
26	Kynar	1.09	1.09
24	Kynar	1.28	1.28
22	▲	1.61	1.61
.032 Alum	✦	.60	.60

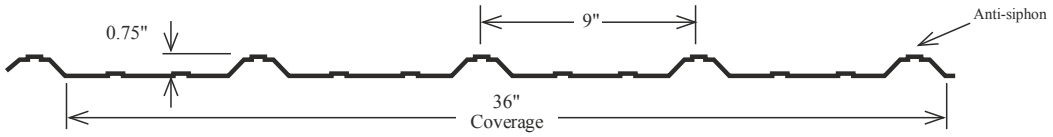
steelscape

8-16

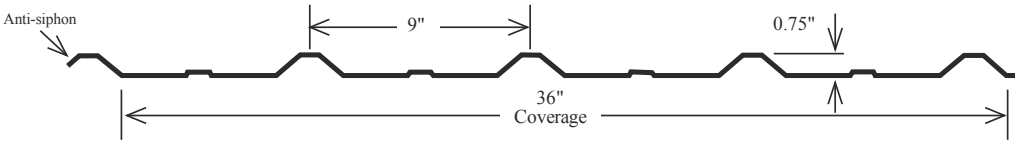
4 – Exposed Fastener Panels

Exposed Fastener Panels:

Tuff Rib

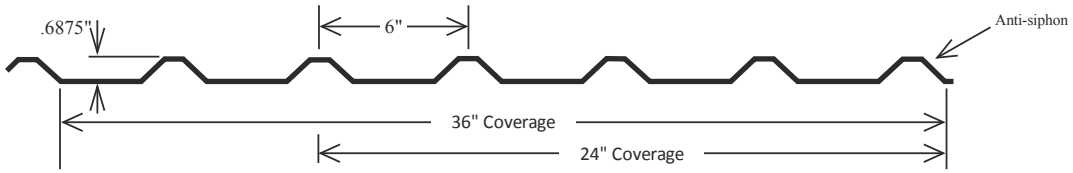


T-3

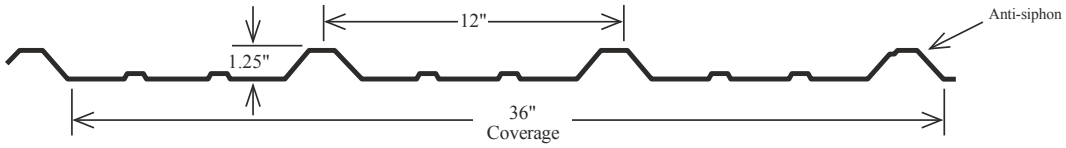


GR7-36”

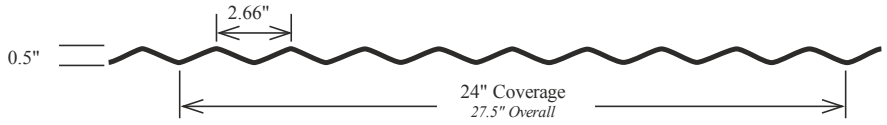
GR5-24”



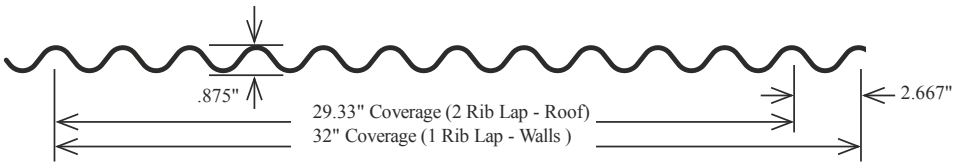
PBR



2-1/2” Corrugated

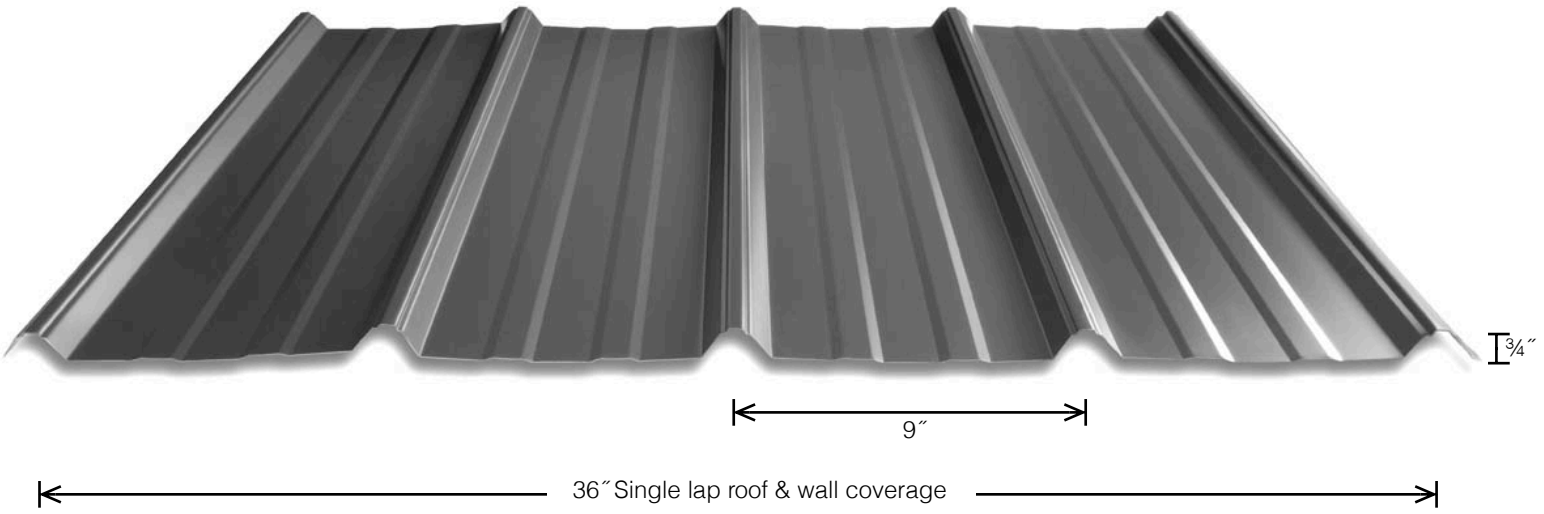


Classic 7/8” Corrugated

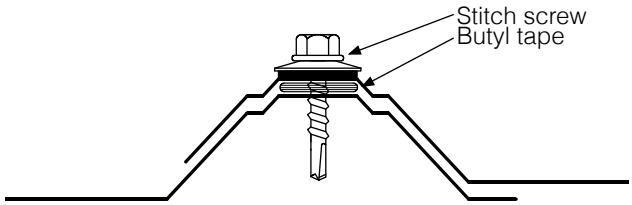


TAYLOR METAL PRODUCTS

Tuff Rib
ROOF AND WALL



Lap Detail



Key Features

- 29 & 26 gauge Tru-Gauge™
- ASTM 653 & 792
- Recommended minimum pitch 3:12
- Custom lengths 1' to 35'-No short length cut charge
  For longer lengths please inquire
- Long length flashings available up to 21'
- Fiberglass and Polycarbonate skylight panels available to match profile
- Panel is available in a wide variety of “Cool” baked on ARMORTECH™ Colors. See color chart or inquire for availability
- Easy-to-order standard and custom made trim and accessory packages available
- Color matched neoprene washered screws

Allowable Live Load in PSF			Span in feet (steel only)				
SPAN TYPE	GAUGE	KSI	2'	2' 6"	3'	3' 6"	4'
SINGLE SPAN	26	80	112	72	50	36	28
DOUBLE SPAN	26	80	95	61	42	32	24
THREE OR MORE SPAN	26	80	119	76	53	39	29
SINGLE SPAN	29	80	86	55	39	28	22
DOUBLE SPAN	29	80	72	46	32	24	18
THREE OR MORE SPAN	29	80	90	52	40	29	23

TAYLOR METAL PRODUCTS

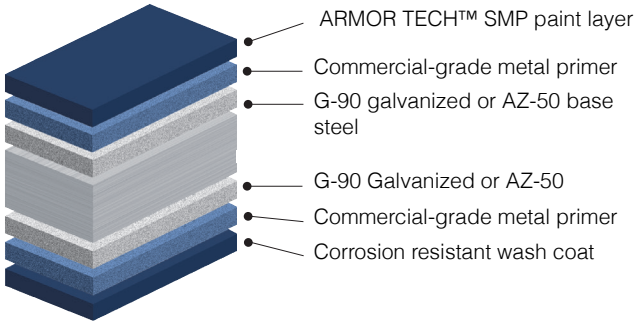
Material Specifications

- 29 gauge ArmorTech™ Painted Steel .015˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 26 gauge ArmorTech™ Painted Steel .019˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 29 & 26 gauge bare Zincalume® Plus with Clear Acrylic Coating AZ-55
- 29 & 26 gauge bare G-90 Galvanized

Standard Panel Weights		
Gauge	LBS SQFT	LBS LF
29	.67	2.02
26	.9	2.70

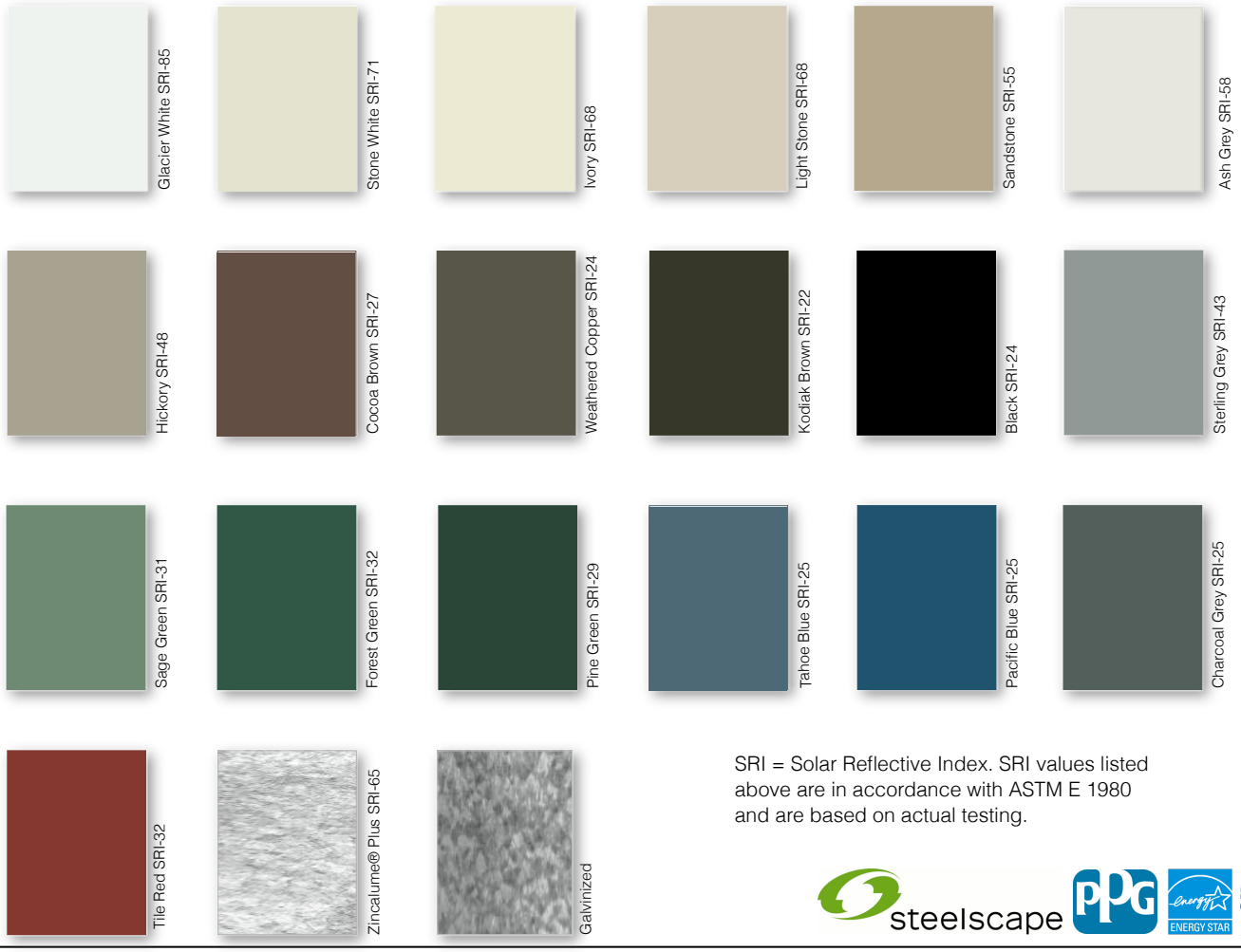
Key Features

- 19 Standard Colors, Zincalume® Plus and Galvanized
- ARMOR TECH™ Paint System-the ultimate in exterior durabiity
- "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 SMP resin system at 1 mil. thickness
- 40-year residential paint warranty
  - fading
  - chalking
  - chipping
  - cracking
  - peeling



Standard Cool ARMOR TECH™ SMP Colors

40-Year Residential Manufacturer's Limited Warranty

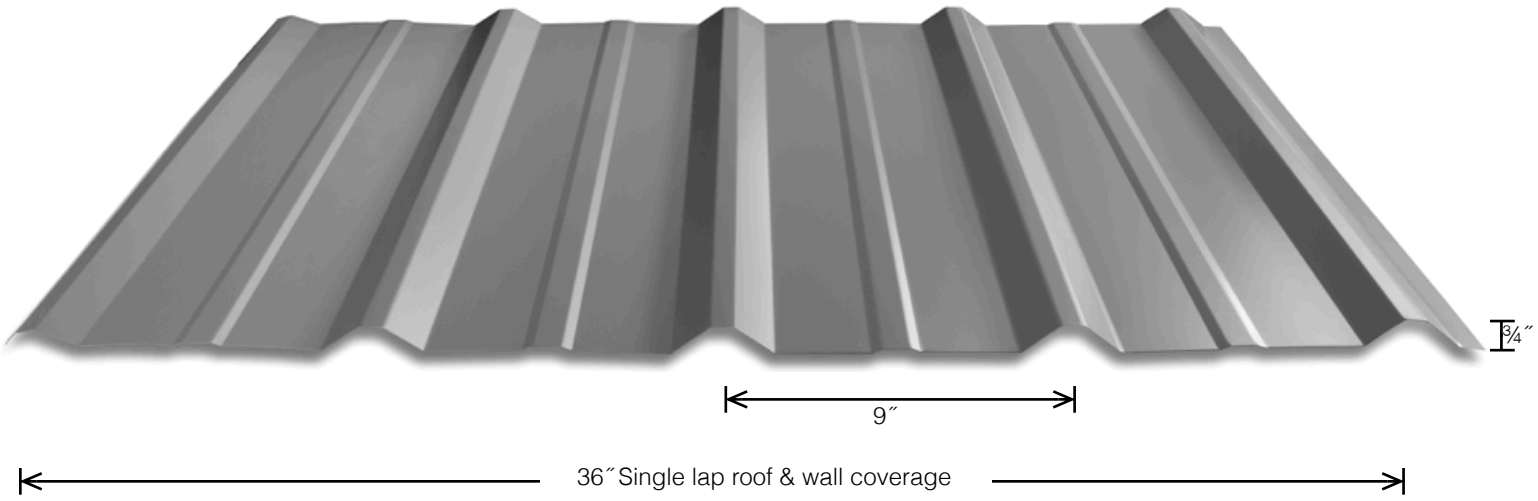


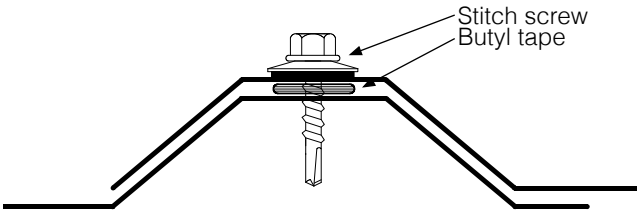
SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

steelscape

TAYLOR METAL PRODUCTS

T-3™ ROOF AND WALL





Key Features

- 29, 26 & 24 gauge Tru-Gauge™ and .032 Aluminum
- ASTM 653 and 792
- Recommended minimum pitch 3:12
- Custom lengths 1' to 35'-No short length cut charge
  For longer lengths please inquire
- Fiberglass and Polycarbonate skylight panels available to match profile
- Panel is available in a wide variety of “Cool” baked on ARMORTECH™ or “Cool” baked on Kynar® colors. Rusteel™ (cold rolled) or Rusteel Plus™ (A606) Bonderized and .032 Aluminum
- Easy-to-order standard and custom made trim and accessory packages available for specific project needs
- Color matched neoprene washered screws
- Long length flashings available up to 21'

Allowable Live Load in PSF			Span in feet (steel only)					
SPAN TYPE	GAUGE	KSI	2'	2' 6"	3'	3' 6″	4'	5'
DOUBLE SPAN	29	80	105	66	45	33	25	16
THREE OR MORE SPANS	29	80	133	87	62	42	35	20
DOUBLE SPAN	26	80	150	96	66	50	38	24
THREE OR MORE SPANS	26	80	188	119	83	62	47	29

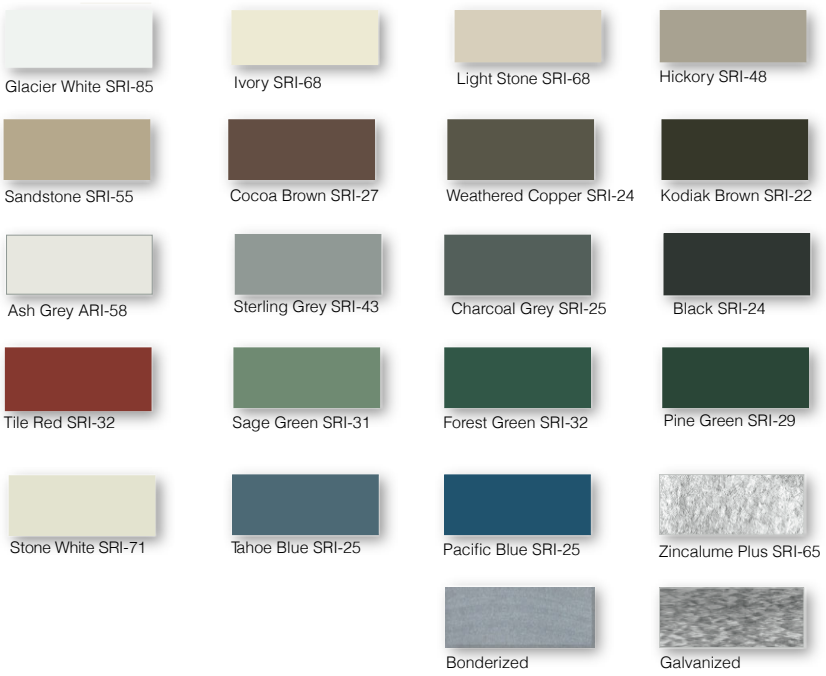
TAYLOR METAL PRODUCTS

Material Specifications

- 29 gauge ArmorTech™ Painted Steel
  .015˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 26 gauge ArmorTech™ Painted Steel
  .019˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 29, 26, 24, & 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- 29 & 26 gauge bare Galvanized (G-90)
- 24 gauge Kynar 500® Painted Steel
  .0236˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 22 gauge Kynar 500® Painted Steel
  .029˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- .032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized G-90
- Kynar® and substrate testing data available
  (*See website*)

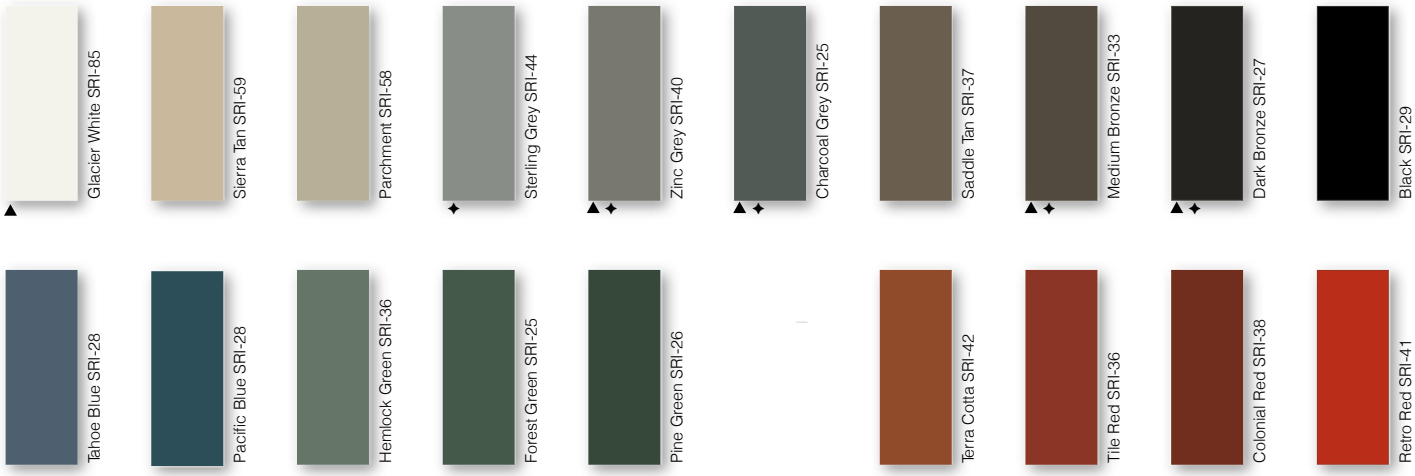
STANDARD Cool ARMOR TECH™ SMP Colors

40-Year Residential Manufacturer's Limited Warranty

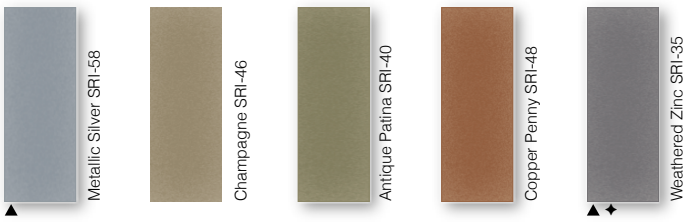


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

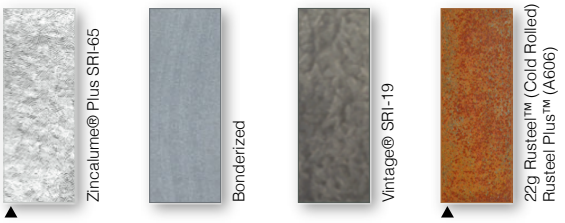
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar® 500® Colors



Specialized Material



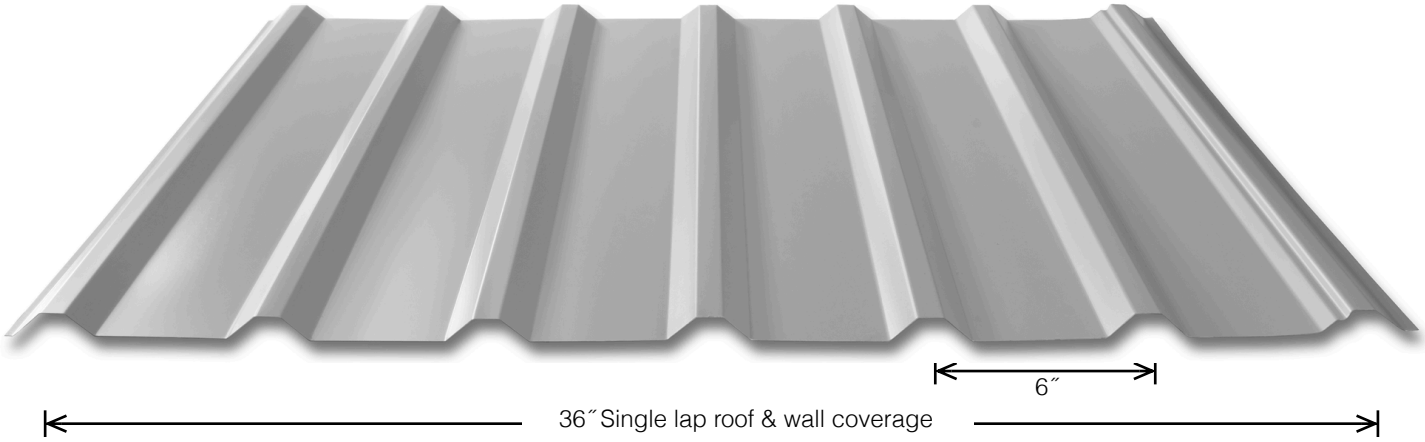
These printed chips provide a close representation of the colors.
Metal samples are available upon request.
Coatings are low gloss 10-15% sheen
*****Oil canning is not a cause for material rejection*****

steelscape

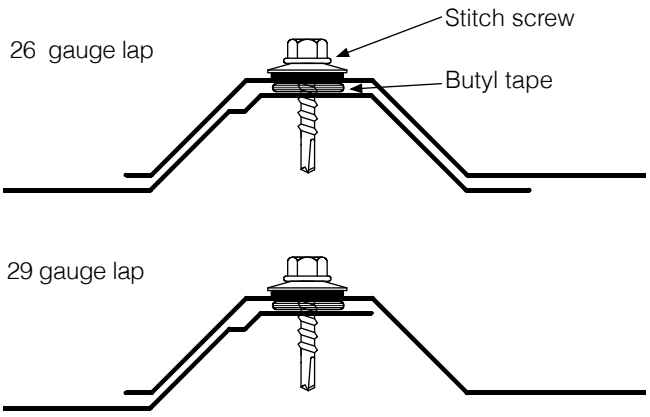
Standard Panels			
Gauge	Color	LBS SQFT	LBS LF
26	ArmorTech	.88	2.7
24	Kynar	1.2	3.45
22	▲	1.51	4.33
.032 Alum	✦	.56	1.62
29	ArmorTech	.64	2.02

TAYLOR METAL PRODUCTS

GR-7™ ROOF AND WALL



GR-7™ manufactured in 29 gauge does not include a purlin bearing leg on the underlap rib.



Key Features

- 29 & 26 gauge Tru-Gauge™ .032 Aluminum and 24 gauge Bonderized G-90
- ASTM 653 and 792
- Recommended minimum pitch 3:12
- Custom lengths 1' to 35'-No short length cut charge *For longer lengths please inquire*
- Long length flashings available up to 21'
- Fiberglass skylight panels available to match profile
- Panel is available in a wide variety of “Cool” baked on ARMORTECH™ or .032 Aluminum “Cool” baked on Kynar® colors
- Easy-to-order standard and custom made trim and accessory packages
- Color matched neoprene washered screws

Allowable Live Load in PSF				Span in feet (steel only)							
SPAN TYPE	GAUGE	KSI	2'	2' 6"	3'	3' 6"	4'	4' 6"	5'	5' 6"	6'
SINGLE SPAN	26	80	*	*	107	78	60	47	38	31	26
SINGLE SPAN	29	80	*	98	79	58	44	35	28	23	19

Material Specifications

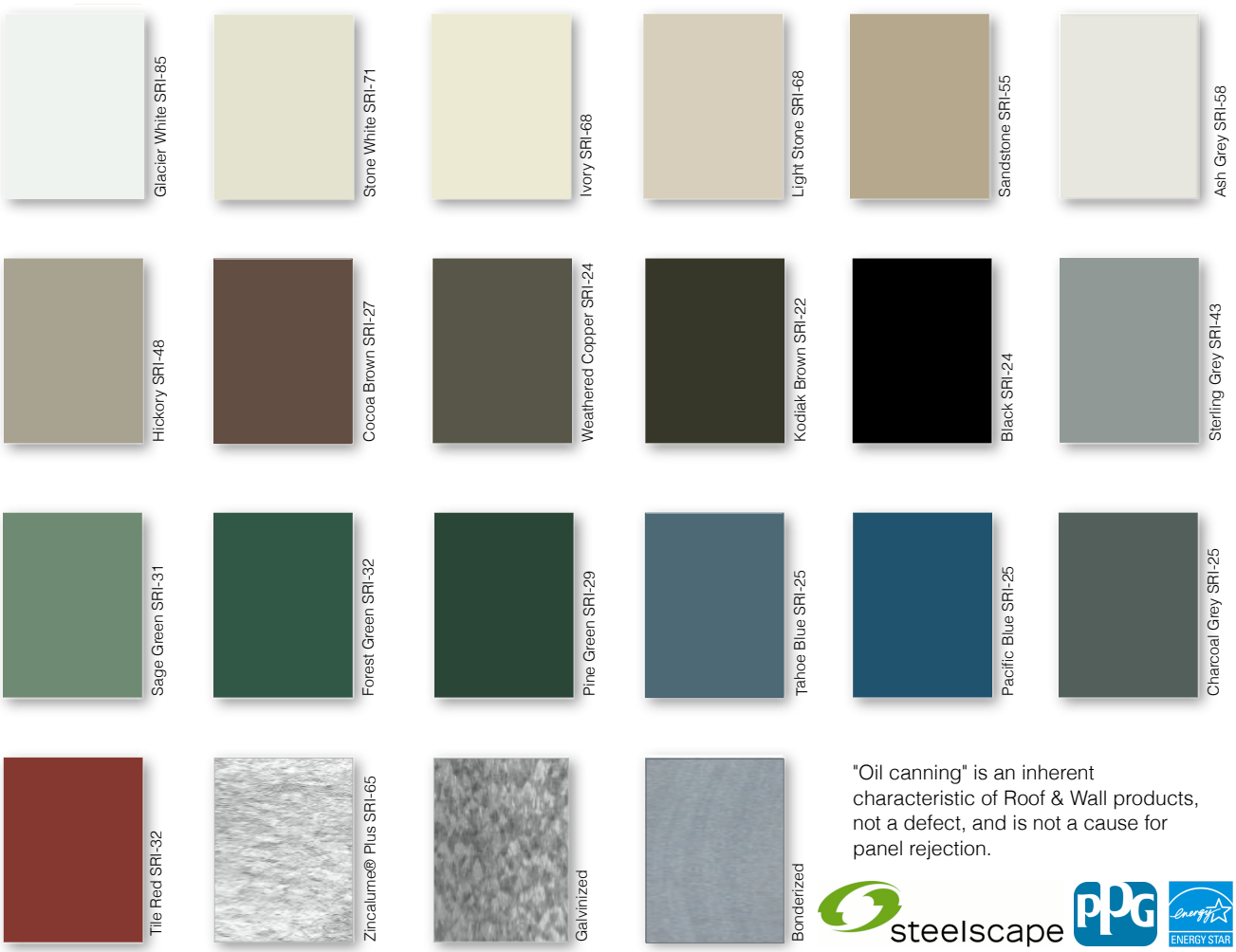
- 29 gauge ArmorTech™ Painted Steel .015˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 26 gauge ArmorTech™ Painted Steel .019˝ (thickness prior to painting)
- 29, 26 and 24 gauge bare Zincalume® Plus with Clear Acrylic Coating AZ-55
- 29 and 26 gauge bare G-90 Galvanized
- 24 gauge Bonderized (G-90)
- .032 Kynar® 500 Painted Aluminum

Standard Panels			
Gauge	**Color**	**LBS SQFT**	**LBS LF**
29	ArmorTech	.67	2.02
26	ArmorTech	1.02	2.92
24	Unpainted	1.2	3.45
.032 Alum	✦	.56	1.62

STANDARD .032 Cool Kynar 500® Colors

Standard Cool ARMOR TECH™ SMP Colors

40-Year Residential Manufacturer's Limited Warranty

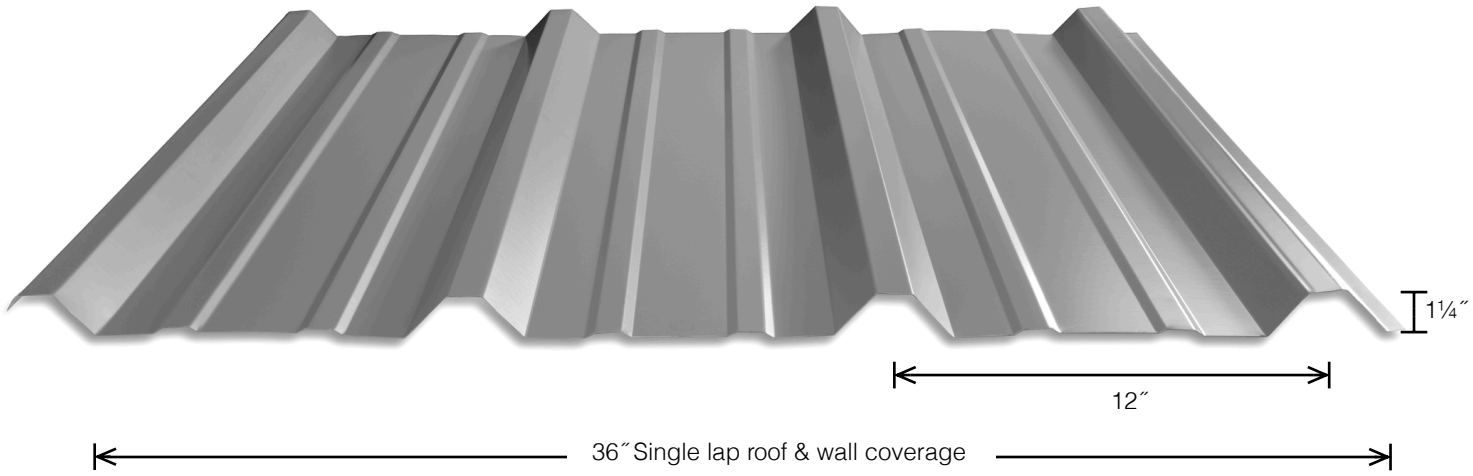


"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection.

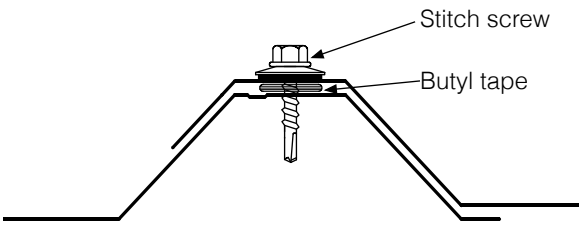
steelscape

TAYLOR METAL PRODUCTS

PBR
ROOF AND WALL



Lap Detail



Key Features

- 29, 26, 24, & 22 gauge Tru-Gauge™ and .032 Aluminum
- ASTM 653 and 792, UL 90 rated when attached to steel purlin
- Custom lengths 1' to 35'-No short length cut charge *For longer lengths please inquire*
- Recommended minimum pitch 1:12 when installed with Butyl mastic
- Long length flashing available to 21'
- Fiberglass and Polycarbonate skylight panels available to match profile
- Panel is available in a wide variety of “Cool” baked on ARMORTECH™ or “Cool” baked on Kynar® colors. Rusteel™ (cold rolled) or Rusteel Plus™ (A606) Bonderized and .032 Kynar® Painted Aluminum
- Easy-to-order standard and custom made trim and accessory packages available for specific project needs
- Color matched neoprene washered screws

Allowable Live Load in PSF			Span in feet (steel only)					
SPAN TYPE	GAUGE	KSI	3'	4'	5'	6'	7'	8'
SINGLE SPAN	22	50	165	93	54	35	24	18
DOUBLE SPAN	22	50	166	94	60	42	31	24
THREE OR MORE SPANS	22	50	205	116	75	52	38	27
SINGLE SPAN	24	50	119	67	40	26	18	10
DOUBLE SPAN	24	50	121	70	45	31	23	18
THREE OR MORE SPANS	24	50	157	90	58	40	29	20
SINGLE SPAN	26	80	111	60	35	23	16	11
DOUBLE SPAN	26	80	143	80	47	30	21	16
THREE OR MORE SPANS	26	80	155	89	57	35	24	20

TAYLOR METAL PRODUCTS

Material Specifications

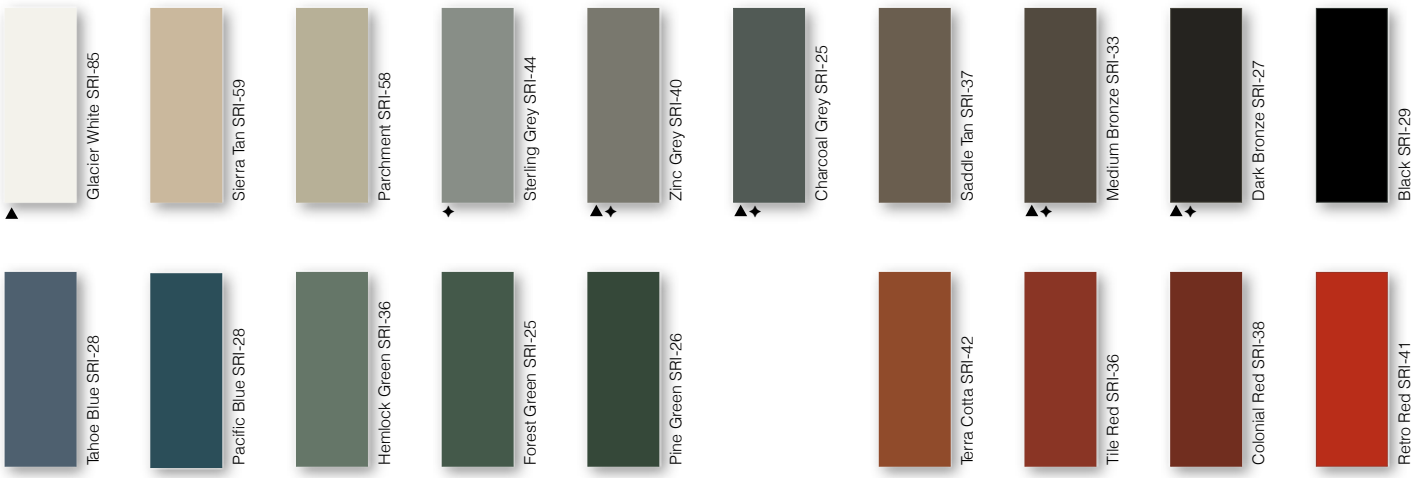
- 29 gauge ArmorTech™ Painted Steel
  .015˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50 - Glacier White only
- 26 gauge ArmorTech™ Painted Steel
  .019˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 26 and 24 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- 26 gauge G-90 Galvanized
- 24 gauge Kynar 500® Painted Steel
  .0236˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- ▲ 22 gauge Kynar 500®
  .029˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- ✦ .032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized (G-90)
- Kynar® and substrate testing data available
  (See website)

STANDARD Cool ARMOR TECH™ SMP Colors

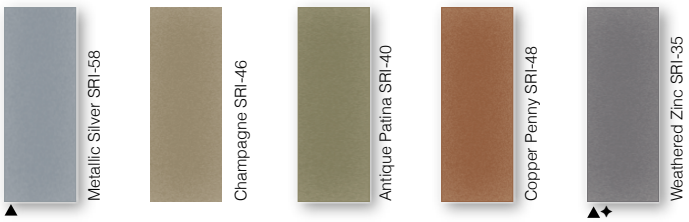
40-Year Residential Manufacturer's Limited Warranty

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

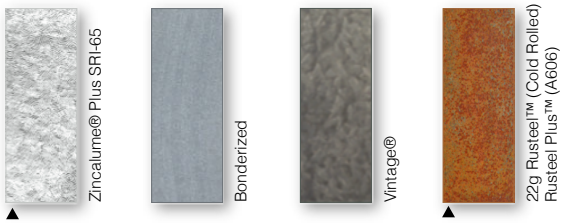
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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
*****Oil canning is not a cause for material rejection*****

Standard Panels			
Gauge	Color	LBS SQFT	LBS LF
26	ArmorTech	.85	2.7
24	Kynar	1.19	3.58
22	▲	1.51	4.33
.032 Alum	✦	.56	1.62

steelscape

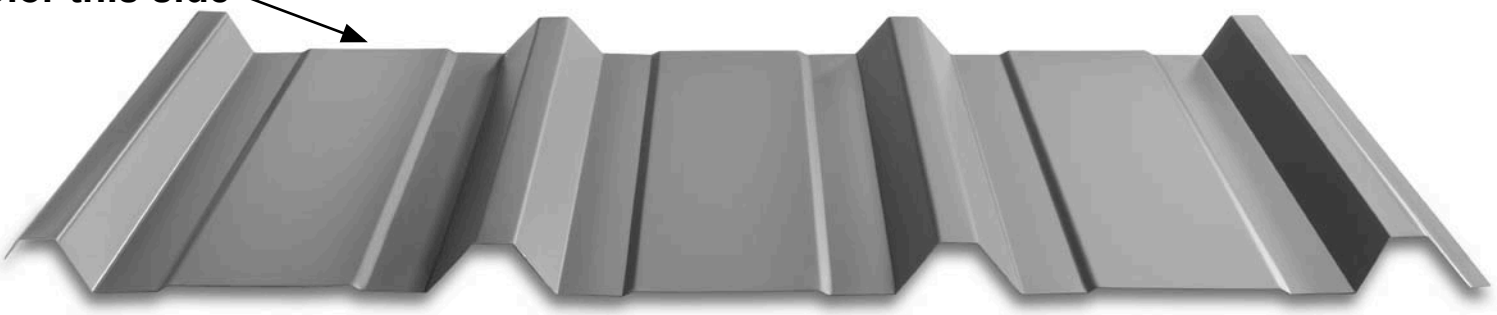
8-16

TAYLOR METAL PRODUCTS

Marion "R" Panel™
ROOF AND WALL

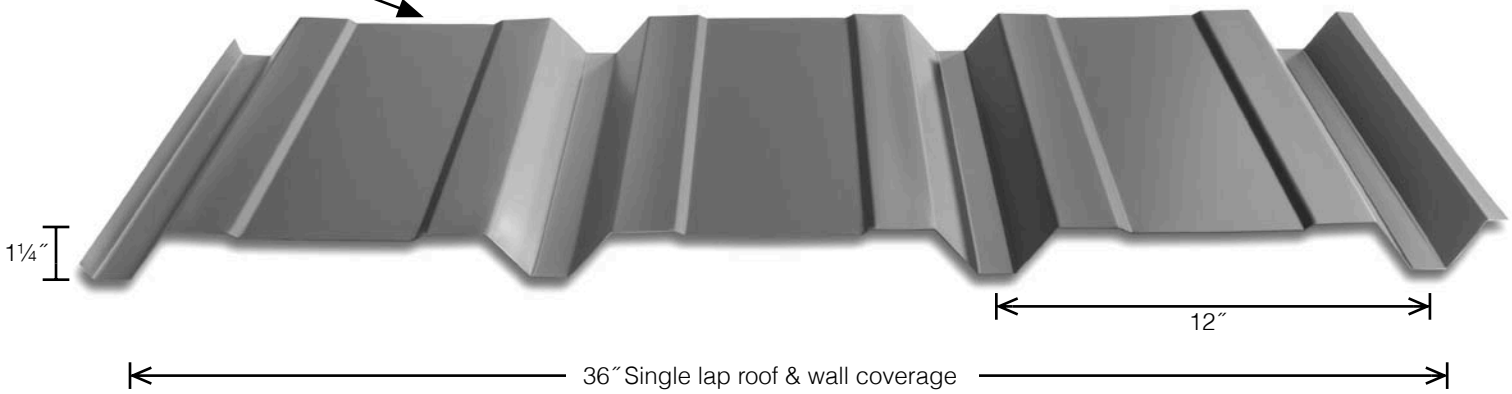
Standard

Color this side

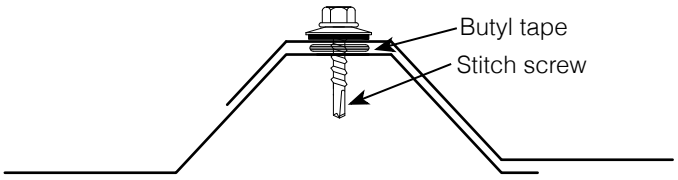


Reverse

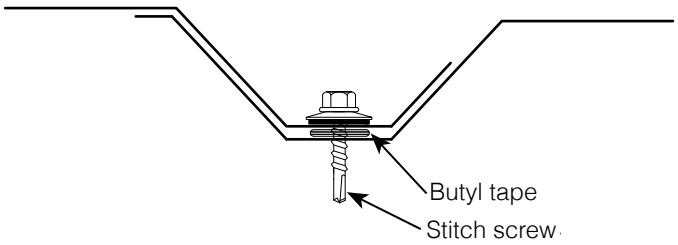
Color this side



Standard Lap Detail



Reverse Lap Detail



Key Features

- 29, 26, 24, & 22 gauge Tru-Gauge™ and .032 Aluminum
- ASTM 653 and 792, UL 90 rated when attached to steel purlin
- Custom lengths 1' to 35'-No short length cut charge
  For longer lengths please inquire
- Recommended minimum pitch 1:12 when installed with Butyl mastic
- Long length flashing available to 21'
- Fiberglass and Polycarbonate skylight panels available to match profile
- Panel is available in a wide variety of “Cool” baked on ARMORTECH™ or “Cool” baked on Kynar® colors. Rusteel™ (cold rolled) or Rusteel Plus™ (A606) Bonderized and .032 Kynar® Painted Aluminum
- Easy-to-order standard and custom made trim and accessory packages available for specific project needs
- Color matched neoprene washered screws

TAYLOR METAL PRODUCTS

Material Specifications

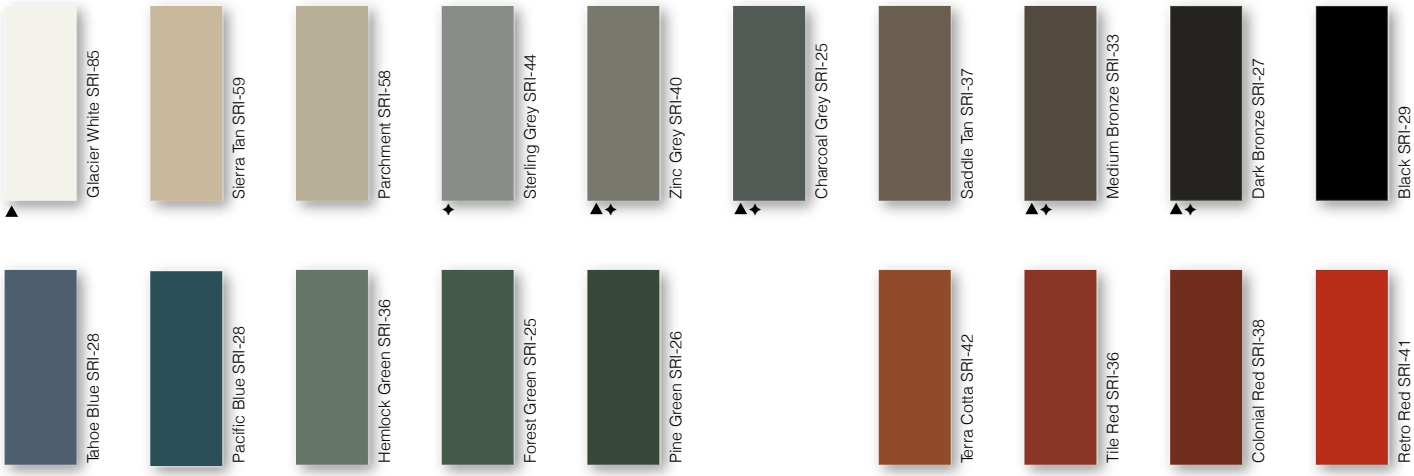
- 29 gauge ArmorTech™ Painted Steel
  .015˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50 - Glacier White only
- 26 gauge ArmorTech™ Painted Steel
  .019˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 26 and 24 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- 26 gauge G-90 Galvanized
- 24 gauge Kynar 500® Painted Steel
  .0236˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- ▲ 22 gauge Kynar 500®
  .029˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- ✦ .032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized (G-90)
- Kynar® and substrate testing data available
  (See website)

STANDARD Cool ARMOR TECH™ SMP Colors

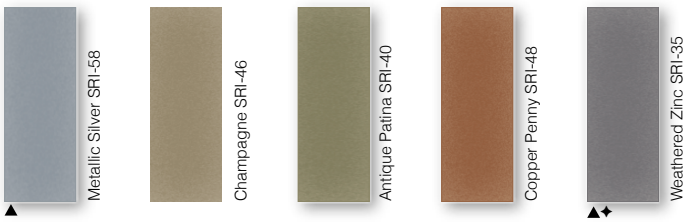
40-Year Residential Manufacturer's Limited Warranty

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

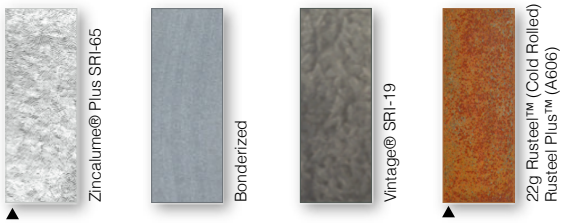
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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
*****Oil canning is not a cause for material rejection*****

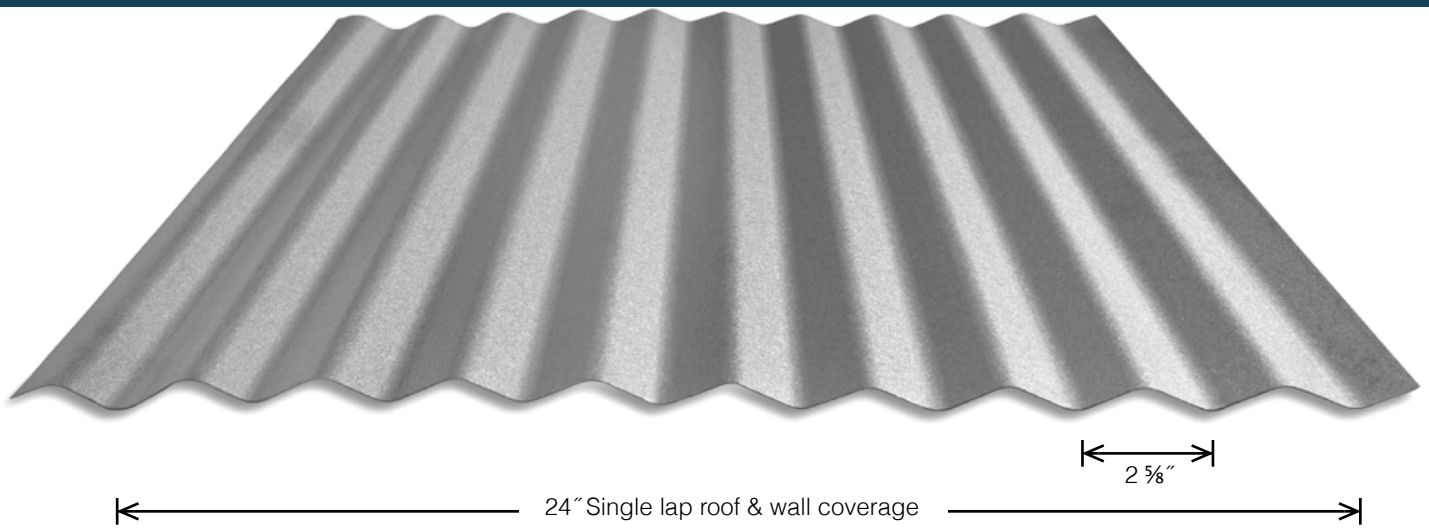
Standard Panels			
Gauge	Color	LBS SQFT	LBS LF
26	ArmorTech	.85	2.7
24	Kynar	1.19	3.58
22	▲	1.51	4.33
.032 Alum	✦	.56	1.62

steelscape

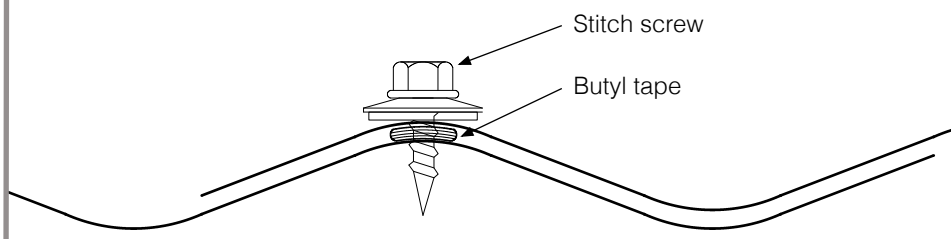
8-16

TAYLOR METAL PRODUCTS

2-½″ Corrugated ROOF AND WALL



2-½″ Corrugated is an economical, structural, light gauge exposed fastener roof and wall panel. Its an excellent choice for commercial, industrial and agricultural application. Also it's perfect for interior liner panels or an aesthetic wall panel.



Key Features

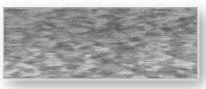
- 29 & 26 gauge Tru-Gauge™
- Unique design only requires single lap for roof applications
- ASTM 653 and 792
- Recommended minimum pitch 3:12
- Custom lengths 4' to 24'
- Long length flashings available up to 21'
- Panel is available in Zincalume® Plus, G-90 Galvanized, 22 gauge Rusteel™ (cold-rolled), 22 gauge Rusteel Plus™ (A606) and gauge Bonderized (G-90)
- Easy-to-order standard and custom trim, and accessory packages
- Use for animal confinement

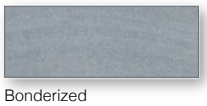
Allowable Live Load in PSF			Span in feet			
SPAN TYPE	GAUGE	KSI	2'	2' 6"	3'	4'
CONTINUOUS SPAN	26	80	138	88	61	35
CONTINUOUS SPAN	29	80	98	62	43	25

Gauge	LBS SQFT	LBS LF
29	.60	1.33
26	.89	1.97
22	1.46	2.92

Zincalume® Plus SRI-65

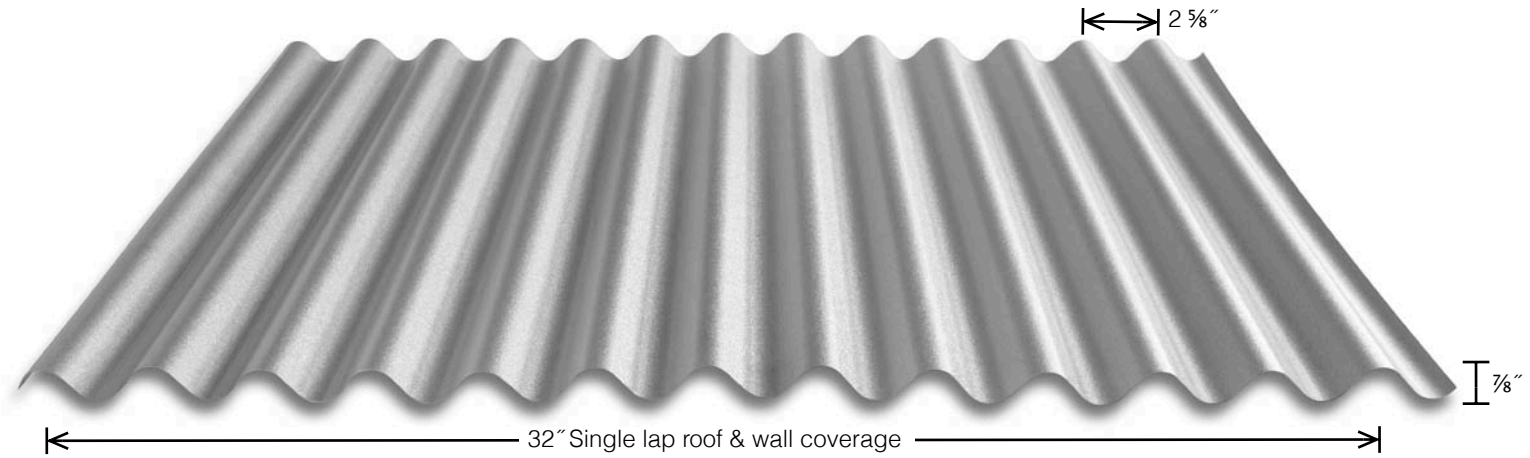
22g Rusteel™ (Cold Rolled)
Rusteel Plus™ (A606)

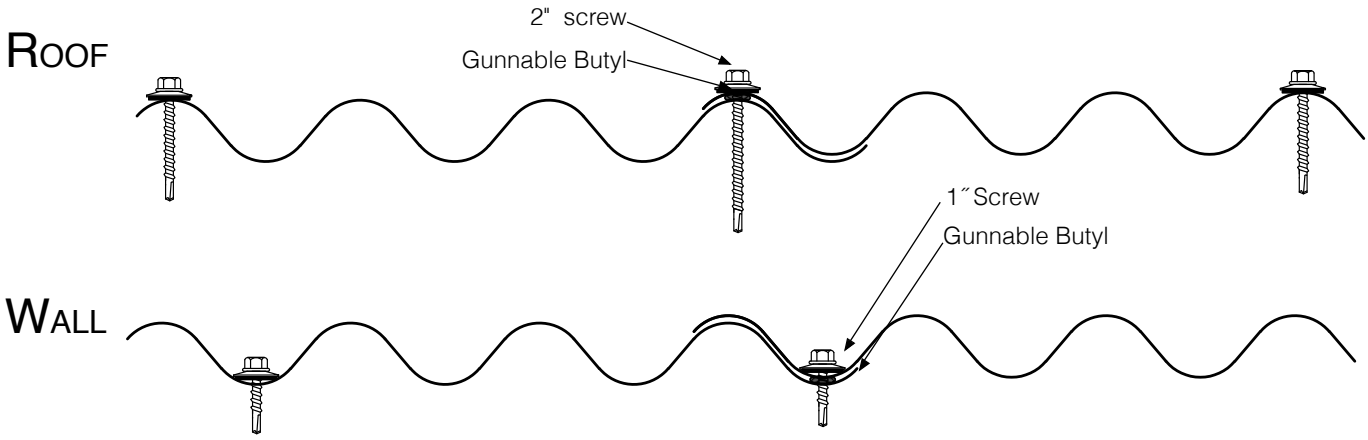

Galvanized


Bonderized

TAYLOR METAL PRODUCTS

Classic 7/8'' Corrugated™
ROOF AND WALL





KEY FEATURES

- 26, 24 & 22 gauge Tru-Guage™ and .032 Aluminum
- Unique design only requires single lap for roof and wall applications
- ASTM 283, 330, 331, 653 and 792
- Custom lengths 1' to 35'-No short length cut charge *For longer lengths please inquire*
- Recommended minimum pitch 3:12
- Long length flashings available up to 21'
- Fiberglass panels available to match profile
- Panel is available in a wide variety of “Cool” baked on ARMORTECH™ or “Cool” baked on Kynar® colors. Rusteel™ (cold rolled) or Rusteel Plus™ (A606) Bonderized and .032 Kynar® painted Aluminum
- Color matched neoprene washered screws

Allowable Live Load in PSF			Span in feet (steel only)				
SPAN TYPE	GAUGE	KSI	2'	2' 6"	3'	3' 6"	4'
SINGLE SPAN	22	50	505	323	224	164	125
DOUBLE SPAN	22	50	485	315	220	162	124
THREE OR MORE SPANS	22	50	597	389	273	202	155
SINGLE SPAN	24	50	383	245	170	125	95
DOUBLE SPAN	24	50	368	239	167	123	94
THREE OR MORE SPANS	24	50	452	295	207	153	118
SINGLE SPAN	26	80	310	219	151	101	64
DOUBLE SPAN	26	80	301	210	135	90	54
THREE OR MORE SPANS	26	80	368	253	172	110	67

TAYLOR METAL PRODUCTS

Material Specifications

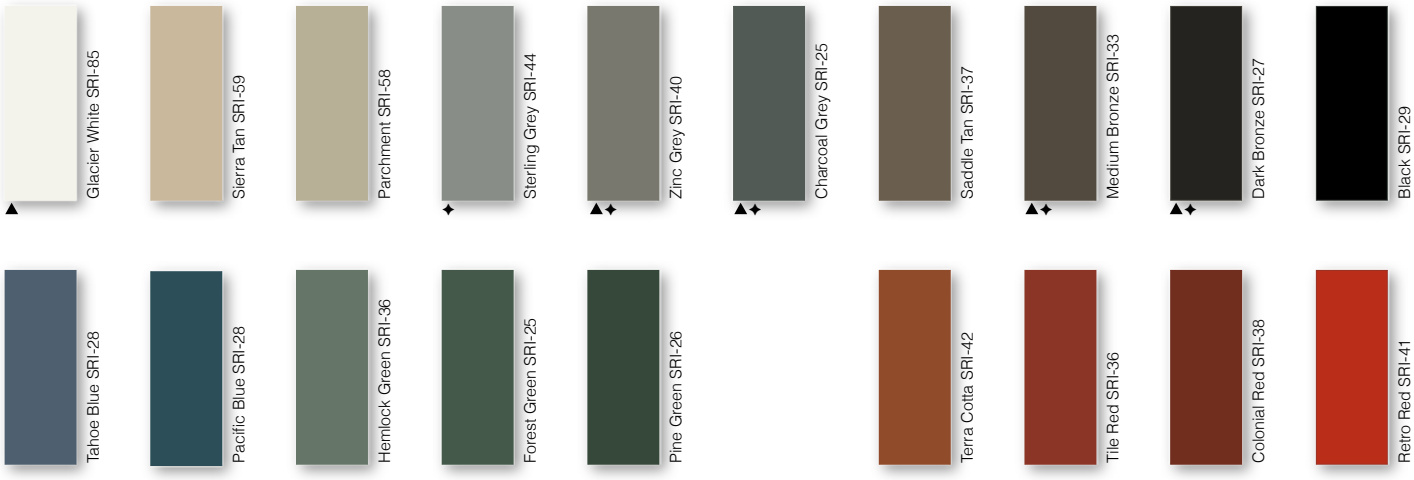
- 26 gauge ArmorTech™ Painted Steel .019˝ (thickness prior to painting) G-90 Galvanized
- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲ 22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ✦ .032 Kynar 500® Painted Aluminum
- 22 gauge Rusteel™ (Cold Rolled)
- 22 gauge Rusteel Plus™ (A606)
- 24 gauge Bonderized G-90
- Kynar and substrate testing data avaliable *(See website)*

STANDARD Cool ARMOR TECH™ SMP Colors

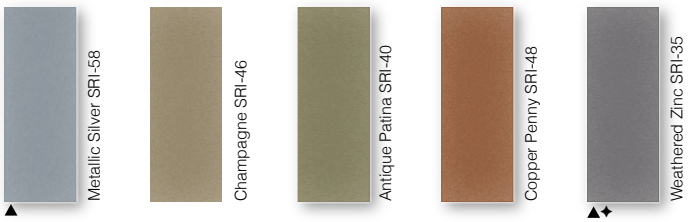
40-Year Residential Manufacturer's Limited Warranty

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

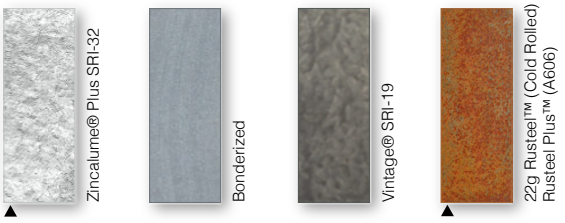
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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.

Standard Panels			
Gauge	Color	LBS SQFT	LBS LF
26	ArmorTech	1.02	2.92
24	Kynar	1.2	3.45
22	▲	1.51	4.33
.032 Alum	✦	.56	1.62

steelscape

8-16

5 – Other Products

TAYLOR METAL PRODUCTS

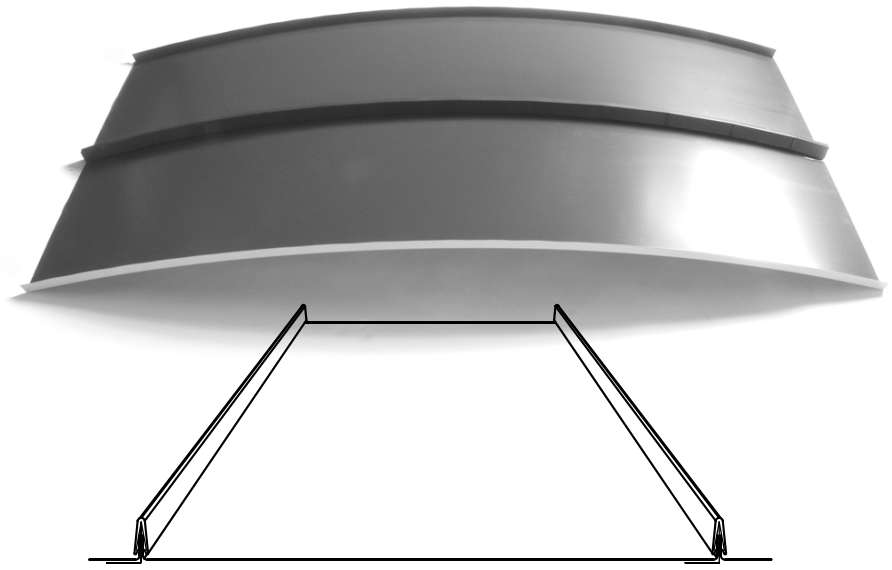
T-PANEL™ WITH BATTEN

T-Panel™ Standing Seam is perfect for radius roofing projects. This panel gives you the flexibility to design buildings with unique characteristics that only a radius panel can provide.

Key Features

- 12˝ to 20˝ coverage options
- 24 & 22 gauge Tru-Gauge™*(battens are fabricated in 24 gauge steel. .032 aluminum and 20oz. copper only)*
- Factory and field radius of roof panels and battens down to 3' radius (*24 gauge steel, .032 aluminum and 20oz copper only for battens)*
- Full length narrow batten
- 1˝ vertical rib is the total height when the batten is installed on the panel
- Tapered panels available
- Vertical interlocking application: allows installation from both directions starting at any location
- Concealed fasteners: fasteners cannot leak
- Incorporates nicely with Easy-Lock™ Standing Seam Panel
- UL Class A fire rated
- 3:12 minimum pitch recommended: (*for lower pitches please inquire)*
- Standard panel lengths 2' to 35': (*for longer panels, please inquire)*
- Pan options: Flat pan, Accent ribs, Striations
- "Oil Canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection

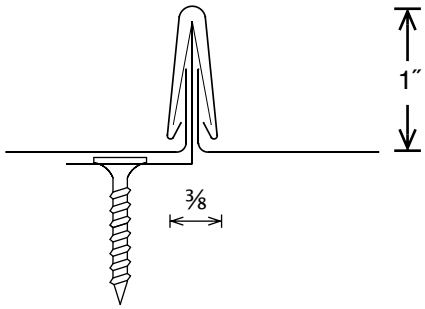
Panel Profiles



Flat Pan

12˝ to 20˝ coverage options

Standing Seam Detail



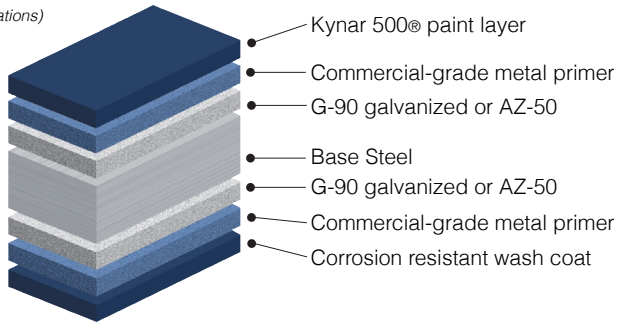
TAYLOR METAL PRODUCTS

Material Specifications

- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 22 & 24 gauge bare Zincalume® Plus with Clear Acrylic Coating - AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 16 and 20 ounce Copper *please inquire*
- 22 gauge Rusteel™ (Cold-rolled)
- 22 gauge Rusteel™ Plus (A606)
- 24 gauge Bonderized (G-90)
- Kynar® and substrate testing data available *(See website)*

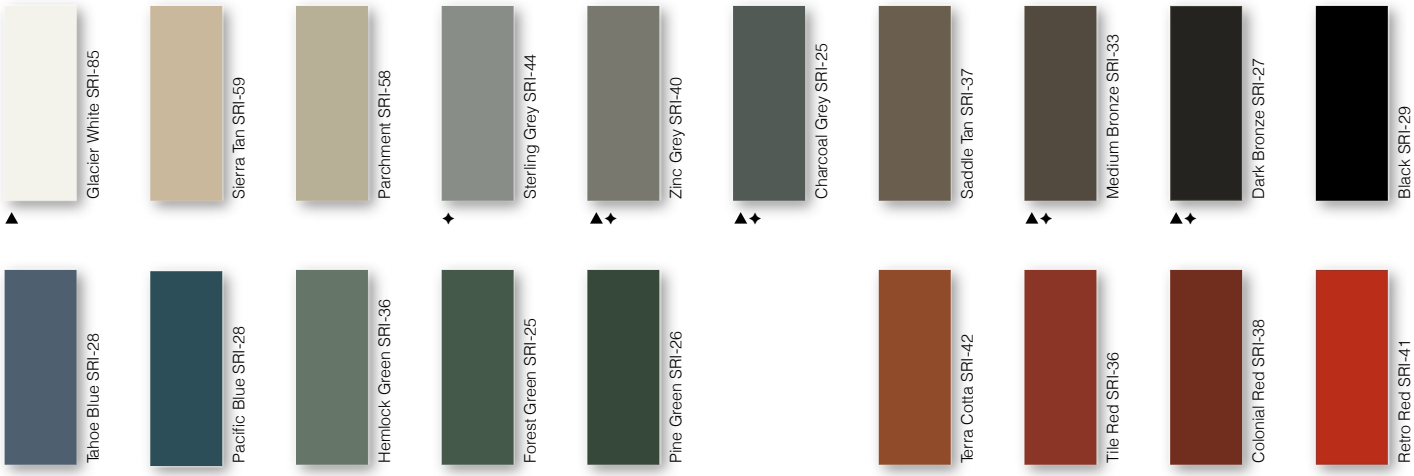
Key Features

- 19 Standard Colors, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)*

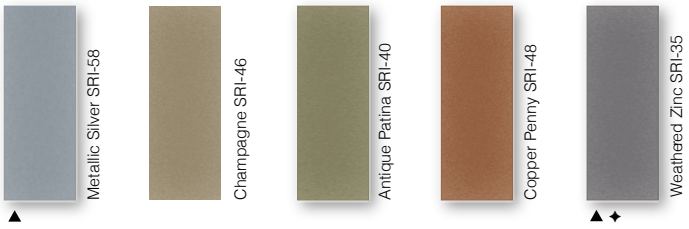


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

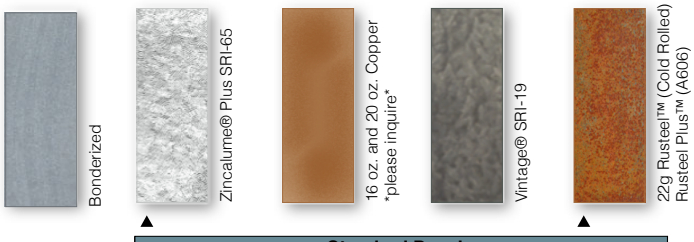
Standard Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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.

steelscape PPG ENERGY STAR CRRC MEMBER

(Inquire for other panel sizes)

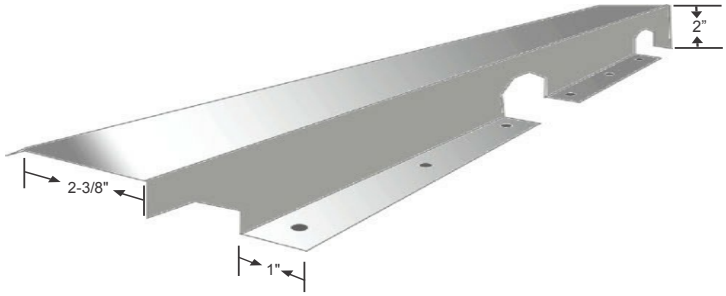
Standard Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
12˝	24	Kynar	1.48	1.48
15½˝	24	Kynar	1.30	1.76
16˝	24	Kynar	1.35	1.81
12˝	22	▲	1.86	1.86
16˝	22	▲	1.70	2.27
12˝	.032	✦	.70	.70
16˝	.032	✦	.64	.85

TAYLOR METAL PRODUCTS

OverEZee™

Engineered Retrofit System

Engineered OverEZee Sub-Purlins are used as a structural connection to the existing steel purlins. OverEZees are Code Compliant, no liability for failures from inadequate attachment.



Features & Benefits

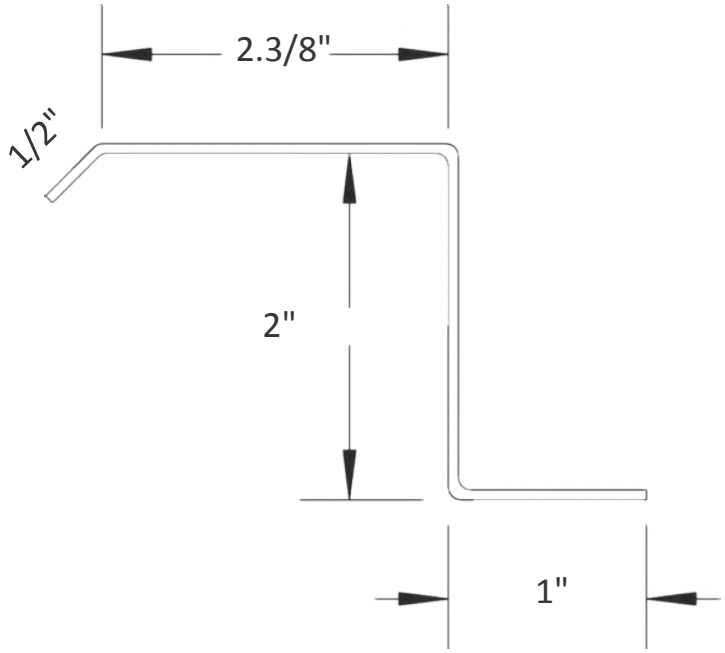
- 10' lengths
- Pre-punched holes
- Custom notched for existing roof profile
- System allows new installation
- No tear off = lower cost system
- Saves removal disposal fees
- Safer Installation
- Little disruption to building occupants

Material Specifications

- 16 gauge with yield of 50,000 ksi
- G-90 Galvanized per ASTM A 653
- ASTM A 1011 with 50,000 ksi
- Custom sizes available*

**See your Taylor Metal Representative for details*

Standard Size

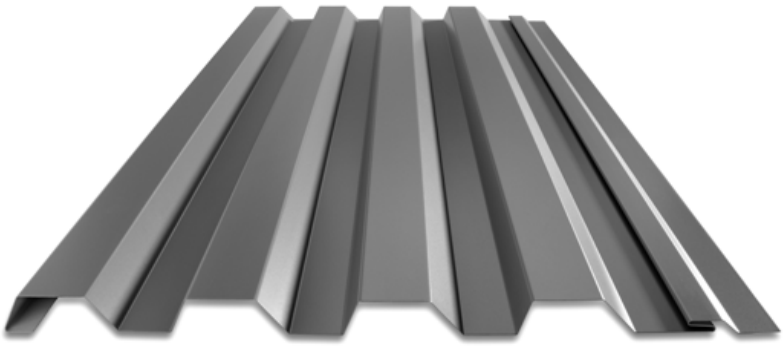


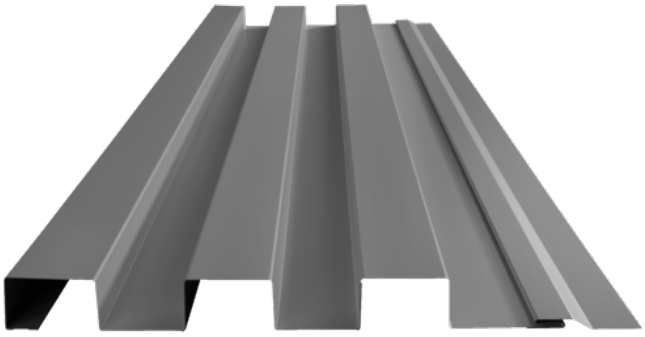
Taylor Metal Products - Phone: 503-581-8338 or 800-574-1388 - Fax: 503-581-6877 - www.taylormetal.com

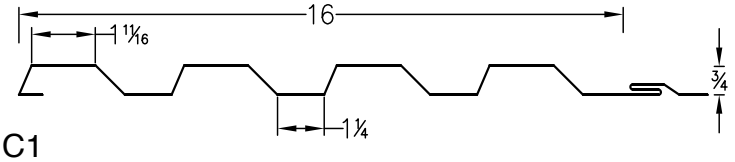
TAYLOR METAL PRODUCTS

Contour Series™

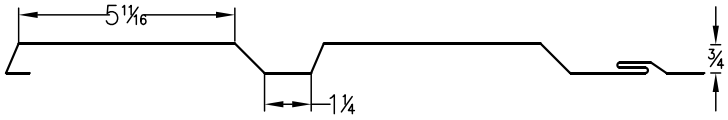
WALL AND SOFFIT







C1



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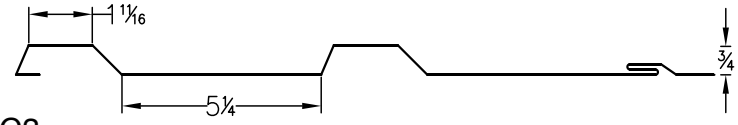

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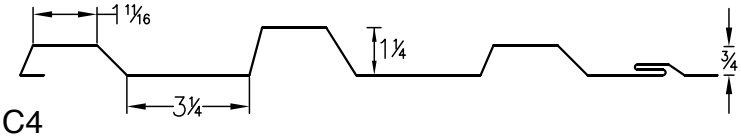

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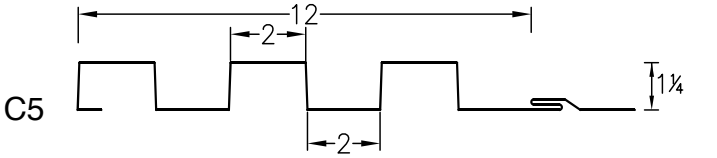

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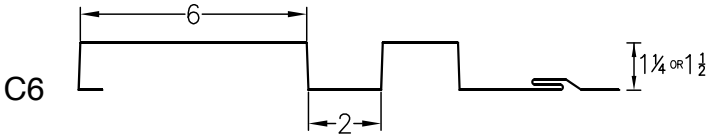

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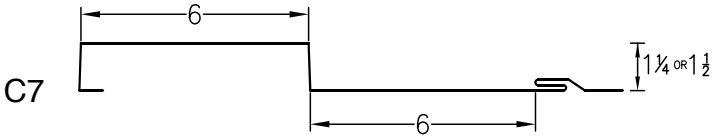
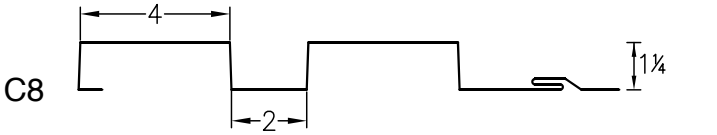
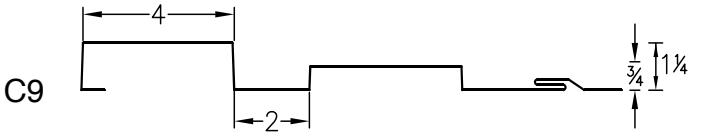


C7



C8



C9

- 12″ and 16″ panel coverage
- 24 and 22 Tru-Gauge™, .032 Aluminum, Bonderized, and Copper
- 5' to 21' panel lengths
- Machine folded panel, help to decrease "oil canning" in comparison to roll formed panels
- Concealed fastener attachment
- ASTM 283, ASTM 330, ASTM 331
- ⅞ to1½″ deep panel
- Custom profiles to match any style
- Use for vertical or horizontal wall applications
- Install on soffits
- Contour Series™ panels are interchangeable with each other
- "Oil Canning" is an inherent characteristic of Roof & Wall products, and not a defect, which is not a cause for panel rejection

Contour Series™ gives you the custom look you want within your budget. If one of our standard profiles does not match your design requirements, no problem. We specialize in fabricating panels that match your parameters, not ours. Contact us so we can help you fulfill your vision of the perfect look.

Panel is available in a wide variety of "Cool" baked on Kynar® colors. Rusteel™ (cold rolled), Rusteel Plus™ (A606), Bonderized (G-90), and .032 Kynar 500® Painted Aluminum

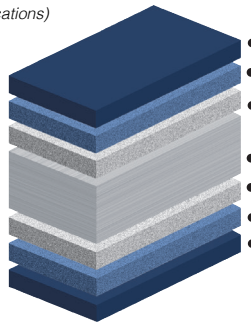
TAYLOR METAL PRODUCTS

Material Specifications

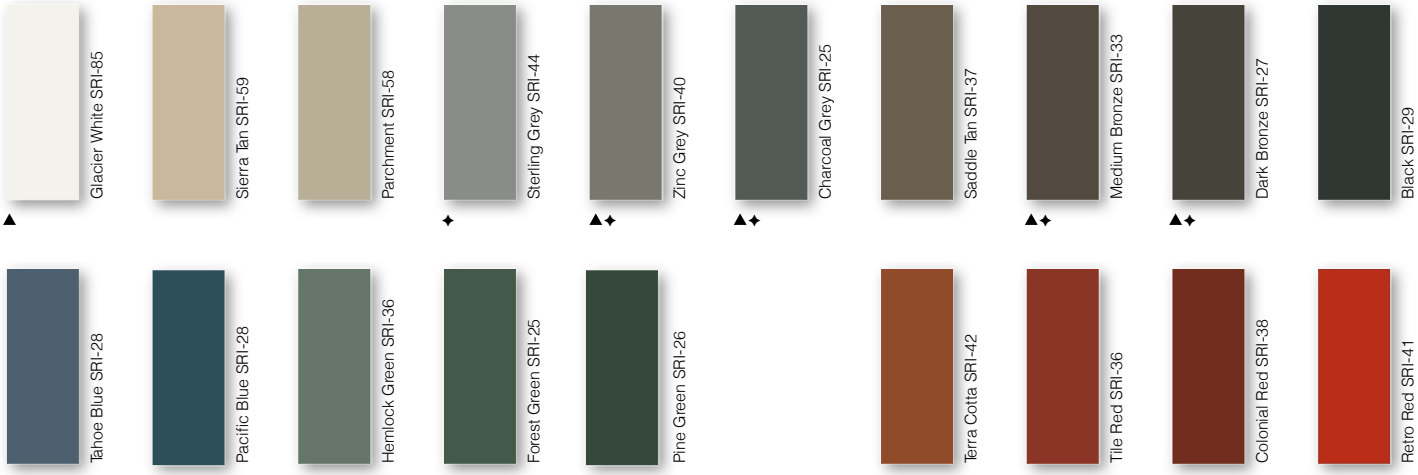
- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 22 & 24 gauge bare Zincalume® Plus with Clear Acrylic Coating AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 22 gauge Rusteel™ (Cold Rolled)
- 22 gauge Rusteel Plus™ (A606)
- 24 gauge Bonderized (G-90)
- Kynar® and substrate testing data available *(See website)*

Key Features

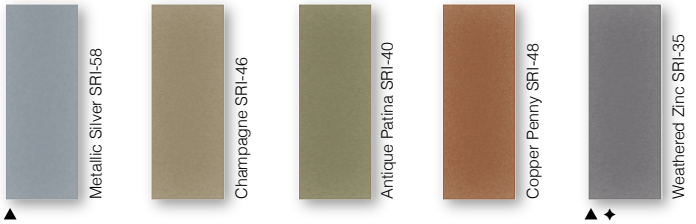
- 19 Standard Colors, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity and color retention
- "Cool" color pigments are specially designed to reflect infrared light, reducing heat gain to dwelling, and conform with ENERGY STAR® criteria
- Superior 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)



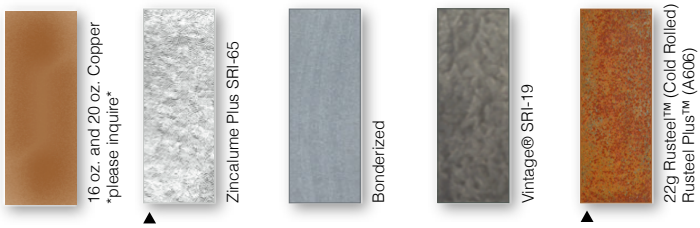
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® Colors



Specialized Material



Metal samples are available upon request. Coatings are low gloss 10-15% sheen.

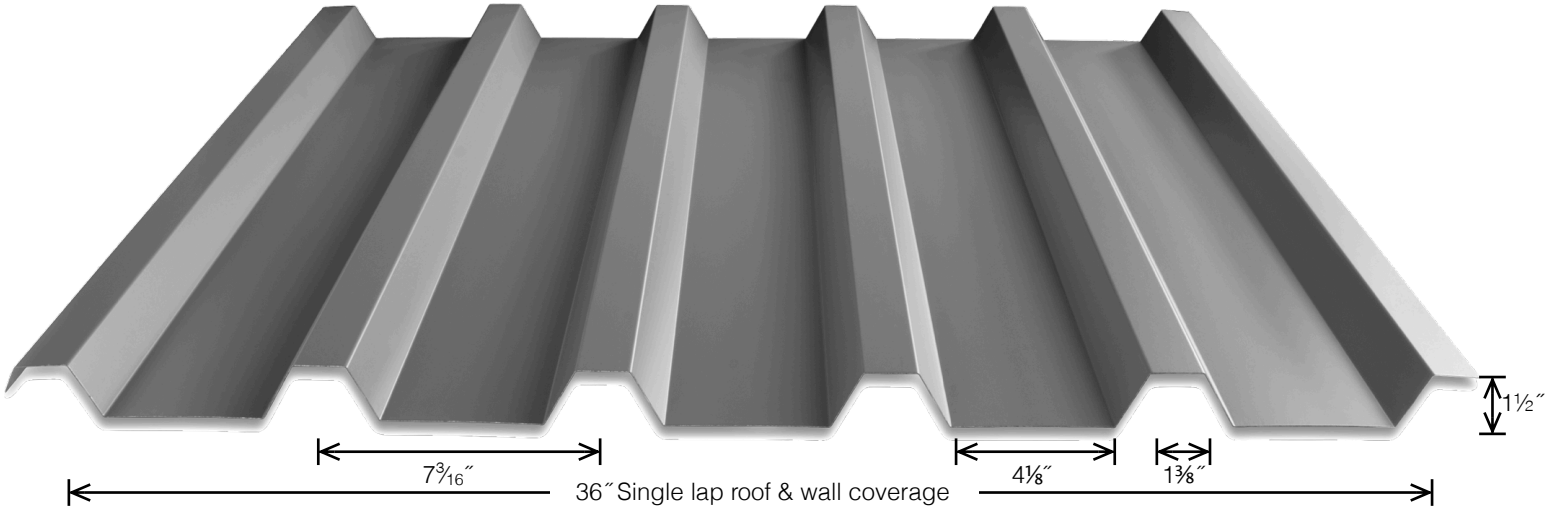
"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

- ▲ 22 gauge Kynar 500® Painted Aluminum
- ✦.032 Kynar 500® Painted Aluminum

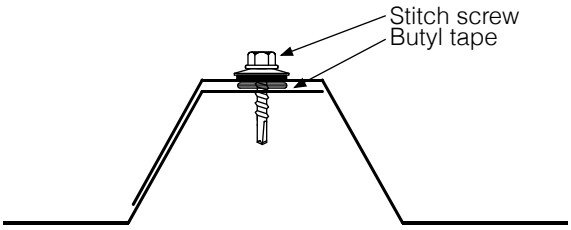
steelscape PPG ENERGY STAR CRRC COOL ROOF RATING COUNCIL MEMBER

TAYLOR METAL PRODUCTS

BR-36
ROOF AND WALL

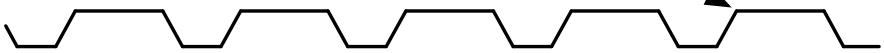


Lap Detail



BR-36 Color this side

BR-36 Reversed Color this side



Key Features

- 24 & 22 gauge Tru-Gauge™
- ASTM 283, 330, 331, 653 and 792
- Structural Panel that will span up to 5'
- Recommended minimum pitch 3:12
- Custom lengths 5' to 21'
- Long length flashings available up to 21'
- Panel is available in a wide variety of “Cool” baked on on Kynar® colors. Rusteel™ (cold rolled) or Rusteel Plus™ (A606) and Bonderized
- Easy-to-order standard and custom made trim and accessory packages available for specific project needs
- Color matched neoprene washered screws

Allowable Live Load in PSF			Span in feet					
SPAN TYPE	GAUGE	KSI	2'	2' 6"	3'	3' 6"	4'	5'
SINGLE SPAN	22	50	777	497	345	**194**	124	86
DOUBLE SPAN	22	50	750	480	333	188	120	83
THREE OR MORE SPANS	22	50	938	600	417	234	150	104
SINGLE SPAN	24	50	560	358	249	140	90	62
DOUBLE SPAN	24	50	506	324	225	126	81	56
THREE OR MORE SPANS	24	50	632	405	281	158	101	70
SINGLE SPAN	26	80	487	250	174	98	63	43
DOUBLE SPAN	26	80	390	249	173	97	72	52
THREE OR MORE SPANS	26	80	391	312	217	122	78	54

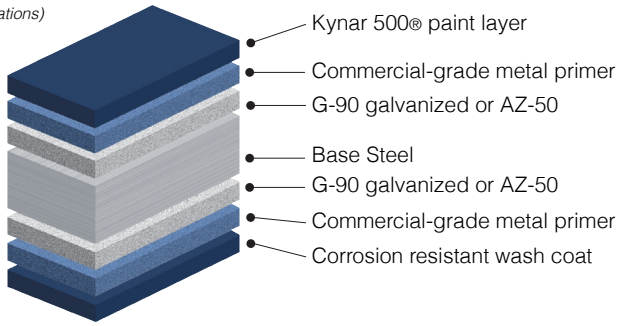
TAYLOR METAL PRODUCTS

Material Specifications

- 24 gauge Kynar 500® Painted Steel .0236˝(thickness prior to painting) G-90 Galvanized or AZ-50
- 24 and 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝(thickness prior to painting) G-90 Galvanized or AZ-50
- 22 gauge Rusteel™ (Cold Rolled)
- 22 gauge Rusteel Plus™ (A606)
- 24 gauge Bonderized G-90
- Kynar® and substrate testing data available *(See website)*

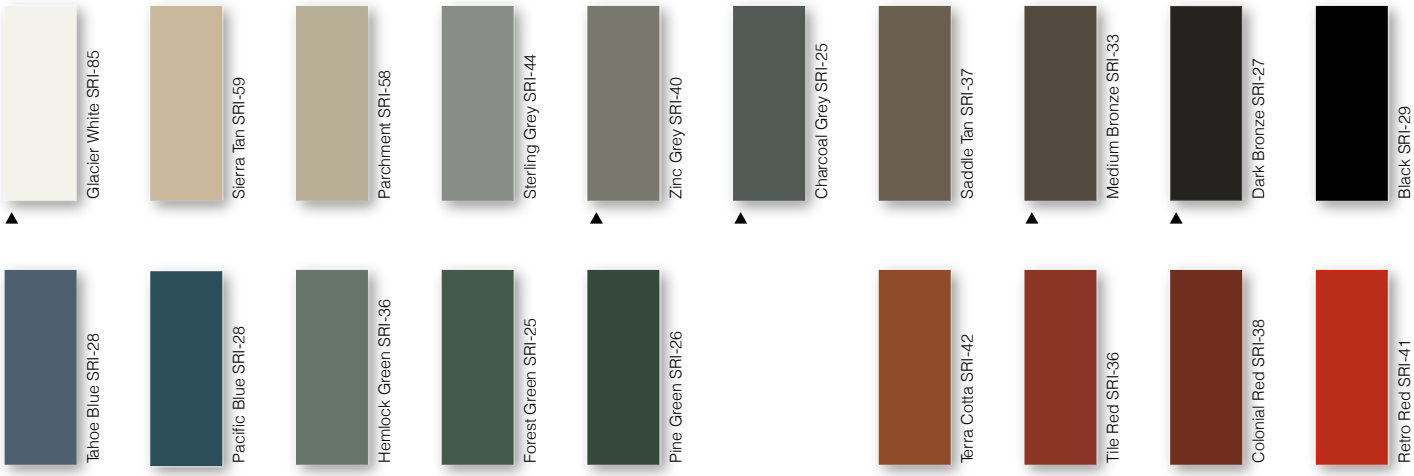
Key Features

- 19 Standard Colors, 2 Metallic Colors and 4 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)*

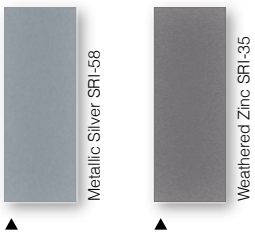


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

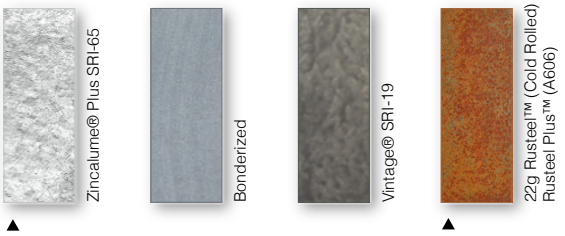
Standard Cool Kynar 500® Colors



Metallic Cool Kynar 500® Colors



Specialized Material



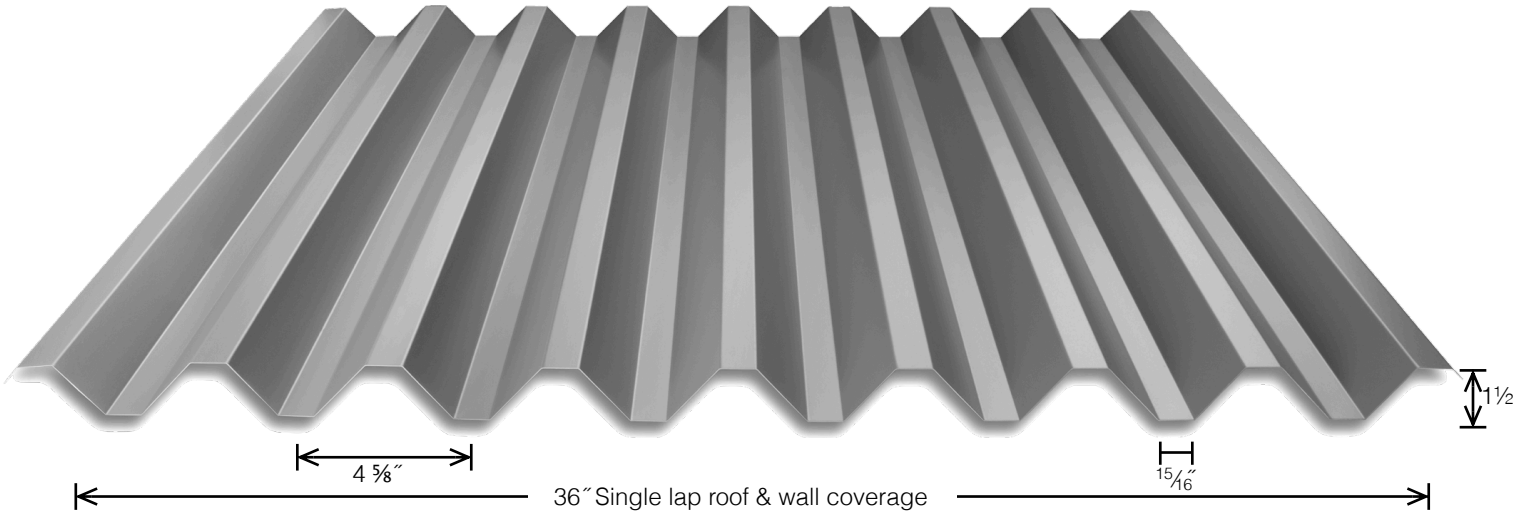
These printed chips provide a close representation of the colors. Metal samples are available upon request.
Coatings are low gloss 10-15% sheen
*****Oil canning is not a cause for material rejection*****

Standard Panels			
Gauge	Color	LBS SQFT	LBS LF
24	All	1.22	4.84
22	▲	1.53	4.84

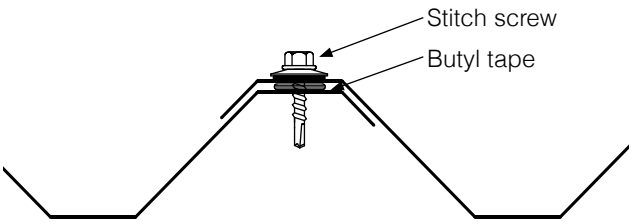
steelscape PPG ENERGY STAR CRRC COOL ROOF RATING COUNCIL MEMBER

TAYLOR METAL PRODUCTS

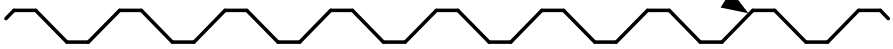
Classic V-Rib™
ROOF AND WALL



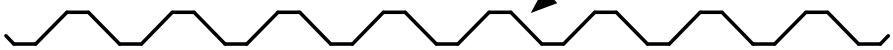
Lap Detail



Classic V-Rib™ Color this side



Classic V-Rib™ Reversed Color this side



Key Features

- 24 & 22 gauge Tru-Guage™
- ASTM 283, 330, 331, 653 and 792
- Structural Panel that will span up to 6'
- Recommended minimum pitch 3:12
- Custom lengths 5' to 21'
- Long length flashings available up to 21'
- Panel is available in a wide variety of “Cool” baked on Kynar® colors, Rusteel™ (cold rolled), or Rusteel Plus™ (A606) and 24ga Bonderized (G-90)
- Easy-to-order standard and custom made trim and accessory packages
- Color matched neoprene washered screws

Allowable Live Load in PSF			Span in feet (steel only)					
SPAN TYPE	GAUGE	KSI	2'	2' 6"	3'	4'	5'	6'
SINGLE SPAN	22	50	806	516	358	**202**	129	90
DOUBLE SPAN	22	50	806	516	358	202	129	90
THREE OR MORE SPANS	22	50	1008	645	448	252	161	112
SINGLE SPAN	24	50	636	407	283	159	102	71
DOUBLE SPAN	24	50	627	401	348	157	100	70
THREE OR MORE SPANS	24	50	784	502	358	196	125	87
SINGLE SPAN	26	80	545	349	242	136	87	61
DOUBLE SPAN	26	80	514	329	229	129	82	57
THREE OR MORE SPANS	26	80	643	411	286	161	103	71

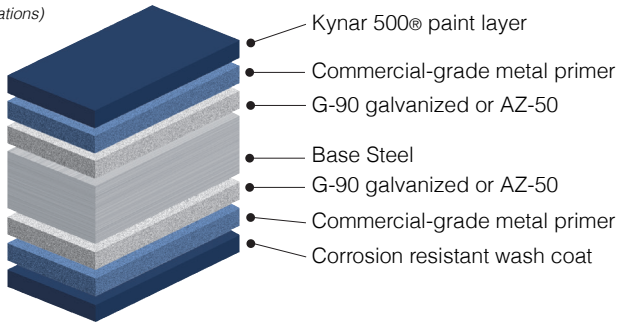
TAYLOR METAL PRODUCTS

Material Specifications

- 24 gauge Kynar 500® Painted Steel .0236˝(thickness prior to painting) G-90 Galvanized or AZ-50
- 24 and 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝(thickness prior to painting) G-90 Galvanized or AZ-50
- 22 gauge Rusteel™ (Cold Rolled)
- 22 gauge Rusteel Plus™ (A606)
- 24 gauge Bonderized G-90
- Kynar® and substrate testing data available *(See website)*

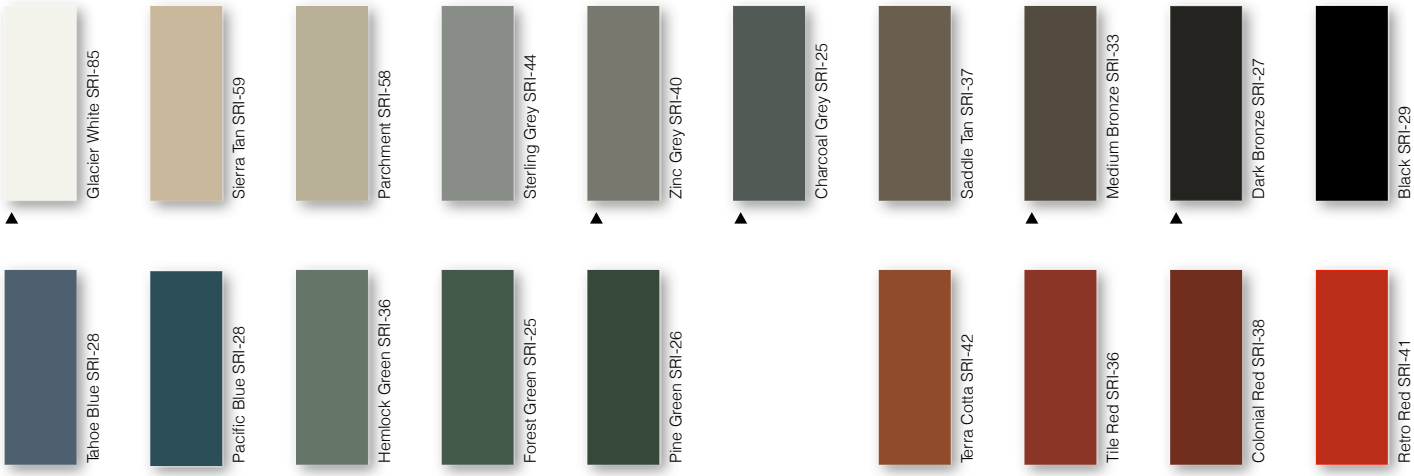
Key Features

- 19 Standard Colors, 2 Metallic Colors and 4 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)*

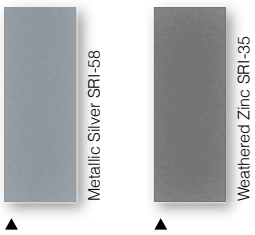


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

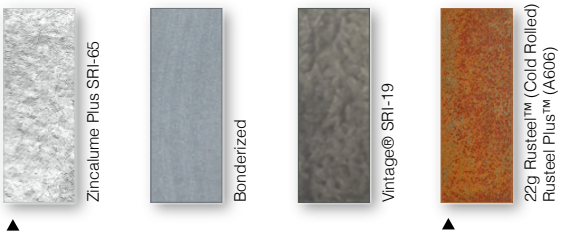
Standard Cool Kynar 500® Colors



Metallic Cool Kynar 500® Colors



Specialized Material



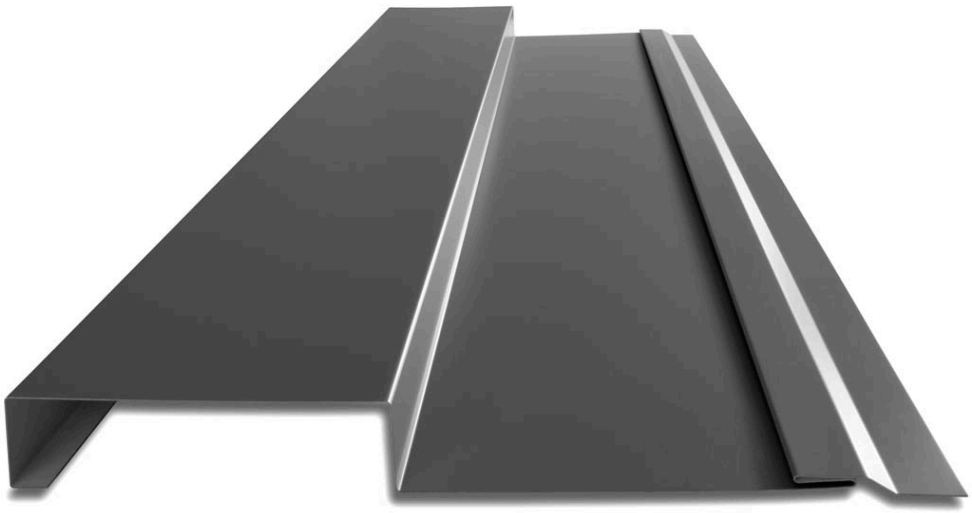
These printed chips provide a close representation of the colors.
Metal samples are available upon request.
Coatings are low gloss 10-15% sheen
*****Oil canning is not a cause for material rejection*****

Standard Panels			
Gauge	Color	LBS SQFT	LBS LF
24	All	1.22	4.84
22	▲	1.53	4.84

steelscape PPG ENERGY STAR CRRC COOL ROOF RATING COUNCIL MEMBER

TAYLOR METAL PRODUCTS

Reveal™
WALL AND SOFFIT

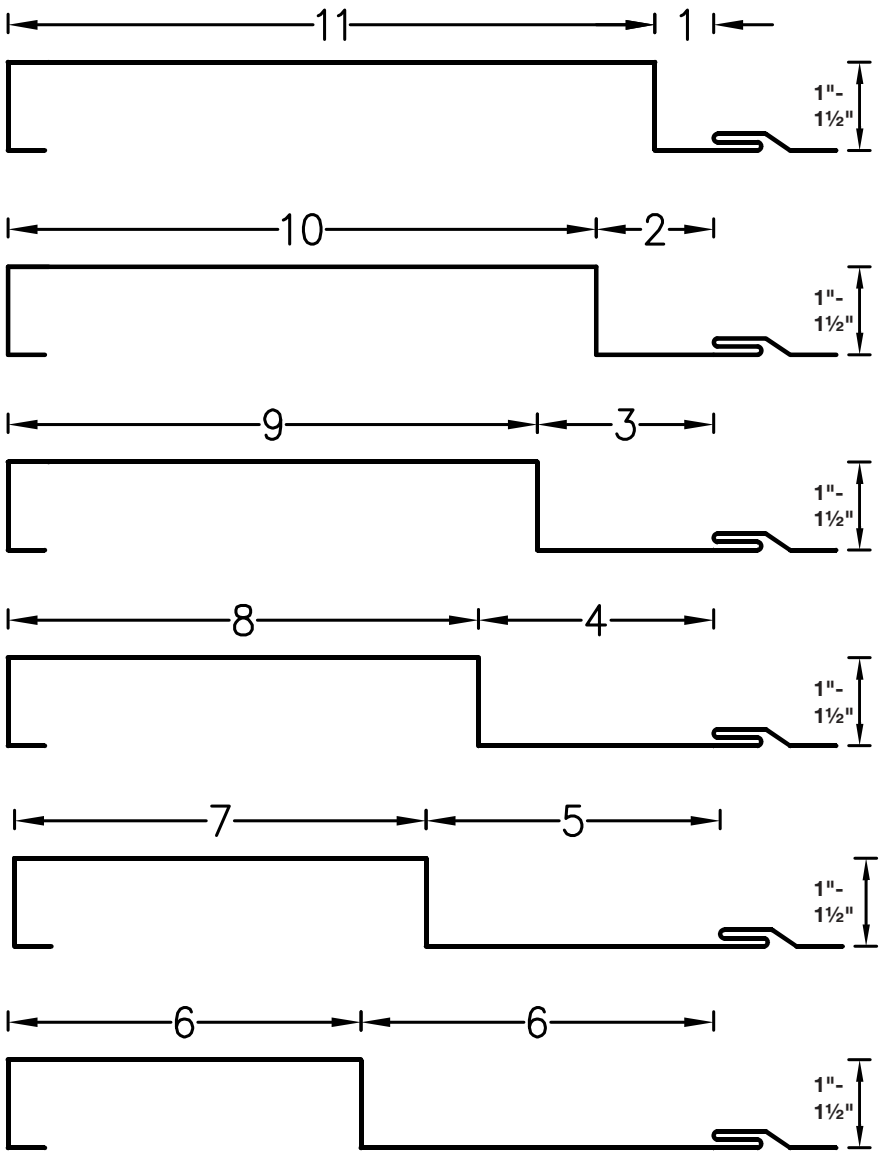


Reveal™ panels gives you various design options for your siding and soffits. Whether you are looking for clean consistent lines or want to mix and match different profiles. Either option will give your building a lifetime of elegance.

Key Features

- 12˝ panel coverage
- 24 and 22 Tru-Gauge™ and .032 Aluminum
- 5' to 21' panel lengths
- Machine folded panel, helps to decrease "oil canning" in comparison to roll formed panels
- ASTM 283, ASTM 330, ASTM 331
- 1½˝ deep panel
- Reveals from 1˝ to 6˝ (custom reveals available)
- Use for vertical or horizontal wall applications
- Install on soffits
- Interchangeable with Contour Series™

Panel Profiles



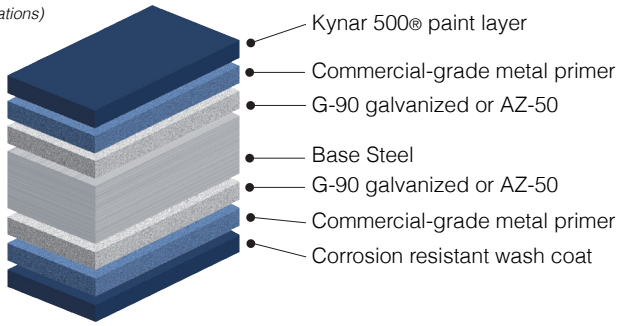
TAYLOR METAL PRODUCTS

Material Specifications

- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 22 & 24 gauge bare Zincalume® Plus with Clear Acrylic Coating - AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized G90
- 22 gauge Rusteel™ (cold-rolled)
- 22 gauge Rusteel Plus™ (A-606)
- 16 and 20 ounce Copper
- Kynar® and substrate testing data available *(See website)*

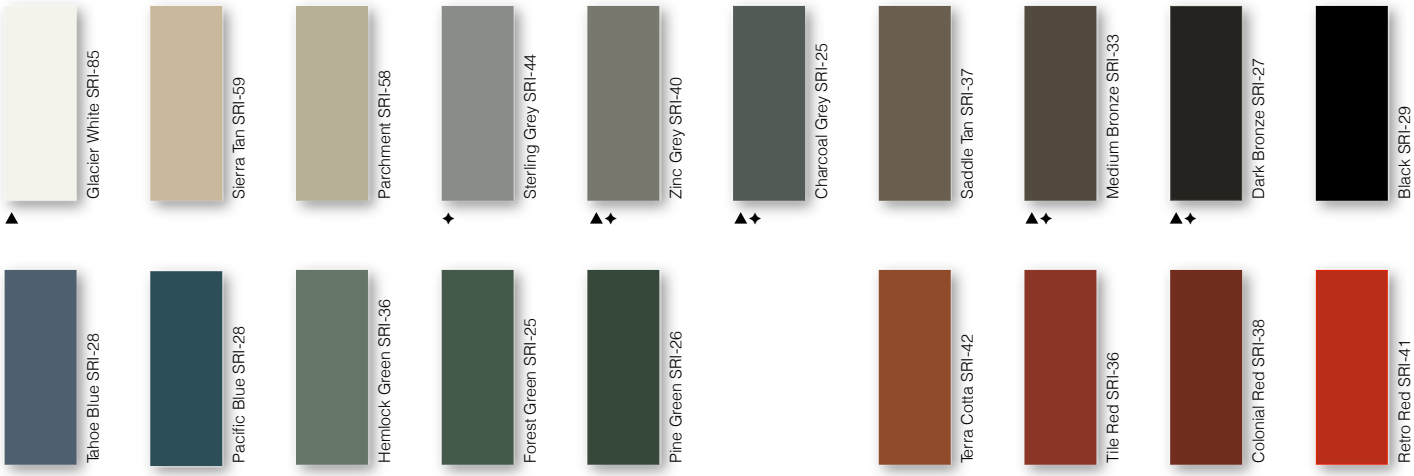
Key Features

- 19 Standard Colors, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)*

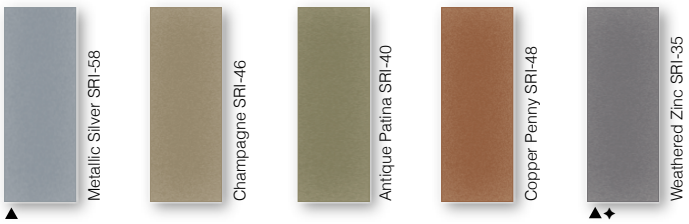


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

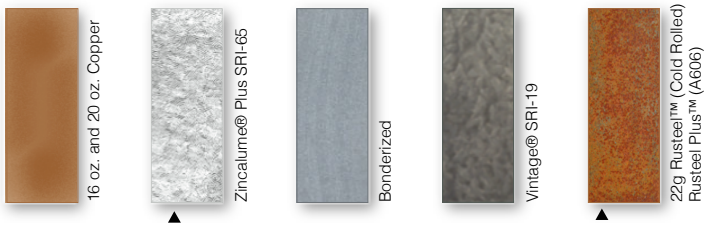
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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

"Oil Canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

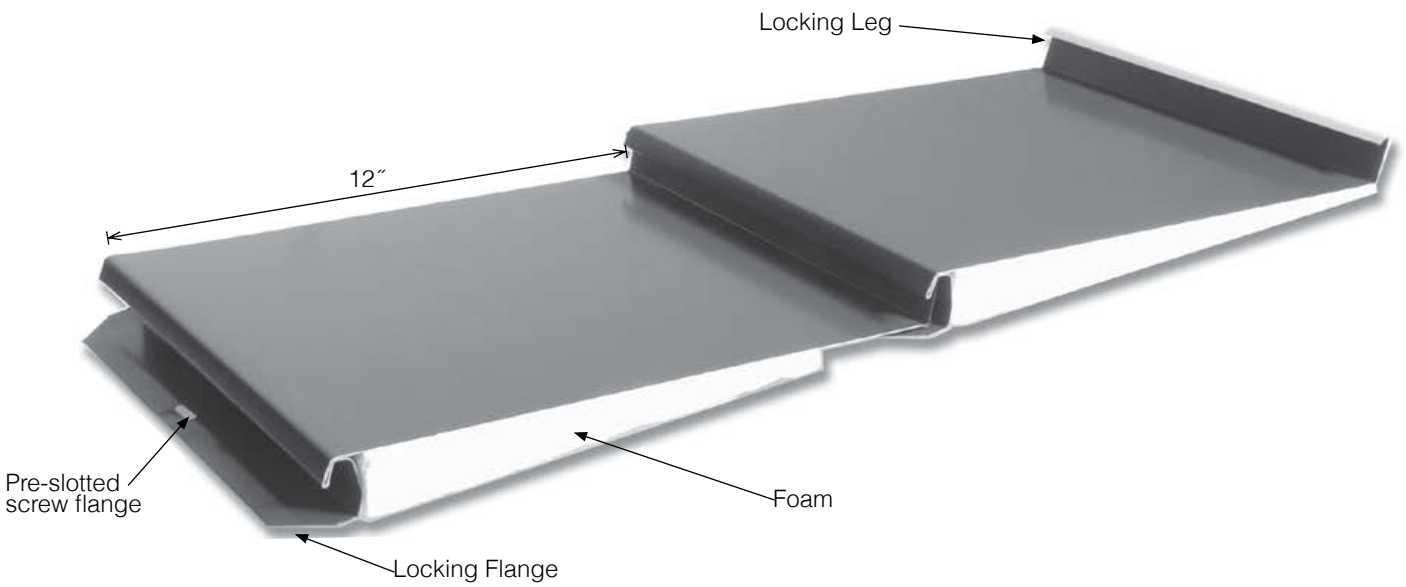
Standard Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
12˝	24	Kynar	1.54	1.54
12˝	22	▲	1.93	1.93
12˝	.032	✦	1.81	2.42

steelscape

TAYLOR METAL PRODUCTS

Pacific Pattern™
ROOF PANEL

Panel Profile

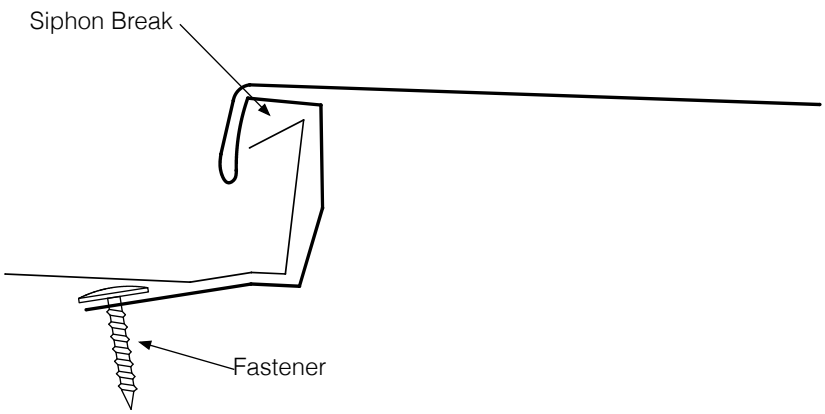


Pacific Pattern™ panel gives a smooth shingle appearance with 90% fewer seams. This pattern is installed horizontally, beginning at the ridgeline and finishing at eave edge.

Key Features

- 12" coverage (11-7/8" actual coverage)
- 24 gauge Tru-gauge™
- Factory applies foam backer makes for a quiet and walkable panel
- Standard panel lengths 2' to 50': (for longer panels, please inquire)
- Custom flashing for all conditions available
- 1" vertical height
- Concealed fasteners: fasterners cannot leak
- 4:12 minimum pitch recommended: (for lower pitches please inquire)
- "Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection.

Seam Detail



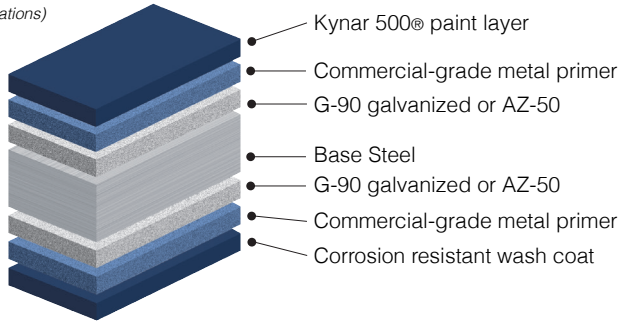
TAYLOR METAL PRODUCTS

Material Specifications

- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 16 and 20 ounce Copper *please inquire*
- Kynar and substrate testing data available *(See website)*
- "Oil canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection

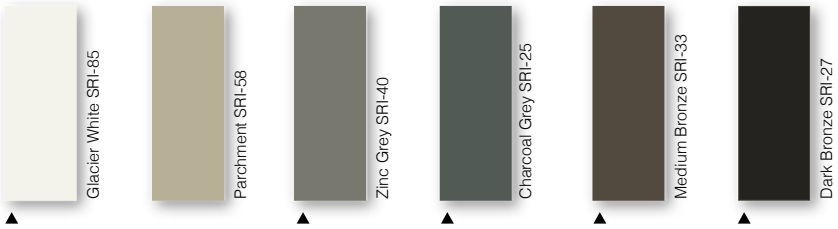
Key Features

- 11 Standard Colors, 1 Metallic Color and 3 Specialized Colors *Inquire about other colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)



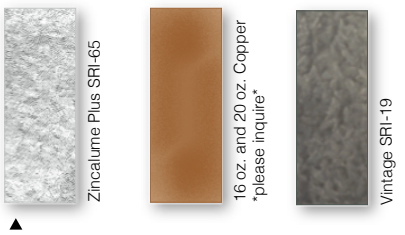
40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

Standard Cool Kynar 500® Colors - other colors available, please inquire



Metallic Cool Kynar 500® Colors - other colors available, please inquire

Specialized Material



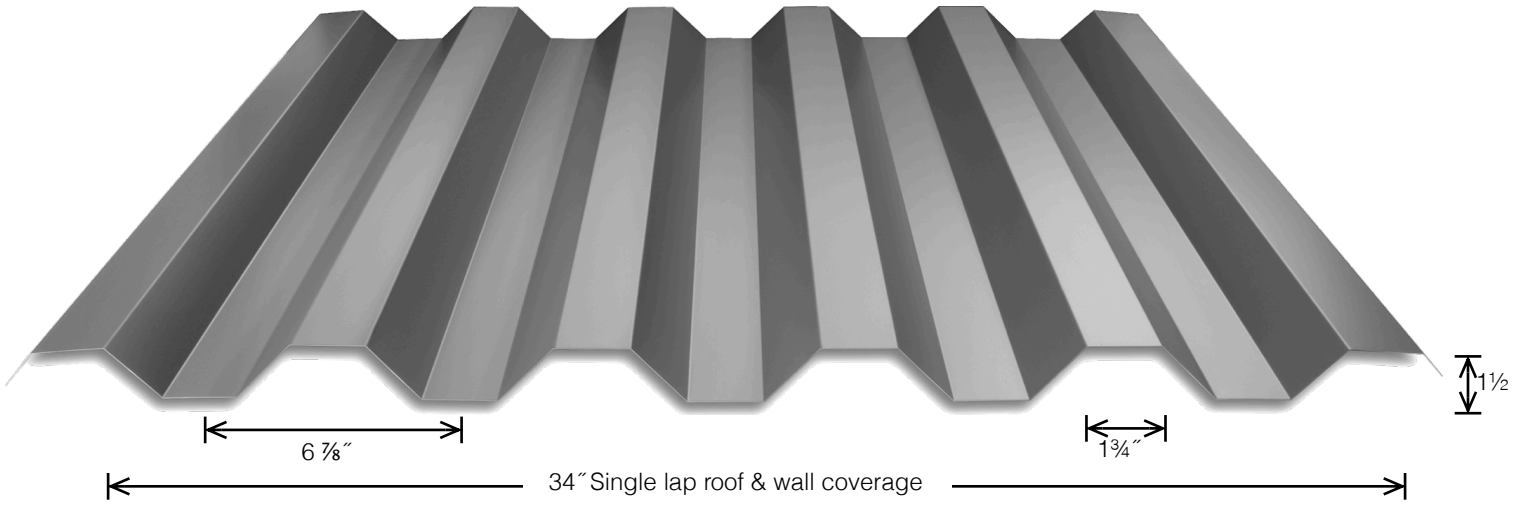
These printed chips provide a close representation of the colors.
Metal samples are available upon request.
Coatings are low gloss 10-15% sheen
*****Oil canning is not a cause for material rejection*****

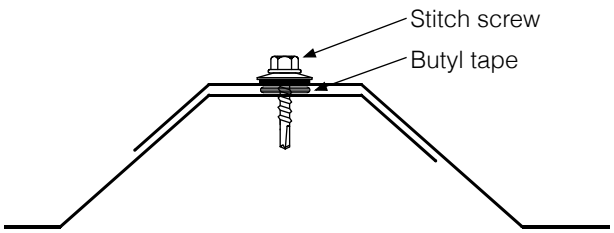
Standard Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
12˝	24	All	1.33	1.33
12˝	22	▲	1.67	1.67

steelscape PPG ENERGY STAR CRRC MEMBER

TAYLOR METAL PRODUCTS

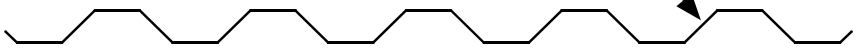
HR-34
ROOF AND WALL





HR-34 **Color this side**

HR-34 Reversed **Color this side**



- 29, 26, 24 & 22 gauge Tru-Gauge™ and .032 Aluminum
- ASTM 283, 330, 331, 653 and 792
- Structural Panel that will span up to 6'
- Recommended minimum pitch 3:12
- Custom lengths 1' to 35'-No short length cut charge
  For longer lengths please inquire
- Panel is available in a wide variety of “Cool” baked on ARMORTECH™ or “Cool” baked on Kynar® colors. Rusteel™ (cold rolled), Rusteel Plus™ (A606), Bonderized and .032 Kynar® 500 painted Aluminum
- Also available in 29 gauge Glacier White
- Long length flashings available up to 21'
- Easy-to-order standard and custom made trim and accessory packages
- Color matched neoprene washered screws

Allowable Live Load in PSF			Span in feet (steel only)					
SPAN TYPE	GAUGE	KSI	2'	2' 6"	3'	4'	5'	6'
SINGLE SPAN	22	50	806	516	358	202	129	90
DOUBLE SPANS	22	50	806	516	358	202	129	90
THREE OR MORE SPANS	22	50	1008	645	448	252	161	112
SINGLE SPAN	24	50	636	407	283	159	102	71
DOUBLE SPANS	24	50	627	401	348	157	100	70
THREE OR MORE SPANS	24	50	784	502	358	196	125	87
SINGLE SPAN	26	80	545	349	242	136	87	61
DOUBLE SPANS	26	80	514	329	229	129	82	57
THREE OR MORE SPANS	26	80	643	411	286	161	103	71

TAYLOR METAL PRODUCTS

Material Specifications

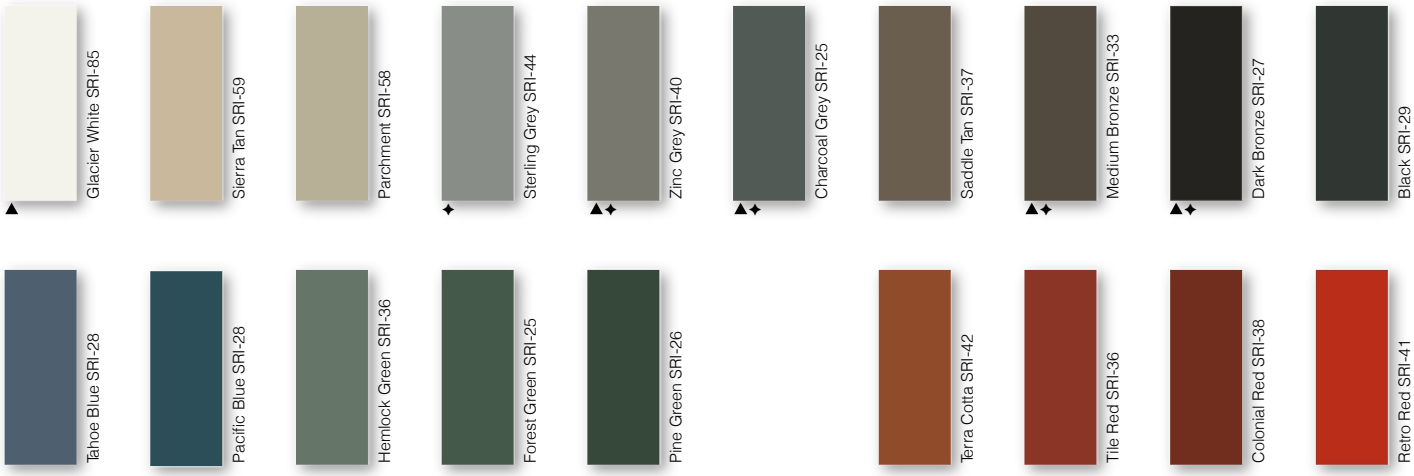
- 26 gauge ArmorTech™ Painted Steel .019˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ▲22 gauge Kynar 500 Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 26, 24 & 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ✦ .032 Kynar 500® Painted Aluminum
- 22 gauge Rusteel™ (Cold-Rolled)
- 22 gauge Rusteel Plus™ (A606)
- 24 gauge Bonderized (G-90)
- Kynar® and substrate testing data available *(See website)*

STANDARD Cool ARMOR TECH™ SMP Colors

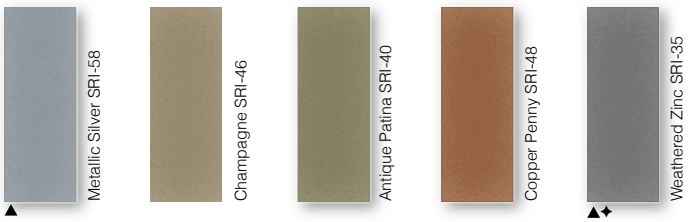
40-Year Residential Manufacturer's Limited Warranty

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

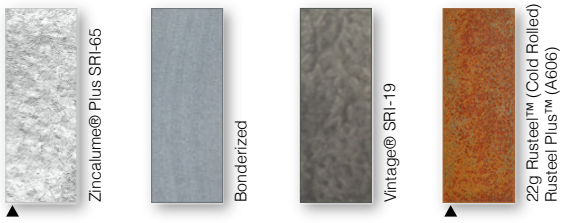
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar® 500® 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.

"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection. SRI = Solar Reflection Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

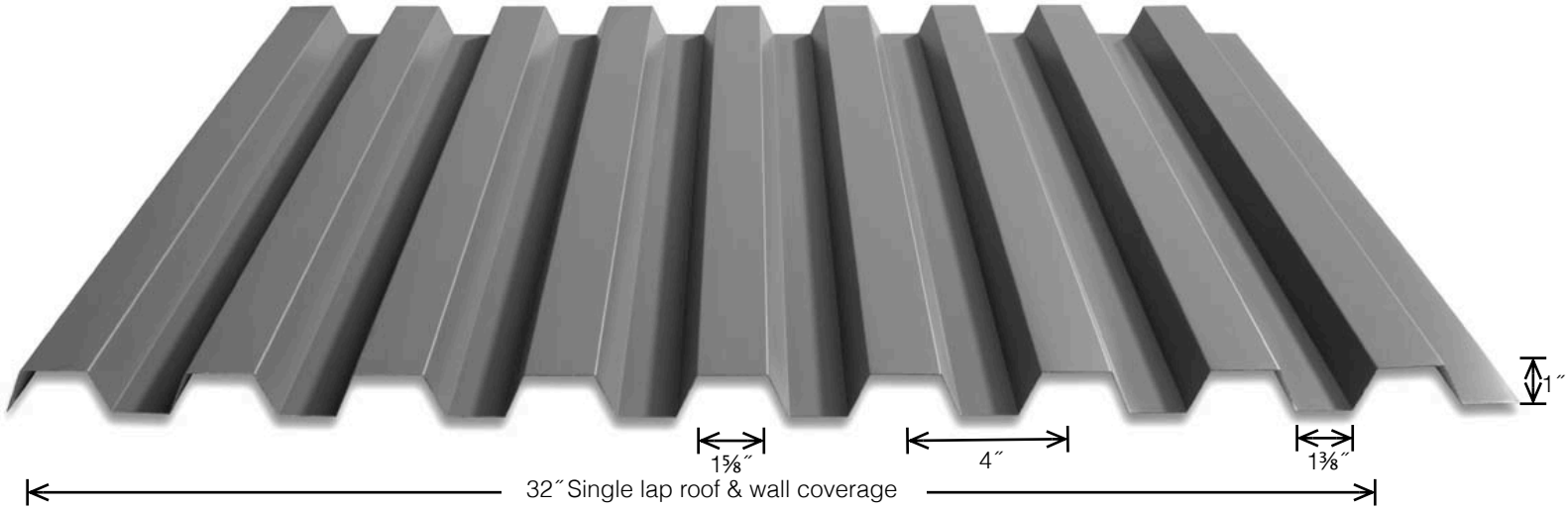
Standard Panels			
Gauge	Color	LBS SQFT	LBS LF
26	ArmorTech	1.02	2.92
24	Kynar	1.2	3.45
22	▲	1.51	4.33
.032 Alum	✦	.56	1.62

steelscape

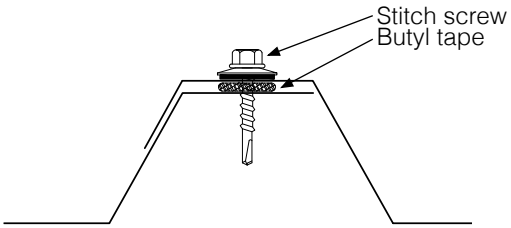
8-16

TAYLOR METAL PRODUCTS

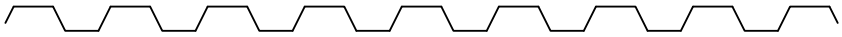
4.0 Rib
ROOF AND WALL



Lap Detail



4.0 Rib — **Color this side**



4.0 Rib Reversed — **Color this side**

Key Features

- 24 and 22 gauge Tru-Gauge™
- ASTM 283, 330, 331, 653 and 792
- Structural Panel that will span up to 5'
- Recommended minimum pitch 3:12
- Custom lengths 5' to 21'
- Panel is available in a wide variety of “Cool” baked on Kynar® colors. Rusteel™ (cold rolled) or Rusteel Plus™ (A606) and Bonderized
- Easy-to-order standard and custom made trim and accessory packages available for specific project needs
- Color matched Neoprene Washered screws
- Long length flashings available up to 21'

Allowable Live Load in PSF			Span in feet					
SPAN TYPE	GAUGE	KSI	2'	2' 6"	3'	4'	5'	6'
SINGLE SPAN	22	50	806	516	358	202	129	90
DOUBLE SPAN	22	50	806	516	385	202	129	90
THREE OR MORE	22	50	1008	645	448	252	161	112
SINGLE SPAN	24	50	636	407	283	159	102	71
DOUBLE SPAN	24	50	627	401	348	157	100	70
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DOUBLE SPAN	26	80	514	329	229	129	82	57
THREE OR MORE	26	80	643	411	286	161	103	71

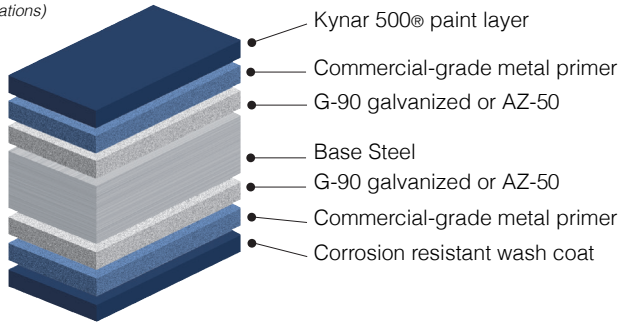
TAYLOR METAL PRODUCTS

Material Specifications

- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 & 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 22 gauge Rusteel™ (Cold Rolled)
- 22 gauge Rusteel Plus™ (A606)
- 24 gauge Bonderized G-90
- Kynar® and substrate testing data available *(See website)*

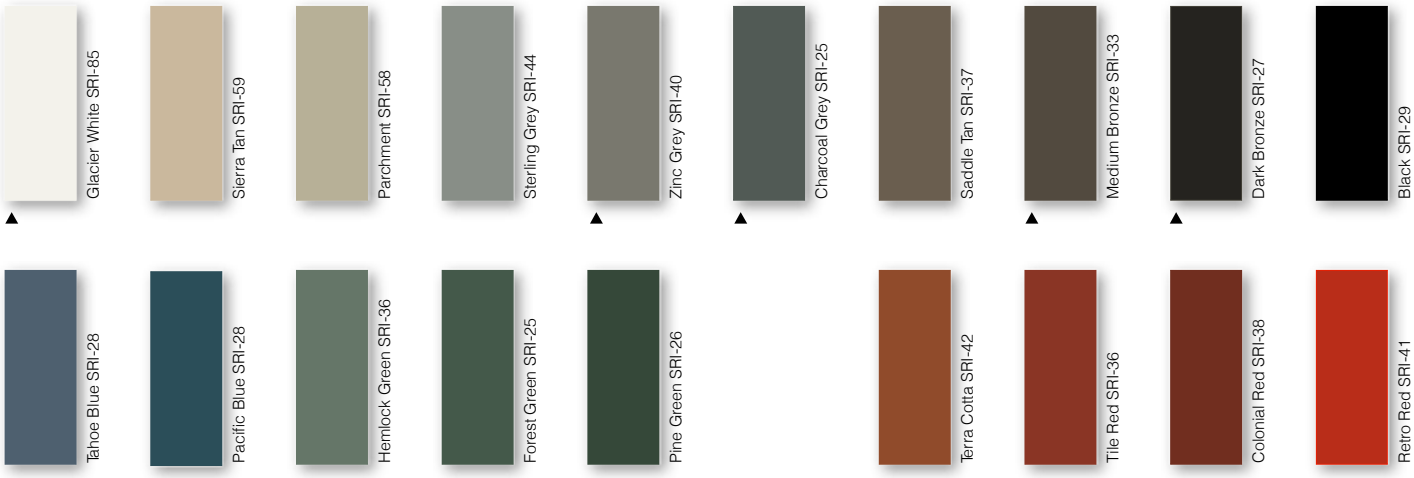
Key Features

- 19 Standard Colors, 2 Metallic Colors and 4 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)*

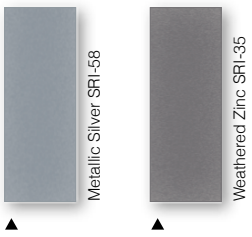


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

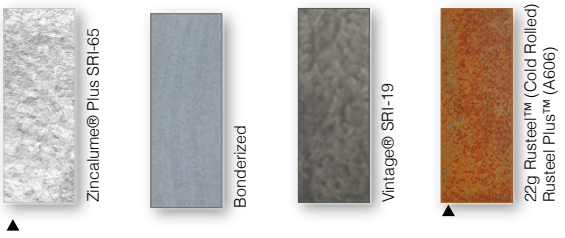
Standard Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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
*****Oil canning is not a cause for material rejection*****

Standard Panels			
Gauge	Color	LBS SQFT	LBS LF
24	All	1.35	3.62
22	▲	1.71	4.55

steelscape PPG ENERGY STAR CRRC COOL ROOF RATING COUNCIL MEMBER

TAYLOR METAL PRODUCTS

Accessories & Tools

FASTENERS

Panel Screws

Panhead Screws Phillips 1 Inch	bag 250
Waferhead Screws Phillips 1 inch	bag 250

Trim Screws

3/4 inch Woodfast (stitch)	bag 250
3/4 inch #12 Stitch Galvanized	bag 250
1 inch Woodfast	bag 250
1 inch Woodfast Galvanized	bag 250
1 inch Woodfast Stainless Steel	bag 250
1-1/2 in Woodfast	bag 250
1-1/2 inch Woodfast Galvanized	bag 250
1 inch #14 Type S	bag 250
1 inch #14 Type S Galvanized	bag 250

Tek Screws

Lathead Tek Point 9/16 inch	bag 250
7/8" #14 Lap Tek Hex Head Stitch Colored	bag 250
1" #12 Tek Hex Head Screw Colored	bag 250
1-1/2" #12 Tek Hex Head Screw Colored	bag 250
1" #10 Pancake Head Self Driller Screw	bag 250
1" #12 Tek Screw Hex Head No Washer	bag 250
1-1/2" #12 Tek Screw Hex Head No Washer	bag 250

Misc.

Lathead Sharp Point 9/16 inch	bag 250
#42 Pop Rivets	bag 100
1 inch Brass Pancake Head	bag 100
1 inch Brass Woodfast	bag 100

CLIPS

Curved T-Panel Clip	each
Versa Span Clip	each
Clip Lock Clip	each
MS200 Fixed 2" High Clip	each
MS200 Fixed 2-3/8" High Clip	each
MS200 Floating 2" High Clip	each
MS200 Floating 2-3/8" High Clip	each
MS200 Floating 3-1/2" High Clip	each

Caulk & Butyl

Butyl Tape 1/8" x 3/4" x 30'▪	per roll
Flex Seal Caulking	per tube
Discount for case of 12	
Sika Flex Caulking	per tube
Butyl Caulk Non -Skinning	per tube

Pipe Flashings

Standard

#1 - 1/4" - 2"	each
#2 - 1-3/4"-3-1/4"	each
#3 - 1/4"-4"	each
#4 - 3-6"	each
#5 - 4-7"	each
#6 - 5-9"	each
#7 6-11"	each
#8 - 7-13"	each
#9 - 10-18"	each

High Temp

#4 - 3-6"	each
#6 - 5-9"	each
#8 - 7-13"	each
#9 - 10-18"	each

Retrofit Dektite

Small - 3/4"-2-3/4"	each
Medium - 2"-7-1/4"	each
Large - 3-1/4"-10"	each

Closures

T-3 Inside Closures (3 feet)	each
T-3 Outside Closures (3 feet)	each
Easy-Lock Closure (3 feet)	each
Easy-Lock Closure Vented (3 feet)	each
Tuff Rib, GR7, PBR, Corrugated	

Misc.

Polycarbonate (for T-3, Tuff Rib & PBR)	
85% Light or Clear	per lin ft
Fiberglass Skylite (For Exposed Fastener)	
White or Clear	per lin ft
Fiberglass Screen 8" x 100'	per roll
Notching Tool	each
Upending Tools	
1/2", 1" or 1-1/2"	each
Paint	
16oz Spray Can	per can
2oz Paint Bottle	per bottle
Underlayment	
10sq roll of Palisades	roll
Dura Skrim (20' x 100')	roll
2sq roll of Ice & Water	roll

Prices & Specifications Subject to Change Without Notice

6 – Installation Guides

Easy-Lock™ STANDING SEAM

INSTALLATION INSTRUCTIONS

TAYLOR METAL PRODUCTS

3796 Turner Rd. SE, Salem, OR 97302

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

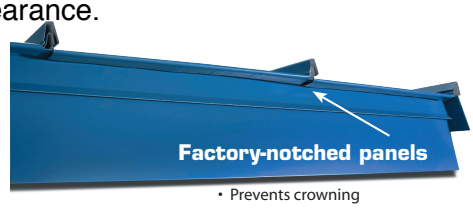
www.taylormetal.com

Rev. 8/16

TAYLOR METAL PRODUCTS

Easy-Lock™ STANDING SEAM

The Easy-Lock ™ Standing Seam is the only metal roofing panel with a patented no-siphon dry lock seam, with a unique reversing feature to allow installation of panels from both directions starting at any location. The panel is designed with softer, less industrial lines to provide an architecturally pleasing appearance.



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

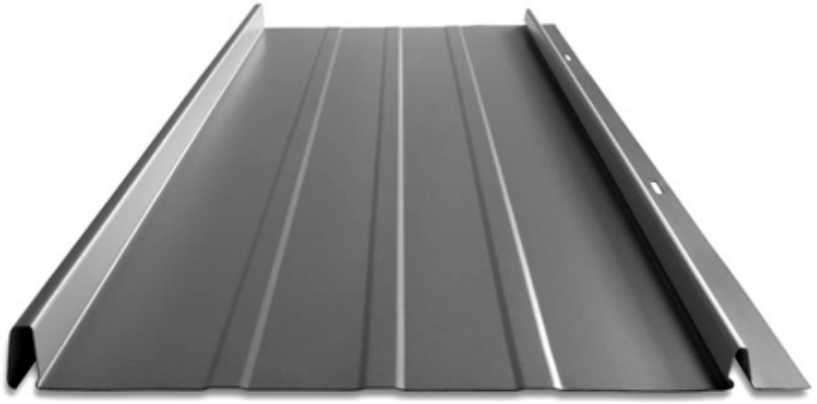
Key Features

- 12˝, 16˝ and 18˝ coverage options
- 26, 24 & 22 gauge Tru-Gauge™, .032 Aluminum and 24 gauge Bonderized (G-90)
- 16 & 20 oz. Copper *please inquire*
- Factory-notched panels available
- Vertical interlocking application: allows installation from both directions starting at any location
- Patented no-siphon lock seam
- 1⅛˝ vertical rib with ⅜˝ flat top for ease of flashing attachment
- Concealed fasteners: fasteners cannot leak
- Pre-slotted fastener flange: allows expansion/contraction of panel
- UL - Code compliance UL Evaluation Report UL ER 25913-01
- UL580 Class 90 wind uplift, UL Class A fire rated
- UL Contruction No. 529
- 3:12 minimum pitch recommended: for lower pitches please inquire
- Standard panel lengths 2' to 35': for longer panels, please inquire
- Pan options: Flat pan, Accent ribs, Striations

Panel Profiles

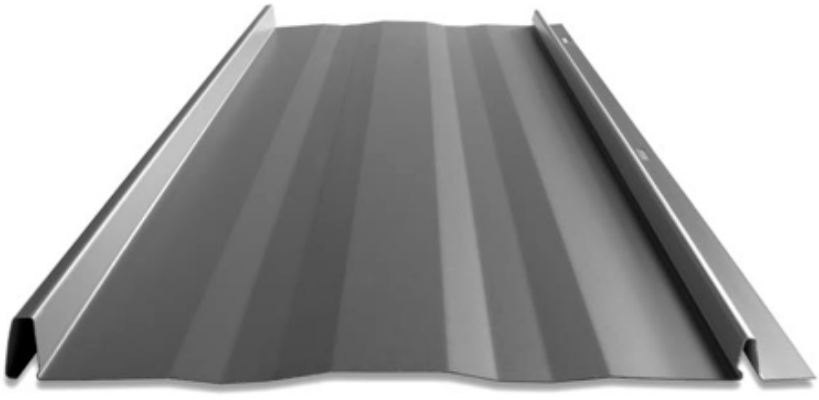
Flat Pan

12˝ ,16˝ and 18˝ coverage options



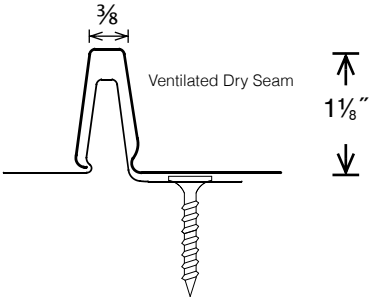
Accent Ribs

3 Accent ribs for 12˝ panel
4 Accent ribs for 16˝ & 18˝ panel

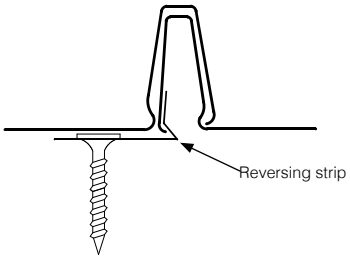


Striated

Lock Seam Detail



Reverse Lap Detail



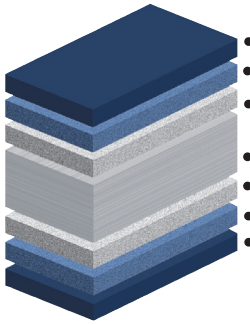
TAYLOR METAL PRODUCTS

Material Specifications

- 26 gauge Kynar 500® Painted Steel
  .019˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 24 gauge Kynar 500® Painted Steel
  .0236˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 24 & 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲22 gauge Kynar 500® Painted Steel
  .029˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 22 gauge Rusteel™ (cold-rolled)
- 22 gauge Rusteel Plus™ (A606)
- 24 gauge Bonderized (G-90)
- 16 and 20 ounce Copper *please inquire*
- Kynar and substrate testing data available
  (See website)

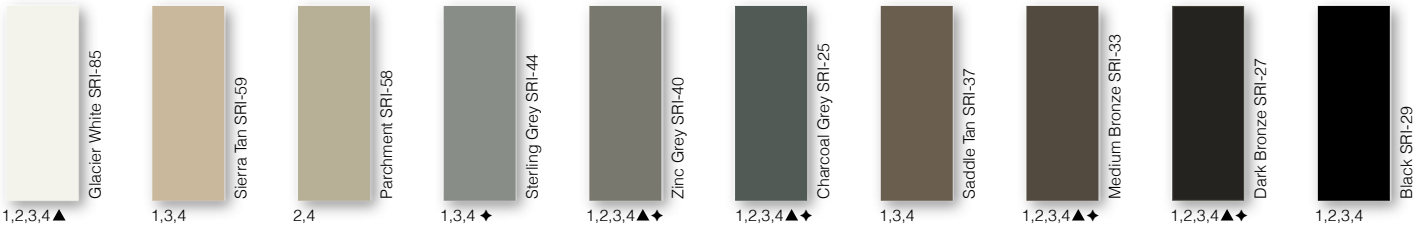
Key Features

- 20 Standard Color, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)

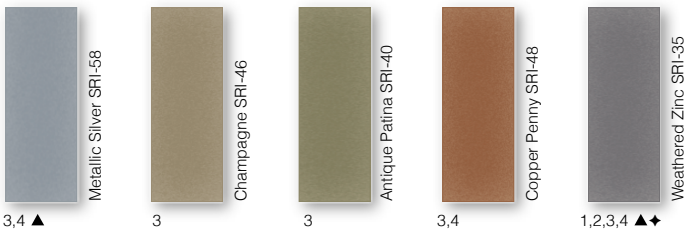


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

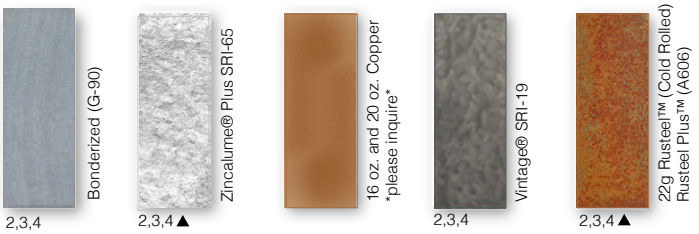
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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
"Oil Canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

steelscape

(Inquire for other panel sizes)

Standard Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
12˝	26	1	1.13	1.13
12˝	24	2	1.33	1.33
16˝	24	3	1.24	1.65
18˝	24	4	1.21	1.82
16˝	.032	✦	.58	.78
16˝	22	▲	2.07	2.75

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Introduction 1
Delivery and Will Call 2
Handling and Storage 3
Tools 4
Fasteners 5
Roof Preparation 6
Roof Layout 7
Reversing Strip 9
Panel Preparation 10
Panel Installation 11

FLASHINGS

SR Reversing Strip 9
ES Eave Standard 12
EH Eave Hook 12
ELP Eave Low Pitch 12
VF Valley Flashing 13
VFW Wide Valley Flashing 13
GS Gable Standard 14
GC Gable Compensating 14
PF Prow Flashing 15
PCI Pitch Change Inside 16
PCO Pitch Change Outside 17
PCM Pitch Change Major 17
SW Sidewall 18
EW Endwall 19
EWV Endwall-Vented 20
HS Hip Standard (Unvented) 21
HFV Hip Full Vented 22
HHV Hip Half Vented 22
HVV Hip Venturi Vented 22
RPV Ridge Perforated Vent 24
RF Ridge Finial 23
RS Ridge Standard 24
RHV Ridge Half Vented 24
RVV Ridge Venturi Vented 24
REC Ridge End Cap 25
Skylight/Chimney 26

Taylor Metal Products, Inc. Easy Lock™ Standing Seam roofing product is designed for residential and light commercial applications, however it is not limited to these uses.

The Easy Lock™ Standing Seam concealed fastener roofing system is an architectural roofing system and is designed to be weather tight, attractive, easy to install and to provide long life.

These installation instructions are intended to offer suggested application procedures for common building construction. No attempt is made to provide installation details for every application or possible use.

Please contact Taylor Metal Products for use of custom flashing details as they pertain to specific conditions or to discuss a specific project.

Conformity to local building codes, details for specific applications, and use of safety and health procedures is the sole responsibility of the installer.

Taylor Metal Products, Inc. assumes no liability for the improper installation of the Easy-Lock™ panel nor for any personal injury or property damage that may occur with the product's use.

Oil Canning – All light gauge metals can display waviness often referred to as "oil canning." This is caused by steel mill tolerances, substrate variation and relative reflectivity. "Oil canning" is an inherent characteristic of steel products, not a defect, and is not a cause for material rejection.

Delivery and Will Call

Delivery Policy

Taylor Metal Products, Inc. delivers using diesel trucks with 5th wheel flat bed trailers. Overall combined length can be as long as 65 feet. Our fleet includes trucks, with and without knuckle cranes, and a variety of trailer sizes to assist in deliveries. We will make every effort to accommodate requests for a specific delivery mechanism, but we can not guarantee availability of specific resources.

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.
- Any balance owing on C.O.D invoices.
- Providing adequate resources (1-4 people as needed) for off-loading materials.
- $35 per half hour charge if delivery takes longer than one-hour.

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 failure, road closures, etc. which may affect our schedule.

Will Call and Loading Policies

Flat bed 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.

> Examples are: 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.) We do offer a delivery service at reasonable rates to accommodate the customer who needs the materials delivered to an accessible job-site.

Please see our delivery pricing pages for more information.

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 TMP within 48 hours of delivery.

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 TMP 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 the panels. Elevate one end of bundles to allow drainage of wet materials.

Painted metal roofing panels will have a clear plastic film applied to the lower rib of the panel to protect the seam during transportation and handling. Flashing and flat sheet may have a plastic film for protection. Remove this film prior to installation of the panels. Products with film should not be stored in direct sunlight, and should not be left in hot weather for long periods.

Wear clean cotton gloves when handling copper or unpainted Galvalume to avoid leaving fingerprints and smudges. While finger-prints or smudges will not harm the material, they will temporarily leave markings on the material until the material weathers.

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.

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.

Tools

The following tools may be used for proper installation.

- Screw Gun: Clutch type, variable torque, cordless screw guns will give the best results.
  - Extra batteries
  - Bit holder - magnetic
  - #2 square drive bits (for panel screws)
  - 1/4" Hex head - magnetic - bit driver (for woodfast flashing screws)
  - 1/8" drill bit (for rivets & pre-drilling fastener holes)
  - Belt & holster (keeps all the above tools safely on your hip)

- Cutting Tools:
  - Cutters/Offset (curved jaw) left & right (for precision cutting, long cuts
  - Snips (straight jaw) left & right (for short cuts & circular cuts)
  - Hack Saw - 32 TPI Blade (provides best results for cutting roll-formed ribs on panels)
  - Circular & Sabre saws (with metal cutting blades speeds up panel cutting but leaves very rough edges and burrs paint)
  - CAUTION: POWER SAWS MAY CAUSE PANEL DAMAGE!
  - Electric Shears (aids in long panel rips)
  - DeBurring Tool

  WARNING - Filings, debris and chips must be wiped off panels, otherwise rust will develop!

- Hole Punch (for pre-punching holes in metal)

- Rubber Mallet - Soft Type (for adjusting panels & flashings)

- Quick Square, Framing Square & Bevel Square (aids in squaring flashings & panels)

- Duck Bill Vise Grips/Pliers (for various bending)

- Upender Tools (used for panel-prep, available at TMP)

- Tape Measures - 16' for most work - larger sizes for larger surface & panel measurements

- Rivet Tool (for riveting flashings)

- Marking pen or grease pencil

- Chalk Line (for marking long panel rips and to align panels)

- Protective gloves to protect hands

- Cotton gloves for working with copper (to protect against fingerprints on finish)

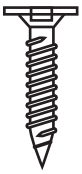
Fastening Frequency

TMP panels have a slotted screw flange with slots about every 12". TMP recommends placing a fastener in the center of each slot for the best wind resistance. (Note: Slots are not in identical locations on each panel.) Fasteners should be of sufficient length to penetrate the sheathing fully or into solid lumber 1".
Screw down panels firmly but do not over tighten. On those occasions where you cannot use the slot, fasten through the flange of the panel. Screw spacing when not using the slots is:

- 10" to 12" for 3/8" plywood (note- 3/8" plywood is not recommended)
- 12" to 14" for 1/2" plywood
- 18" to 20" for 5/8" plywood
- 24" for solid decking

Fasteners

TMP recommends the following fasteners for 26ga and 24ga galvanized steel Easy-Lock Standing seam, Pacific Pattern and T-Panel.



Waferhead, Sharp point

Sizes:

#9-16 x 1" #2 Phillips Drive (also available in #2 Square Drive)

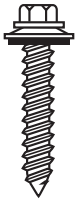
#9-16 x 1-1/2" #2 Square Drive

Waferhead screws are recommended for attacching the panels to a wood deck or substrate. They are concealed fasteners and made of carbon steel coated with Zinc and an Oxyseal/Xylon Coating for long life.

Lathhead Screws, Sharp Point

Size: #6 x 9/16"

Lathhead screws are used to attach the panels to the wood deck. While generally not recommended for most applications, this concealed fastener is useful for areas where a longer fastener will penetrate the substrate and exhibit an objectionable appearance, such as exposed overhangs. The pull out rating for this fastener is less than the waferhead, so these fasteners need to be placed more often.



Woodfast, Sharp Point

Sizes:

#9-16 x I" 1/4" Hex Drive- Color Match

#9-16 X 1-1/2" 1/4" Hex Drive- Color Match

Woodfast screws are recommended for attaching metal to wood in some cases metal to metal. They are exposed fasteners made of carbon steel, coated with Zinc and an Oxyseal/Xylon Coating for long life.

Stitch Screw, Sharp Point

size #12 x ¾" ¼" Hex Drive-Color Match

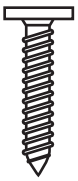
Stitch screws are used to attach metal to metal such as lap joints in flashing. They can be used interchangeably with rivets. They are exposed fasteners.

Rivets

#42 or #44 (1/8" x 1/8") Stainless Steel rivet- color matched or non-painted

Rivets are used to attach metal to metal such as lap joints in flashing.

TMP recommends the following fasteners for use with copper:

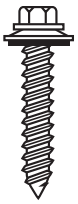


Pancake Head, Sharp Point

(Silicon Bronze)

Size: #10 x I" #2 Phillips Head-natural finish

The Silicon Bronze fasteners are used with copper roofing panels to prevent reactions between unlike metals. The pancake head is used for panel attachment, and is a concealed fastener.



Woodfast, Sharp Point

(Silicon Bronze)

Size: #10 x I" 1/4" Hex head -Natural finish

The Silicon Bronze fasteners are used for metal to wood applications, typically for the attachment of flashings. They are exposed fasteners.

Rivets

(copper rivet/brass mandrel)

Size: #42 or #44 1/8" x 1/8"

Rivets are used to join metal to metal such as lap joints in flashings.

Roof Preparation

New Construction:

Taylor Metal Products Easy Lock Standing Seam™ roofing products can be installed for either new or re-roofing applications.

We recommend installing the Easy Lock Standing Seam™ over a rigid continuous substrate such as plywood sheathing or decking. We recommend that the plywood be 1/2" or thicker. The product can also be applied over space sheathing at no greater than 24" on center. For best results the substrate should be smooth, flat and free of debris.

Cover the entire roof area with 301b ASTM rated felt paper. Apply the felt by rolling it out horizontally across the roof starting at the eave. Allow a 3" over lap for each course.

Lap end joints 6". Maintain the rule of keeping uphill courses lapped on top of downhill courses of felt. Tears and cuts should be replaced with new felt or repaired with roofing lap cement.

To prevent bonding between the copper and roofing felt, a layer of smooth building paper or a rosin sized slip sheet should be laid over the felt before installing the copper roofing.

Re-Roofing:

The Easy Lock Standing Seam™ can be installed with felt over most existing asphalt, composition, fiberglass shingles or rolled roofing. Tile, gravel, wood shingles/shake, metal or any other type of roofing material should be removed to the bare sheathing. Inspect the substrate for damage or rot and replace sheathing as necessary. Apply the underlayment as described above.
Consider the following when installing the metal roofing over existing roofing materials:

- Building Codes: Local building codes will typically limit the number of layers of roofing allowed. Check with your agency.

- Solid Fastening: Check the condition of the substrate. Damaged or rotted plywood or decking will not provide for secure fastening. Repair or replace damaged or rotted substrates.

- Appearance: Irregular substrates may affect the overall appearance of the metal roofing product. Panel deformation may occur, however, product integrity will not be affected.

- Roof surface: Any warped or loose shingles must be nailed down along with any protruding nail heads. Remove all moss and other debris, including existing starter strips. Cut off all overhanging shingles and remove hip and ridge caps.

- Ventilation: Trapped moisture can cause premature failure of the metal roofing product as well as substrate, insulation etc. Provide adequate ventilation and appropriate moisture protection.

Ventilation

Proper ventilation is necessary for full roof life. Check local codes for venting requirements.

To provide for ridge and/or hip ventilation, remove (for retrofit) or leave out (for new construction) 2" of sheathing on both sides of the ridge center. Cover opening with flyscreen and secure the flyscreen with staples. Apply felt paper up to the edge of opening as explained in "Underlayment" section.

Insulation

Taylor Metal Products recommends allowing ventilation between the outer roof deck and the insulation. Lack of ventilation may trap moisture. The rib of the panel is not a source of ventilation for the area beneath the roofing panels. Check with your design professional or insulation consultant for applications or design details. Also check local building codes to ensure compliance.

Touch-Up Paint

Most of the time touch-up paint is supplied in spray cans. Spray cans are useful for painting large areas such as downspouts, pipe flashings, and other pre-existing areas.

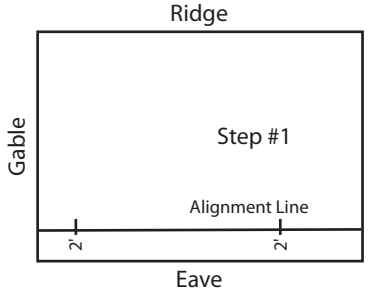
Scratches and scuffs in the finish should be touched-up but not sprayed. The paint should be well mixed and sprayed into a small container, then applied to scratches with a very fine brush or toothpick, just filling in the scratch. If the area is sprayed over, the differences in the chemical makeup will likely cause the touch-up paint to fade differently than the baked-on finish and cause a blotchy appearance over time.

It is important to get the roofing panels installed straight and you can't always depend on the gable/rake edge to be straight. After the underlayment has been applied you must now lay out an alignment line at the gable edge to align your first panel. You can use either of the following methods to check the gable edge to ensure the first panel gets started straight.

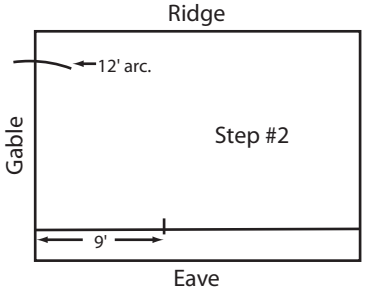
1: 3-4-5 triangle method

The first method utilizes the 3-4-5 triangle method. After the underlayment has been applied, you must now lay out a grid line along the gable edge to align your first panel. Here we are using a 3-4-5 triangle in increments of 9'-12'-15'(e.g. 3x3=9, 3x4=12, 3x5=15). For longer panels use larger multipliers (5x3=15, 5x4=20, 5x5=25).

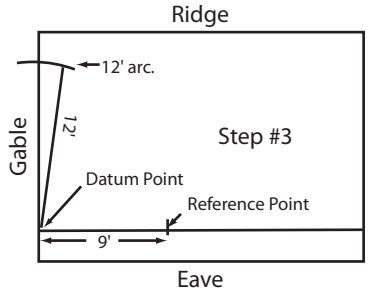
Step 1: Snap an alignment line 2 feet from the eave.



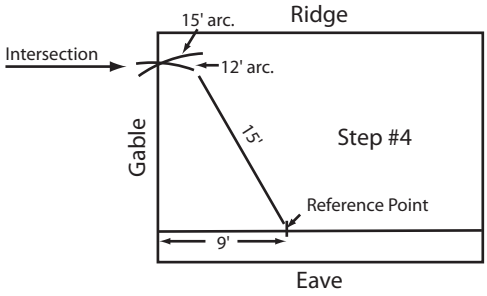
Step 2: Start from a point (datum) on the alignment line 1/4" to 1/2" from the left (or right depending on which edge you're starting from). Establish a 12' arc from datum point.



Step 3: Measure 9 feet from the datum point along the alignment line and establish a reference point there



Step 4: From the reference point make a 15-foot arc to intersect the 12-foot arc. Snap a chalk line from the intersection point to the datum point. You now have a straight edge to align your first panel along the gable.

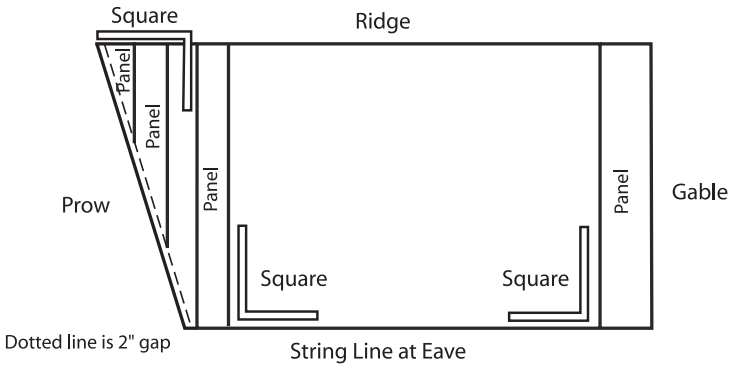


Step 5: If you have valleys: Since your underlayment will cover the true center line of your valleys, snap lines at these areas for aligning valley flashings.

#2: Framing Square method

The second method utilizes a framing square. Begin by stretching a string line from corner to corner at the eave edge. After the eave flashings are installed, lay down your first panel and square it at the eave using a framing square along the screw flange edge of the panel and squaring to the string line. Once square, secure alignment panel by putting one panel screw in at the bottom and at the top. If a gable roof, check for the gable side of the pan to be no more than 3/8" off square. The standard gable flashing will compensate up to 3/8". If more than 3/8", a compensating gable flashing will need to be used. Another method is to rip the first panel at the correct angle and to up-end the ripped edge 1" at 90 degrees and use the standard gable flashing. It may be required to rip the last panel. For extreme out of square conditions, consider using a Prow Flashing.

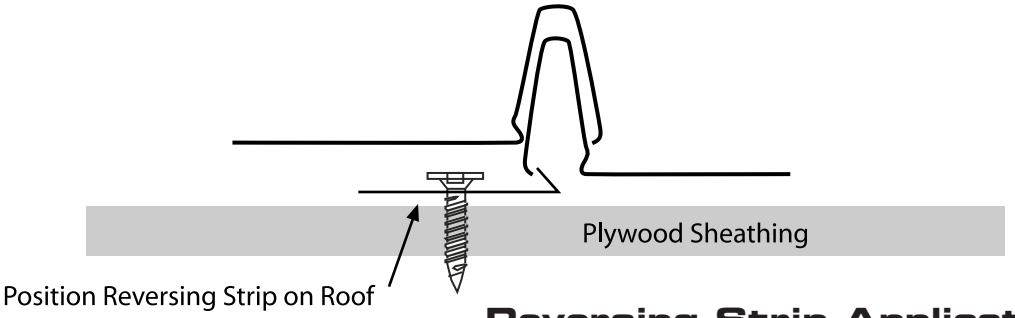
For a Prow roof, use the same procedure above to square the first panel. Go to the top and measure the distance from the prow side of the first full panel to the top of the prow edge. (the prow flashing should be installed first. Allow for 2" between the prow pan up-leg and the rib of the first full panel). For example: If your measurement was 3' – Make a pencil mark on the framing square for this measurement. It is critical to maintain and square with the eave. Snap a chalk line from the top mark to the bottom mark. This will be the actual line you will set your first prow panel on. Also, it will give you the angle required to rip your first, second and third prow panels. Install the first two prow panels and remove the first full-length panel before installing the third prow panel. If you're accurate on your squaring, cuts and alignment, your first full-length panel will be square to the eave line.



Hip Roofs

Hip roofs present some challenges to panel alignment. The easiest method of aligning panels on a hip roof is to start in the center of the roof area and use the "Reversing Strip" (see page 10) to install the panels starting at center and installing panels in both directions (left & right). Use either method of panel alignment to be sure the panels are straight and centered. Position the reversing strip at the center point and fasten into place. Then install the panels as indicated. Incidentally, you can also start the panels at center on a gable roof and work both directions.

Alternately you can align panels on a hip roof by starting with a longer panel (5' to 7') in length. Place the panel in the appropriate spot (usually 5' to 7') from the left or the right and use either method of aligning the panels to get a straight line to work from. Install this panel, and then work back to install the shorter panels and then the rest of the panels as usual.



SR Reversing Strip

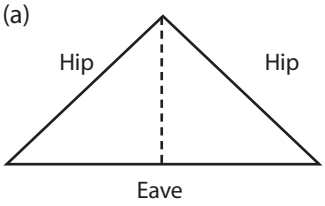
The reversing strip allows the Easy Lock standing seam panels to be installed working both left and right. The reversing strip is most commonly used on hip roof applications although it can be used on other roof styles.

Caution: We do not recommend reversing panels on the same pitch when using metallic colors (i.e. weathered zinc or copper penny) or galvalume. The paint/coating will reflect differently when the panels are reversed and could look like a different color.

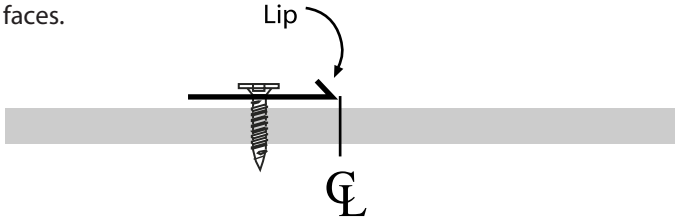
Reversing Strip Application

- Locate the center of the roof section you are working on. Use 3-4-5 Triangle or Framing Square Method. Snap a straight line on the mark perpendicular to the eave line. It is important that the line is straight, so that the panels will be straight. See (a)

(a)

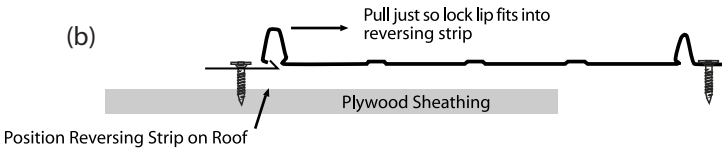


Position the turned edge of the reversing strip along the center-line and fasten to the sheathing every 18" to 24" with a waferhead screw. It won't matter which direction the strip faces.

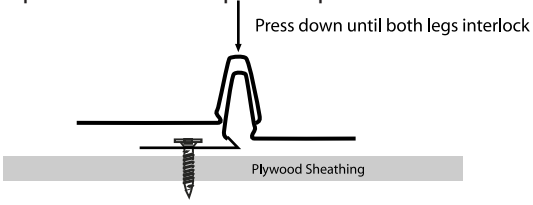


2. Place a panel of the appropriate length on the roof and hook the lock lip of the panel (located on the upper/female rib) to the lip of the reversing strip. See (b)
Pull the panel so it fits tightly into reversing strip and fasten the panel to the sheathing with waferhead screws.

(b)



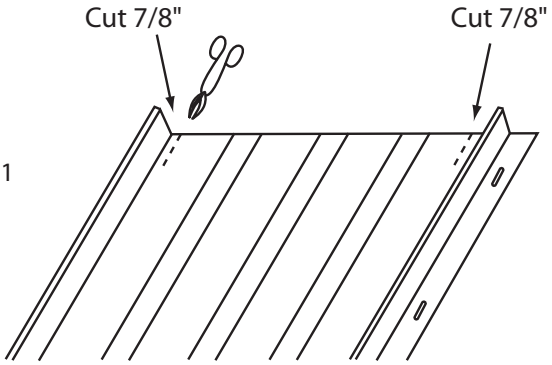
3. Position the next panel so that the female rib is over the female rib of the previous panel laying the opposite direction. Press down until the panel is locked onto the previous panel. Fasten that panel in place.



Top of Panel – Upend

To up-end panels, snip the pan 7/8" beside the female rib, and 7/8" at 1/4" from the inside of the male leg. The up-end tool makes an accurate marking template. After snipping 7/8" cuts, place up-end tool into pan and bend up to just over 90 degrees. The up-end acts as a baffle. The 1/4" gap at the screw flange allows for clearance to snap in the next panel. You will need to fill the gap at each side of the upended panel with flex seal. (Figure 1)

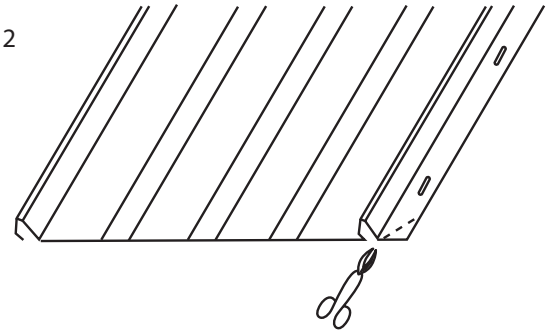
Figure 1



Bottom of Panel

Snip off the corner of the fastening flange approximately 45° for appearance. (Figure 2)

Figure 2



For Low Pitch Applications

Alternate #1

On pitches of less than 3/12, place up-end tool into pan, bend down and under to form an open hem under the pan. This step brings the pan edge below the eave flashing edge which stops any potential wicking or siphoning. (Figure 3)

If using this method, allow for an additional ½" of panel length.

Figure 3

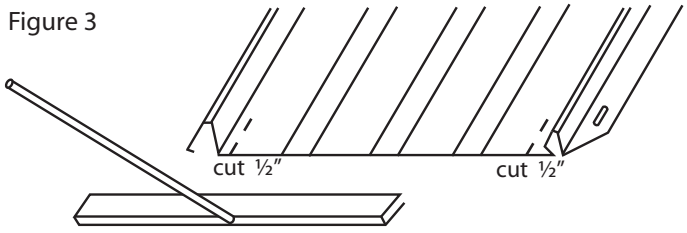
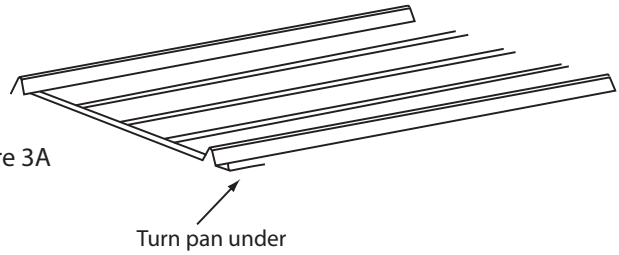


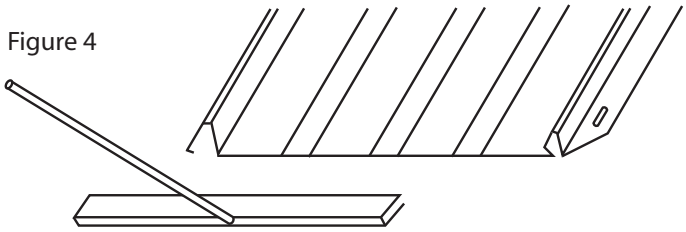
Figure 3A



Alternate #2

On pitches of less than 3/12, use a ½" bending tool or other bending tool and make a 30˚ bend (down) to form a drip edge on the pan of the panel (Figure 4).

Figure 4



Note:
Taylor Metal Products minimum slope recommendation is 3/12 pitch. On projects less than 3/12, contact Taylor Metal Products sales representative with project specifics.

Prior to Panel Installation:

Before you can install the panels you need to install Underlayment (ie. Felt paper), Flyscreen, Eave flashing, Valley Flashing, Prow Gable flashing, and other flashings as conditions apply.

Consider the following before ordering and/or installing roofing panels or flashing.

The roof area will rarely come out to the even foot. If working on a gable roof and the incremental distance from gable end to gable end is 4" or less (i.e. 48' 4") consider using the compensating gable flashing. This flashing is used to compensate up to 2" on either one or both ends of the roof. The beginning panel can be started 2" in for the edge and end 2" for the opposite edge. Although to maintain a visually consistent appearance on each gable end, TMP recommends using compensation gable on both ends, rather than standard gable on one end and compensating gable on the other. Using the compensation gable flashing will keep you from having to cut a narrow panel for one end of the roof and will produce a more appealing visual appearance.

Compensating gable flashing is also useful if the roof is out of square and can take up 2" of top to bottom differential.

If the incremental distance from ridge to eave is greater than 4" then consider using the standard gable flashing. Start the panel on the gable edge, on your alignment line and install the panels normally. When you reach the opposite gable end measure the remaining distance add 1" to that measurement and cut the panel lengthwise at that measurement.

First Panel Installation:

You may install the panels working from left to right or right to left. It is a matter of choice and convenience. Determine which direction the panels are to be installed before preparing the panel.

Align the upper (female) leg of the panels along the alignment line you made along the gable edge. Allow the panel to overhang at the eave edge 1" to 1-1/4". Apply the 1/4" bead of caulking along the eave flashing, position the panel and fasten the panel into place using the waferhead screws. Be certain screw heads are level and flush to the screw flange or they may dent or show through the next panel.

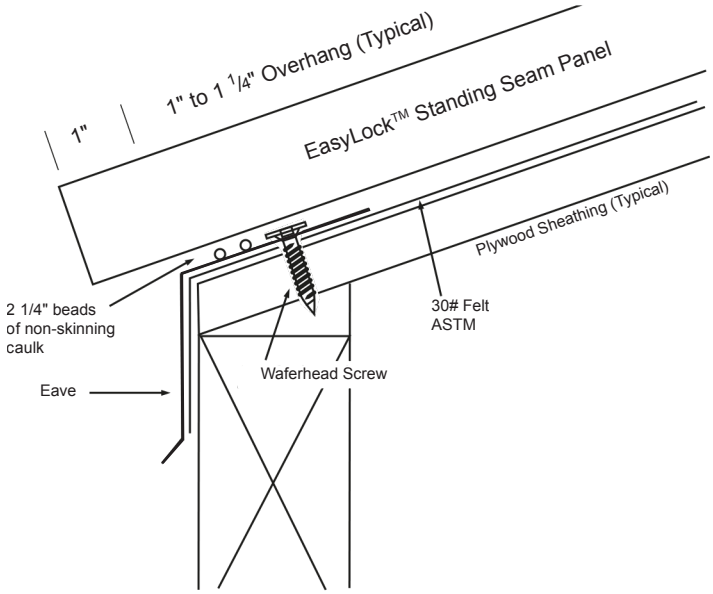
Second and Sucessive Panels:

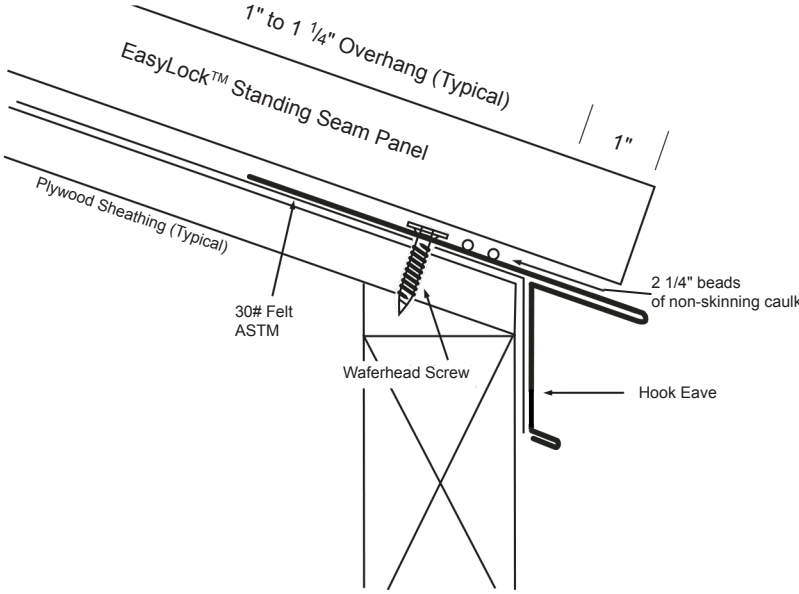
Apply the bead of caulking on the eave flashing (see Eave Section, page 13) and place panels flush along the eave edge maintaining the overhang established on the first panel. Position the female leg of the next panel over the male leg of the panel previously installed and lock the panels into place using light hand pressure, foot pressure or tap in place with a rubber mallet. Lock the panels from the bottom up. When the rib is locked into place and in the proper position, fasten the panel into place with waferhead screws.

Repeat for successive panels.

Note: If panels exceed 40' in length, pin the panels at center by placing 3 to 4 fasteners 1" apart along the screw flange. This process will pin the panels at the center and allow expansion and contraction to occur each direction from the center.

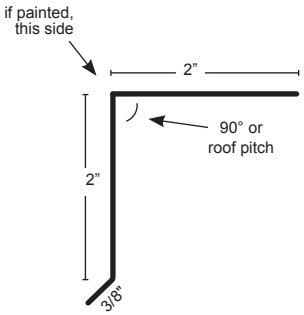
Eave Flashing





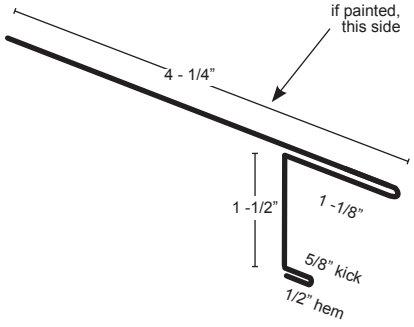
ES Eave Standard

Specify:
- Roof Pitch
- With or without standard drip lip



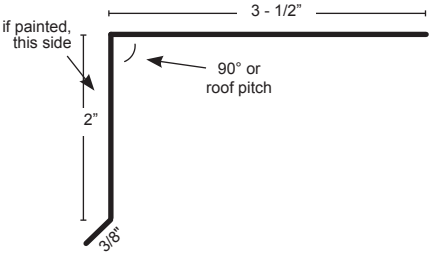
EH Hook Eave

Specify:
- Roof Pitch
- With or without standard hem



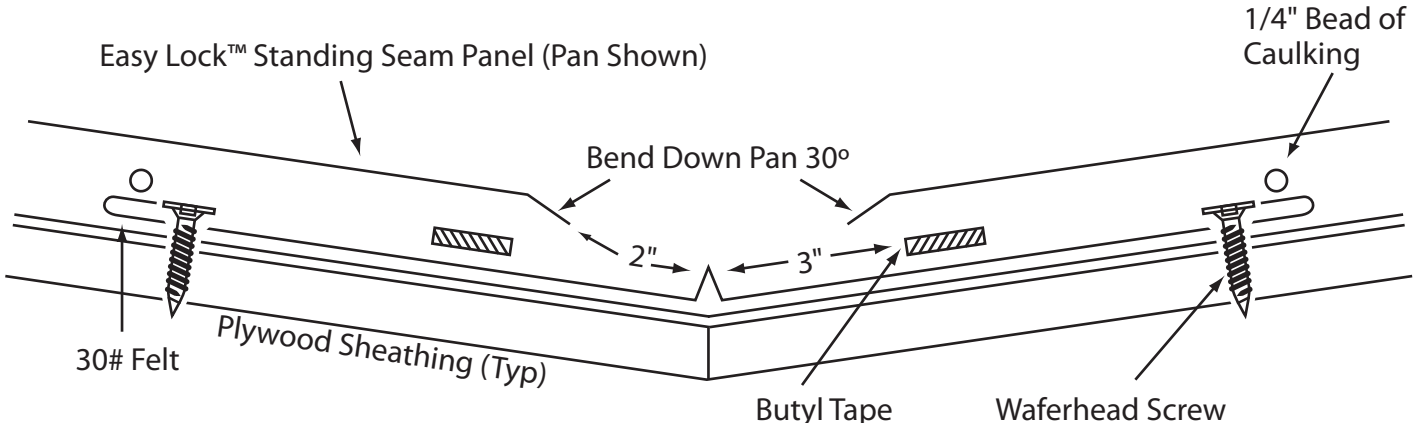
ELP Eave Low Pitch for less than 3/12 Pitch

Specify:
- Roof Pitch
- With or without standard drip lip

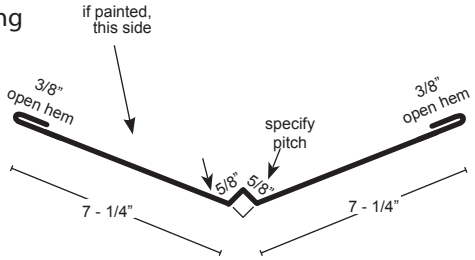


Eave Flashing Application

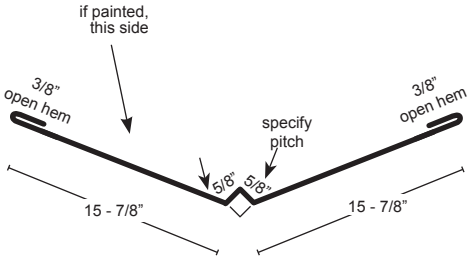
- Install eave flashing prior to panel installation (if gutters are installed you may need to notch out for gutter fasteners)
- Use Waferhead Screws and fasten to substrate 18" to 24" or as needed.
- Allow 1" to 2" lap and apply sealant to overlap.
- Apply 2 1/4" beads of sealant along top leg of eave flashing 1" +/- from outside edge. (You may also use butyl mastic)
- Install fascia leg into the gutter.
- Insulate between dissimilar metals.
- Note: Customize flashing for more or less coverage.
- Note: If you experience panel crowning back bend panels at the bottom of panel or turn down edge.



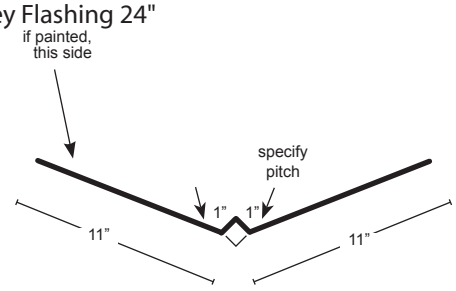
VF Valley Flashing
"W" Valley, Standard



VFW Wide Valley Flashing



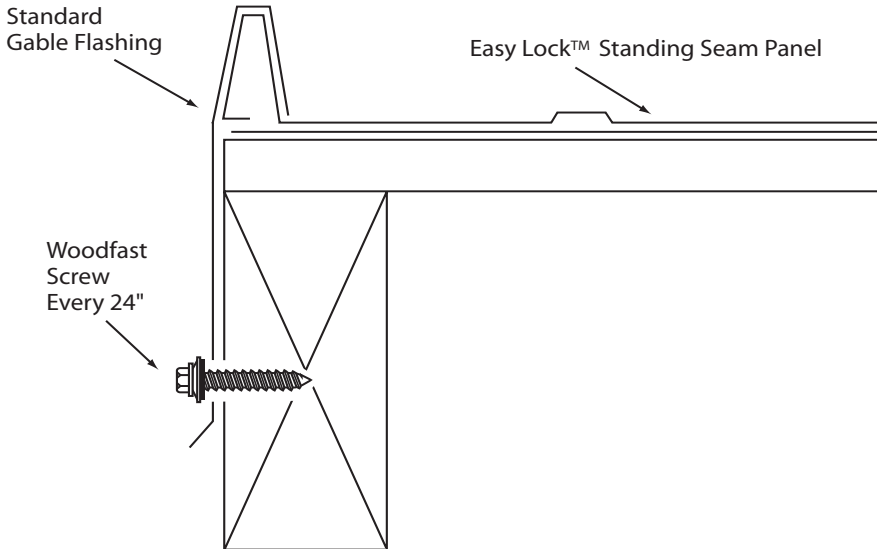
VF24 Valley Flashing 24"



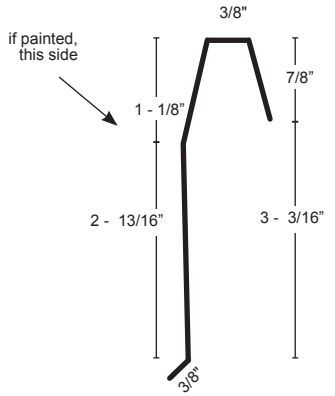
Valley Flashing Application

- Install valley flashing by fastening through the pan as near to the outside edge (near the hem) as possible every 18" to 24" on each side. Cover fastener heads with sealant/caulking.
- Cut the hems 6" back on each side of the next valley flashing. Apply three 1/4" beads of caulking between the valley pans.
- Form valley flashing over the ridge as necessary.
- Trim panels for angle of valley 2" from the valley center point. ***Remove any burrs from cut edge of panels and use a damp cloth to wipe any filings from the panel.*** If the panels crown (pan of panel raising up) backbend panel or use the 1/2" up- ending tool and either bend the panel end down 30 degrees or turn the 1/2" under, forming a hemmed edge.
- Apply butyl mastic tape or a 1/4" bead of sealant/caulking, 3" from the center of valley. ***If using a wide valley, the panels will be set farther from the center of the valley pan, place butyl tape so it is I" from end of panel.*** Apply a bead of sealant/caulking on top of the hems of the valley flashing.
- Install panels being sure to fasten panels through fastening flange into substrate, as close as possible to hemmed edge of valley flashing. Do not penetrate the valley flashing.
- ***Heavy snow conditions require a wider valley pan. Leave more space between the end of the panels and the valley center line.***
- Consider using wide valley flashings for low pitch roofs.

Gable Flashing



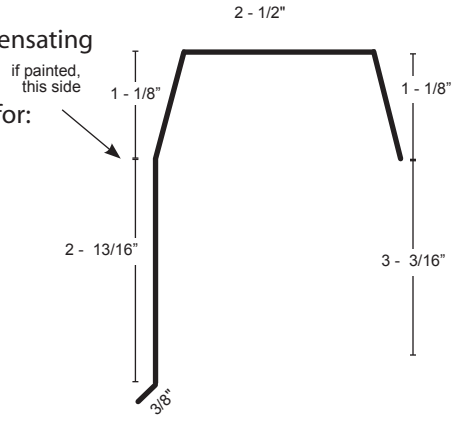
GS Gable Standard



GC Gable Compensating

Use to compensate for:

- Out of square roof
- Up to 2" coverage

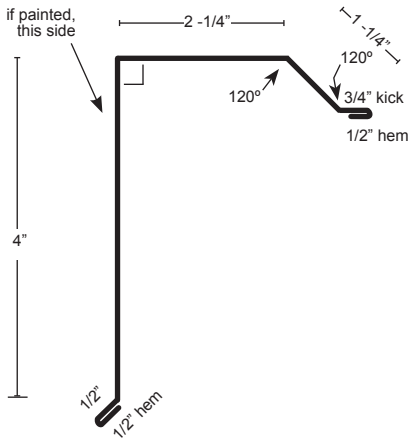


Gable Flashing Application

- Install to hold down beginning and/or ending panel(s).
- Trim last panel (if needed) to allow 1" leg to be bent up to receive gable trim.
- Place firmly over rib (or field formed leg).
- Overlap flashing 2" to 3" top over bottom and place 1/8" bead of caulk under lap.
- Fasten to fascia board every 24" with woodfast screw.
- Consider using compensating gable if roof is out of square or to avoid cutting very narrow panel for the ending panel.
- Compensating gable flashing will allow installation to begin or end, up to 2" from gable edge.

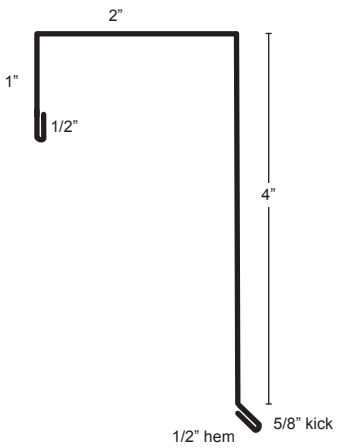
Gable G-17

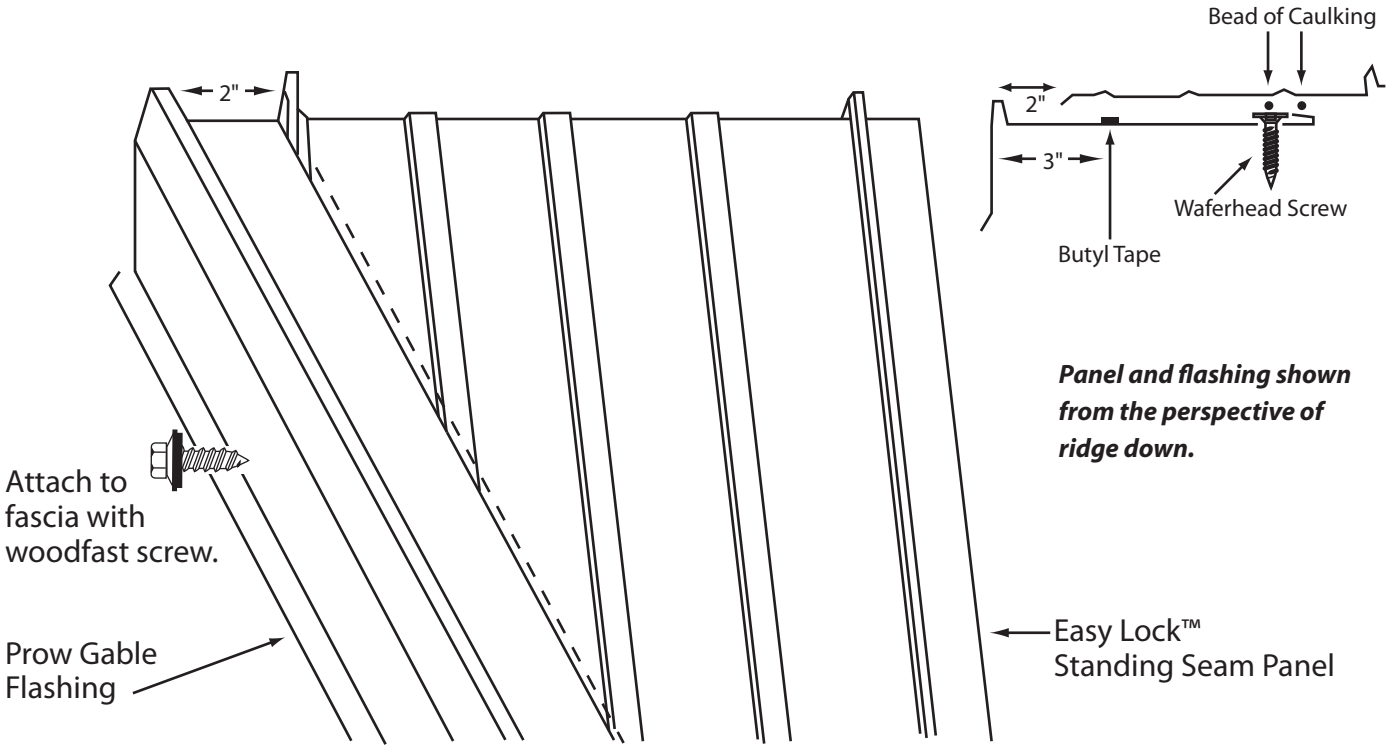
GG17



Box Gable

TEL GB

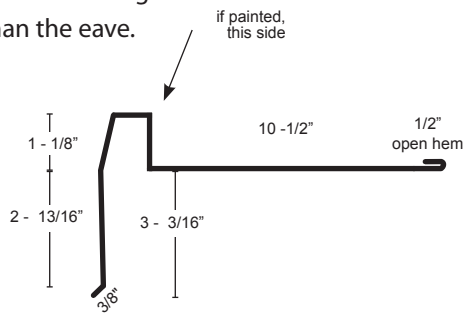




Panel and flashing shown from the perspective of ridge down.

PF Prow Flashing

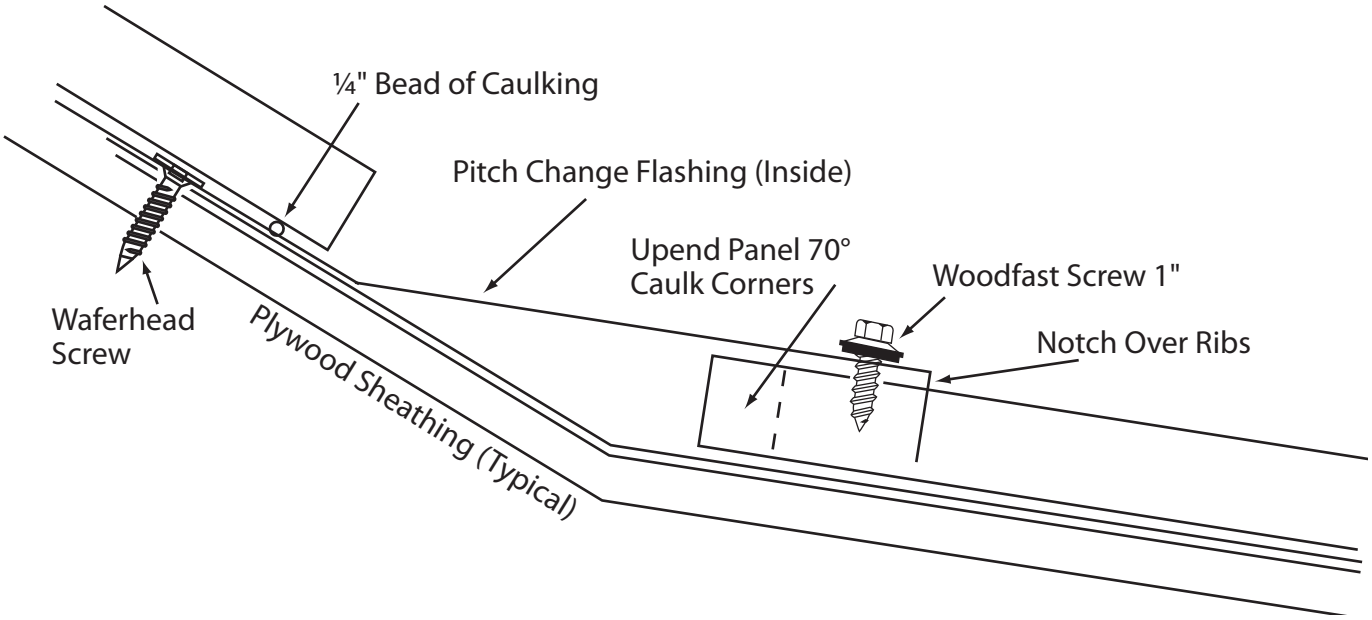
Use for gable where ridge is longer than the eave.



Prow Gable Application

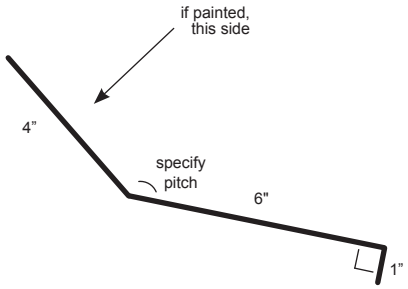
- Install the prow gable flashing on the roof prior to panels.
- Fasten to fascia board every 24" with woodfast screw.
- Fasten pan to sheathing with waferhead screw every 18" to 24" as close to the hemmed edge as possible. Cover screw heads with sealant/caulking.
- Trim panels to angle of prow 2" from the edge of the raised portion of flashing. ***Be sure to remove any burr on the cut edge of the panel and use a damp cloth to wipe any filings from the panel.***
- Apply butyl tape or a 1/4" bead of sealant/caulking 3" (1" under end of panels) from the raised edge of the prow flashing. Apply a 1/4" bead of sealant/caulking to the top of the hem of the prow flashing.
- Fasten the panels as close to the hemmed edge of the prow flashing as possible.
- Due to the long cuts typical of the angle of the prow, using the 1/2" up-ending tool, bend the cut edge down 30degrees or turn the edge under forming a hem.

Pitch Change Inside



PCI Pitch Change Inside

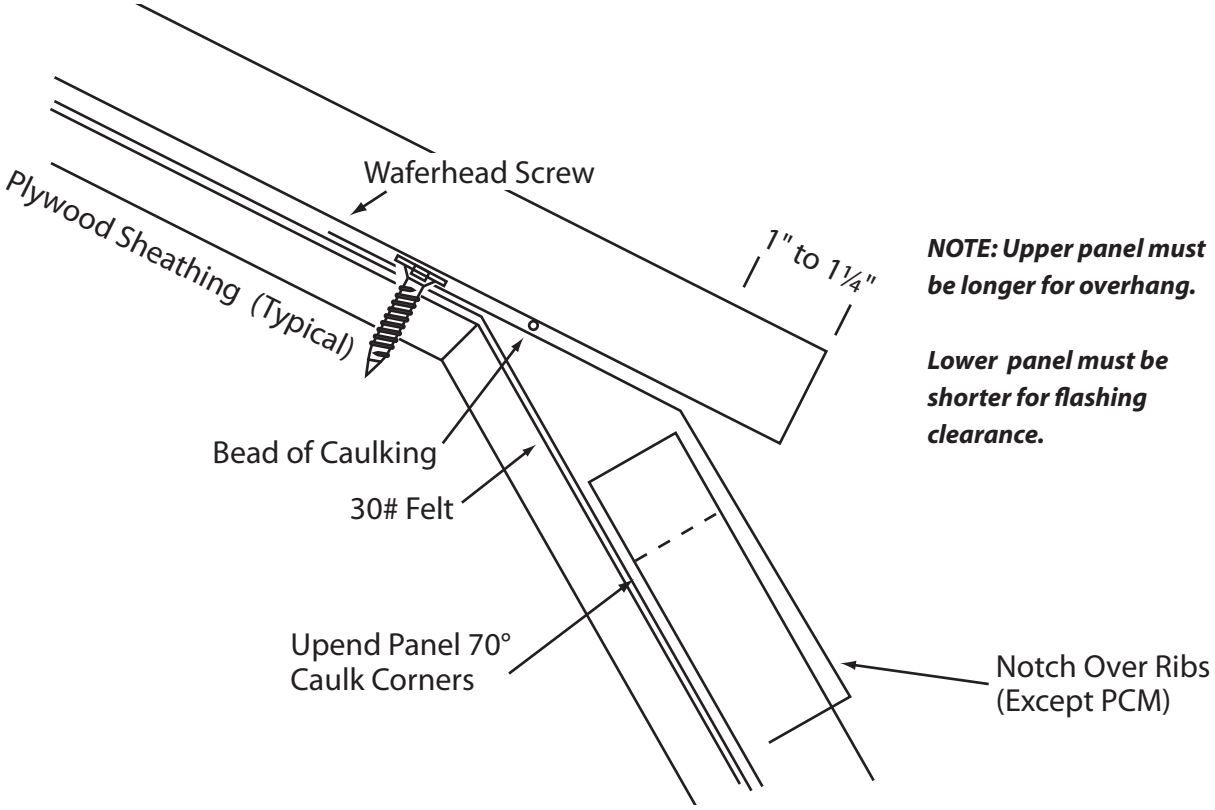
- Requires notching
- Specify pitches



Pitch Change Inside Application

- Install lower panels and all flashings associated with the lower roof. Upend panels, apply sealant/caulking to corners of upended pan.
- Notch 1" leg of flashing to fit over rib of panels.
- Attach upper leg of flashing to sheathing with a waferhead screw on the upper leg every 18" to 24" or as needed. Place sealant/caulking on screw head.
- Allow 3" overlap on flashing, apply three 1/4" beads of sealant/caulking under lap.
- Attach lower leg of flashing to every other rib, with a woodfast screw, rivet or stitch screw.
- Place a 1/4" bead of sealant/caulking on the upper leg of the flashing 1-1/2" from the break. Install the panels 1/2" from the break.
- Note: Custom flashings may be required when pitches are close, e.g. 3:12 to 1:12

Pitch Change Outside

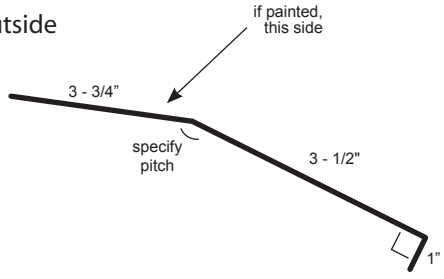


NOTE: Upper panel must be longer for overhang.

Lower panel must be shorter for flashing clearance.

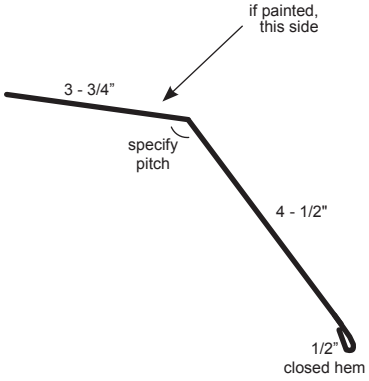
PCO Pitch Change Outside

For minimal pitch changes.
Specify degree of bend or both pitches (i.e., from 2:12 to 6:12)
Requires notching.



PCM Pitch Change Major

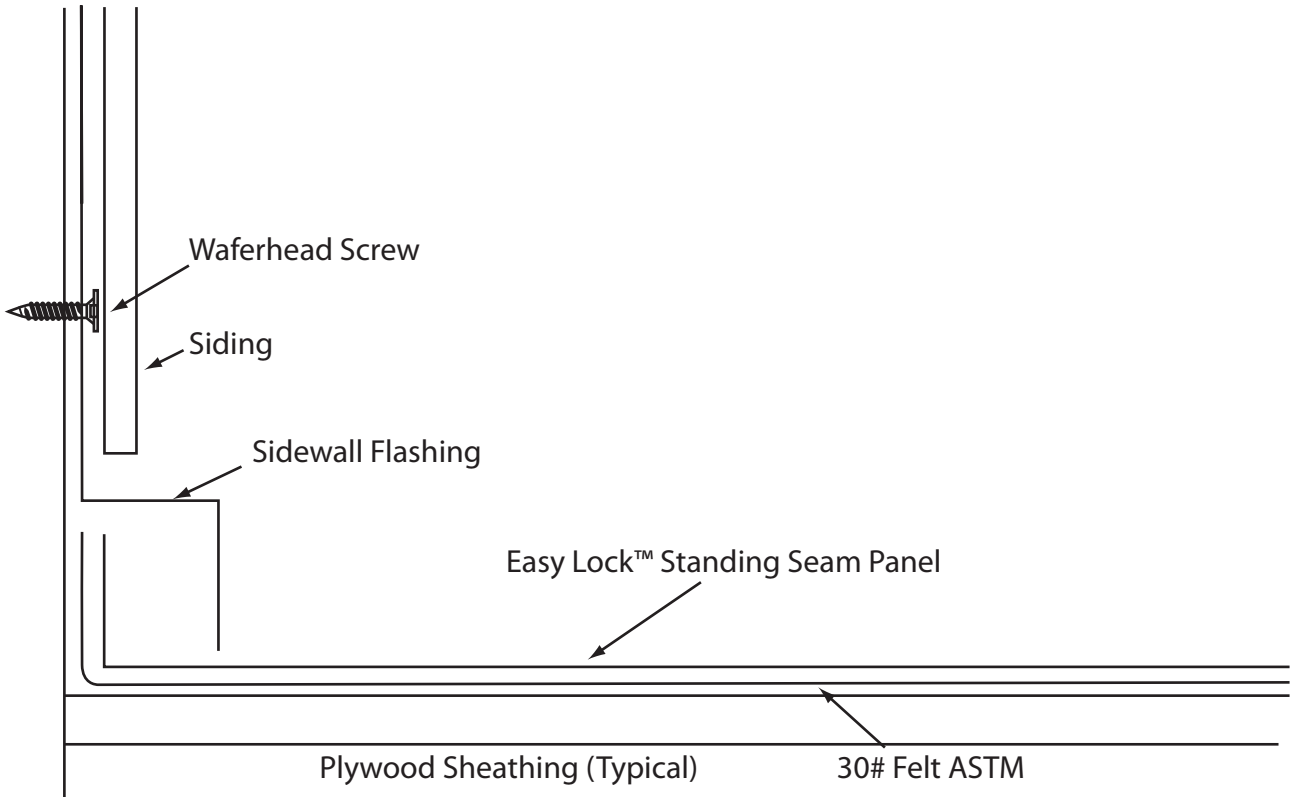
For major pitch changes.
Specify pitches.
Notching not required.



Pitch Change Outside Application

- Transitions are figured from the upper slope to the lower slope.
- Install panels on the lower roof section first and install all appropriate flashings with this roof area. Upend the panels and apply sealant/caulking to the corners of upended pans.
- Notch 1" leg of PCO for panel ribs. For either the PCO or the PCM attach the flashing to every other rib of the panels, with either a woodfast screw, rivet or stitch screw.
- Attach upper leg of flashing 1/2" from top with waferhead screw, apply sealant/caulking over screw head. Place screws every 18" to 24" on flashing.
- Allow 3" overlap on flashings and apply three beads of sealant/caulking at lap.
- Install panels on upper section allowing a 1" to 1-1/4" overhang.

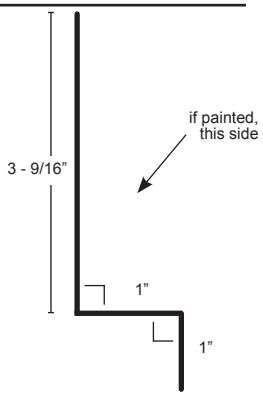
Sidewall Flashing



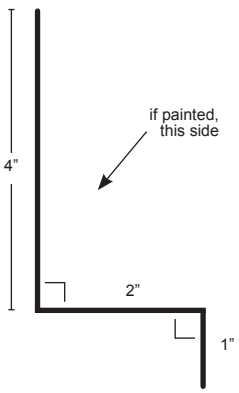
SW Sidewall

Used where panel <u>sides</u> begin or end against a wall.

Specify with or without lip.

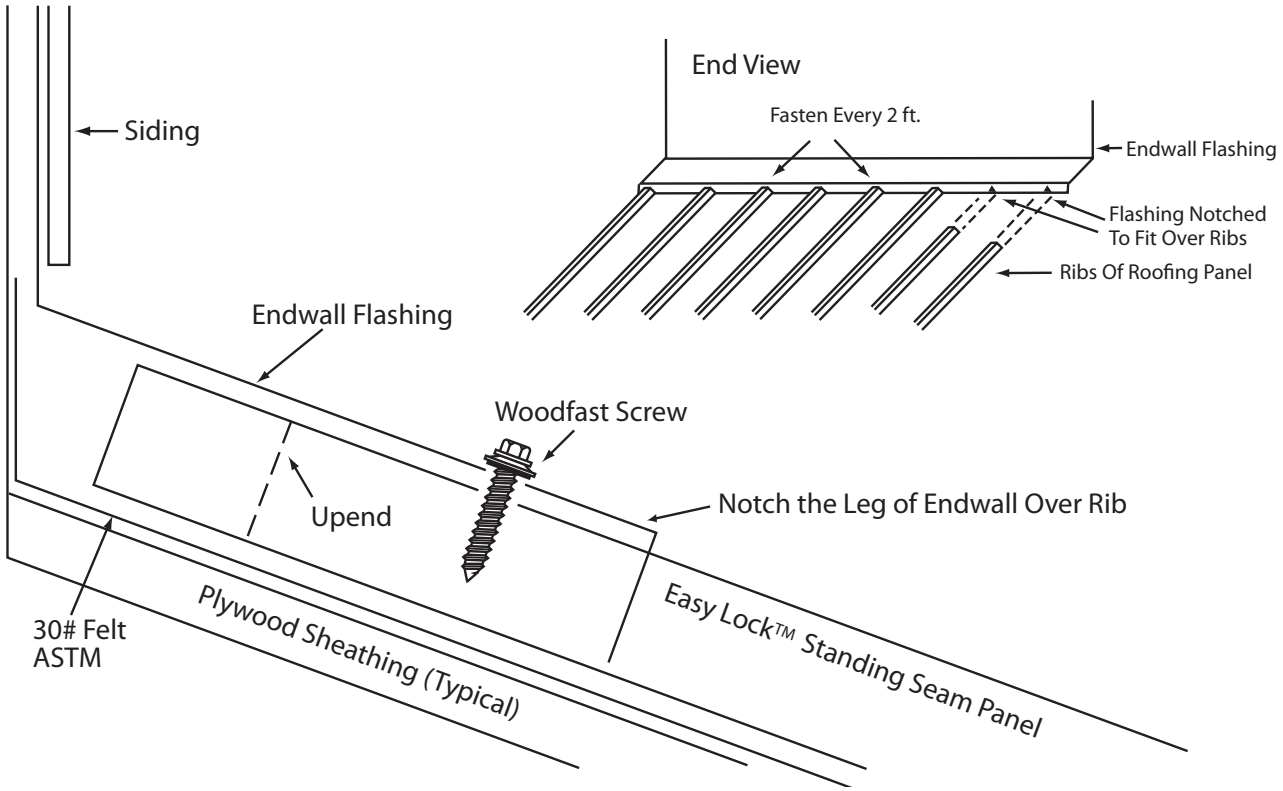


SWC Sidewall Compensating



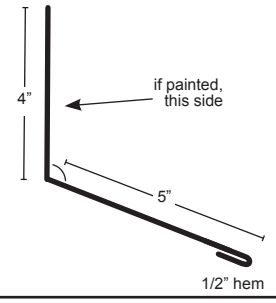
Sidewall Application

- Sidewall flashing is used where wall runs parallel with slope.
- Install roofing panel first.
- Flash over rib if starting panels at wall or over upended edge of panel (pictured).
- Install flashing under siding (pictured). Attach to wall with waferhead screw for this option.
  OPTION: Siding is cut 1/4" deep and lip is caulked into the cut to seal. Attach to wall with woodfast screw every 24".
  NOTE: Specify with lip if using this method of installation.
- Overlap flashing end to end 2" to 3" and caulk at lap.

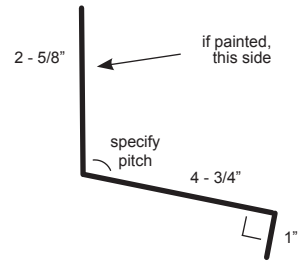


EWS Endwall Standard

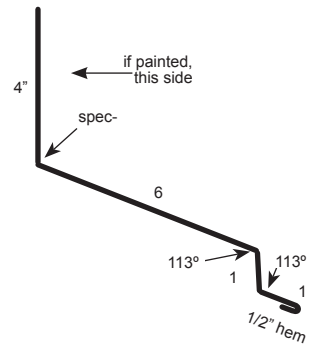
Used where panels slope away into a wall.
Specify pitch and with or without lip.
Requires notching.



EW Endwall



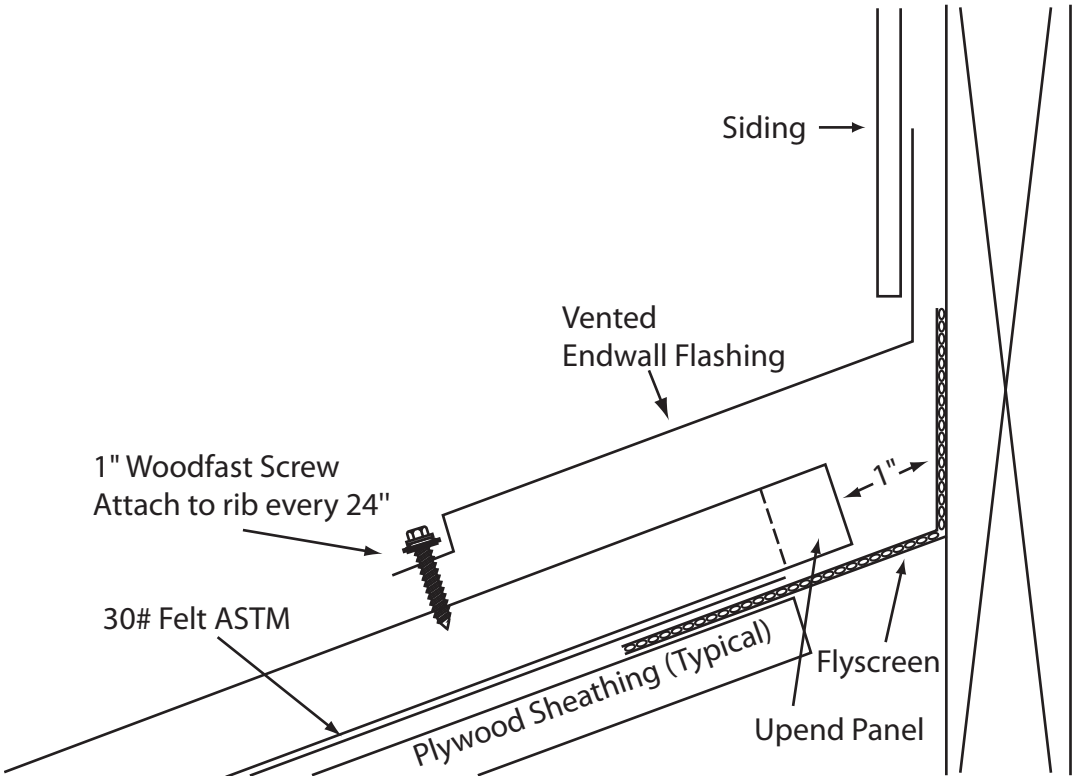
EW17 EW17 Endwall



Endwall Flashing Application

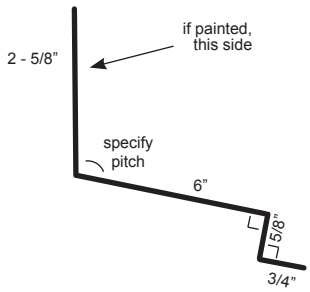
- Endwall flashing is used where the roof slopes away from a wall (i.e., clerestory or shed roof)
- Upend top of panel and apply sealants/caulking to the corner of the upended pans before installing flashing.
- Notch 1" leg of endwall to fit over ribs of panels.
- Upper leg (2-1/2") is placed under siding. OPTION: siding is cut 1/4" deep and the lip is caulked into the cut to seal.
  NOTE: Specify with lip if using this method of installation.
- Attach flashing to every other rib of panel with rivet, woodfast screw or stitch screw.
- Overlap flashing end to end 2" to 3". Place 1/4" bead of sealant/caulking under lap.

Endwall-Vented Flashing



EWV Endwall-Vented

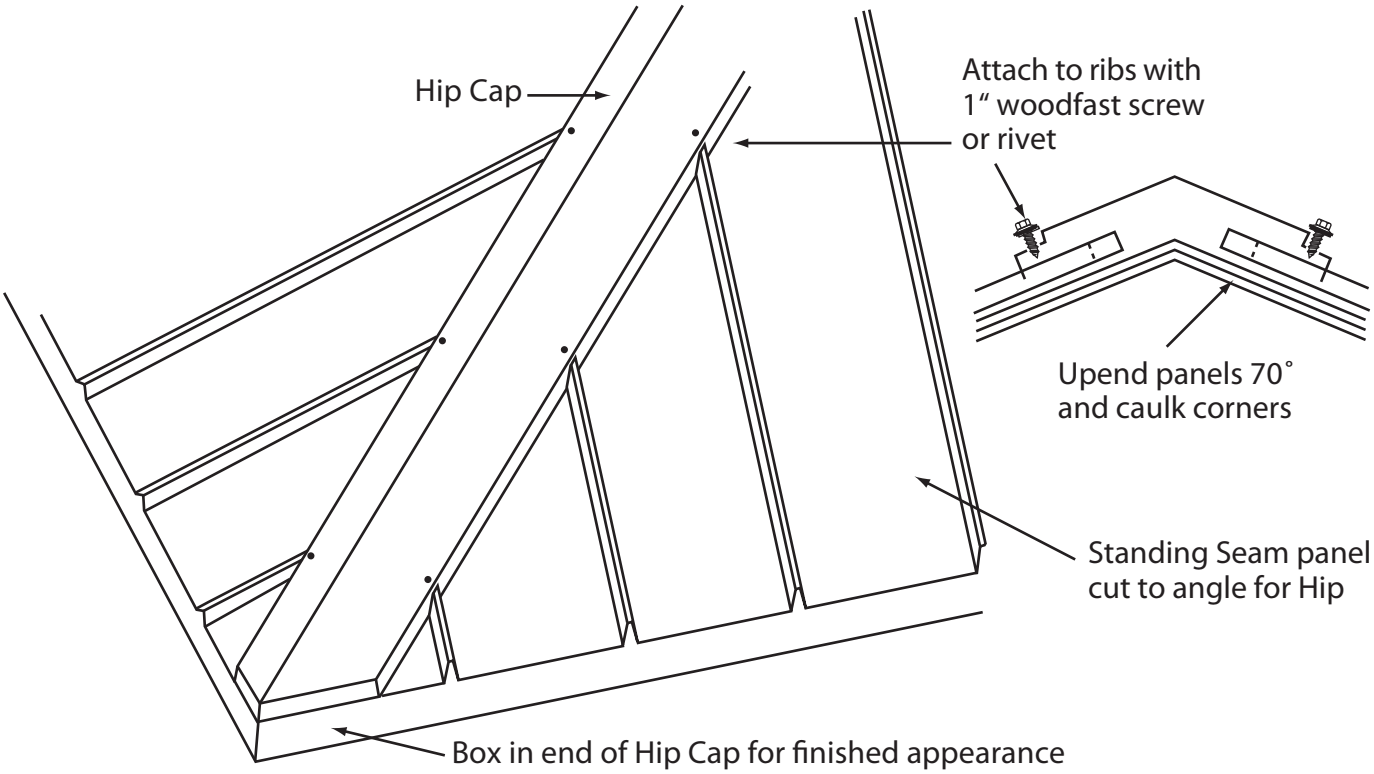
Used where panels slope away from a wall and venting is required.
Specify pitch.
Specify with or without lip.



Vented Endwall Application

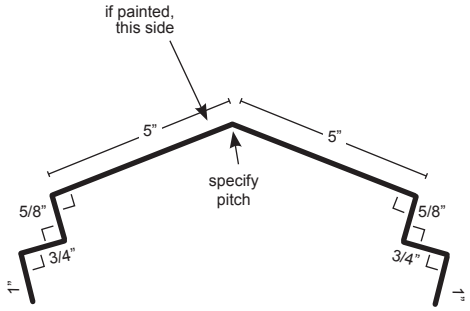
- Vented endwall flashing is used to provide ventilation at the wall. Cut out or leave the sheathing back 2" from the wall and cover with flyscreen.
- Upend top of panel and caulk the corners before installing the flashing.
- Place the Vented Endwall Flashing on top of the ribs of the panels. The upper leg (2-1/2") is placed under the siding. Option: Siding is cut 1/4" deep and the lip is caulked into the cut to seal. NOTE: Specify with lip if using this method of installation.
- Attach flashing to every other rib of panel with rivet, woodfast screw or stitch screw.
- Overlap flashing end to end 2" to 3". Place 1/4" bead of sealant/caulk under lap.

Hip Cap Flashing

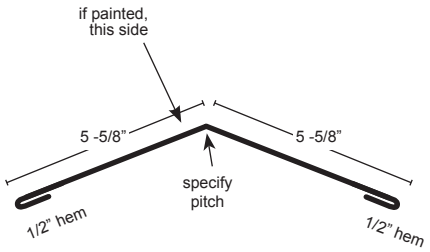


HS Hip Standard (Unvented)

Requires notching.
Specify pitch.



HR Hip/Ridge



Hip Cap Flashing Application

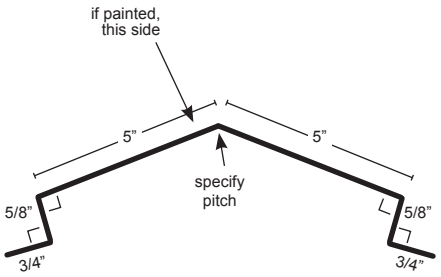
- Cut standing seam panel to match angle of hip ridge.
- Install panels and upend, caulk the corners.
- Notch Hip Cap (as required) for ribs on panel(s). Notch with snips to match rib alignment.
- Allow Hip Cap to overhang the bottom corner at least 1 1/2".
- Box in the lower end to match angle of corner.
- Overlap Hip Cap, top to bottom, 2" to 3" and caulk each lap.
- Attach Hip Cap to each rib of panels with woodfast screw, pop rivet, or stitch screw.

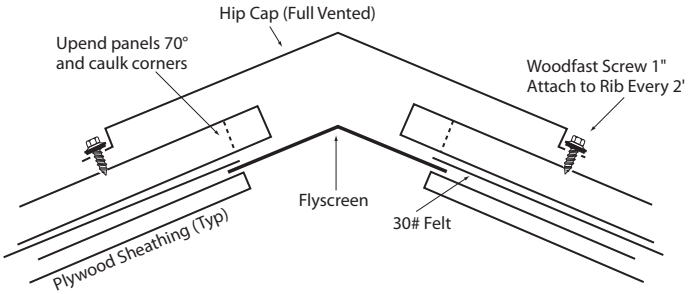
NOTE: If ribs are over 24" apart on panel angles, use "Z" Strip for secure fastening.

Hip Cap Flashing - Continued

HFV Hip Full Vented

Specify pitch.



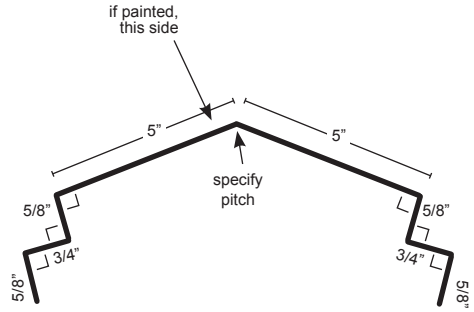


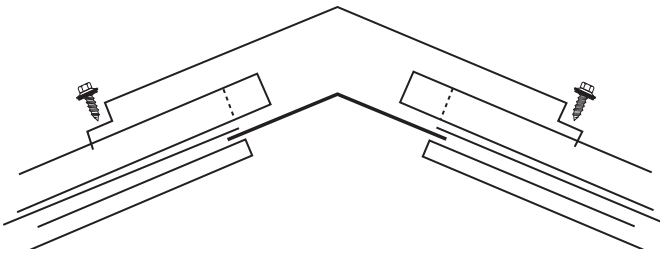
Application

- Center hip cap, align with peak.
- Attach hip cap to every rib on each side.
- Overlap hip cap, top to bottom, 2" to 3" and caulk under lap.
- Fasten hip at lap with rivet or woodfast screw.

HHV Hip Half Vented

Requires notching.
Specify pitch.



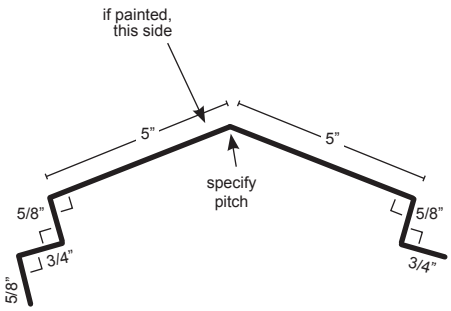


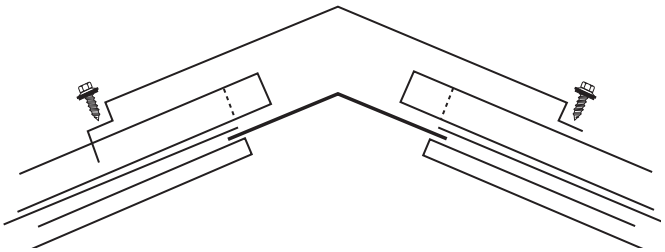
Application

- Install per instructions for hip, full vent (HFV) except notch 5/8" legs to fit over ribs.

HVV Hip Venturi Vented

Requires notching.
Specify pitch.



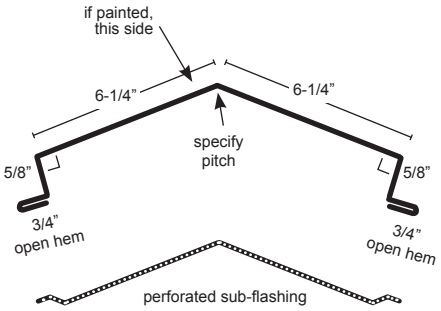


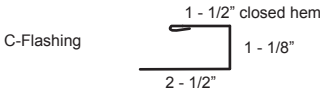
Application

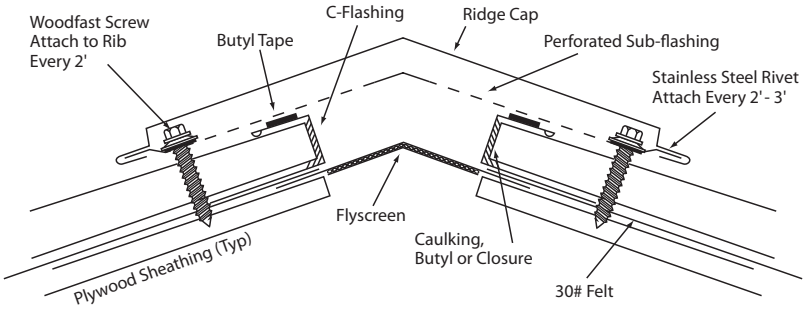
- Install per instructions for hip full vent (HFV) for vented side, and per instructions for Hip standard (HS) for non-vented side.

RPV Ridge Perforated Vent

3-piece System: Ridge Cap, Perforated Vent, C-Flashings.
13 square inches of vent per foot of ridge cap.
Specify pitch.





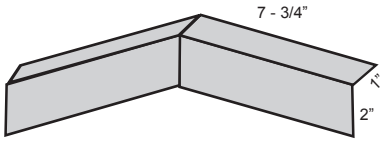


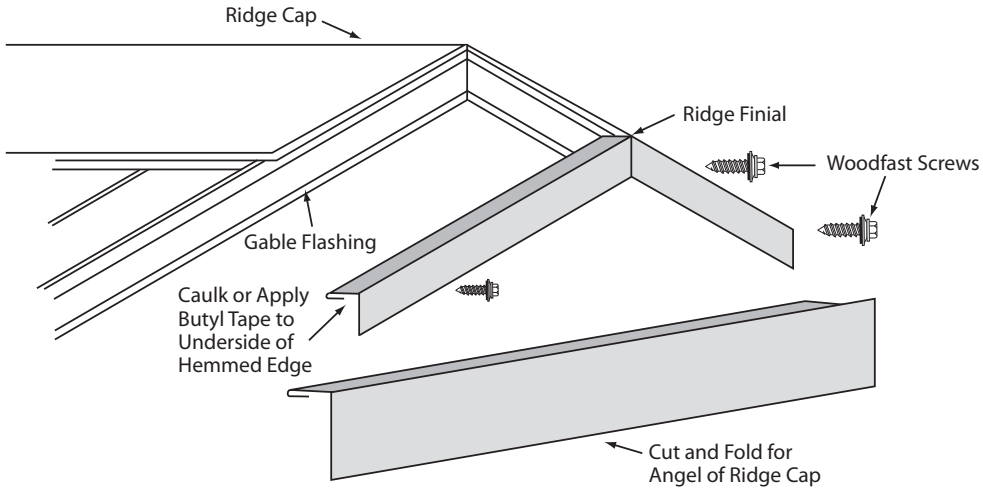
Application

- Use a C-flashing at top of panel, rather than up ending panel.
- Do not attach C-flashing to roof deck. Attach to screw flange of panel with a rivet every 3 to 5 panels to allow for thermal movement.
- Use formed foam closure, caulking or butyl tape inside C-flashing to seal the end of the panel.
- Apply butyl tape or caulking on top of C-flashing.
- Center perforated vent flashing on ridge and attach to rib, every 24" on each side, with woodfast screw.
- Attach ridge cap to perforated vent flashing by sliding hemmed edge on one side. To attach the other side, press on the center of the cap until hemmed edge catches lip on perforated sub-flashing.
- Overlap ridge caps end to end 2" to 3". Place 1/4" bead of caulk under lap.
- Fasten ridge to perforated sub-flashing lip with a rivet on each side every 2 to 3 feet.

RF Ridge Finial

End caps for ridge cap.





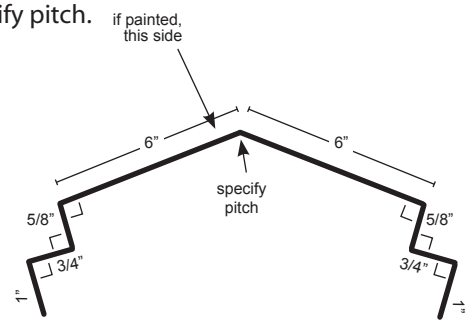
Application

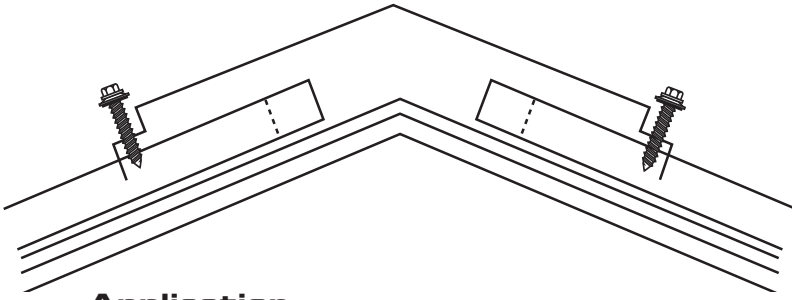
- Install after ridge cap and gable flashings are in place.
- Snip the center of 2" leg and bend top 1" leg to fit over ridge cap.
- Use caulking or butyl tape to seal between ridge cap and hem on finial cap.
- Use woodfast screws or rivets to fasten finial to ridge cap through the 2" face and top of finial.

Ridge Caps - continued

RS Ridge Standard

Unvented.
Requires notching.
Specify pitch.



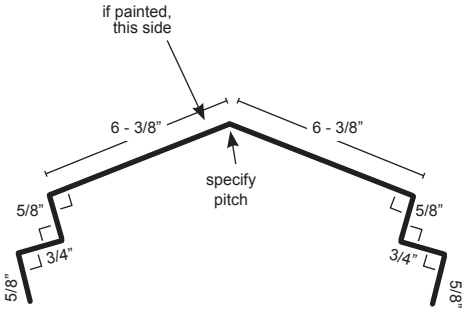


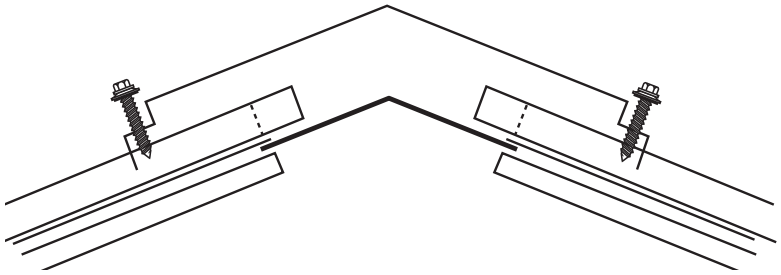
Application

- Center ridge, align with peak.
- Notch 1" leg to fit over ribs.
- Attach rib to ridge every 2', on each side with woodfast screw.
- Overlap ridge end to end 2" to 3". Apply 1/4" bead of caulking under lap.
- Fasten ridge at lap with rivet or woodfast screw.

RHV Ridge Half Vented

11 square inches of vent per foot of ridge cap.
Requires notching.
Specify pitch.



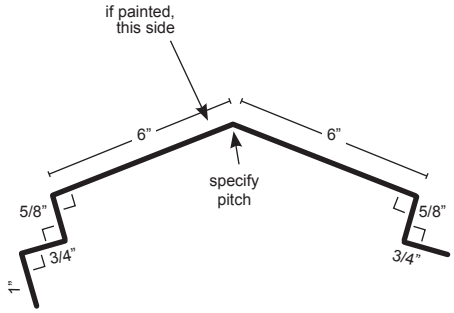


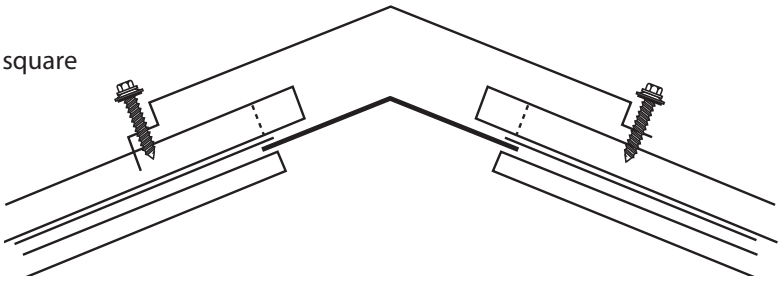
Application

- Install per instructions for ridge full vent (RFV) except notch 5/8" legs to fit over ribs.

RVV Ridge Venturi Vented

Fully closed on windward side.
Full vented, opposite side. Equivalent to or greater than 9 square inches of venting per foot of ridge cap.
Requires notching.
Specify pitch.



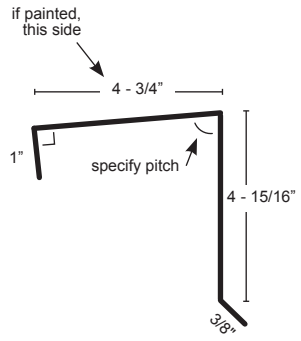


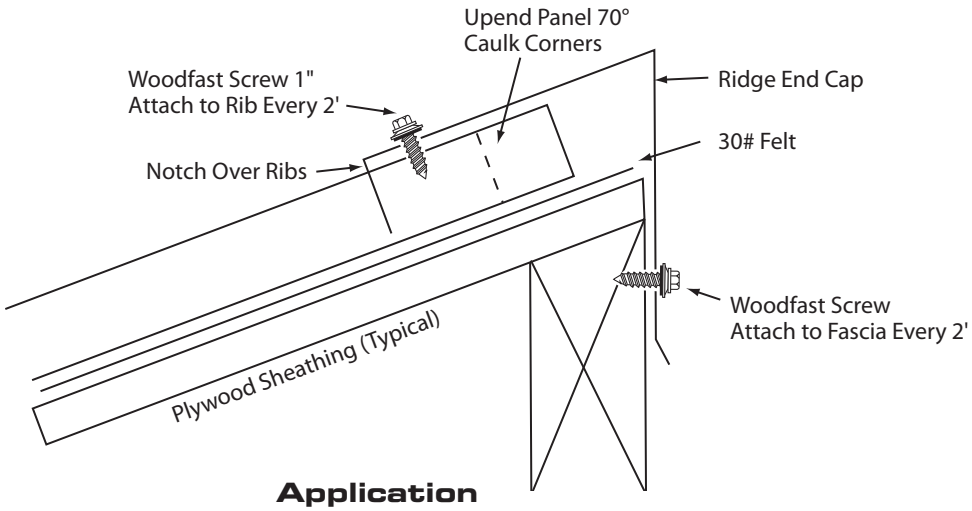
Application

- Install per instructions for ridge fall vent (RFV) for vented side; and per instructions for ridge standard (RS) for non-vented side.

REC Ridge End Cap

For use on clerestory and shed-type roofs.
Requires notching.
Specify roof pitch





Application

- Notch l" leg to fit over rib of panel.
- Fasten through ridge end cap into ribs of panel every 24" with woodfast screw or rivet.
- Fasten through 4-3/4" leg of ridge end cap into fascia board every 24" with woodfast screw.
- Overlap flashing end to end 2" to 3". Place 1/4" bead of caulk under lap.
- Fasten ridge end cap at lap with rivet or woodfast screw.

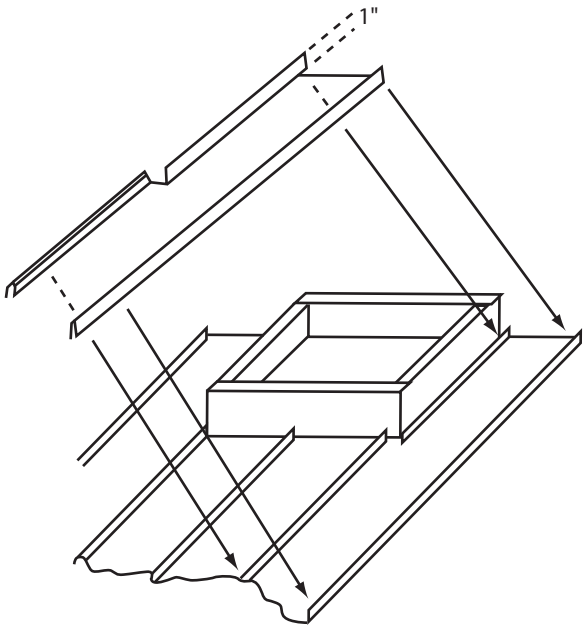
Skylight or Chimney Flashing

The following instructions are applicable to most typical skylight or chimney applications. However, your individual application may be unique and require custom flashing and/or special installation. Be sure to check with the skylight manufacturer to determine recommended flashing and whether deviation will result in nullifying your warranty. The use of a cricket is advised in some situations, especially where the drainage is into a curb that exceeds 2' 6", or if the roof area will have a lot of debris failing on it. Crickets are specially made to fit the curb/chimney and are used in place of the head flashing. Installation information for the cricket and the head flashing is the same.

Step 1 - Panel Installation

The panels adjacent to the skylight/chimney curb are positioned so the panels on the sides are cut even with the upper (top) curb. The bottom panels are butted against the bottom of the curb. Upend and caulk panels as usual.

The side panels may need to be cut to allow them to fit around the curb. Be sure to allow an additional l" to be bent up along the curb. The upper panels will be installed later in Step 4.

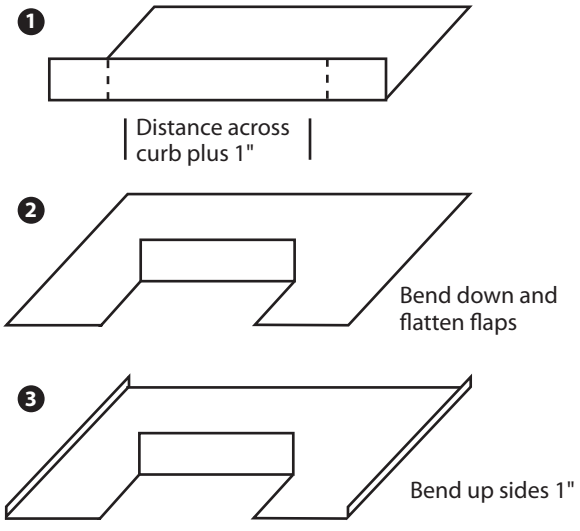


Step 2 - Head Flashing

1) The head flashing is first cut along the dotted line. This cut is made after measuring the distance across the top of curb/chimney. Add 1" per side to this measurement. Mark the flashing and cut down to the bend.

2) Bend down and flatten the flaps on each side of the head flashing. It is better to over-bend the flaps so they will lie flatter on the panel.

3) Measure the distance across the panels on each side of the curb. Mark the flaps of the head flashing so they will fit across the pan, add 1" and cut off the remainder. Use an upender tool to bend up the 1" on the sides to 90 degrees.

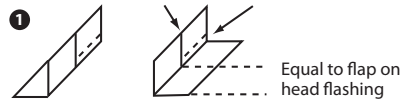


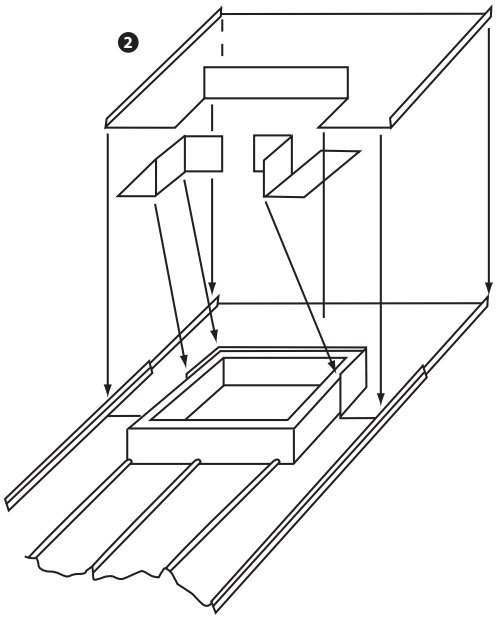
Step 3 - Assembling and Installing the Head Flashing

1) Prepare the corner flashings by cutting along the bend so the remainder is equal to the length of the flap on the head flashing. Bend the cut leg over 90 degrees.

2) Position the head piece and the corner flashing to fit around the curb and over the panels. Be certain to caulk any place the panels and flashings meet as well as any joints, cracks, laps, etc.

3) Fasten all components as necessary with woodfast screws or pop rivets.





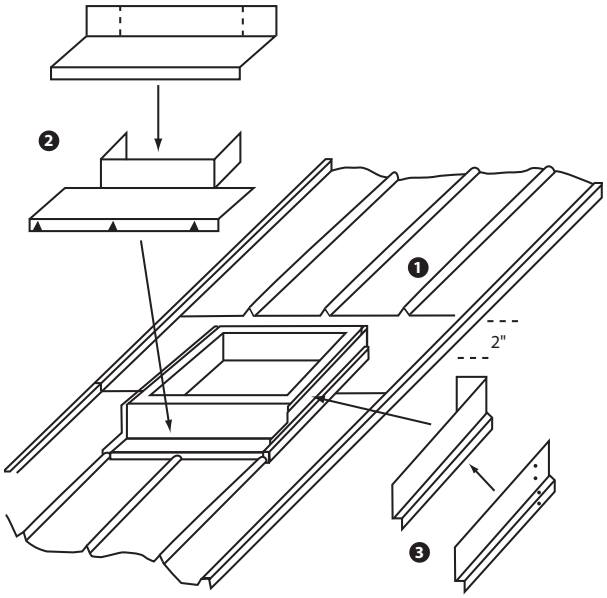
Step 4 - Final Assembly

1) Install the rest of the upper panels now. The panels across the top are installed 2" to 3" away from the curb making sure the top of the head flashing is covered by at least 8" of panel. Use caulking or butyl tape between panels and head flashing.

2) The bottom (endwall) flashing is installed next. Notch flashing and bend edges around curb. Cut lengths 2" longer on each side of curb.

3) Bend top end of side (sidewall) flashing to fit around top of curb; run flashing down side. Cut sidewall flashing to extend under endwall flashing. Fold 2" ends of endwall flashing over sidewall flashing to finish. Caulk and seal as needed.

4) Fasten all components as necessary with woodfast screws or pop rivets.



TAYLOR
METAL PRODUCTS

Versa-Span™ Flashings and Details Guide

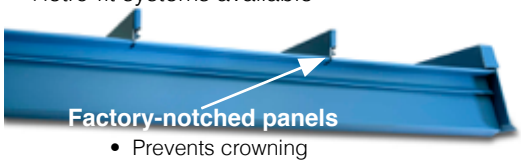
Taylor Metal Products - Phone: 503-581-8338 or 800-574-1388 - Fax: 503-581-6877 - www.taylormetal.com

TAYLOR METAL PRODUCTS

Versa-Span™ & Versa-Span™ SB

STRUCTURAL SNAP-LOCK

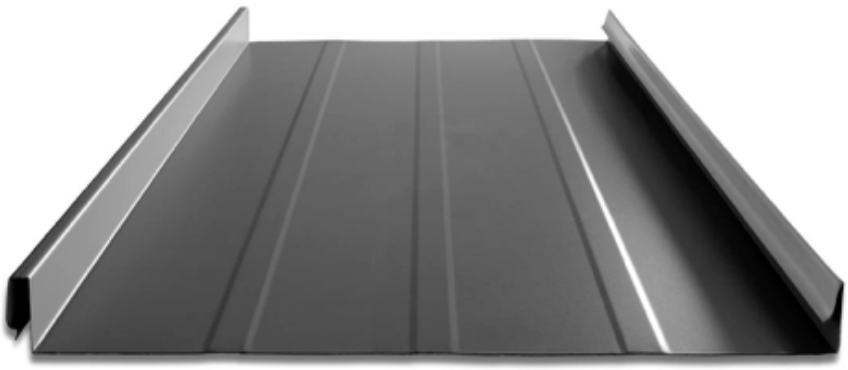
- 12″ to 18″ coverage options
- 24, 22 Tru-Gauge™ and .032 Aluminum
- Floating clip system: allows for expansion/contraction of panels in longer lengths
- 1¾″ vertical rib, factory notching available
- Factory injected Butyl sealant available with testing
- Structural panel that will span up to 4'
- Concealed fasteners: fasteners cannot leak
- Manufactured in Sacramento, CA & Salem, OR
- UL - Code compliance UL Evaluation Report UL ER 25913-01
- UL580 Class 90 wind uplift,UL Class A fire rated
- UL Construction No. 254, 255, 261, 303, 343, 414, and 508A.
- ASTM E-1592-Structural uniform static air pressure
  ASTM 1646- Water infiltration
  ASTM 1680- Air infiltration
- Weather tightness warranty available
  (Contact TMP representative for details)
- 2:12 minimum pitch recommended: for lower pitches please inquire
- Standard panel lengths 2' to 65': for longer panels, please inquire
- Onsite roll forming available for longer panels
- Pan options: Flat pan, Accent ribs, Striations
- Retro-fit systems available



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

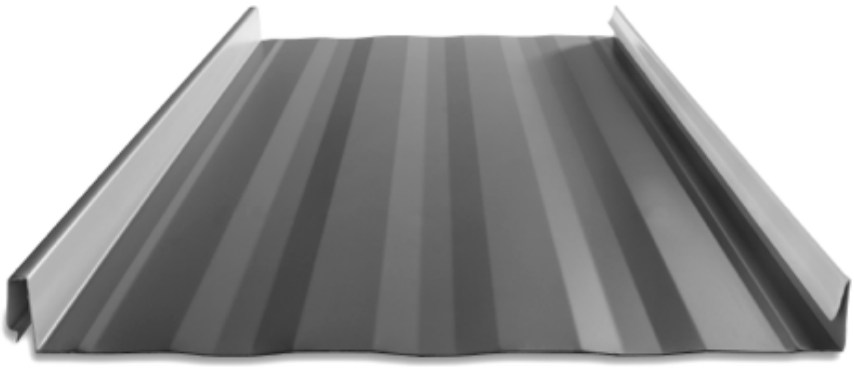
FLAT PAN

12″ to 18″ coverage options

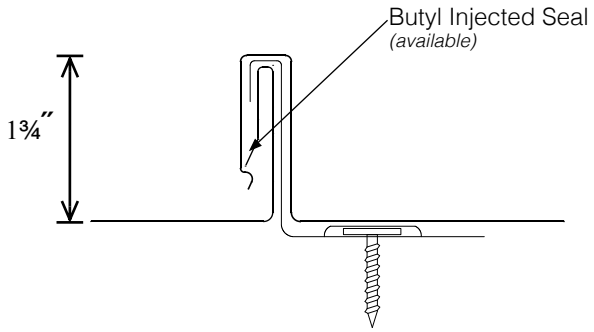


ACCENT RIBS

2 Accent ribs for 12″ to 14⅝″ panel
3 Accent ribs for 16″ to 18″ panel



STRIATED



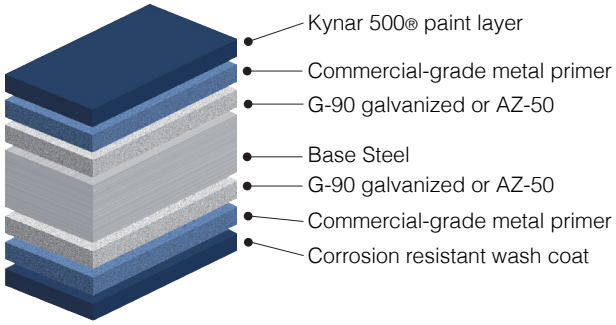
TAYLOR METAL PRODUCTS

Material Specifications

- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 and 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized (G-90)
- 22 gauge Rusteel™ (cold-rolled)
- 22 gauge Rusteel Plus™ (A606)
- 16 and 20 ounce Copper *please inquire*
- Kynar and substrate testing data available *(See website)*
- "Oil Canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection

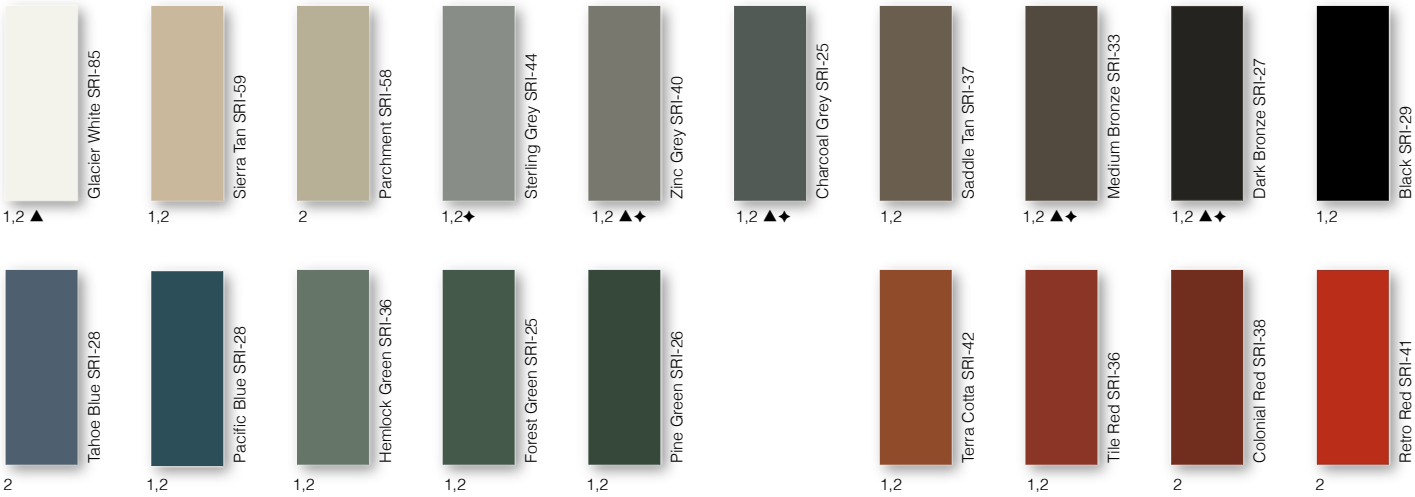
Key Features

- 19 Standard Colors, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)*

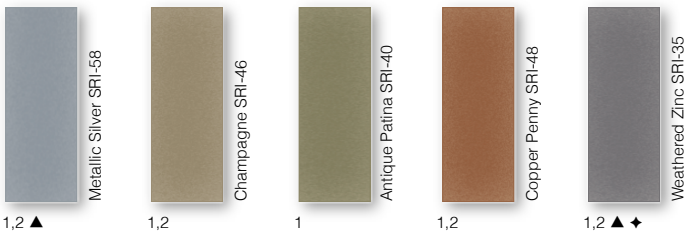


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

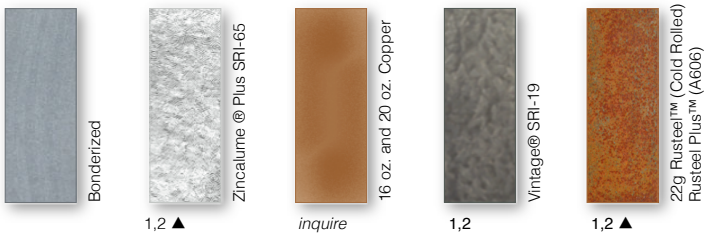
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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

"Oil canning" is an inherent characteristic of Roof & Wall product, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

Standard Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
14⅝˝	24	1	1.36	1.65
18˝	24	2	1.28	1.93
18˝	22	▲	1.61	2.42
14⅝˝	.032 Alum	✦	.60	.90

steelscape

8-16

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HOOK EAVE WITH GUTTER DETAIL……pg. 8
STANDARD RIDGE DETAIL……pg. 9
VENTED RIDGE DETAIL……pg. 10
STANDARD VALLEY DETAIL……pg. 11
ALTERNATE VALLEY DETAIL…… pg. 12
STANDARD GABLE DETAIL……pg. 13
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ROOF HEAD DETAIL……..pg. 19
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SAW CUT ROOF HEAD DETAIL……..pg. 21
BACK PAN/CRICKET ISO DETAIL……pg. 22
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FLASHING SELECTION……pg. 30-32

Notes to Designer/Installer

Taylor Commercial 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.

The Standard gauge for all products in this guide is 24 gauge and the standard finish is Kynar 500®/Hylar 5000®. 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. **Versa-Span**™ can be used over spaced purlins. For solid substrate, **Taylor Commercial Products** recommends 5/8" plywood or metal decking.

Underlayments

Minimum underlayment requirements are 30 lb. ASTM rated felt, a synthetic underlayment with Class A and ASTM UV protection technology or a high temperature 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 the top 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 Commercial Products** for specific drag load requirements.

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 Commercial Products Versa-Span™ 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 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 Commercial 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 Commercial 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.

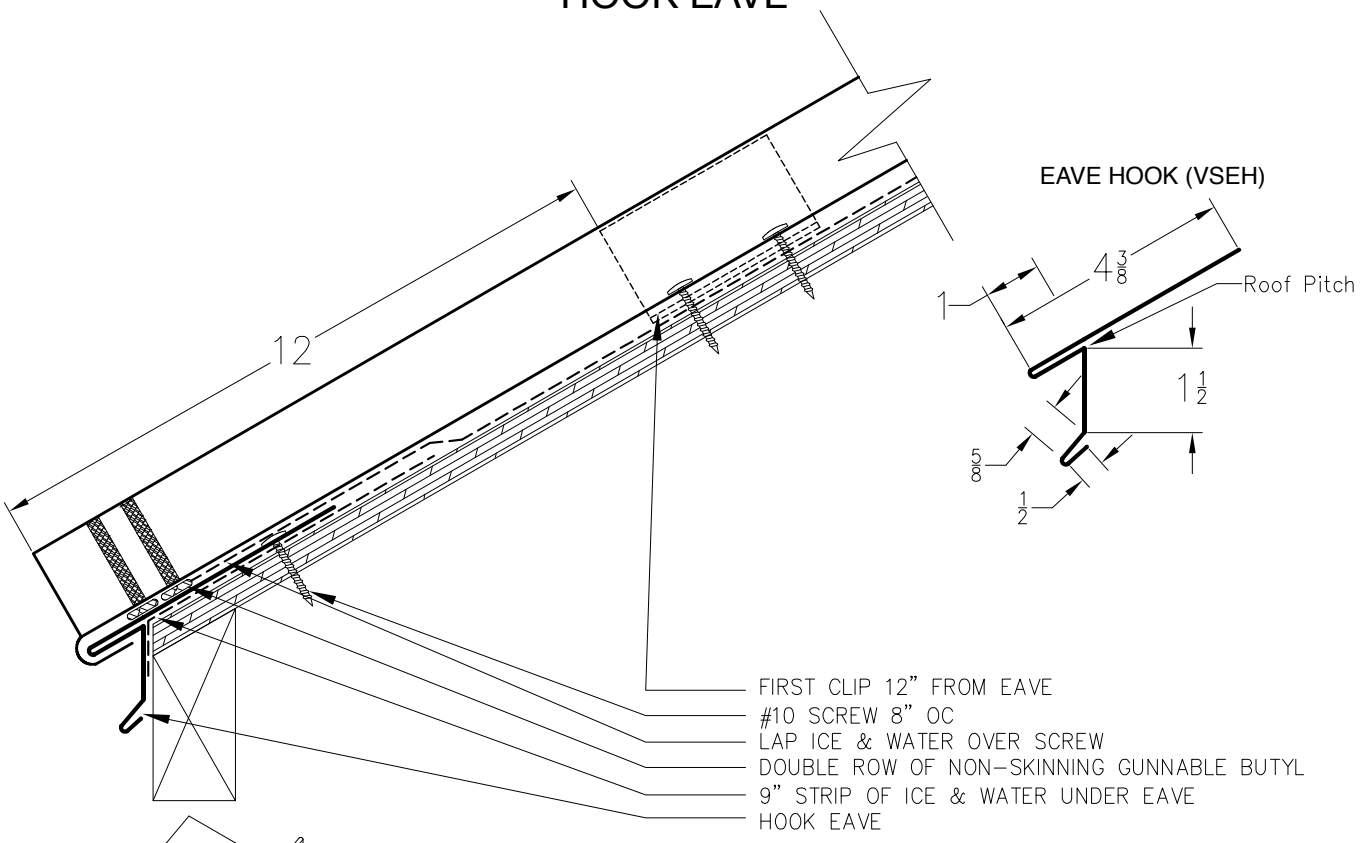
Do not walk on major ribs of panels.

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

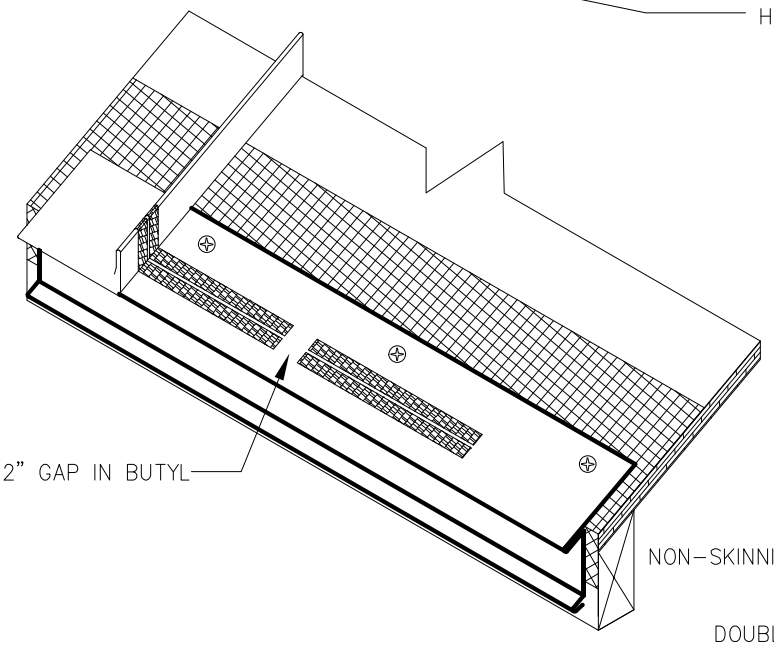
Avoid installing metal panels in windy conditions.

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.

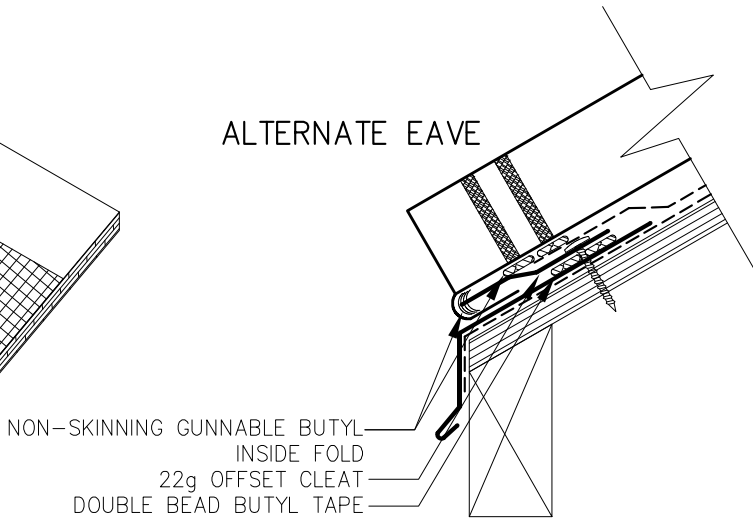
HOOK EAVE



EAVE HOOK (VSEH)



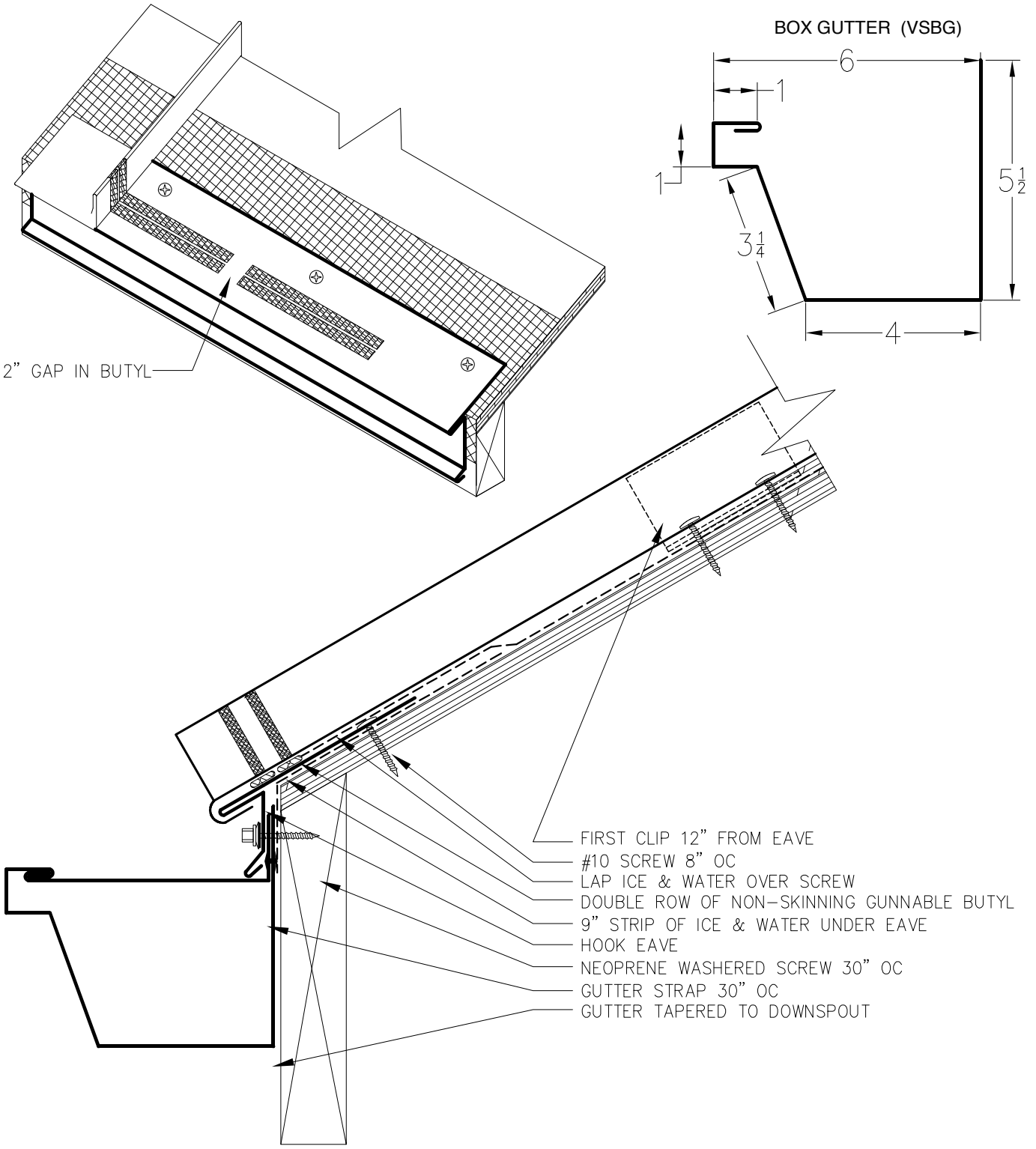
ALTERNATE EAVE



EAVE STANDARD (VSES)

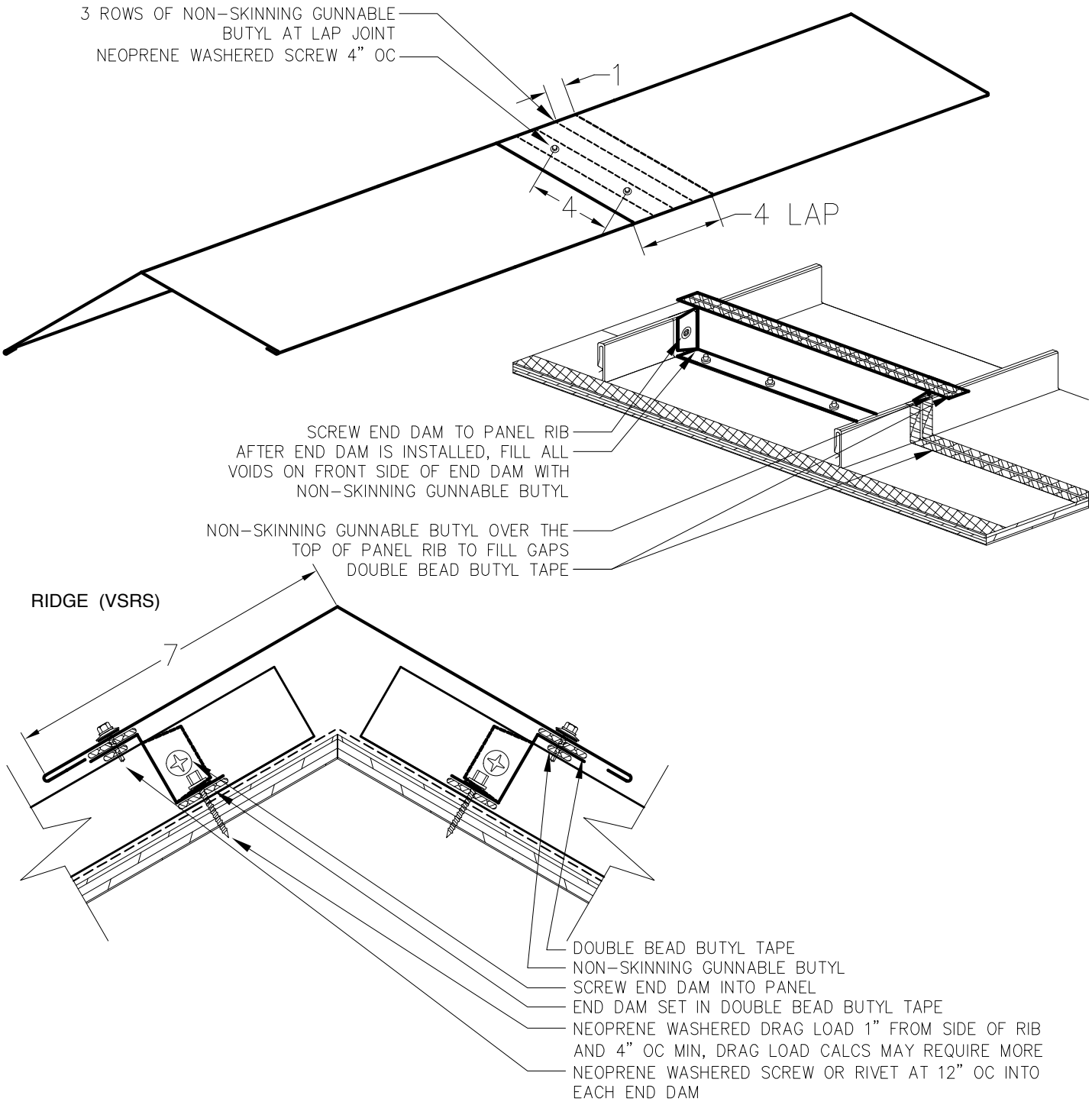
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

HOOK EAVE WITH GUTTER



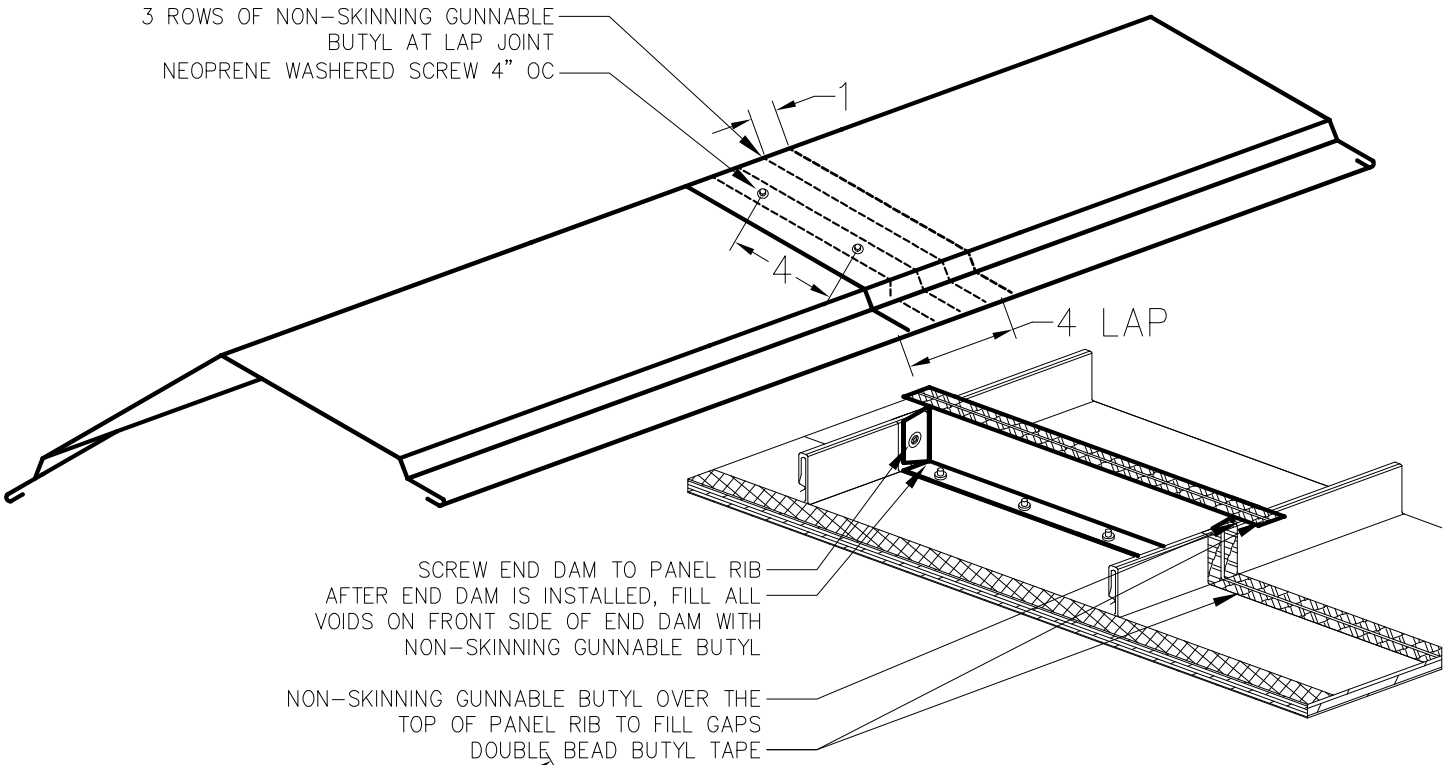
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

STANDARD RIDGE

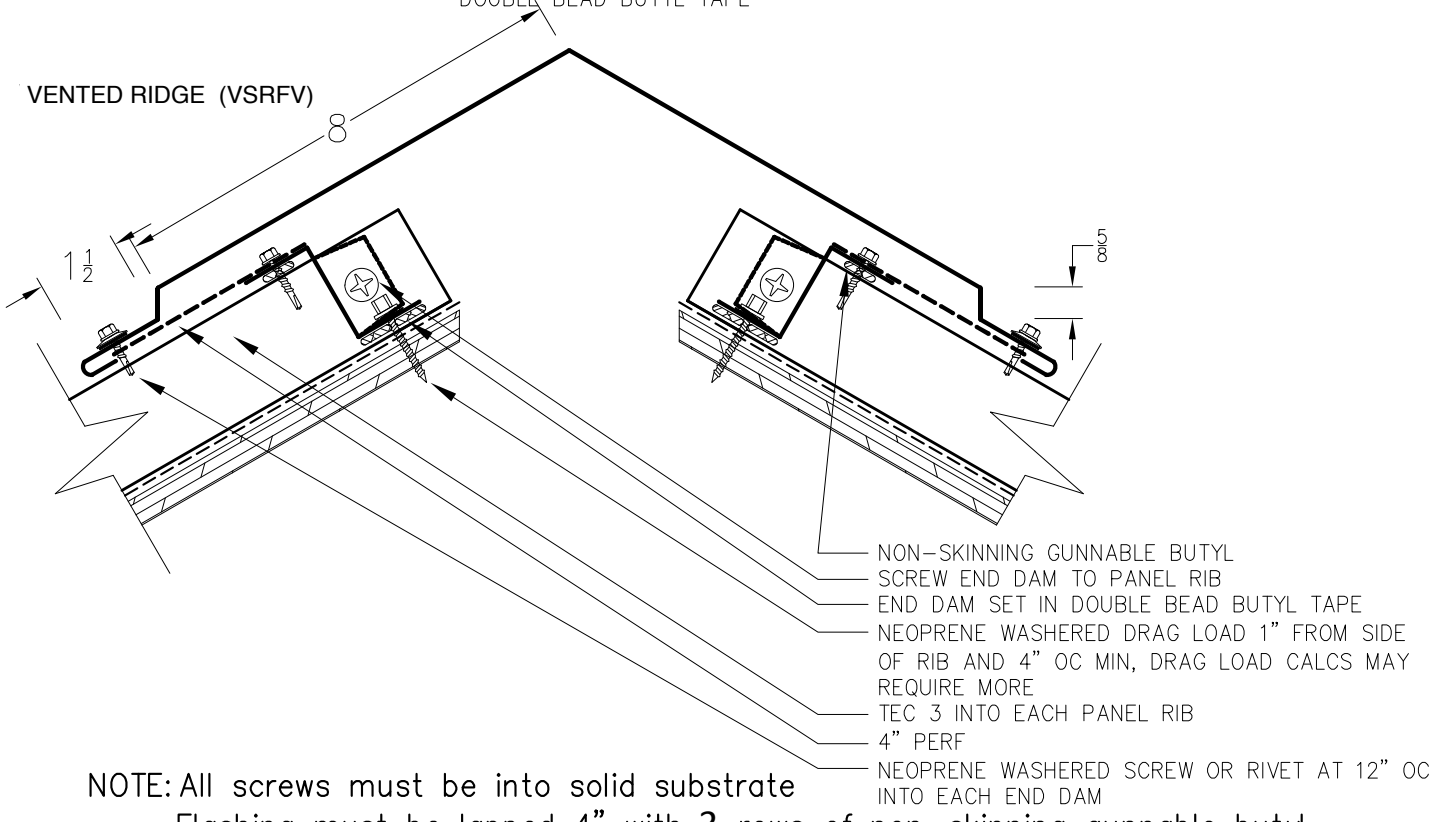


NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 3 rows of non-skinning gunnable butyl

VENTED RIDGE

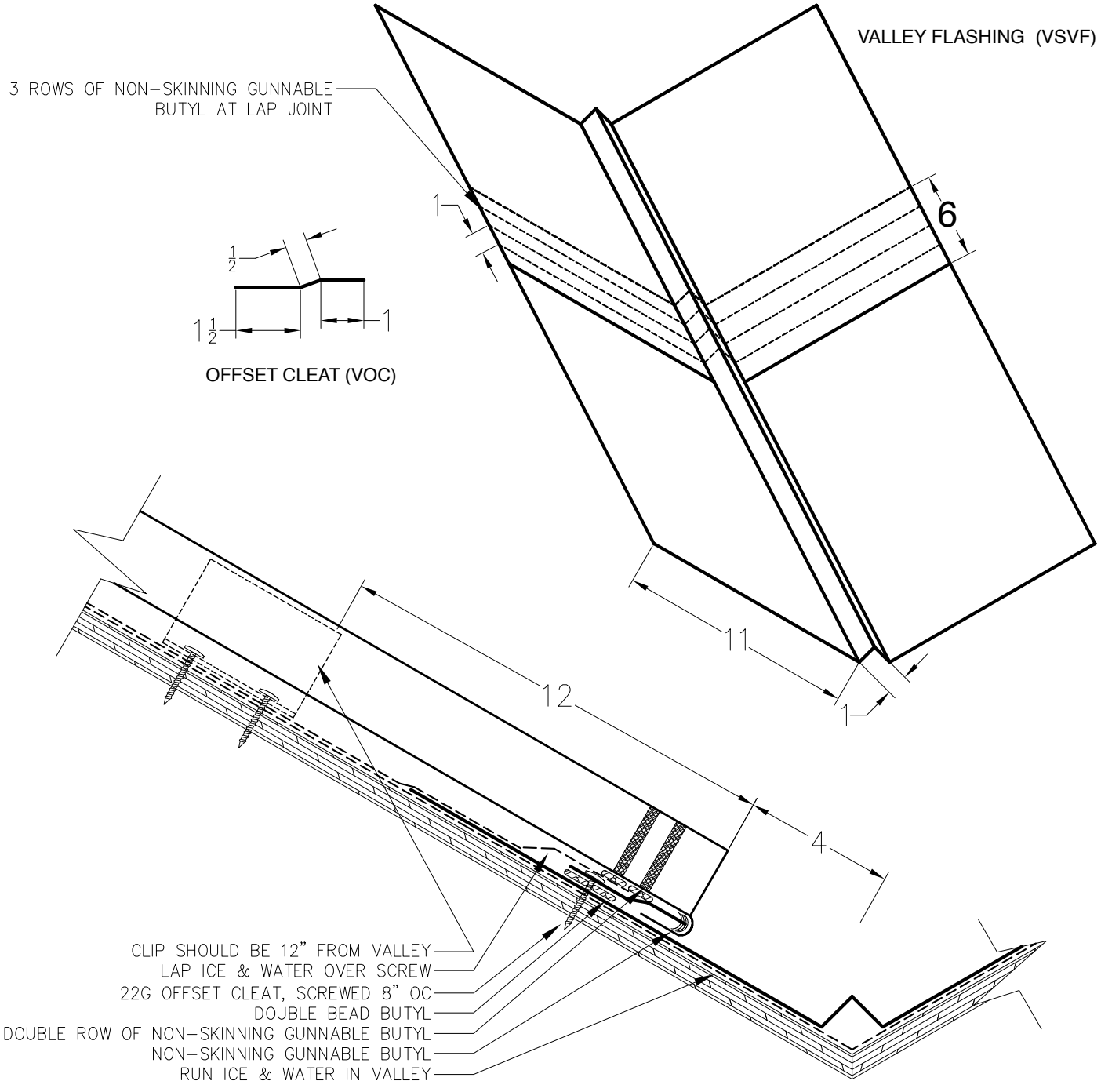


VENTED RIDGE (VSRFV)



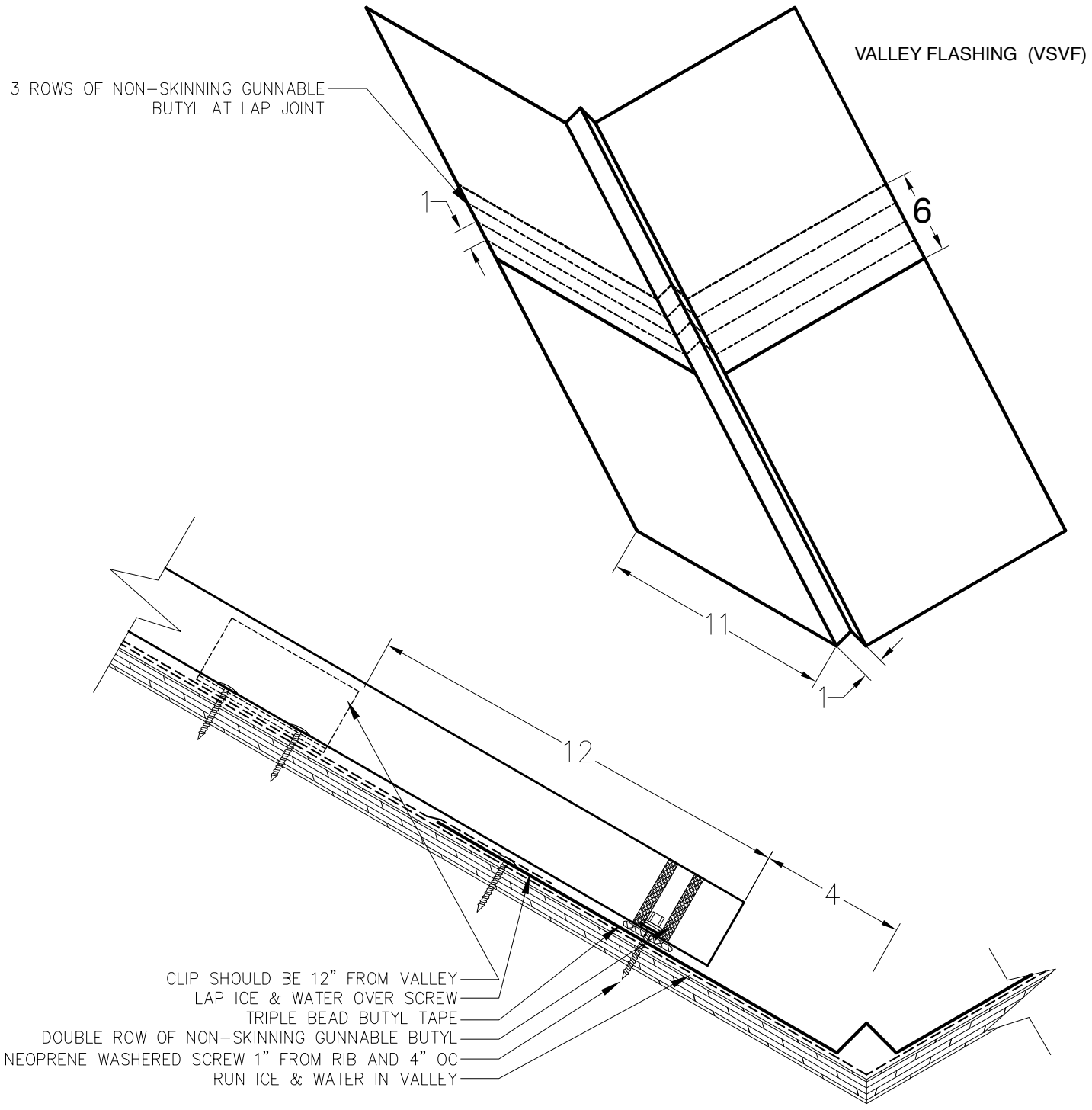
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 3 rows of non-skinning gunnable butyl

STANDARD VALLEY



NOTE: All screws must be into solid substrate
Flashing must be lapped 6" with 3 rows of non–skinning gunnable butyl

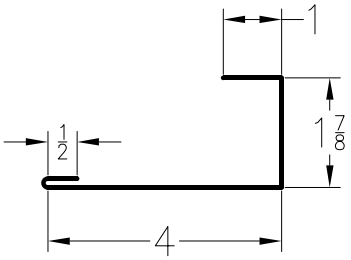
ALTERNATE VALLEY



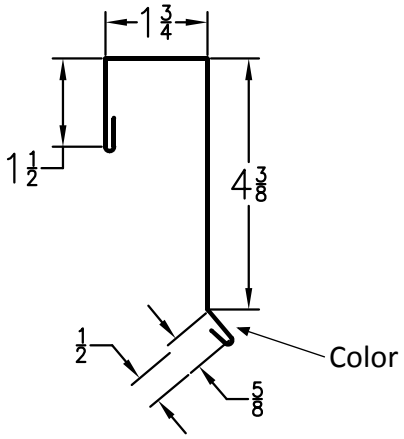
NOTE: All screws must be into solid substrate
Flashing must be lapped 6″ with 3 rows of non–skinning gunnable butyl

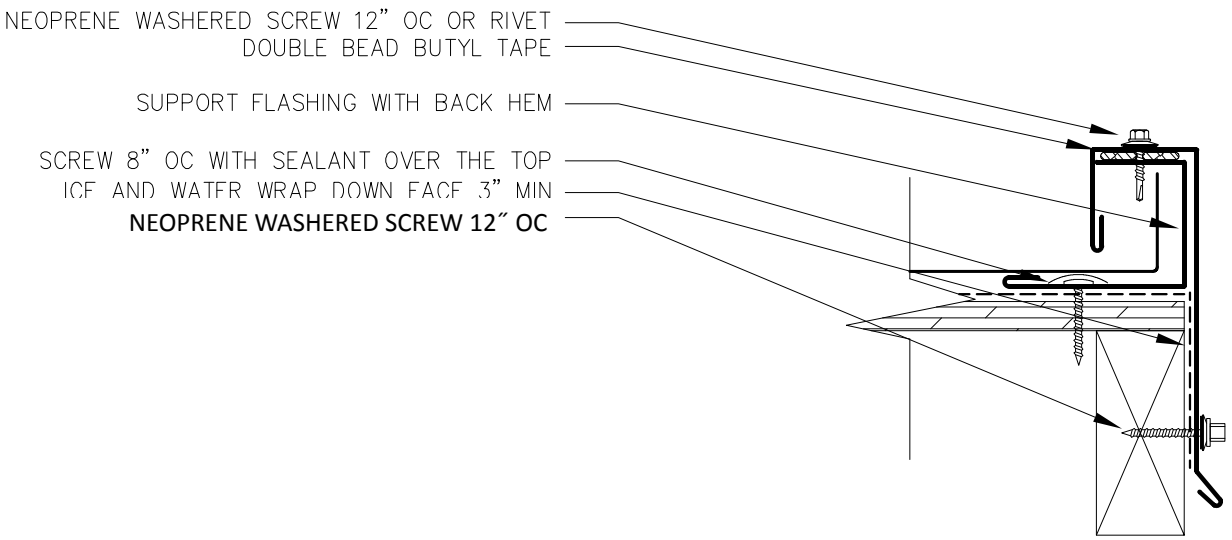
STANDARD GABLE

SUPPORT FLASHING (VSF)



SUPPORT FLASHING (VSGS1)

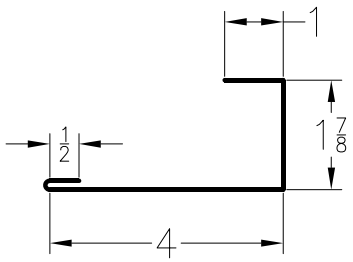




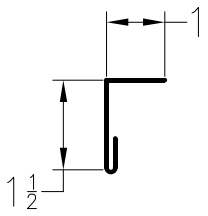
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

ALTERNATE GABLE

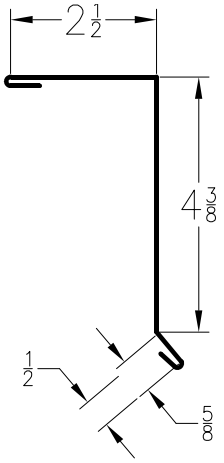
SUPPORT FLASHING (VSF)

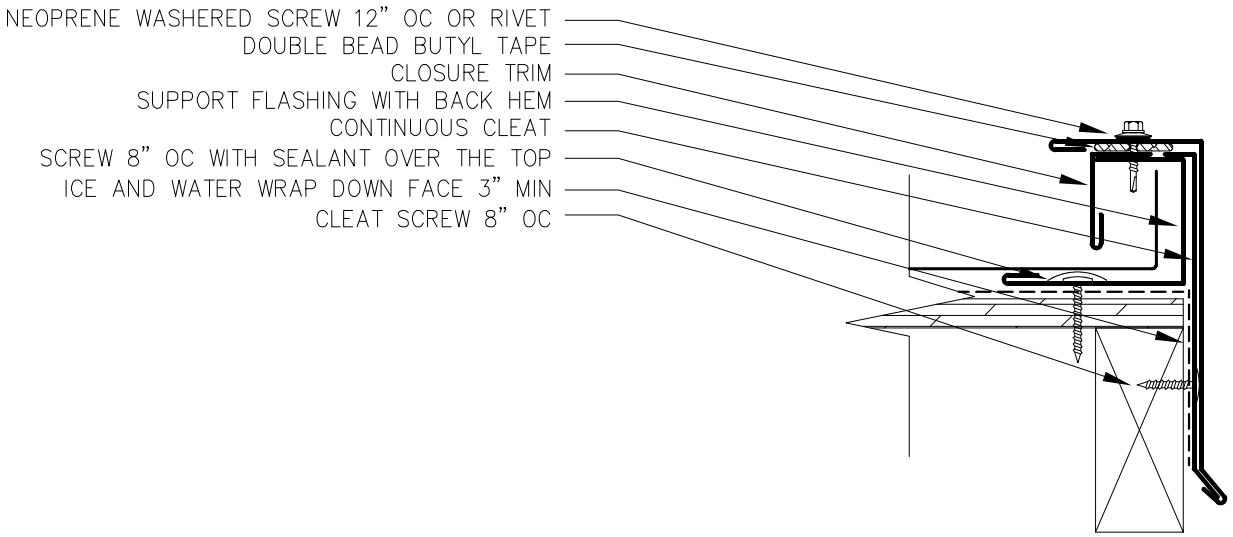


ALT CLOSURE (VSLF)



ALT GABLE (VSGS2)

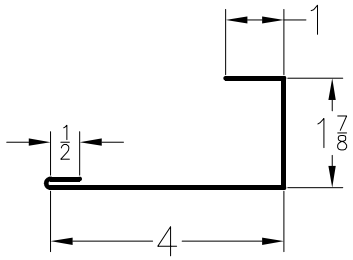




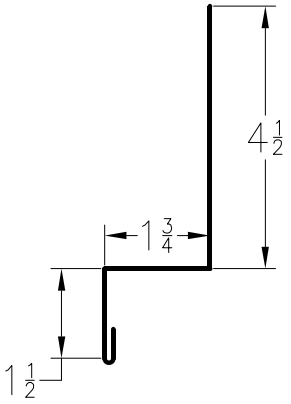
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

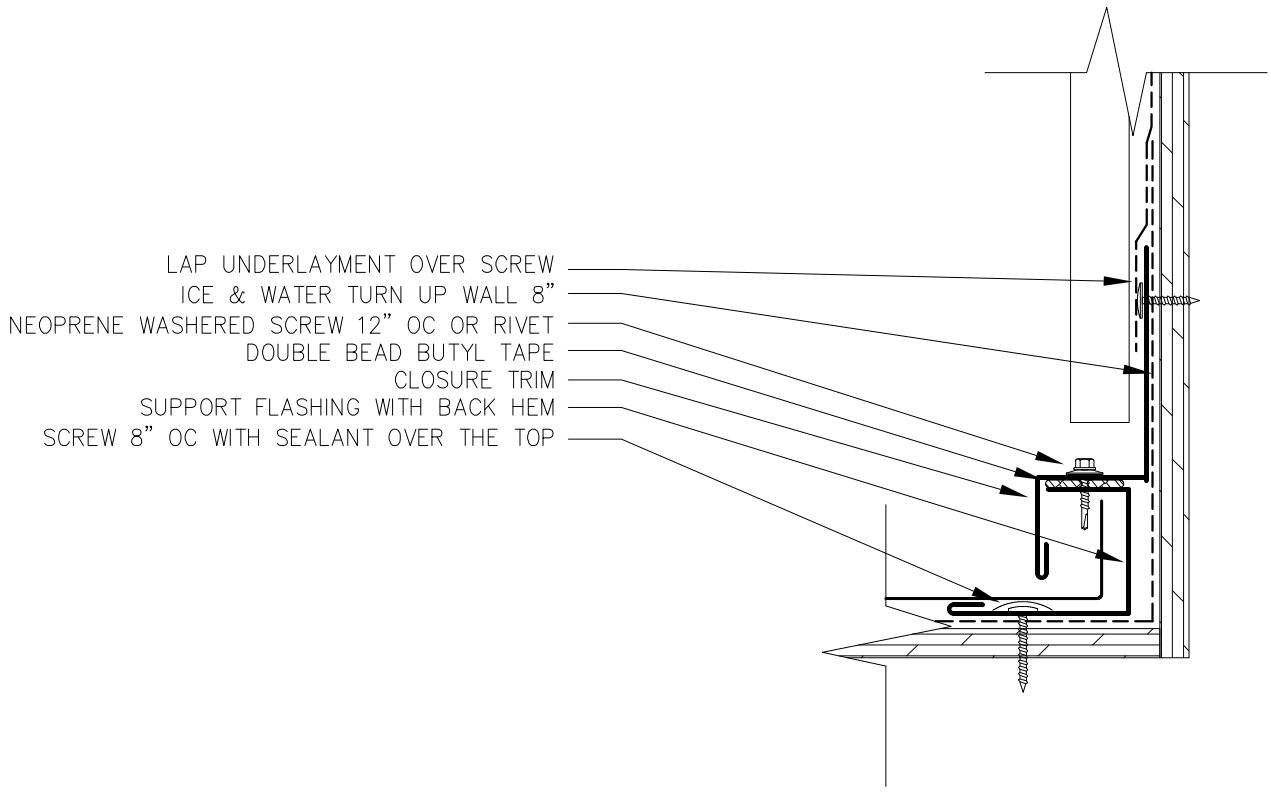
SIDE WALL

SUPPORT FLASHING (VSF)



SIDE WALL (VSSW)

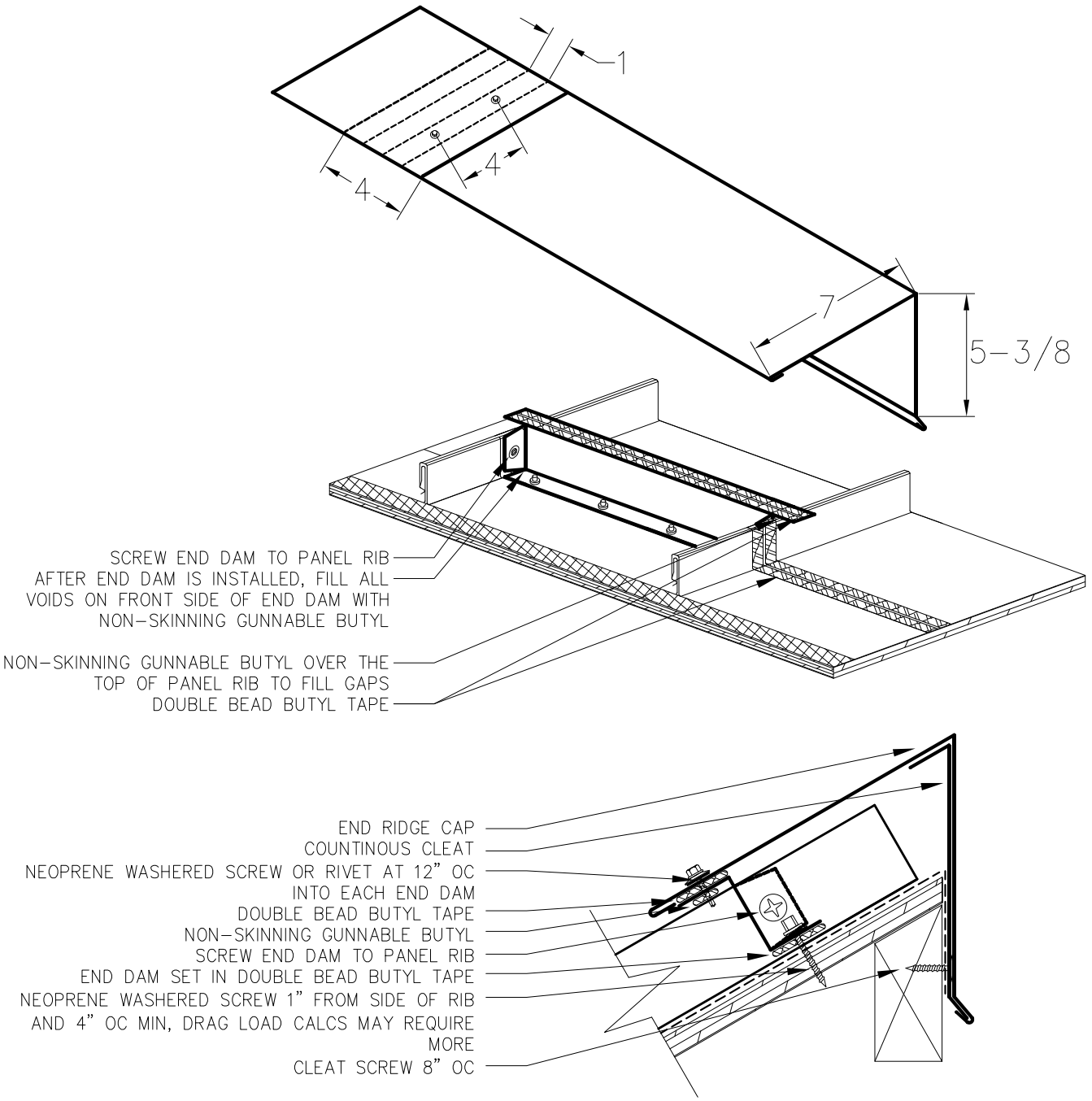




NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

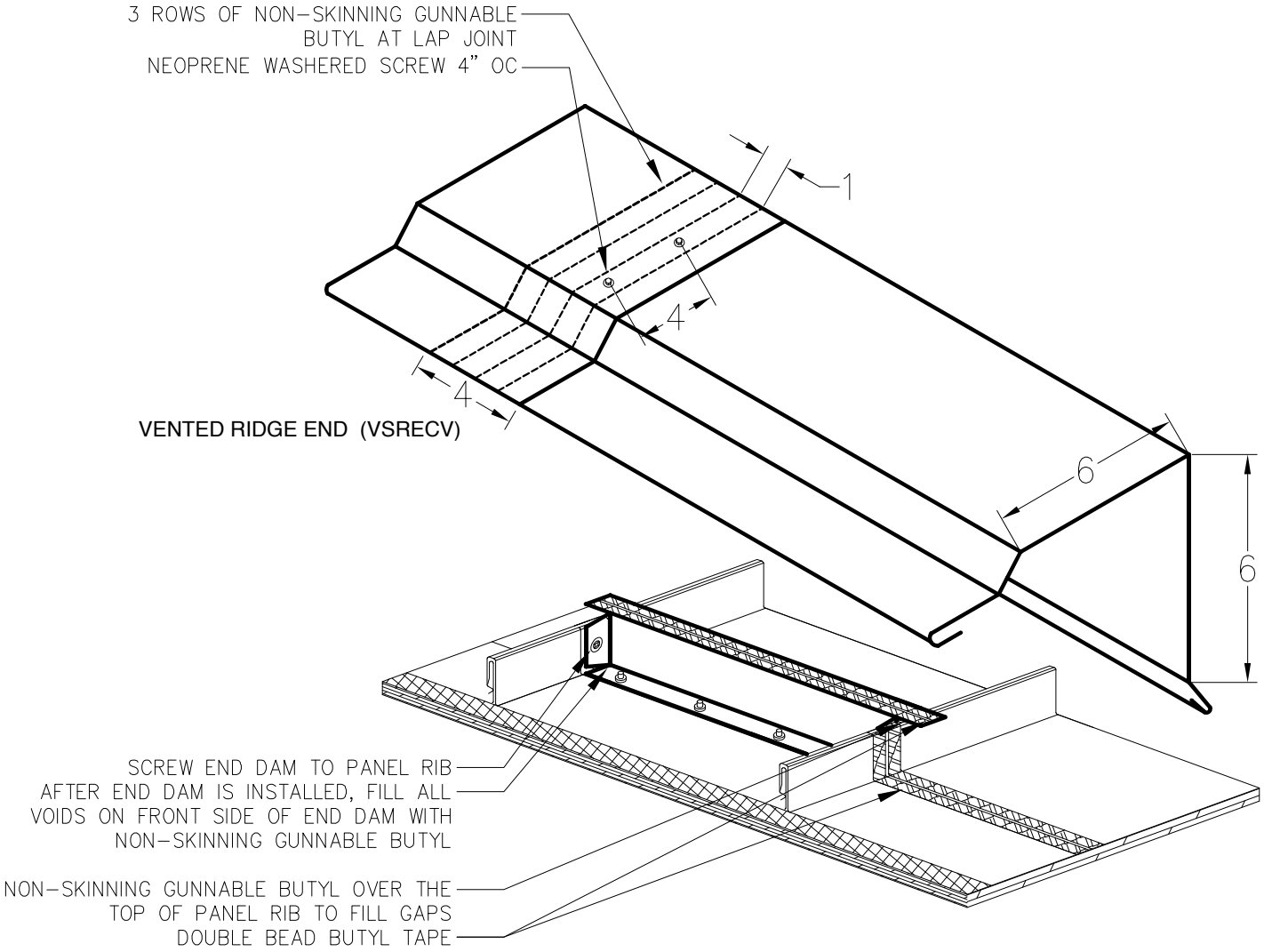
RIDGE END CAP

RIDGE END CAP (VSREC)

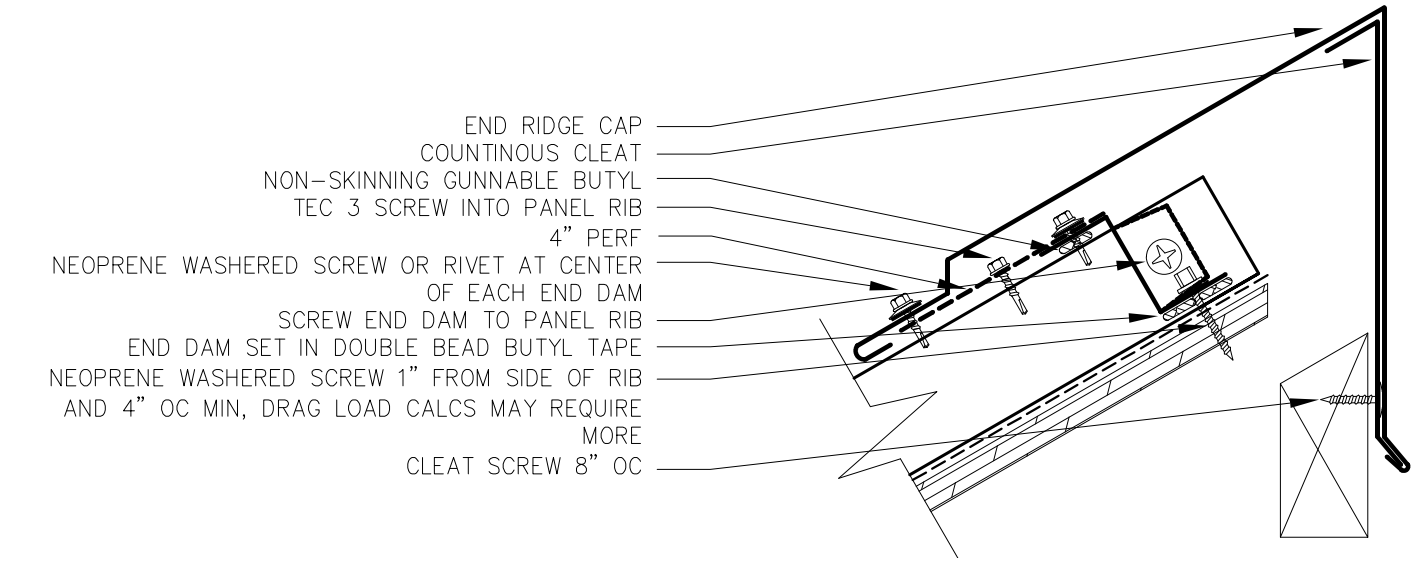


NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 3 rows of non–skinning gunnable butyl

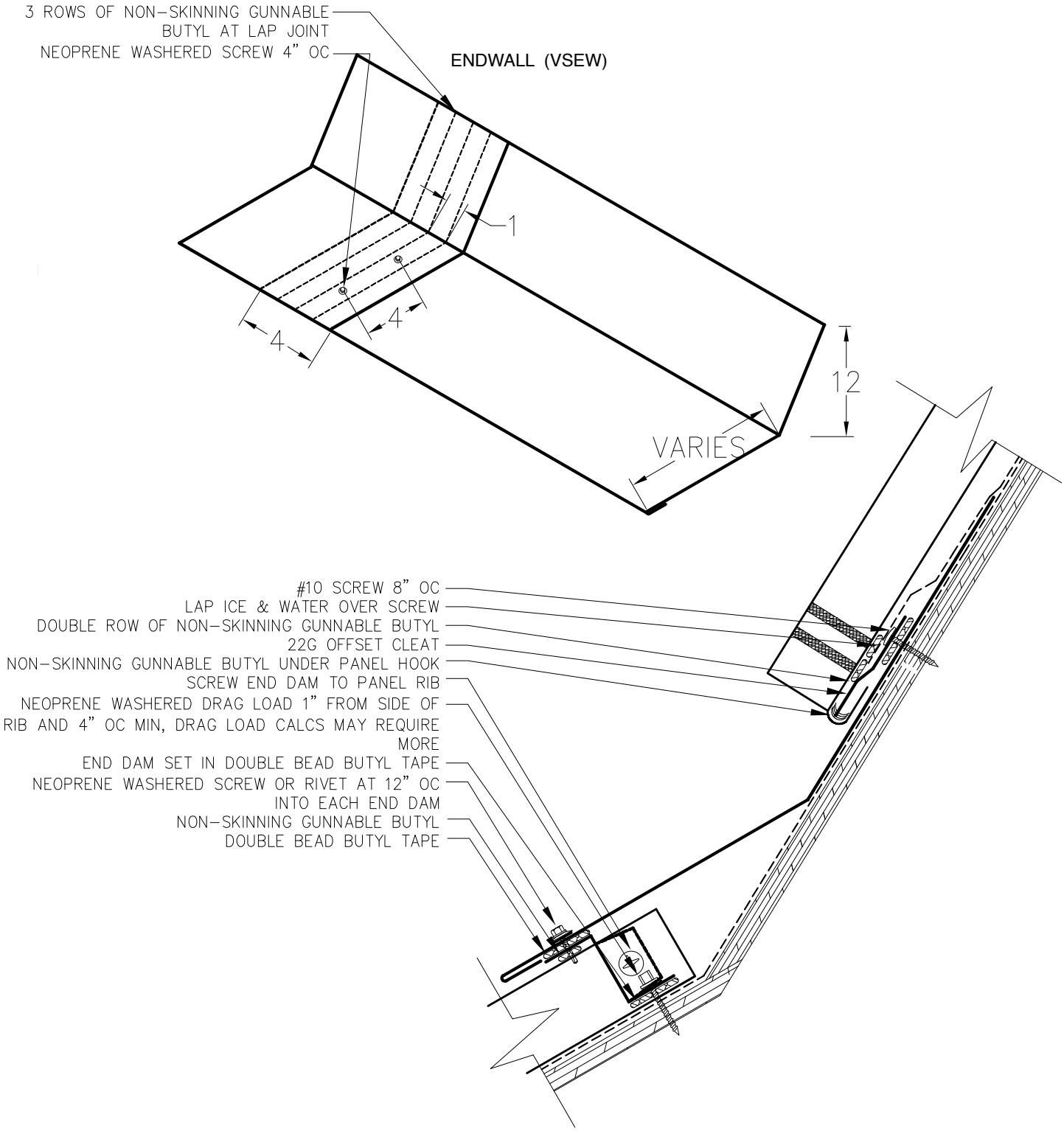
VENTED RIDGE END CAP



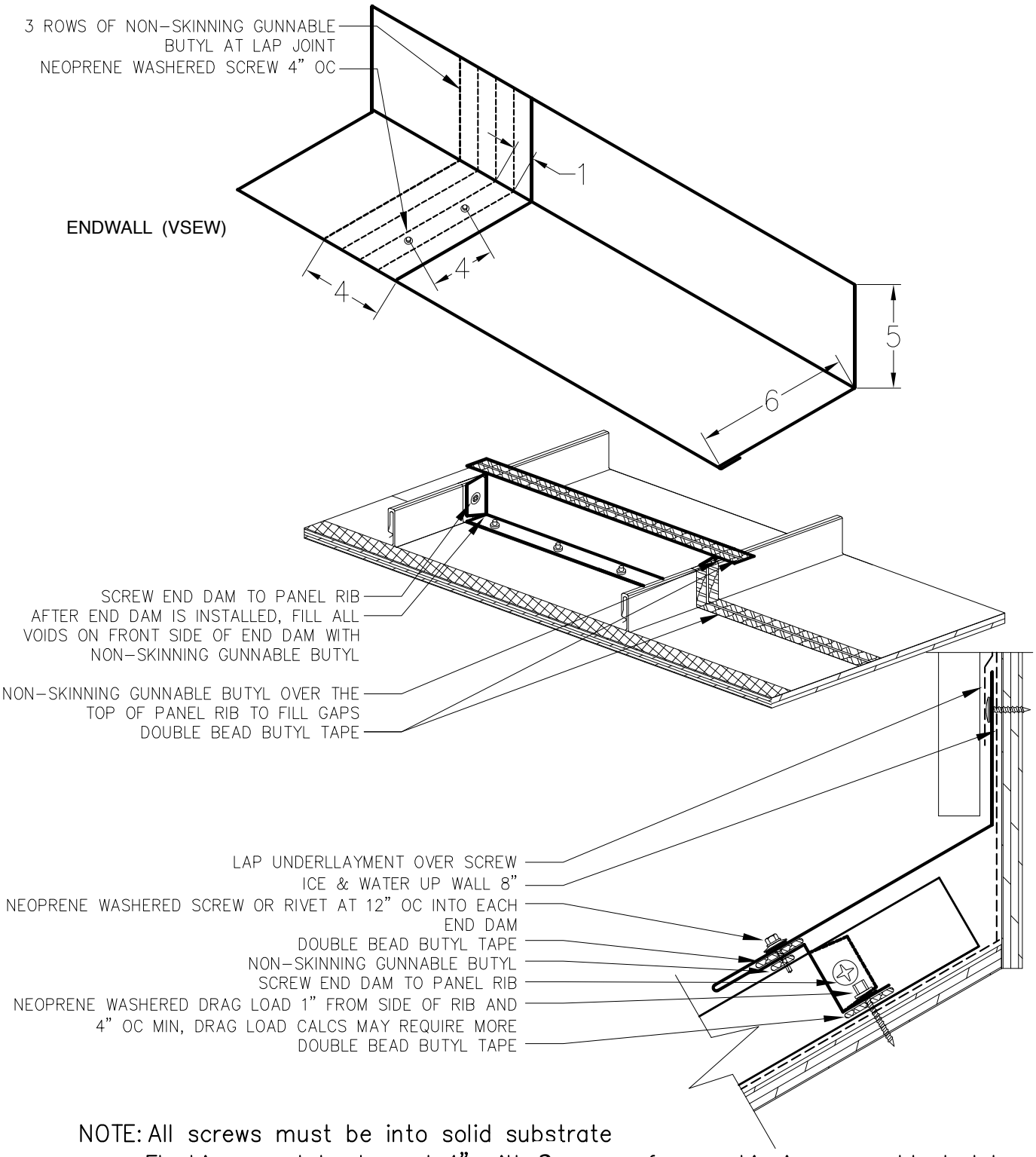
VENTED RIDGE END (VSRECV)



ROOF PITCH TRANSITION

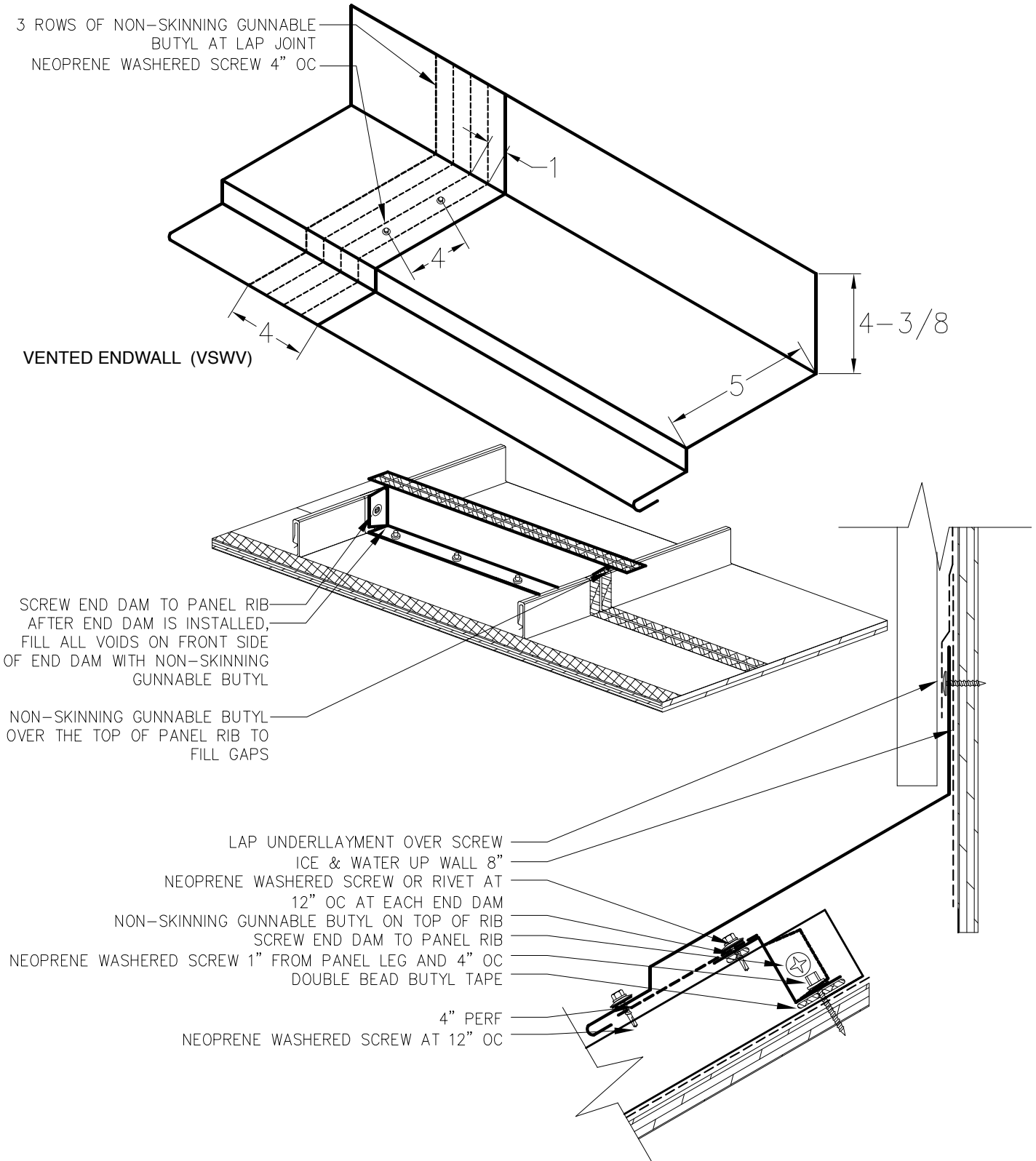


END WALL

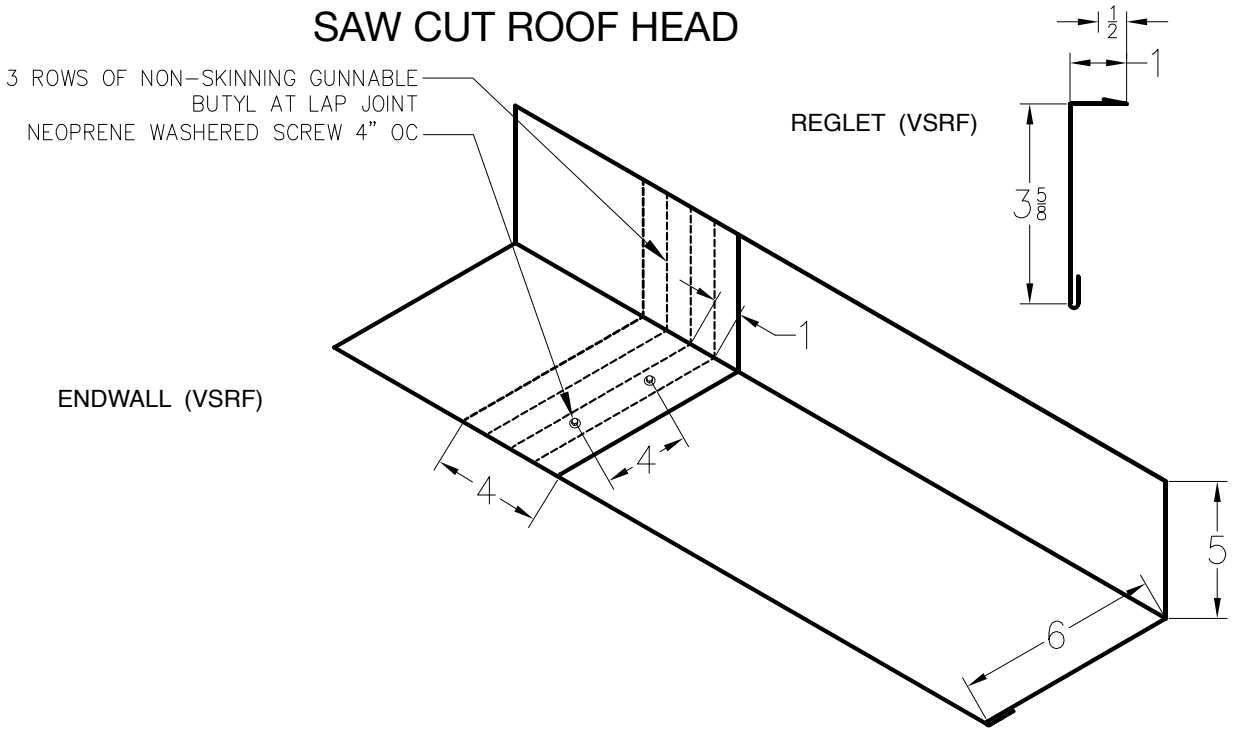


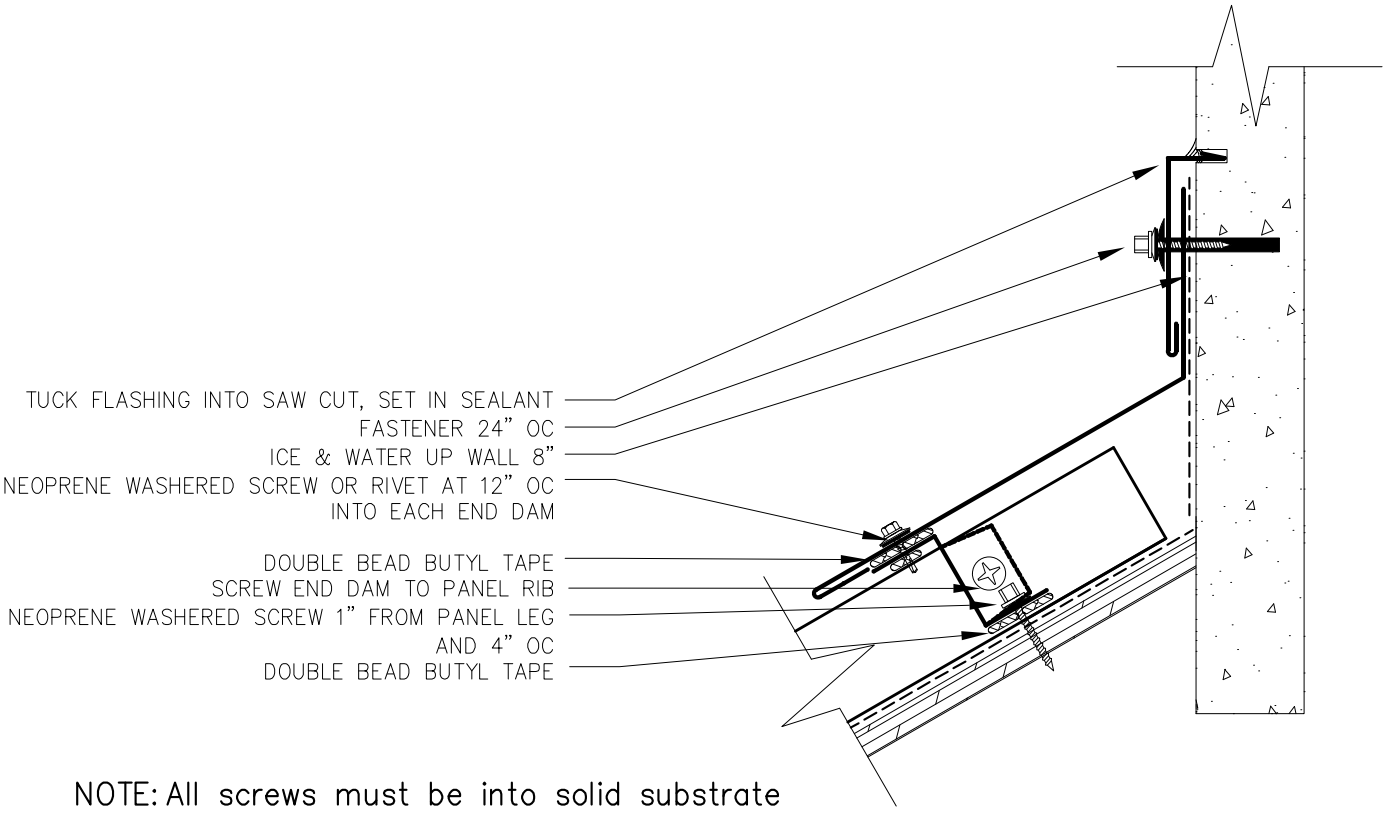
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 3 rows of non-skinning gunnable butyl

VENTED END WALL



SAW CUT ROOF HEAD

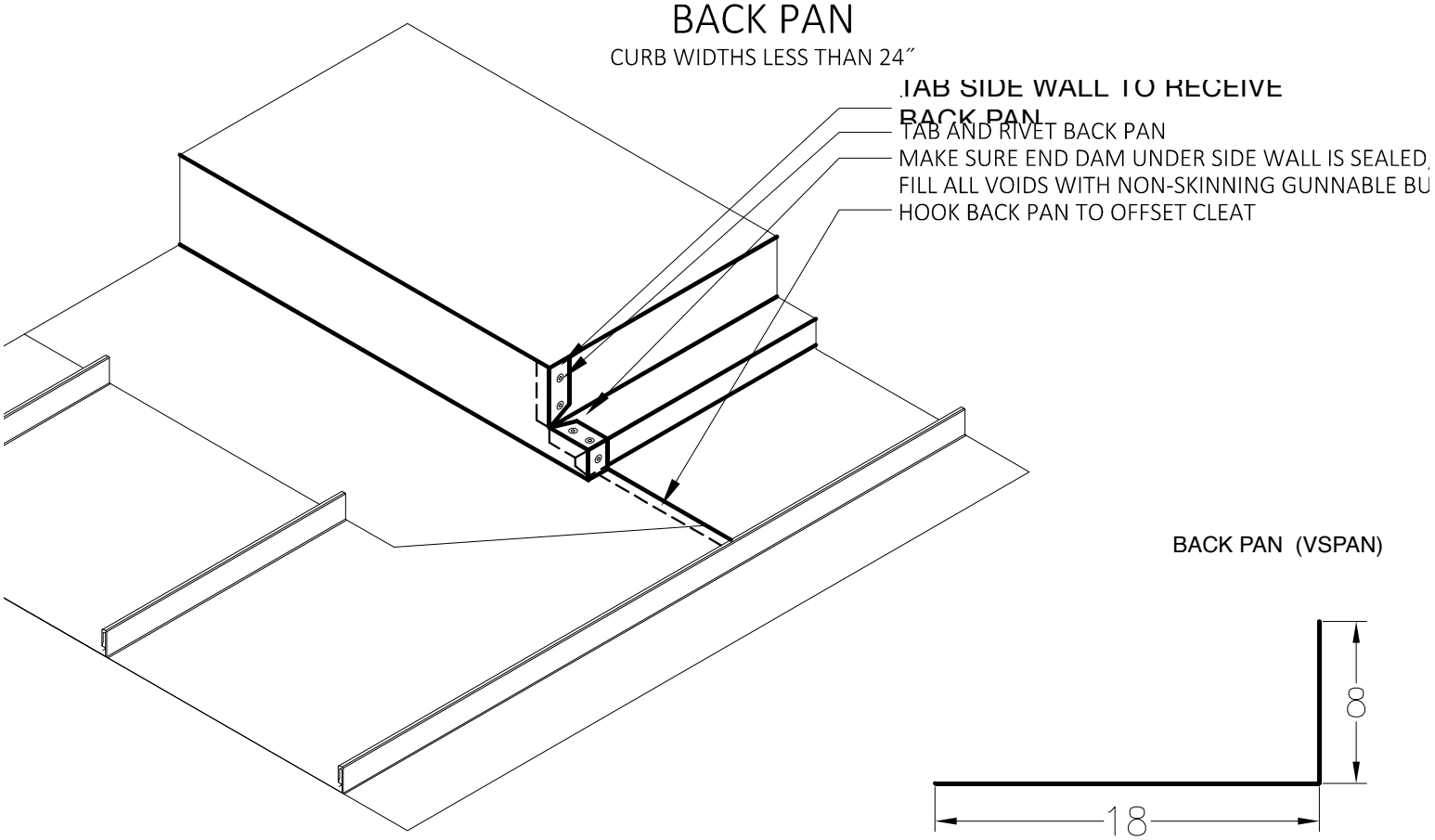




NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 3 rows of non–skinning gunnable butyl

BACK PAN

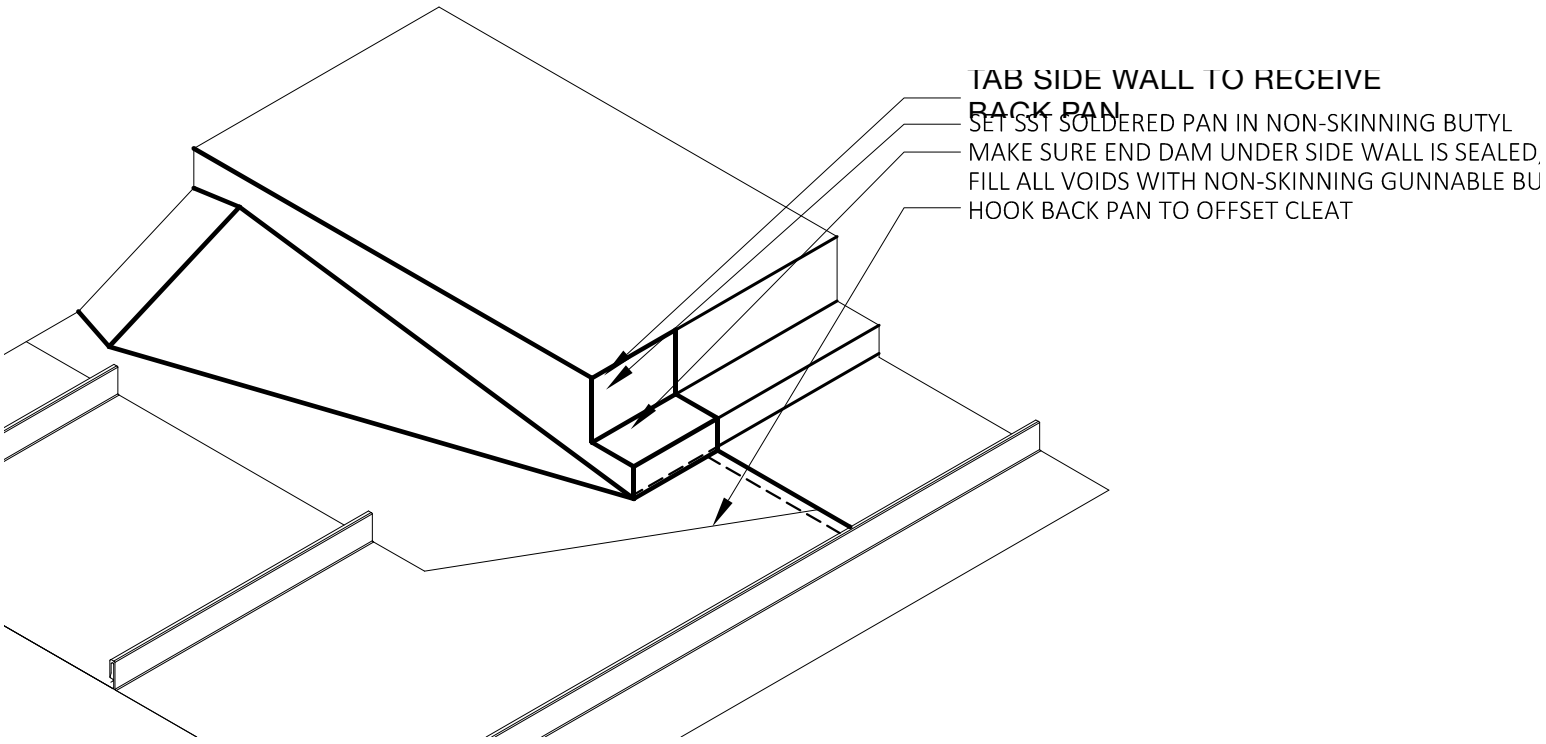
CURB WIDTHS LESS THAN 24″



BACK PAN (VSPAN)

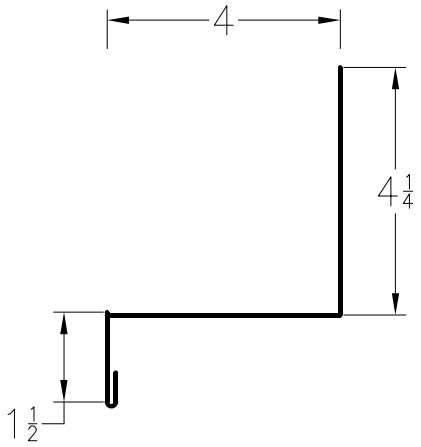
SOLDERED BACK PAN

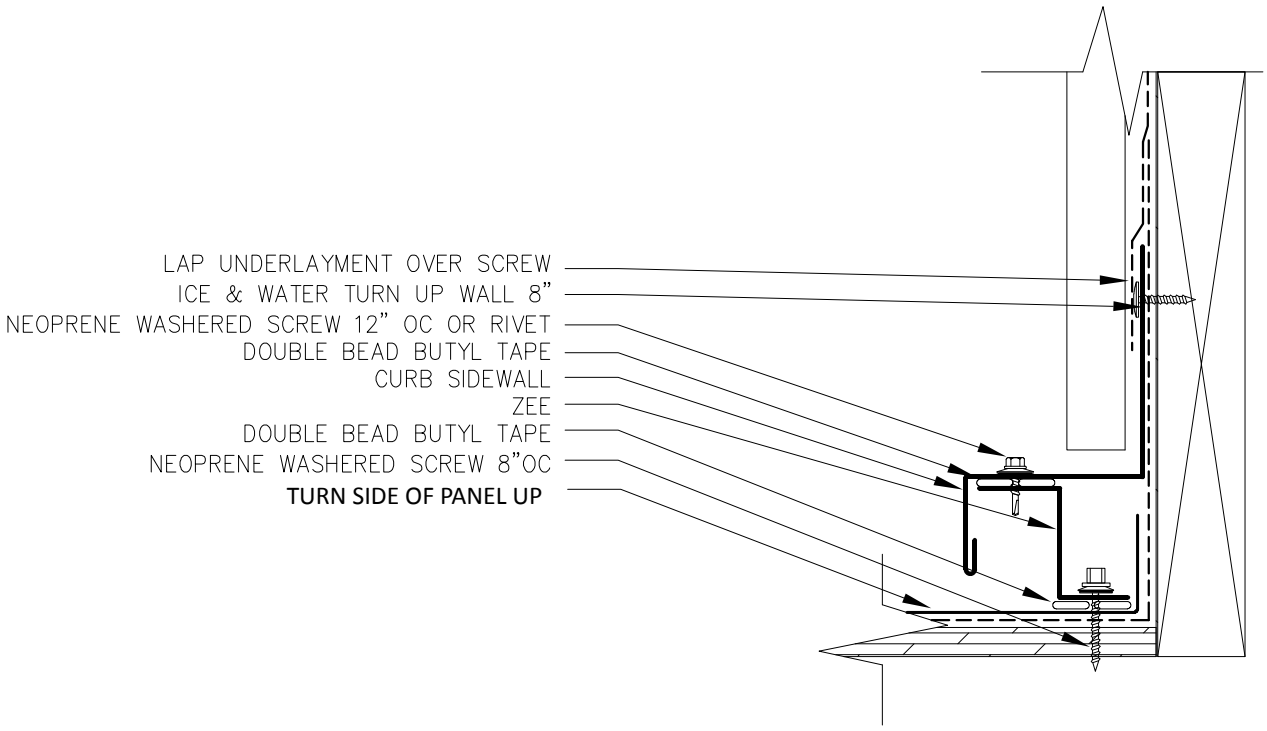
CURB GREATER THAN 24″



CURB SIDE WALL

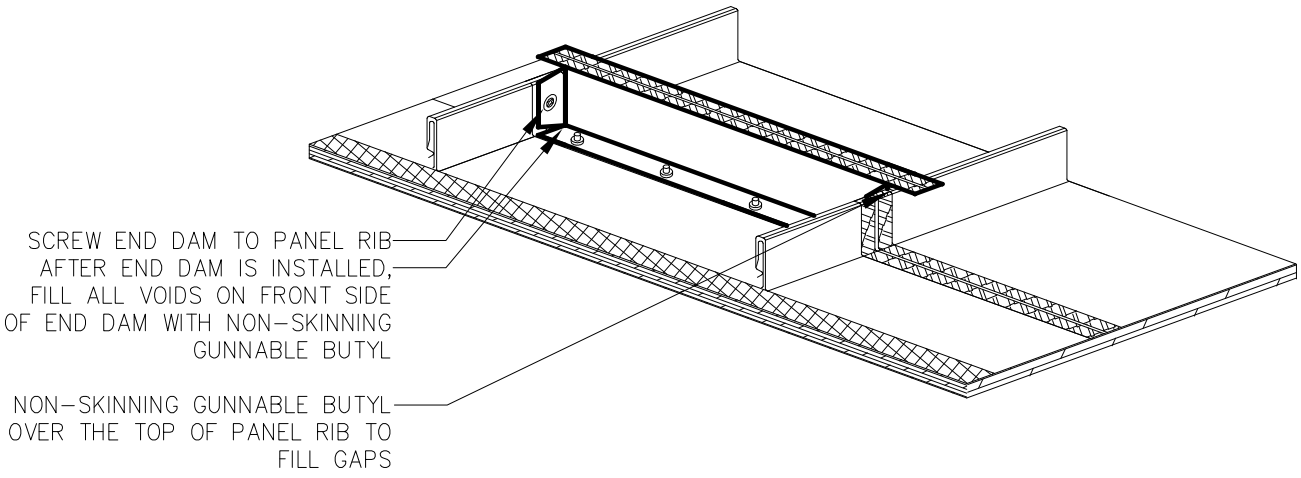
CURB SIDEWALL (VSSWC)

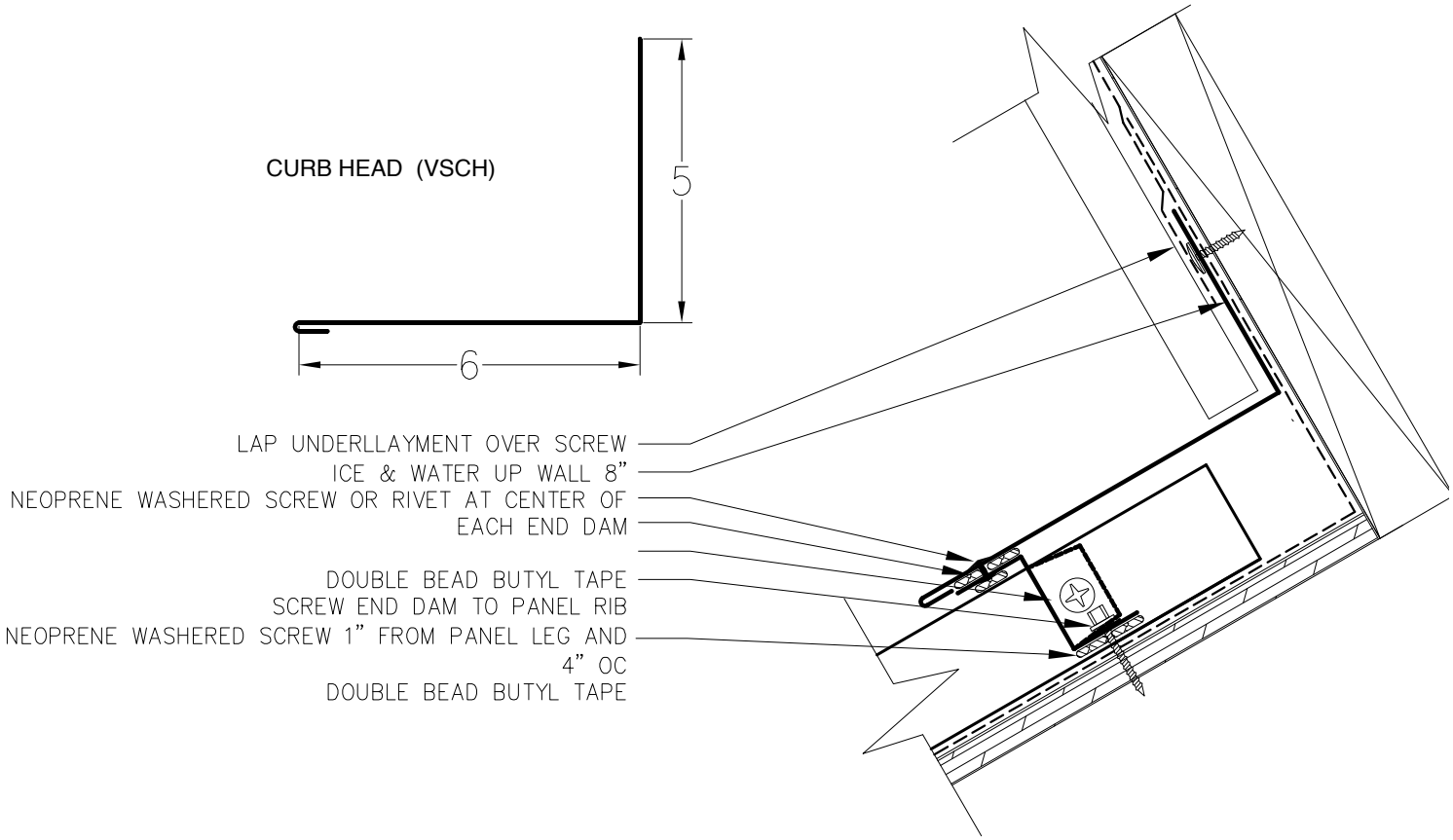




NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

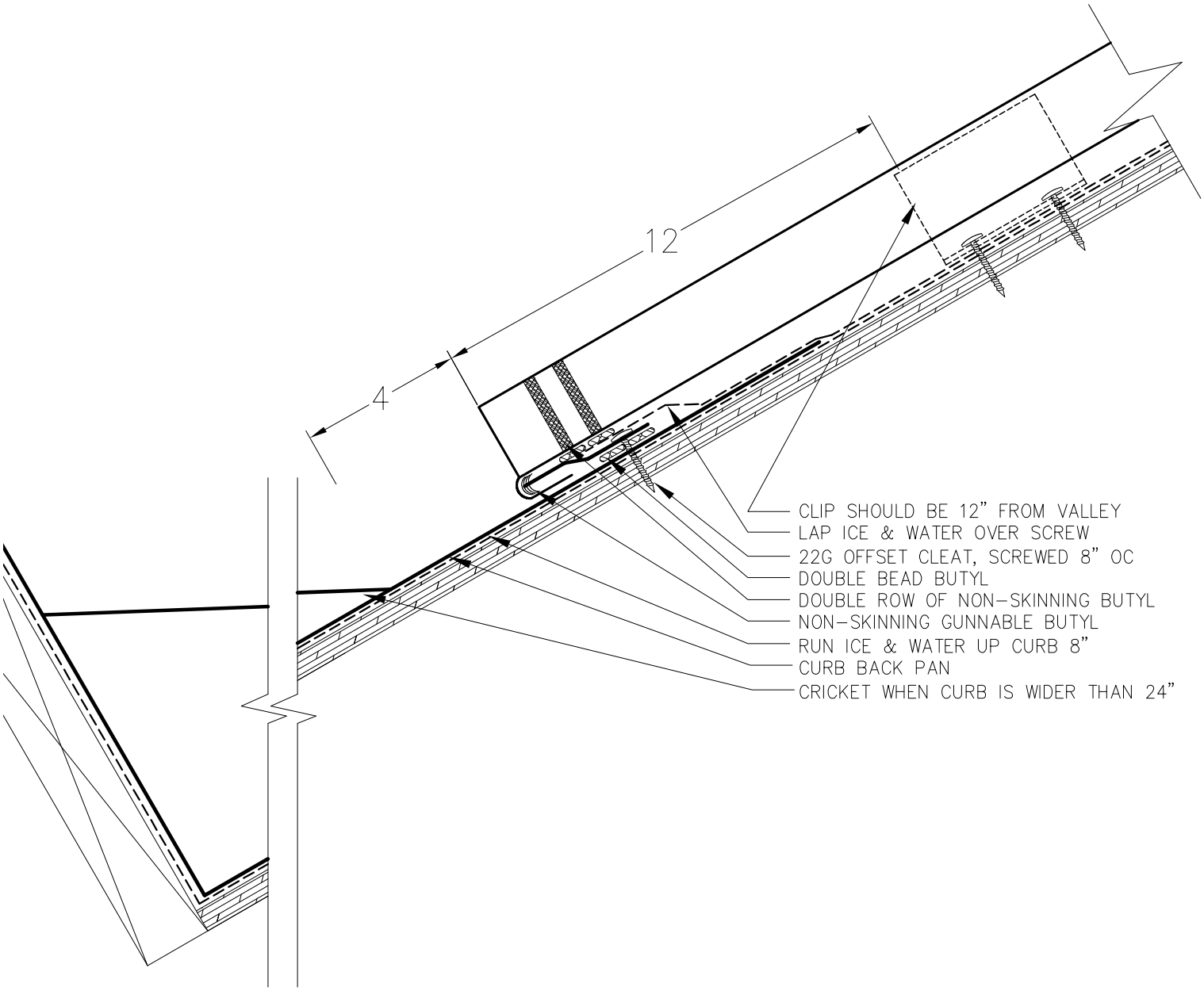
CURB HEAD





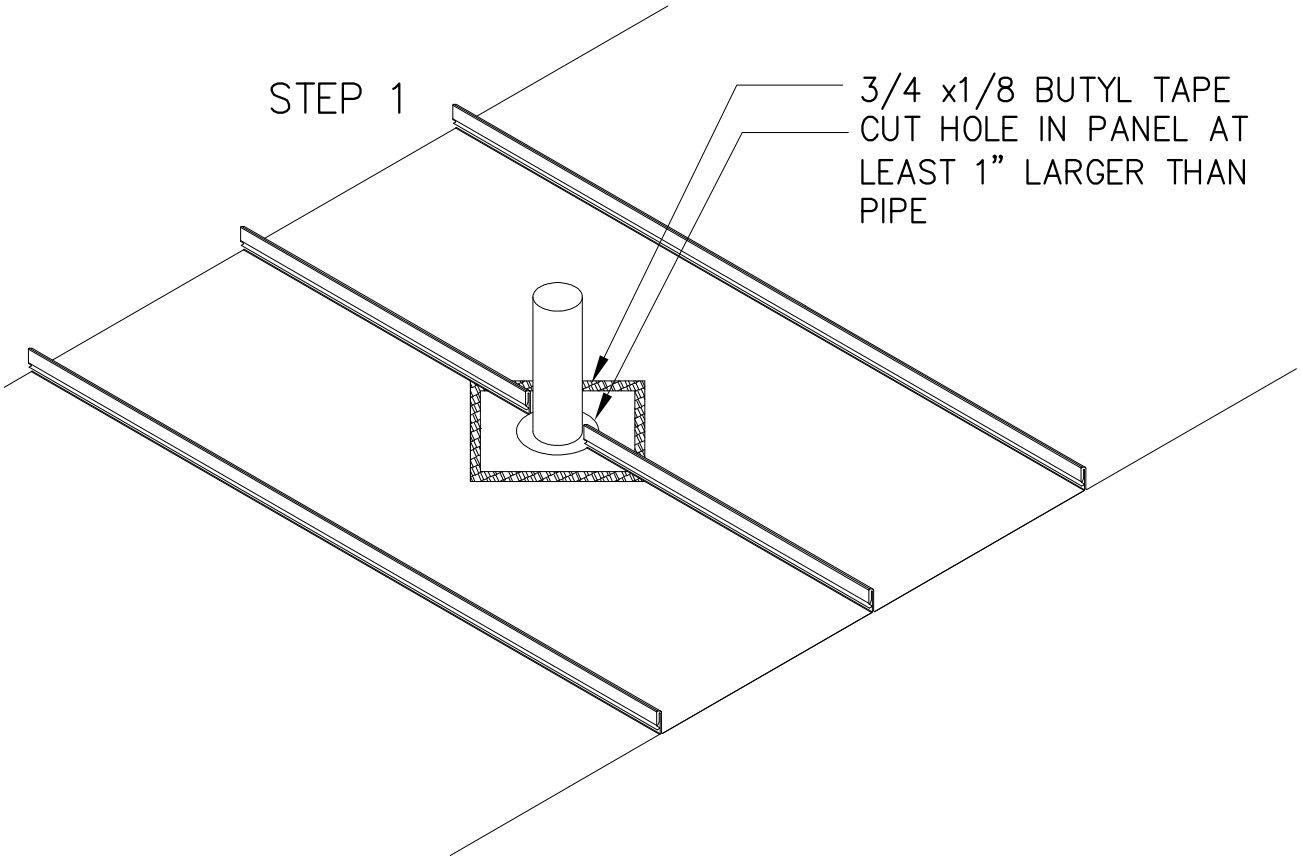
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

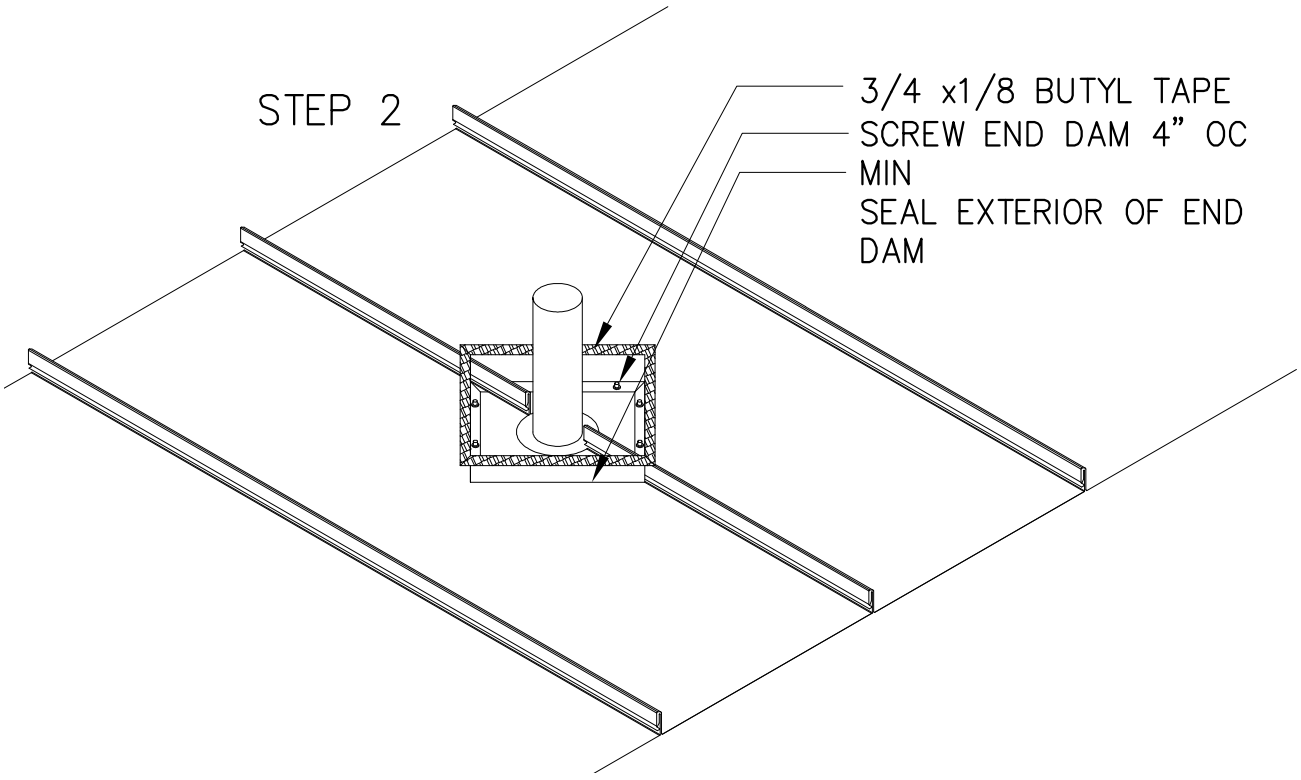
CURB PAN/CRICKET



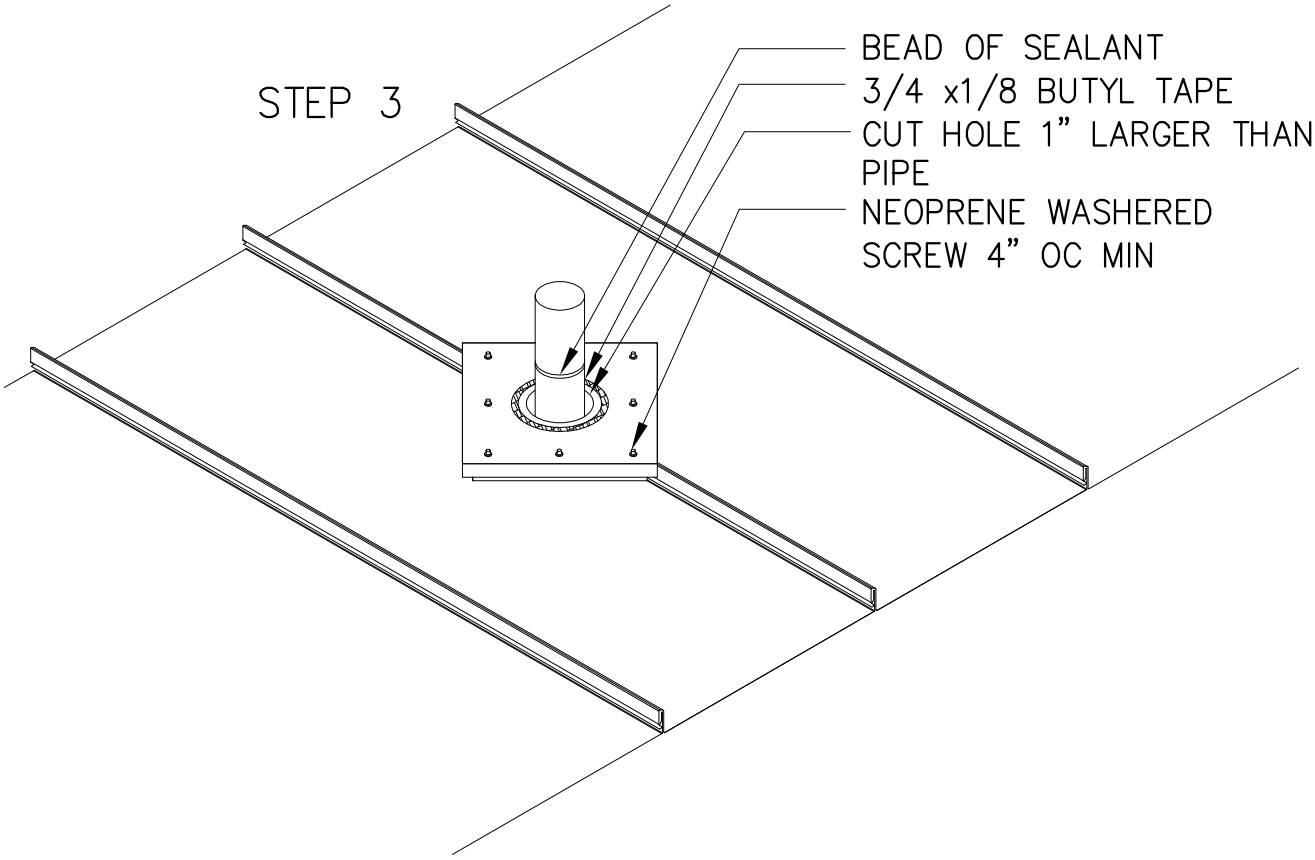
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

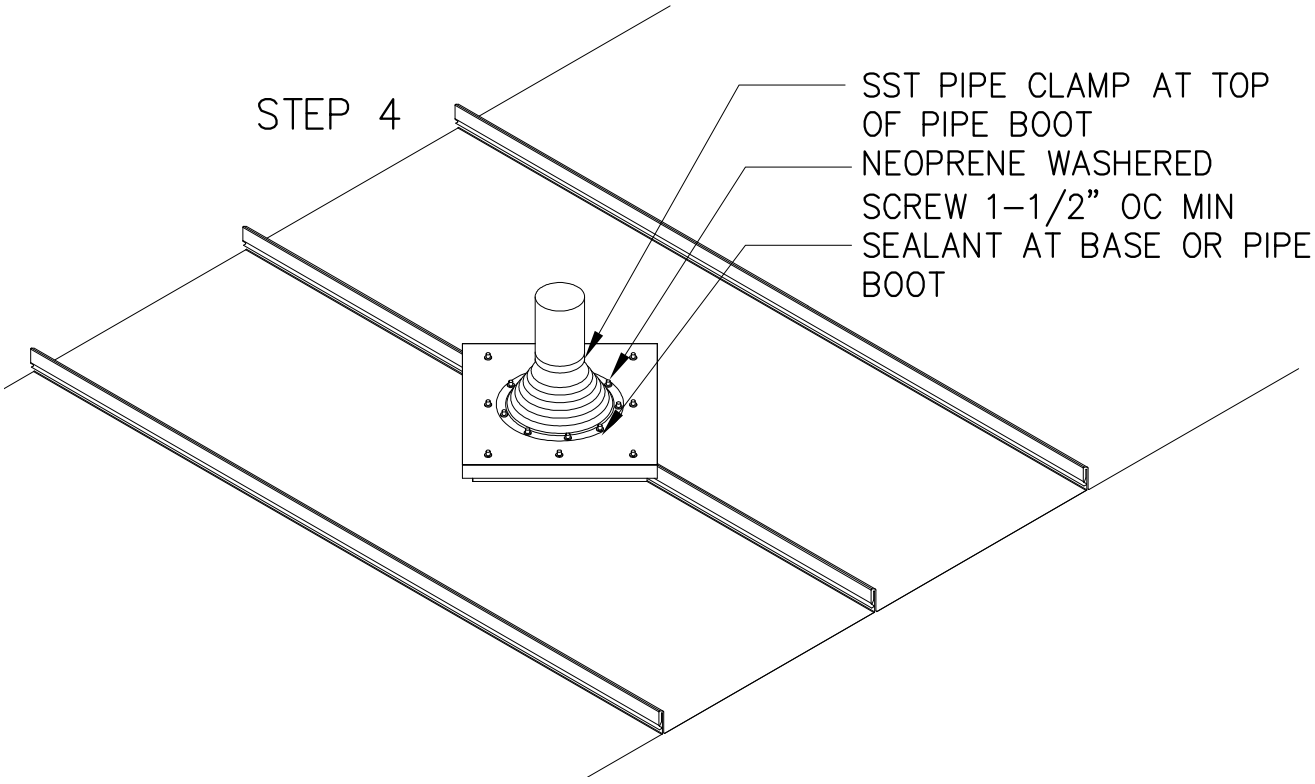
PIPE PENETRATION



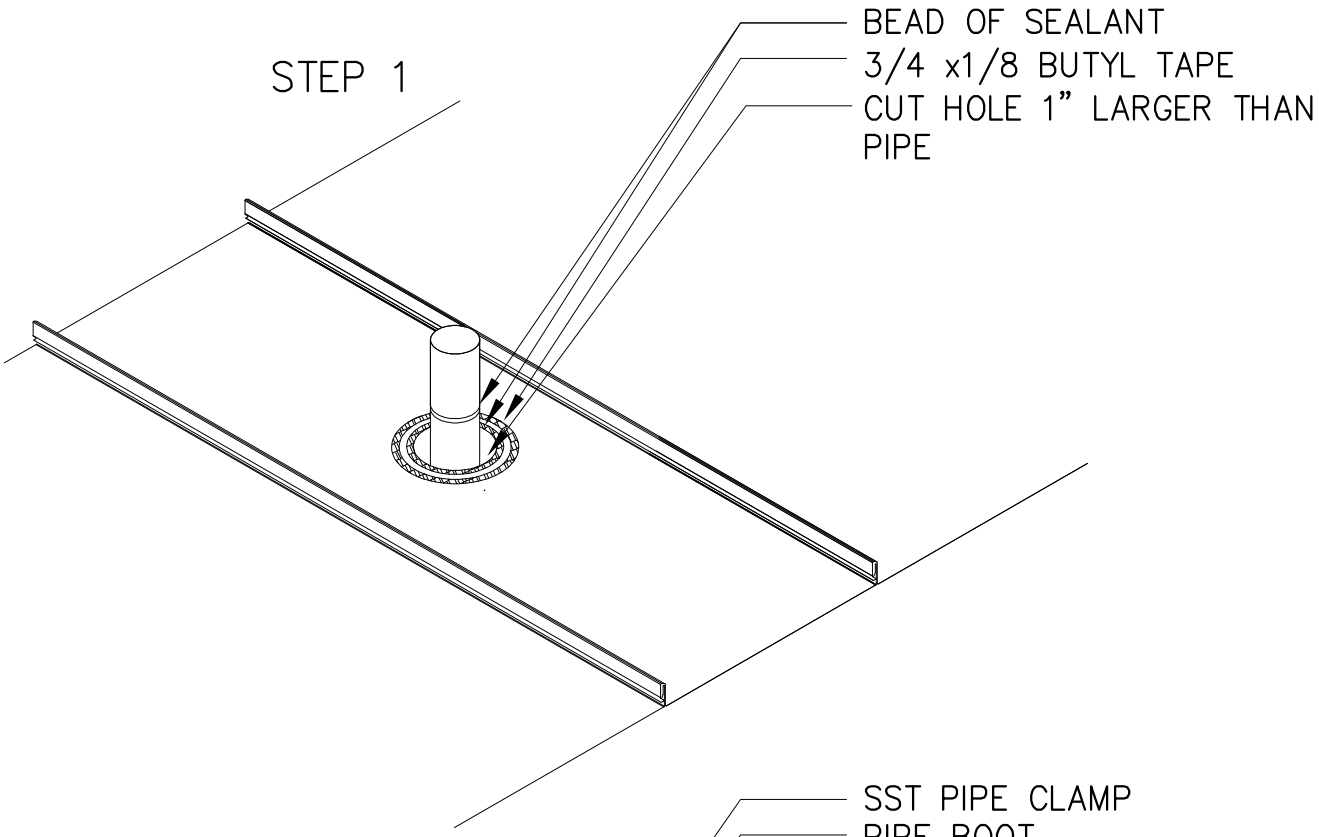


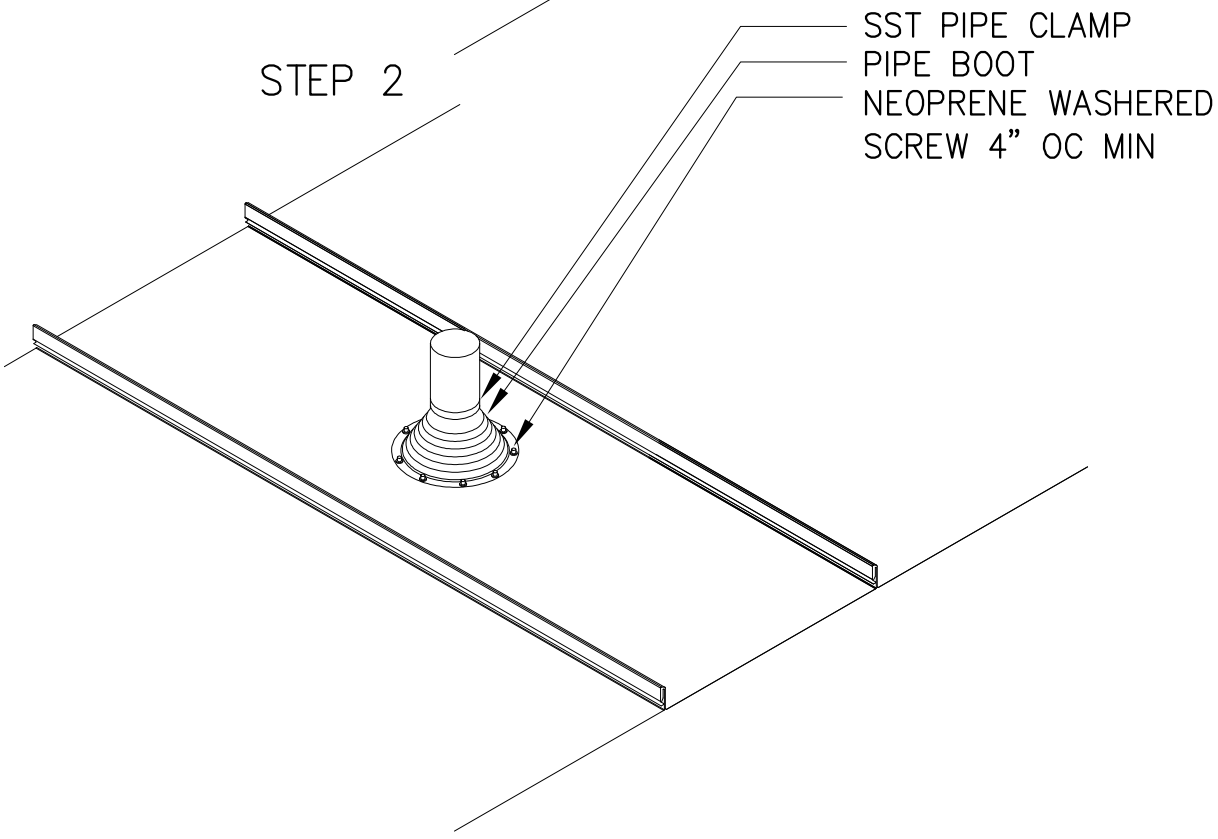
PIPE PENETRATION



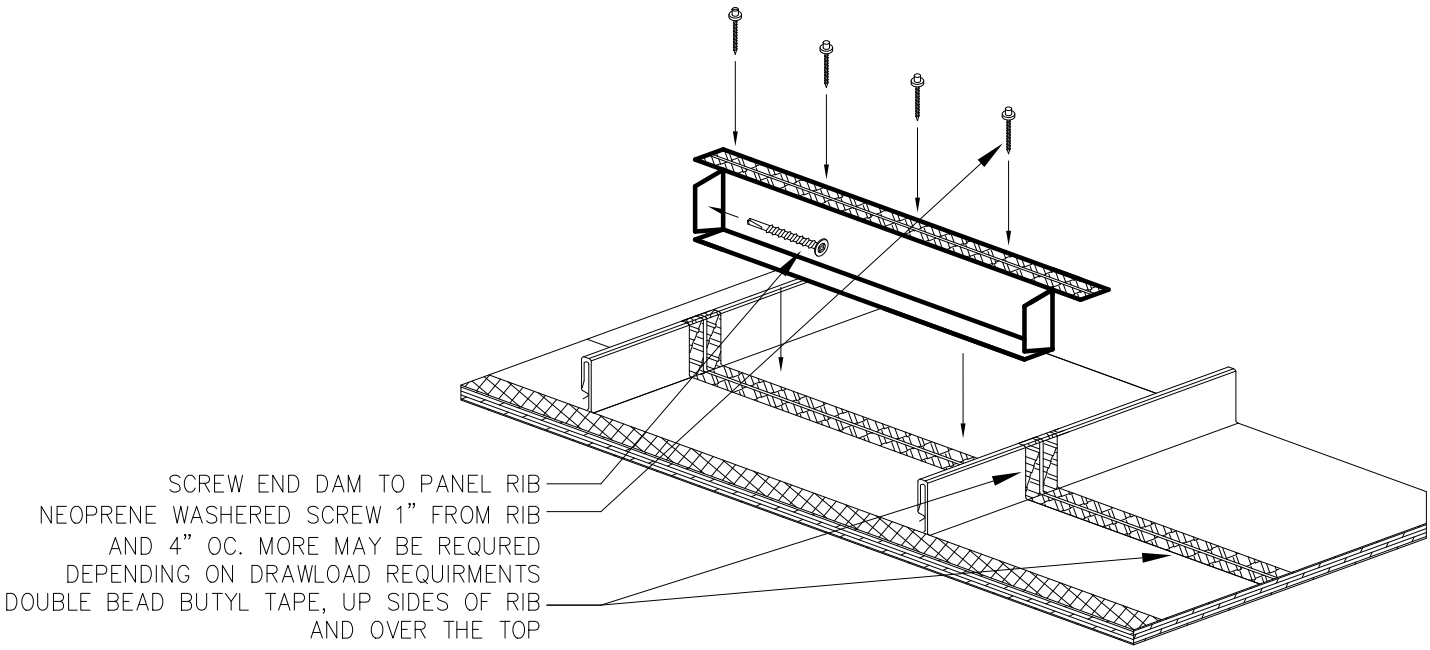


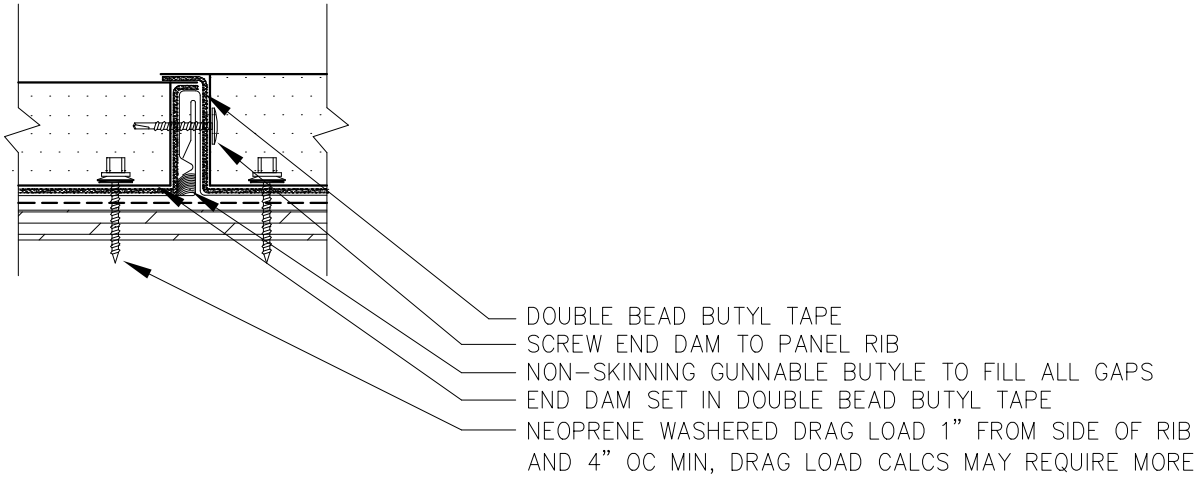
PIPE PENETRATION



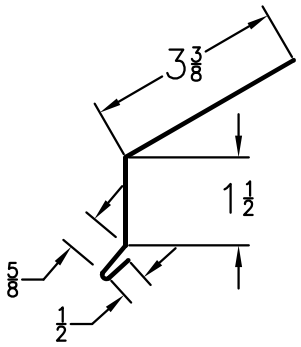


END DAM

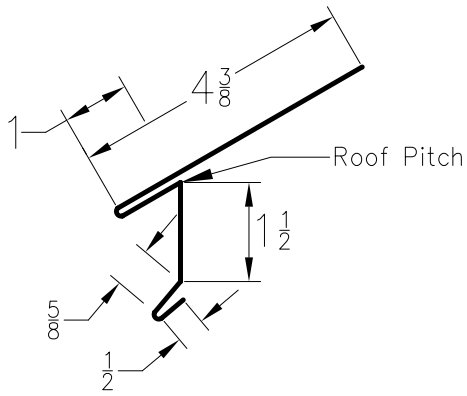

SCREW END DAM TO PANEL RIB
NEOPRENE WASHERED SCREW 1" FROM RIB AND 4" OC. MORE MAY BE REQURED DEPENDING ON DRAWLOAD REQUIRMENTS
DOUBLE BEAD BUTYL TAPE, UP SIDES OF RIB AND OVER THE TOP


DOUBLE BEAD BUTYL TAPE
SCREW END DAM TO PANEL RIB
NON-SKINNING GUNNABLE BUTYLE TO FILL ALL GAPS
END DAM SET IN DOUBLE BEAD BUTYL TAPE
NEOPRENE WASHERED DRAG LOAD 1" FROM SIDE OF RIB AND 4" OC MIN, DRAG LOAD CALCS MAY REQUIRE MORE

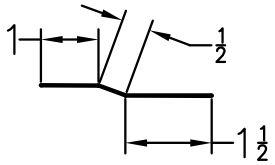
EAVE STANDARD (VSES)



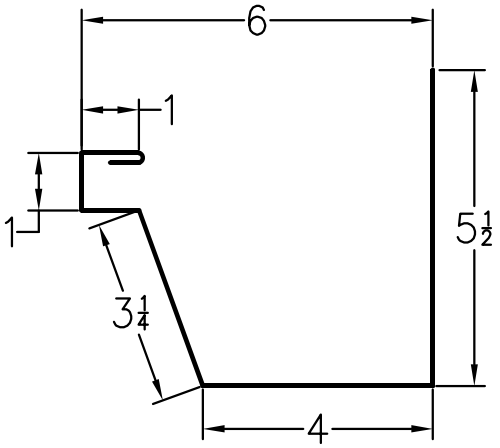
EAVE HOOK (VSEH)



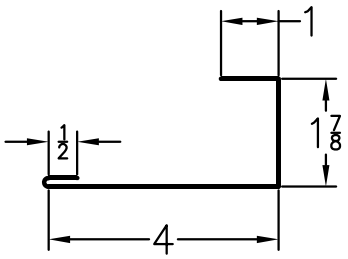
OFFSET CLEAT (VSOC)



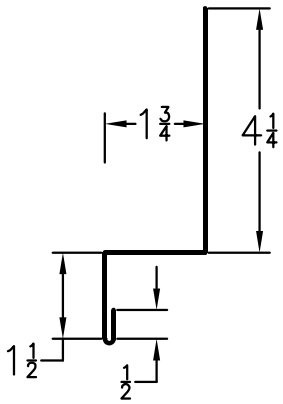
BOX GUTTER (VSBG)



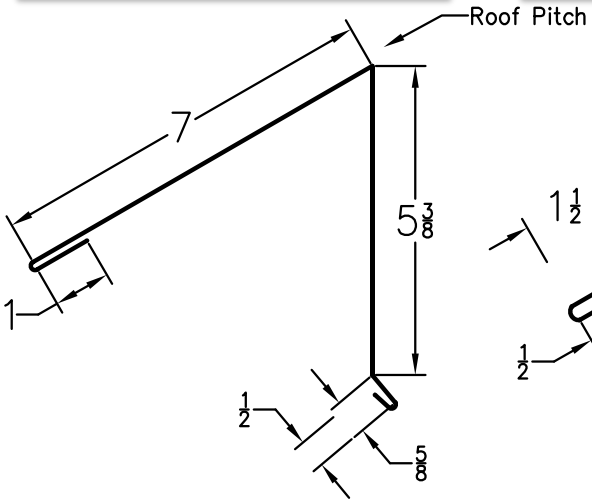
SUPPORT FLASHING (VSSF)



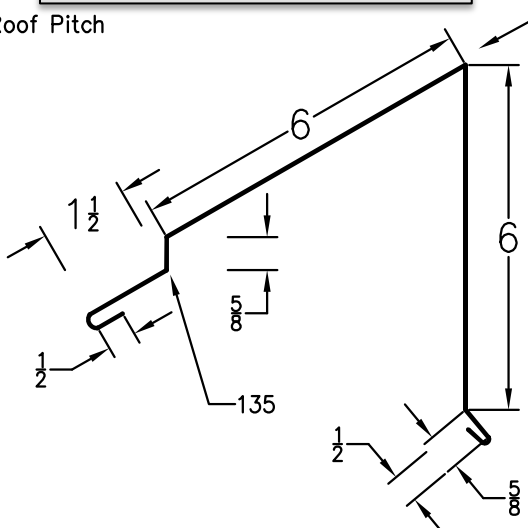
SIDE WALL (VSSW)



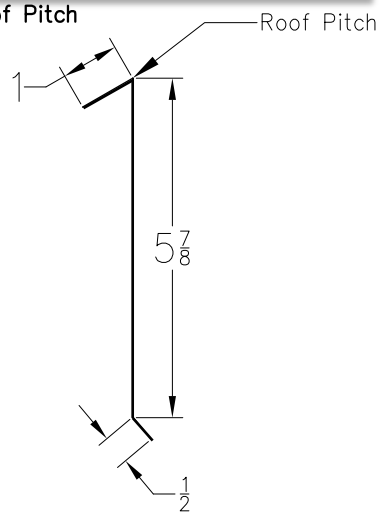
RIDGE END CAP (VSREC)



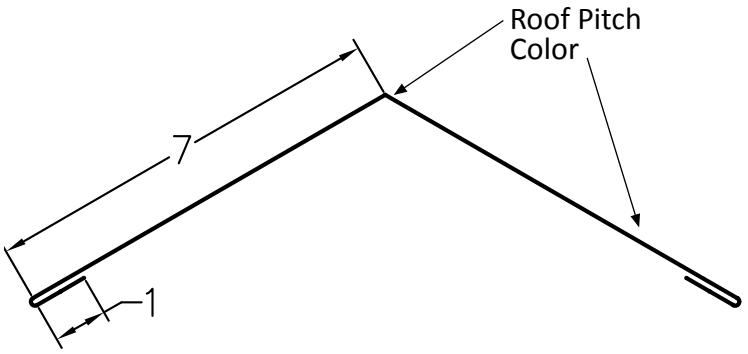
VENTED RIDGE END(VSRECV)



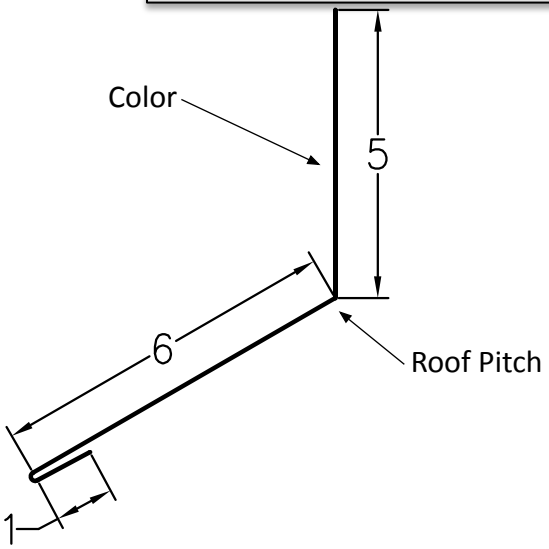
SUPPORT CLEAT (VSSC)



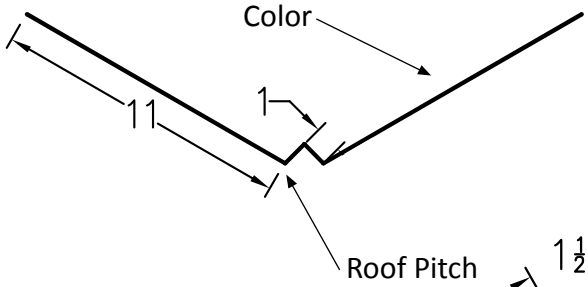
RIDGE (VSRS)



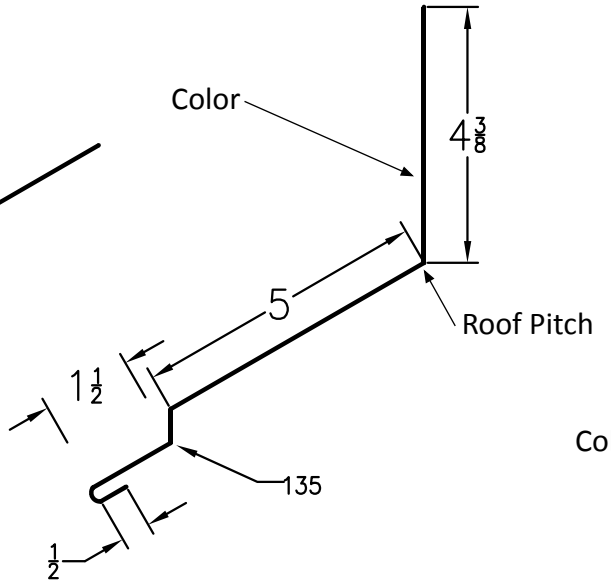
ENDWALL (VSEW)



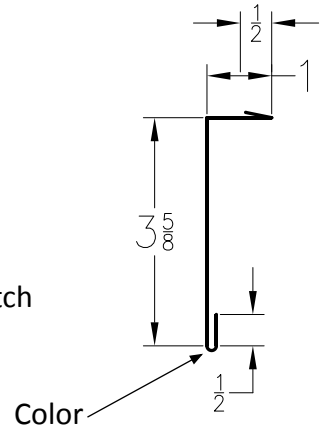
VALLEY FLASHING (VSVF)



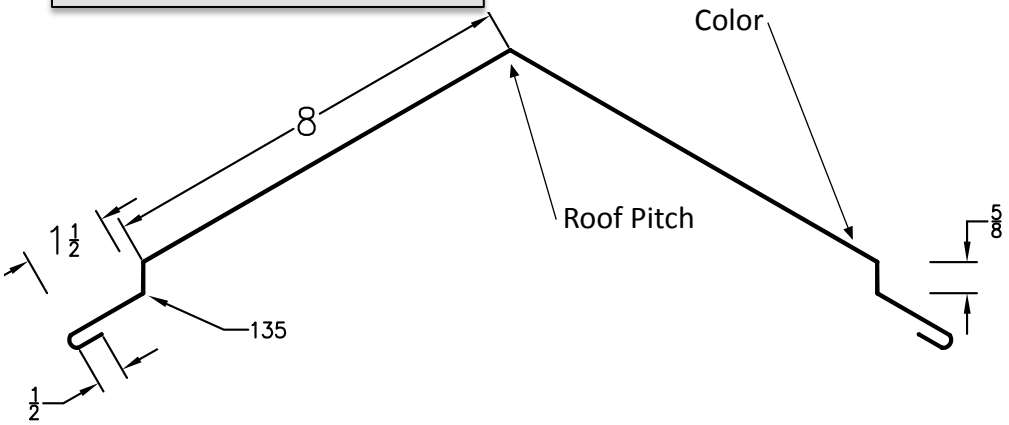
VENTED ENDWALL (VSWV)



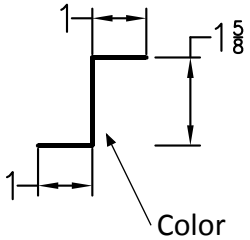
REGLET (VSRF)



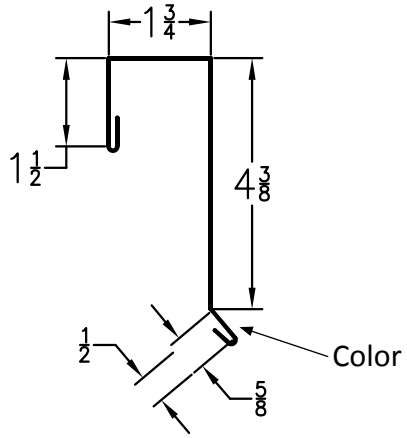
VENTED RIDGE (VSRFV)



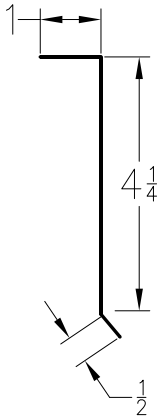
ZEE CLOSURE (VSZF)



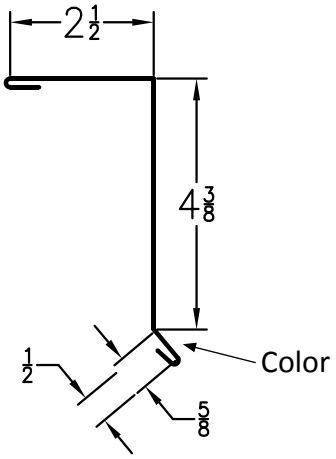
STANDARD GABLE (VSGS1)



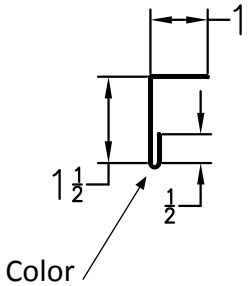
GABLE SUPPORT (VSGSF)



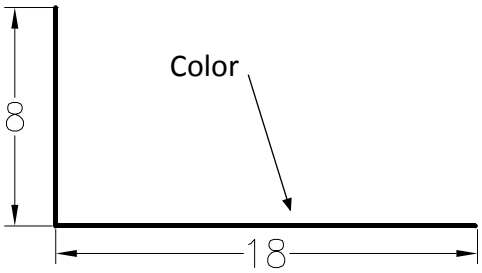
ALT GABLE (VSGS2)



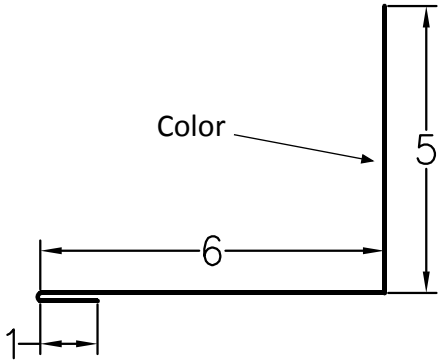
ALT L CLOSURE (VSLF)



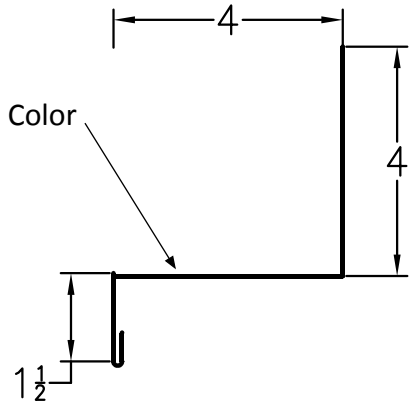
BACK PAN (VSPAN)



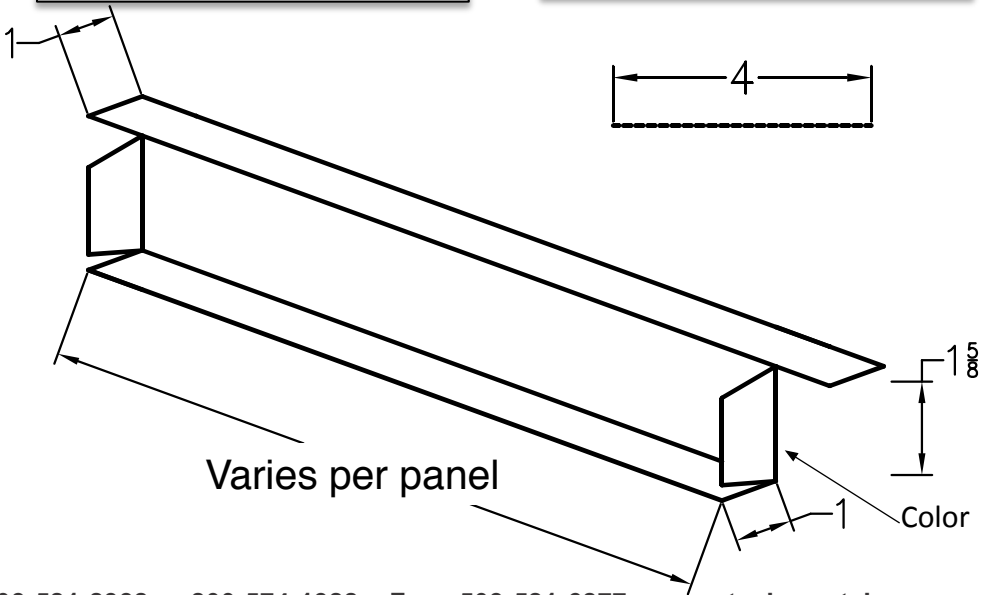
CURB HEAD (VSCH)



CURB SIDEWALL (VSSWC)



END DAM (VSED)



PERF (VSPF)

TAYLOR
METAL PRODUCTS

MS200™ Flashings and Details Guide

Taylor Metal Products - Phone: 503-581-8338 or 800-574-1388 - Fax: 503-581-6877 - www.taylormetal.com

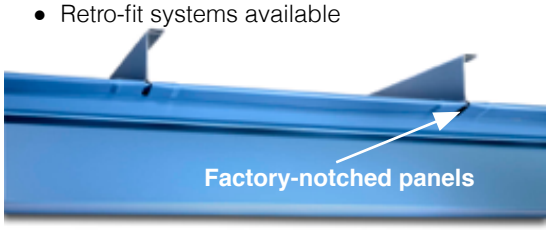
TAYLOR METAL PRODUCTS

MS-200™ & MS-200™ NL

MECHANICALLY SEAMED

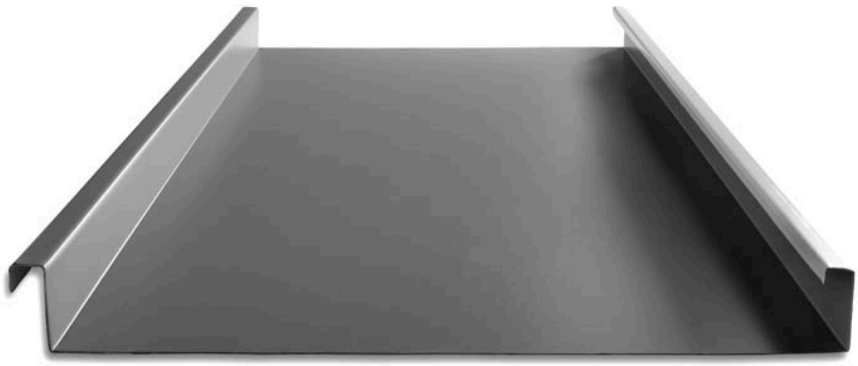
Key Features

- 12″ to 18″ options available
- 24, 22 Tru-Gauge™ and .032 Aluminum
- Floating clip system: allows for expansion/contraction of panels in longer lengths
- 2″ Mechanical seam rib, 90° or 180° Factory notching available
- Factory injected Butyl sealant
- Structural panel that will span up to 5'
- Concealed fasteners: fasteners cannot leak
- Manufactured in Sacramento, CA & Salem, OR
- UL - Code compliance UL Evaluation Report UL ER 25913-01
- UL580 Class 90 wind uplift, UL Class A fire rated
- UL Construction No. 90, 176, 180, 238, and 238A
- ASTM E-1592-Structural uniform static air pressure
  ASTM 1646- Water infiltration
  ASTM 2140- Water infiltration
  ASTM 1680- Air infiltration
- Weather tightness warranty available
  (Contact TMP representative for details)
- ½:12 minimum pitch recommended:
  For lower pitches please inquire
- Standard panel lengths 2' to 65':
  For longer pitches please inquire
- Onsite roll forming available for long lengths
- Pan options: Flat pan, Accent ribs, Striations
- Retro-fit systems available

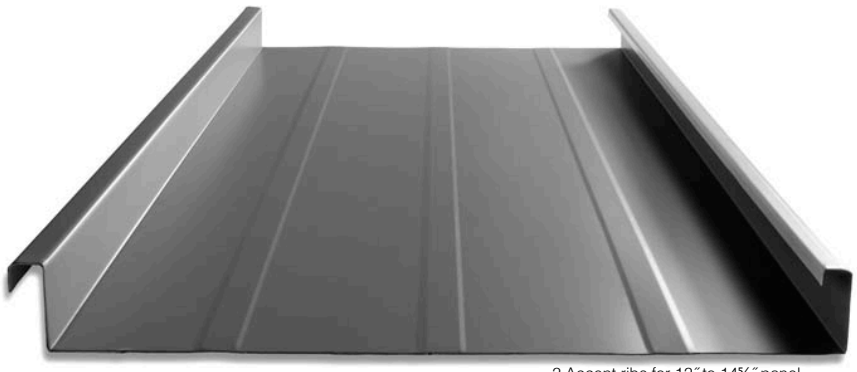


- Prevents crowning
- No visible screws required
- Sharp, professional appearance

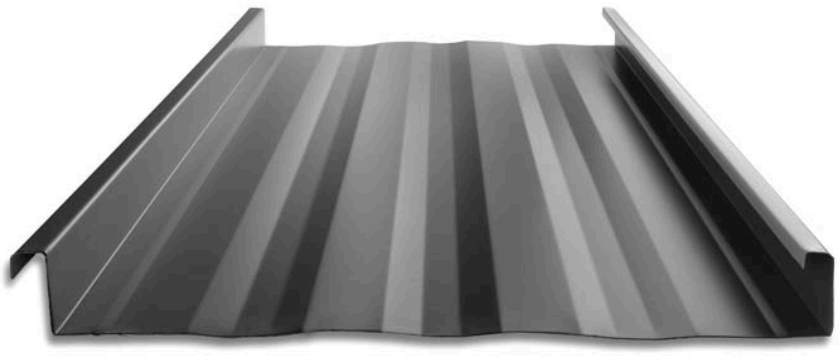
Panel Profiles



FLAT PAN
12″ to 18″ options available

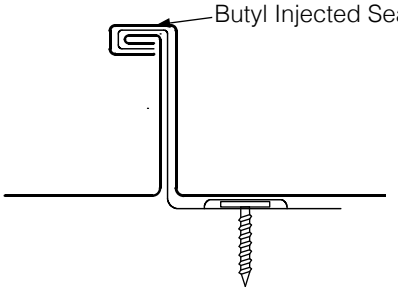


ACCENT RIBS
2 Accent ribs for 12″ to 14⅜″ panel
3 Accent ribs for 16″ to 18″ panel

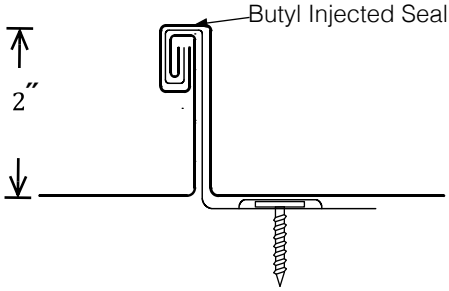


STRIATED

90° Seam Detail



180° Seam Detail



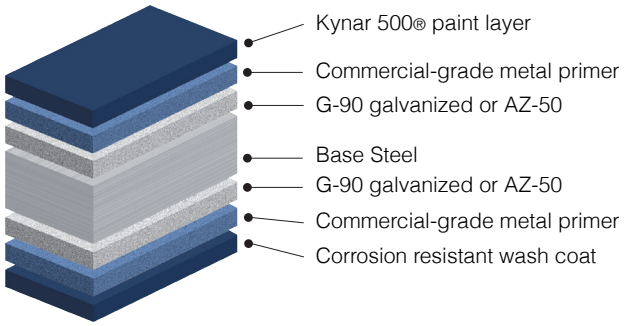
TAYLOR METAL PRODUCTS

Material Specifications

- 26 gauge Kynar 500® Painted Steel .019" (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 gauge Kynar 500® Painted Steel .0236" (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 gauge bare Zincalume® Plus with Clear Acrylic Coating - AZ-55
- ▲ 22 gauge Kynar 500® Painted Steel .029" (thickness prior to painting)
- ✦ .032 Kynar 500® Painted Aluminum
- 22 gauge Rusteel™ (cold-rolled)
- 22 gauge Rusteel Plus™ (A606)
- 24 gauge Bonderized (G-90)
- 16 and 20 ounce Copper *please Inquire*
- Kynar and substrate testing data available (see website)
- "Oil Canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection

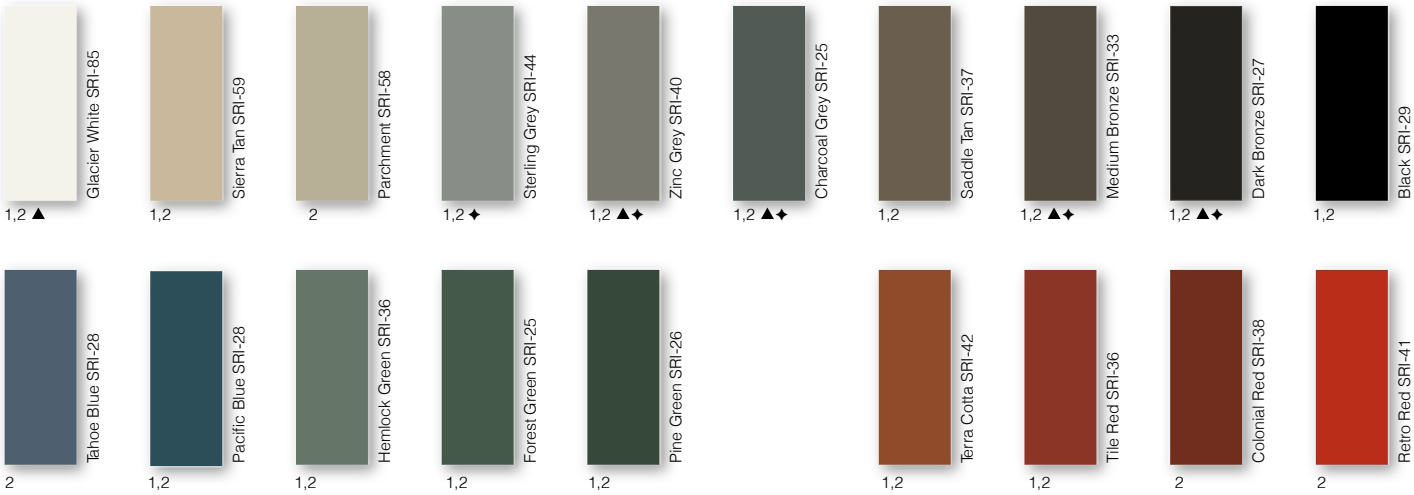
Key Features

- 19 Standard Colors, 5 Metallic Colors and 4 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)

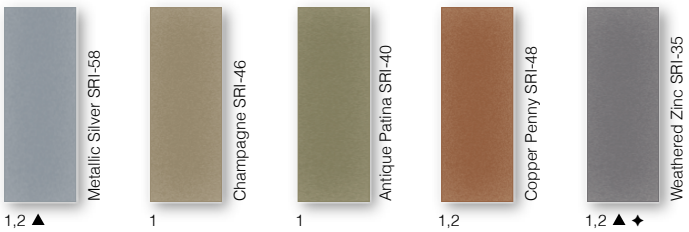


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

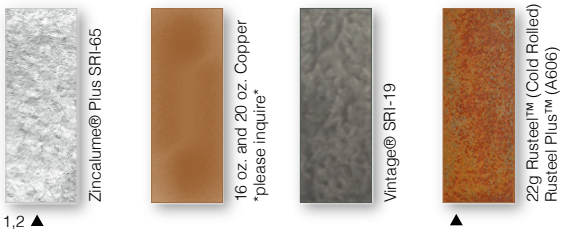
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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.

"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

Standard Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
14⅝″	24	1	1.36	1.65
18″	24	2	1.28	1.93
18″	22	▲	1.61	2.42
15⅜″	.032 Alum	✦	.60	.90

8-16

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HOOK EAVE WITH GUTTER DETAIL……pg. 8
STANDARD RIDGE DETAIL……pg. 9
VENTED RIDGE DETAIL……pg. 10
STANDARD VALLEY DETAIL……pg. 11
ALTERNATE VALLEY DETAIL…… pg. 12
STANDARD GABLE DETAIL……pg. 13
ALTERNATE GABLE DETAIL……..pg. 14
SIDE WALL DETAIL……pg. 15
RIDGE END CAP DETAIL……pg. 16
VENTED RIDGE END CAP DETAIL……pg. 17
ROOF PITCH TRANSITION DETAIL……pg. 18
ROOF HEAD DETAIL……..pg. 19
VENTED ROOF HEAD DETAIL…… pg. 20
SAW CUT ROOF HEAD DETAIL……..pg. 21
BACK PAN/CRICKET ISO DETAIL……pg. 22
CURB SIDE WALL DETAIL……..pg. 23
CURB HEAD DETAIL……..pg. 24
CURB BACK PAN……..pg. 25
PIPE PENATRATION DETAIL 1……..pg. 26
PIPE PENATRATION DETAIL 2……..pg. 27
PIPE PENETRATION MID PANEL……pg. 28
ROOF END DAM ASSEMBLY……pg. 29
FLASHING SELECTION……pg. 30-32

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 Commercial Products offers MS200™ 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 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 Commercial 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 Commercial 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.

Notes to Designer/Installer

Taylor Commercial 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.

The Standard gauge for all products in this guide is 24 gauge and the standard finish is Kynar 500®/Hylar 5000®. 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™ can be used over spaced purlins. For solid substrate, Taylor Commercial Products recommends 5/8" plywood or metal decking.

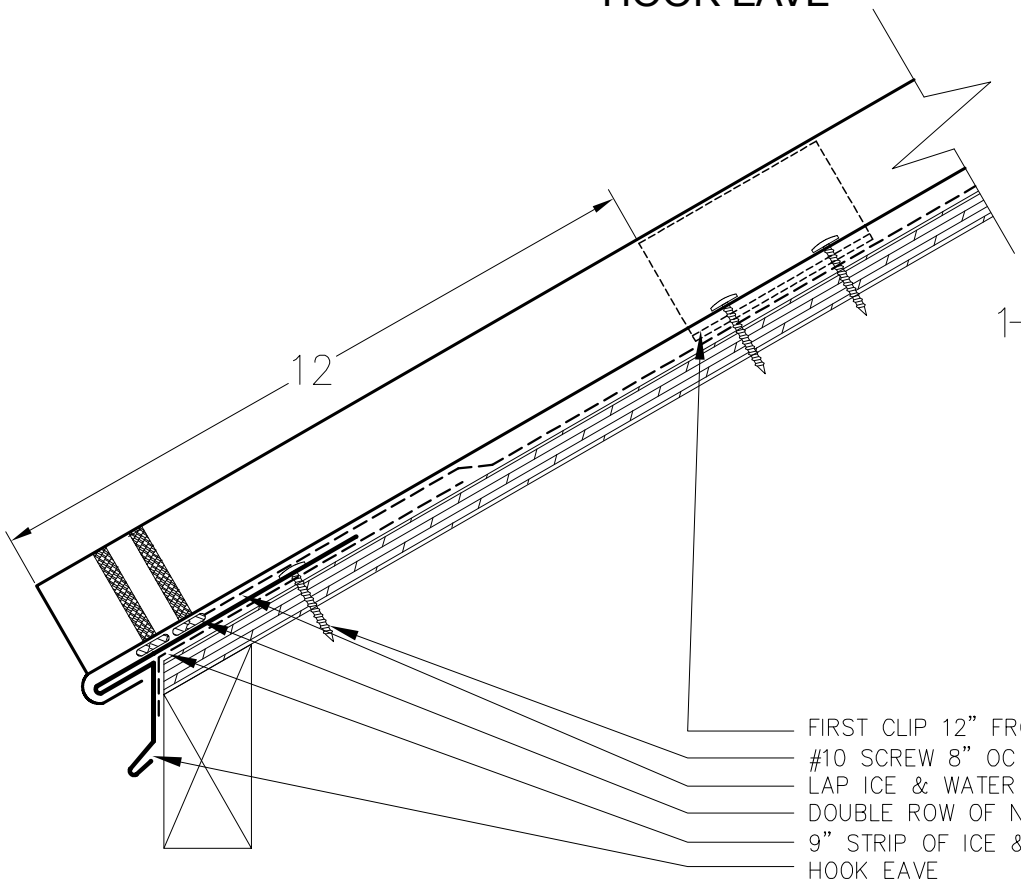
Underlayments

Minimum underlayment requirements are 30 lb. ASTM rated felt, a synthetic underlayment with Class A and ASTM UV protection technology or a high temperature self-adhering rubberized membrane. When choosing the underlayment, consider the roof slope, roof design, roof panel, and the climate.

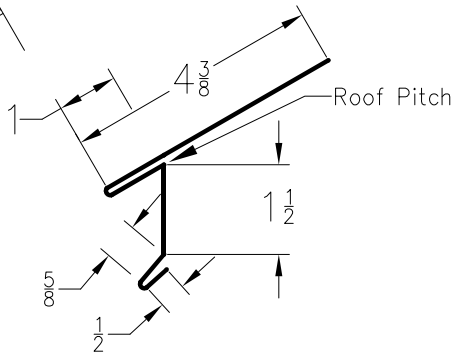
Drag Load Requirements

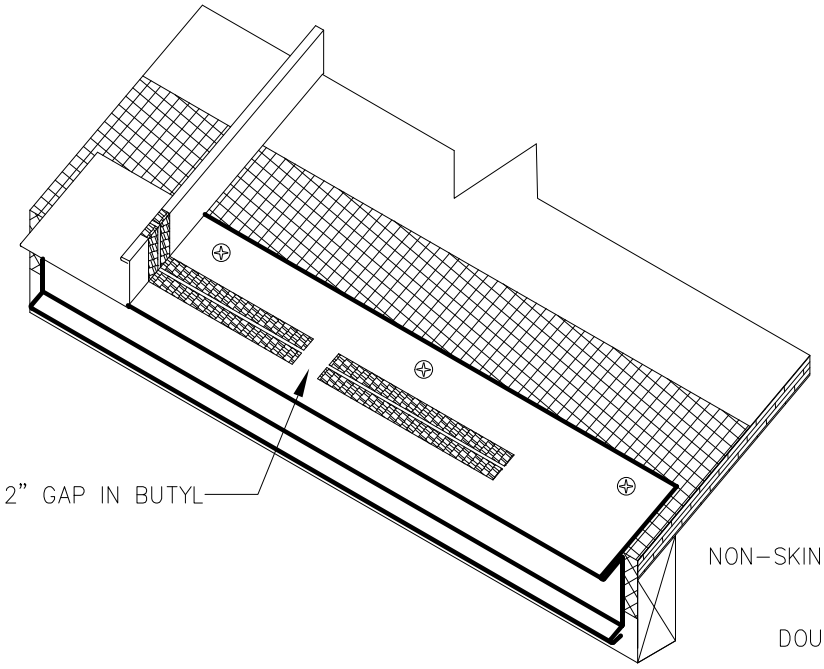
All panels must be pinned at the top to resist the drag load caused by snow loads, live loads, and the weight of the panel. Drag load is a function of roof slope, actual load and length of panels. Contact Taylor Commercial Products for specific drag load requirements.

HOOK EAVE

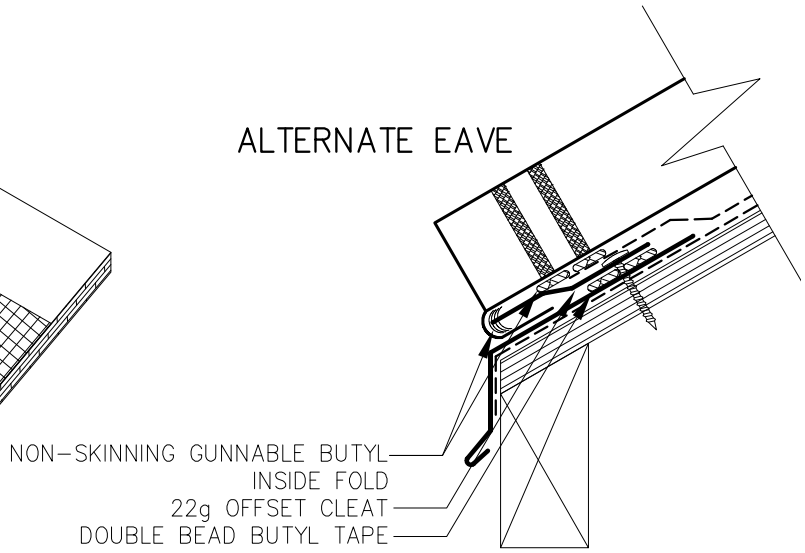


EAVE HOOK (MSEH)





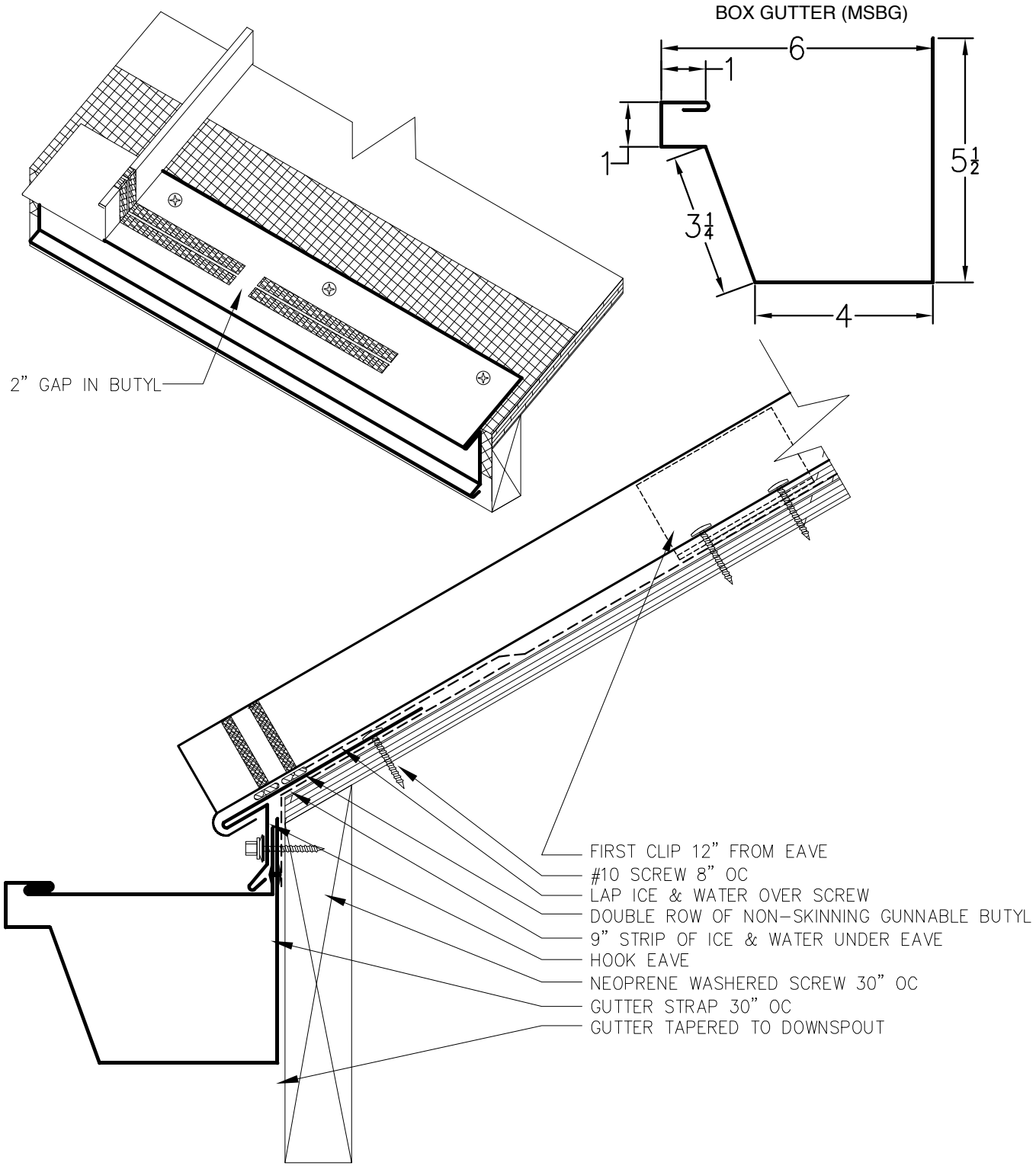
ALTERNATE EAVE



EAVE STANDARD (MSES)

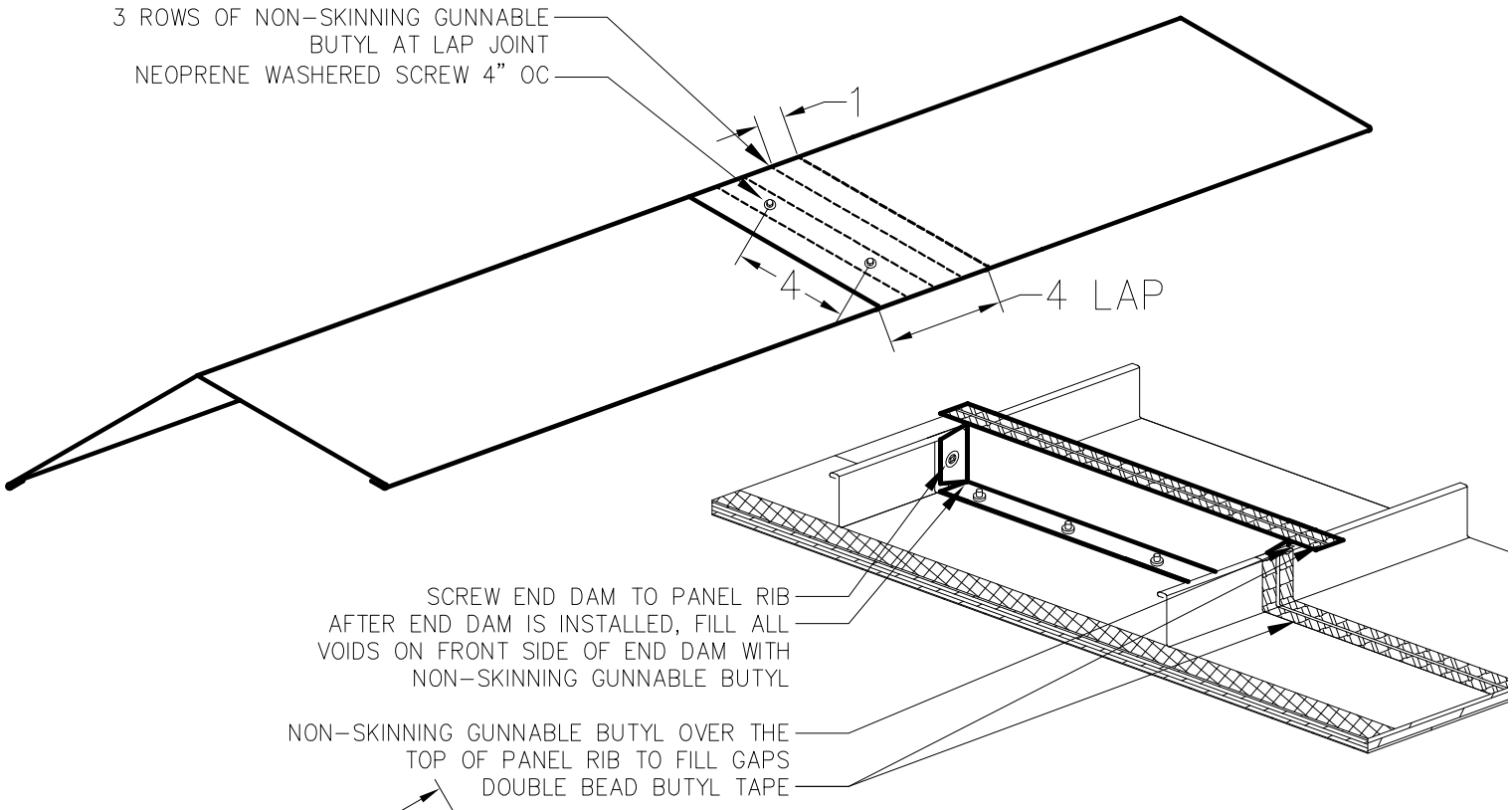
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

HOOK EAVE WITH GUTTER

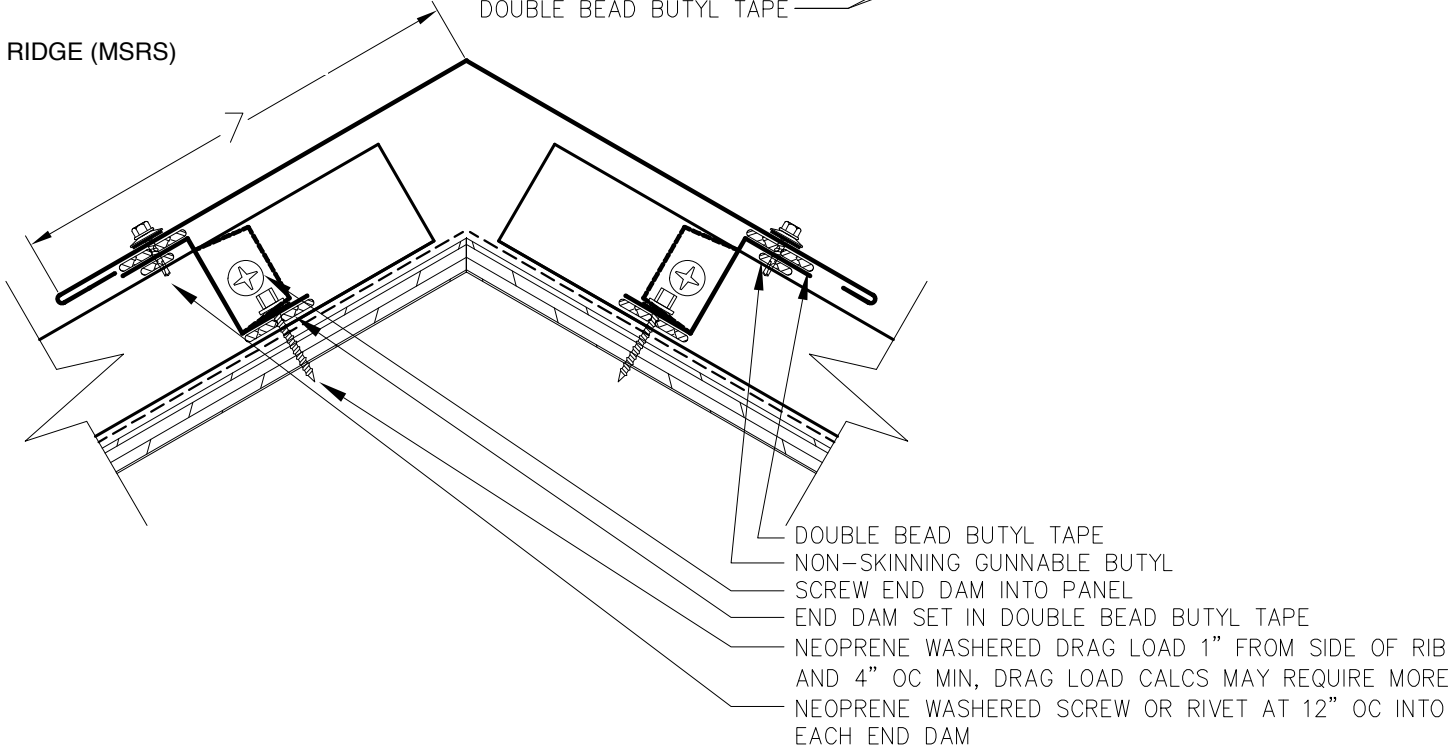


NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

STANDARD RIDGE

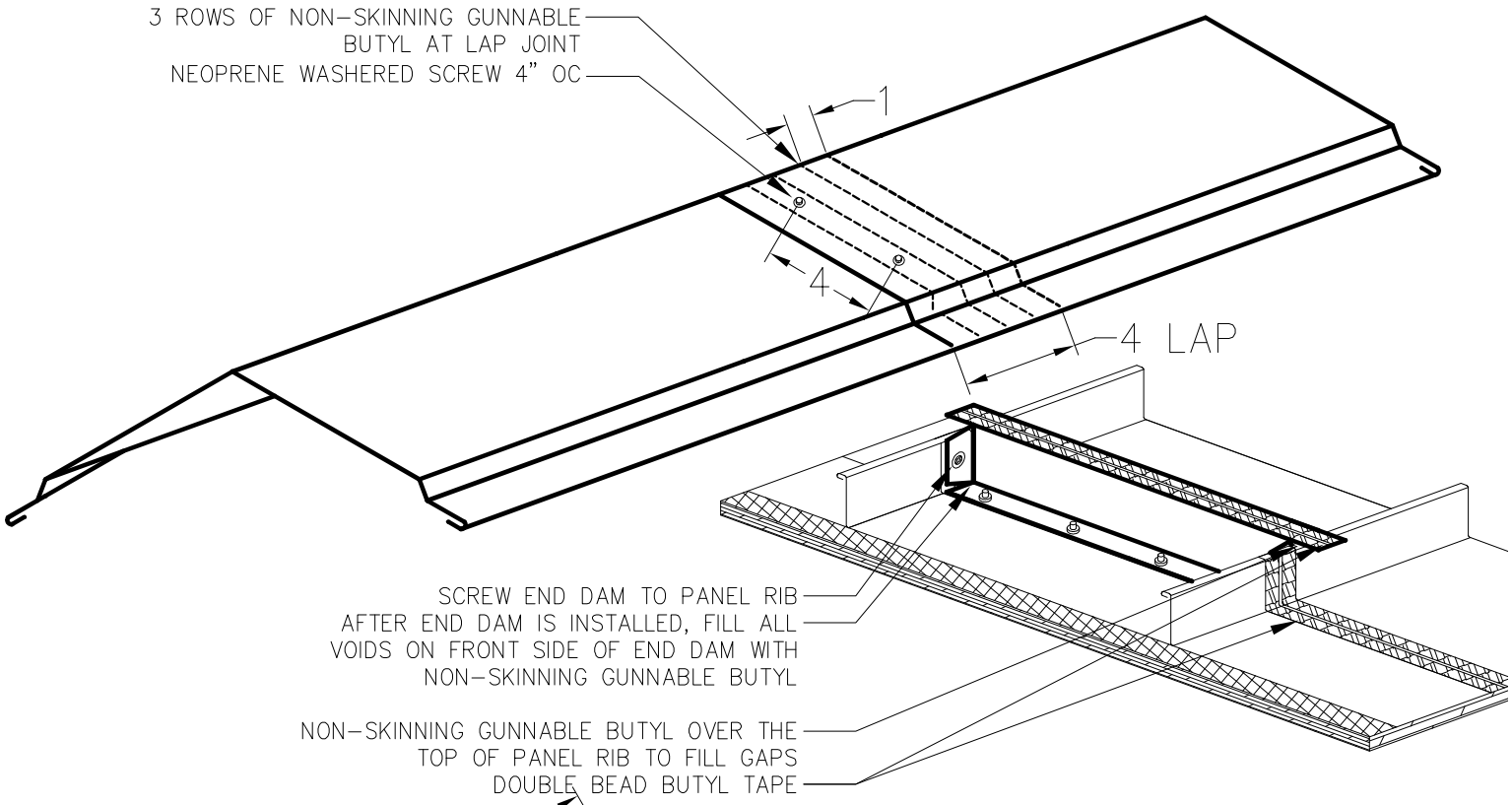


RIDGE (MSRS)

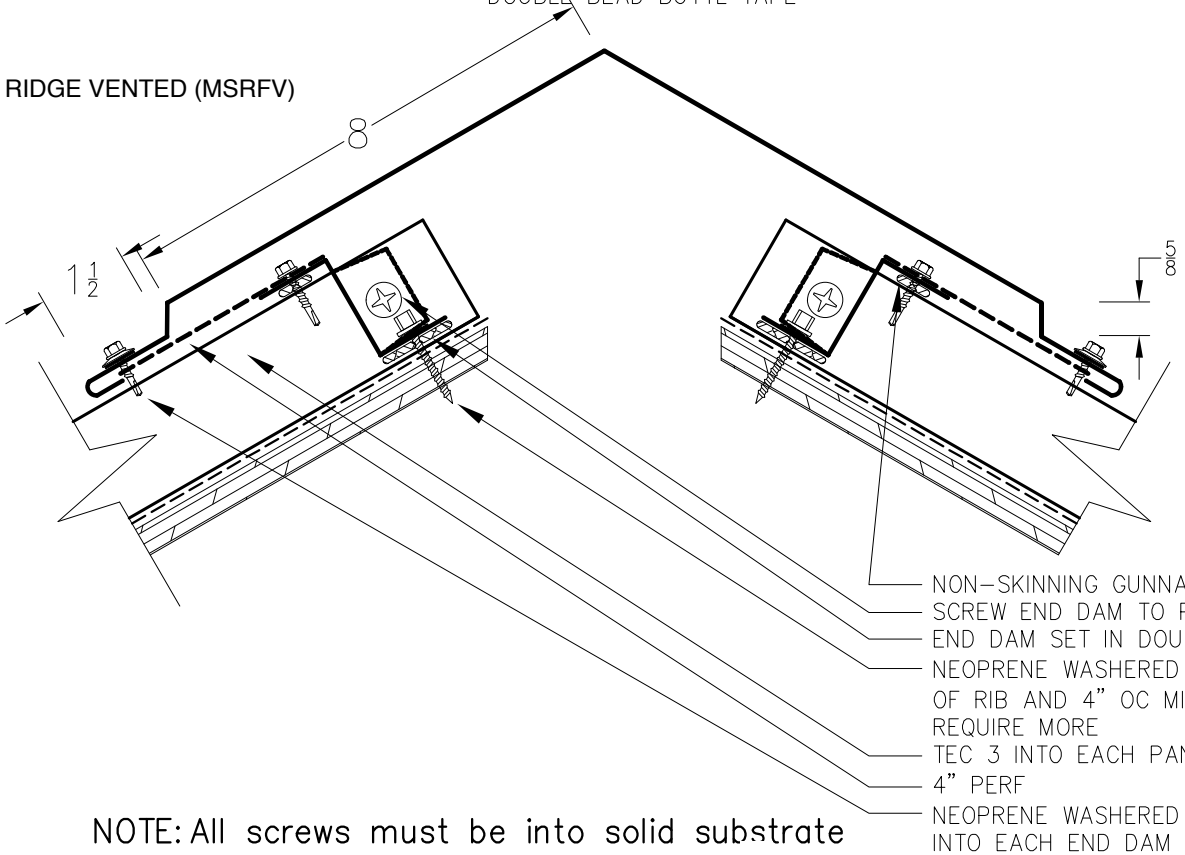


NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 3 rows of non-skinning gunnable butyl

VENTED RIDGE



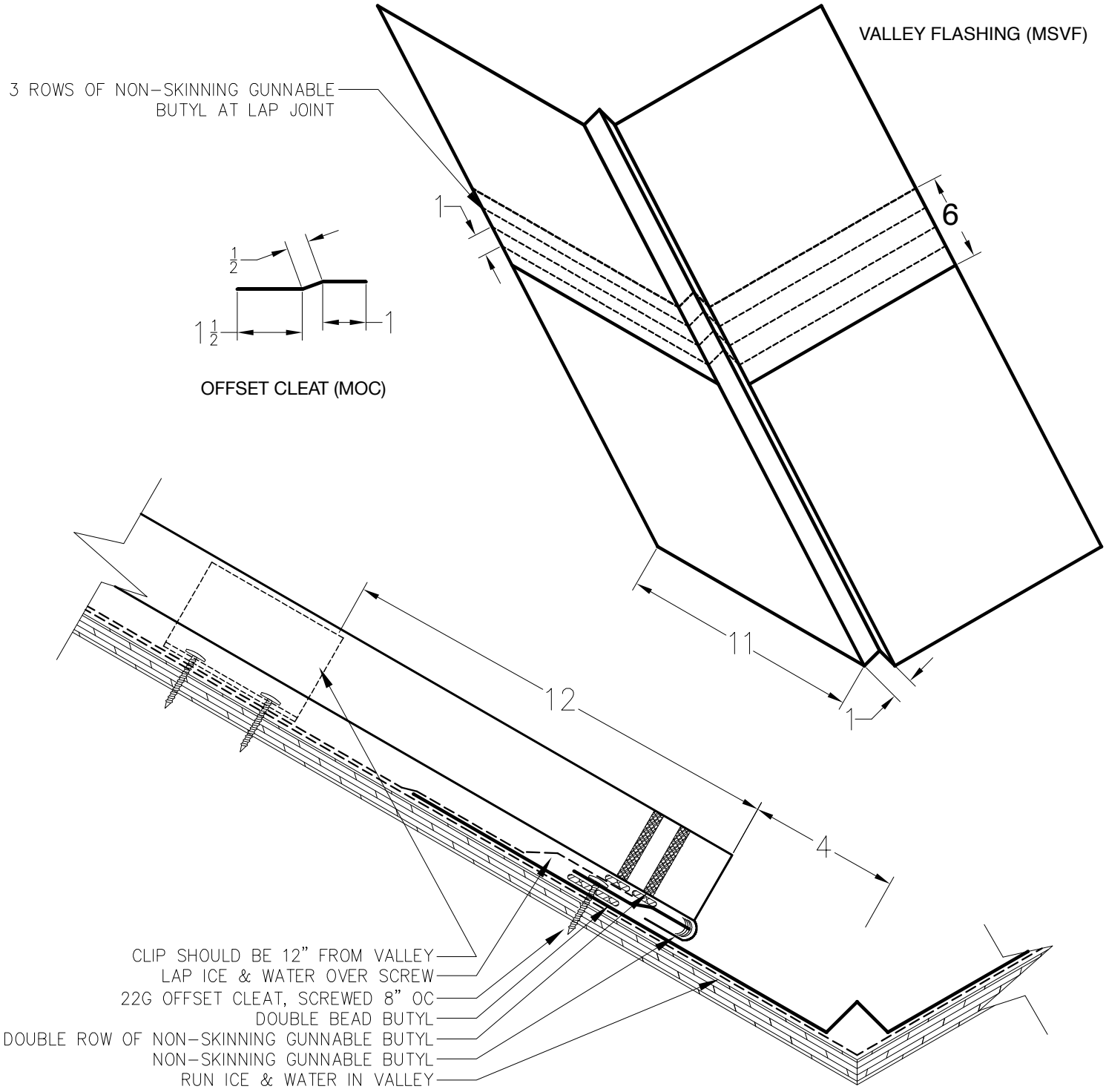
RIDGE VENTED (MSRFV)



NOTE: All screws must be into solid substrate

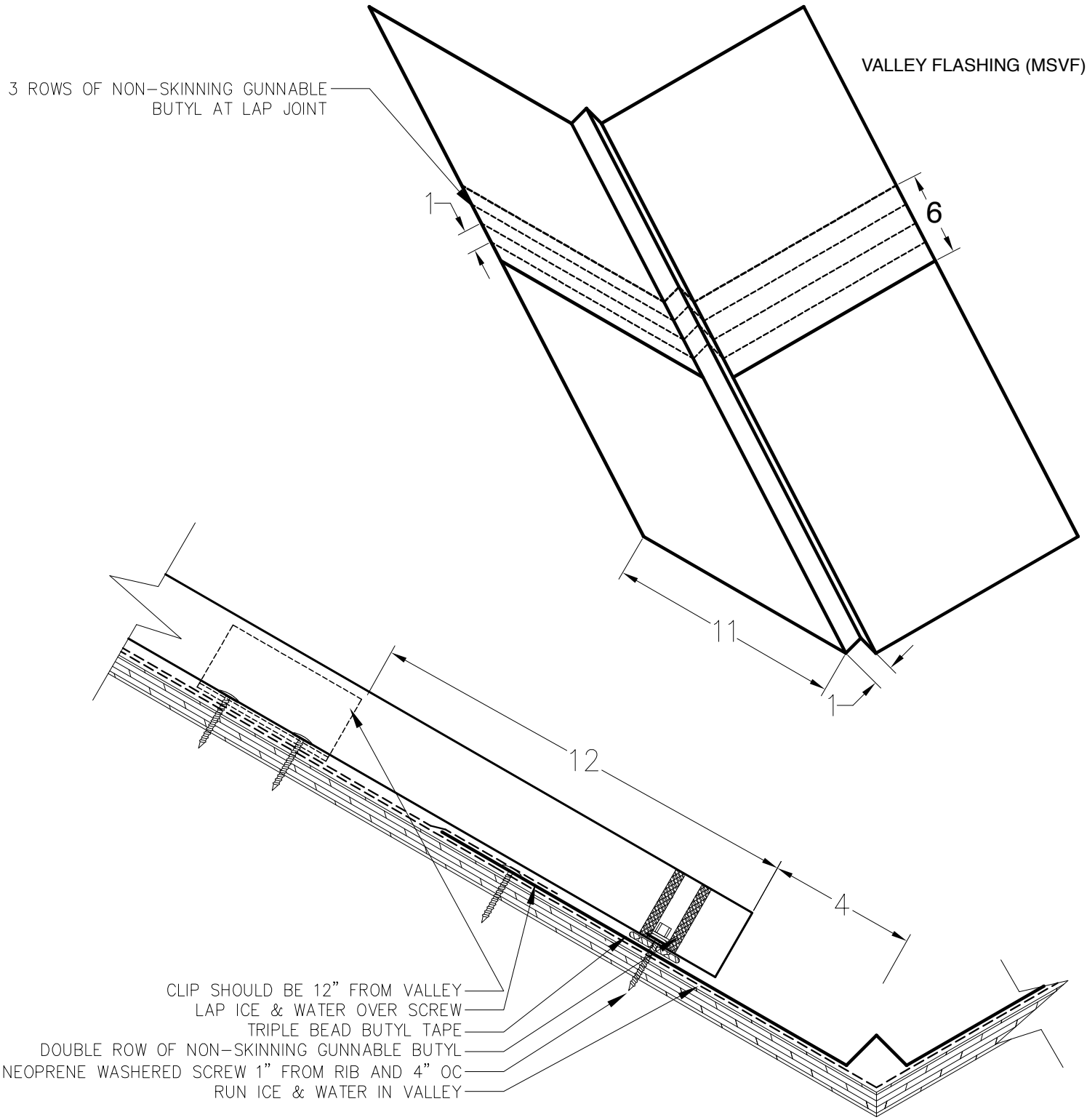
Flashing must be lapped 4" with 3 rows of non-skinning gunnable butyl

STANDARD VALLEY



NOTE: All screws must be into solid substrate
Flashing must be lapped 6″ with 3 rows of non-skinning gunnable butyl

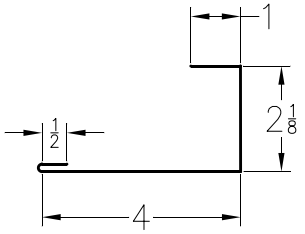
ALTERNATE VALLEY



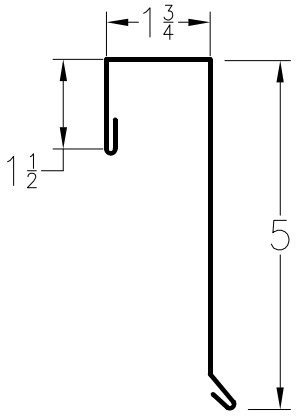
NOTE: All screws must be into solid substrate
Flashing must be lapped 6″ with 3 rows of non–skinning gunnable butyl

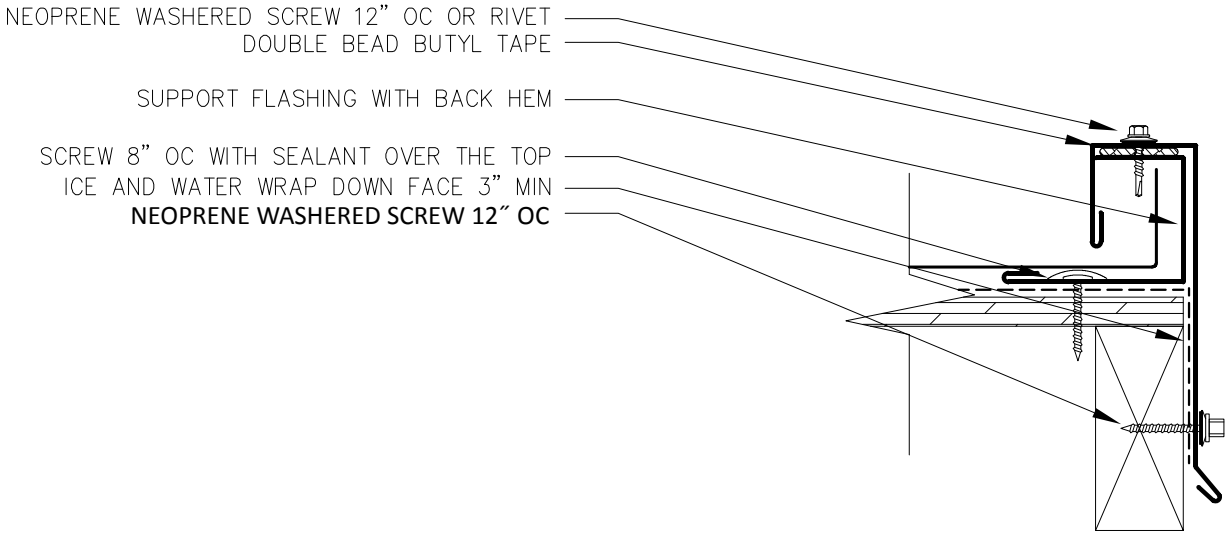
STANDARD GABLE

SUPPORT FLASHING (MSSF)



GABLE STANDARD (MSGS1)

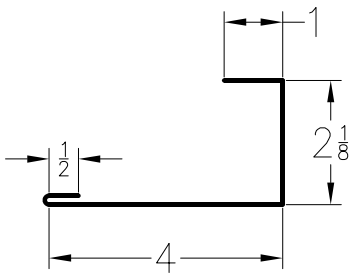




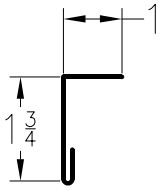
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

ALTERNATE GABLE

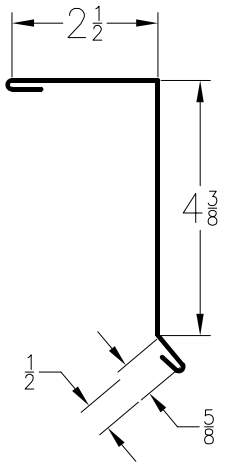
SUPPORT FLASHING (MSSF)

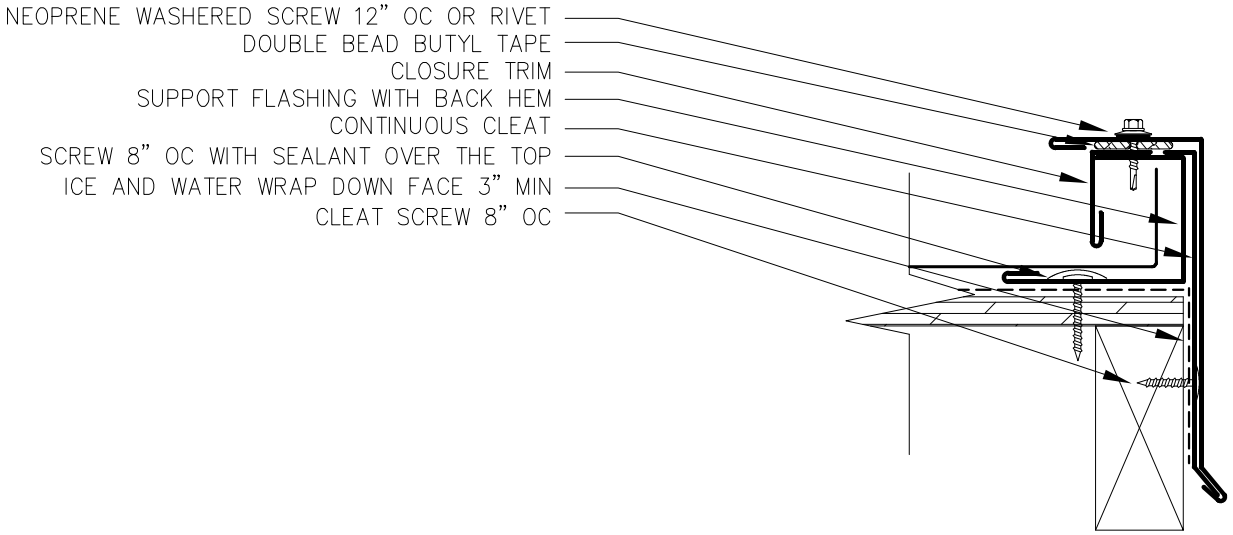


ALT CLOSURE (MSLF)



ALT GABLE (MSGS2)

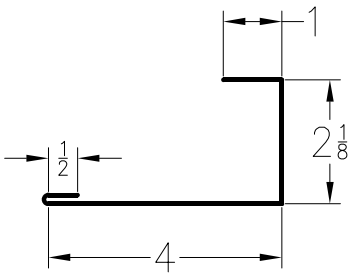




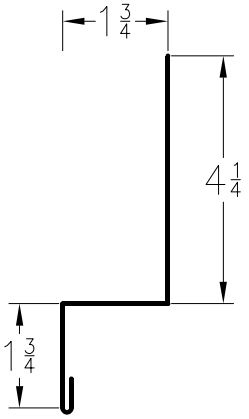
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

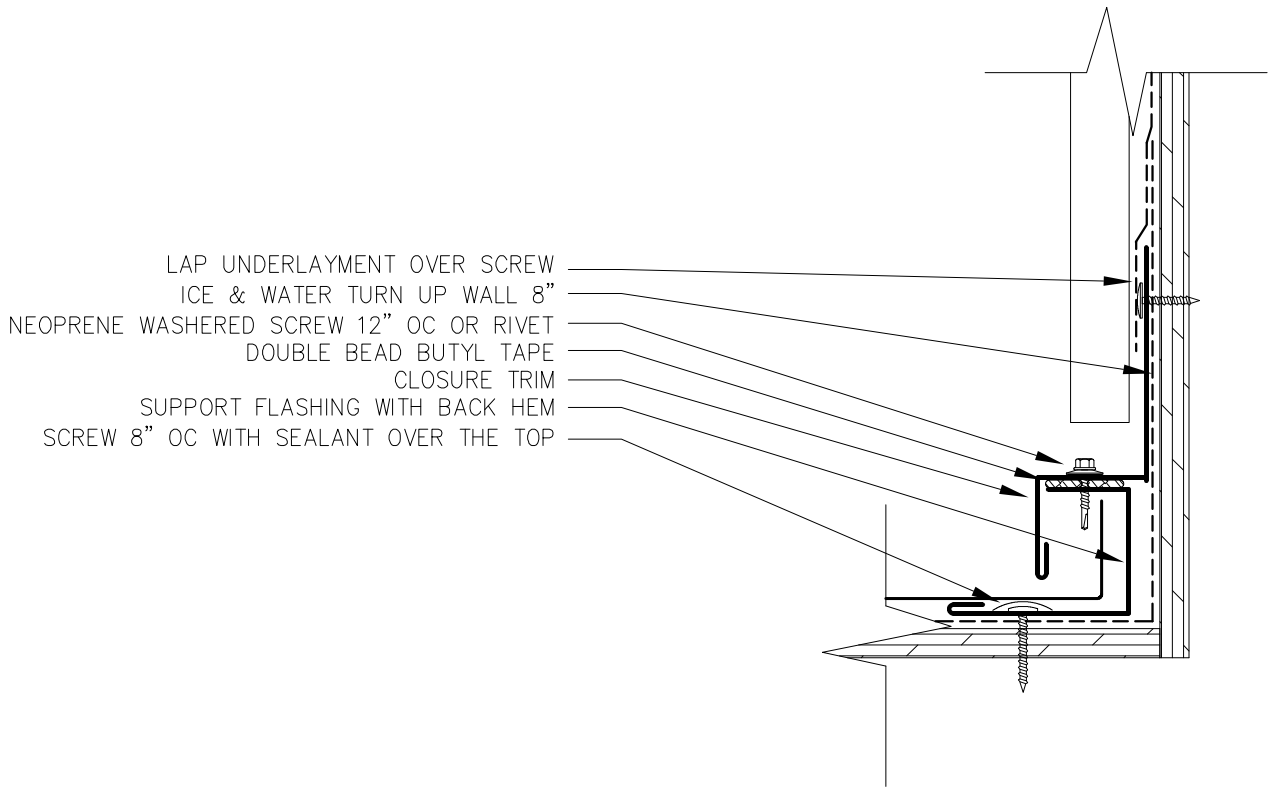
SIDE WALL

SUPPORT FLASHING (MSSF)



SIDE WALL (MSSW)

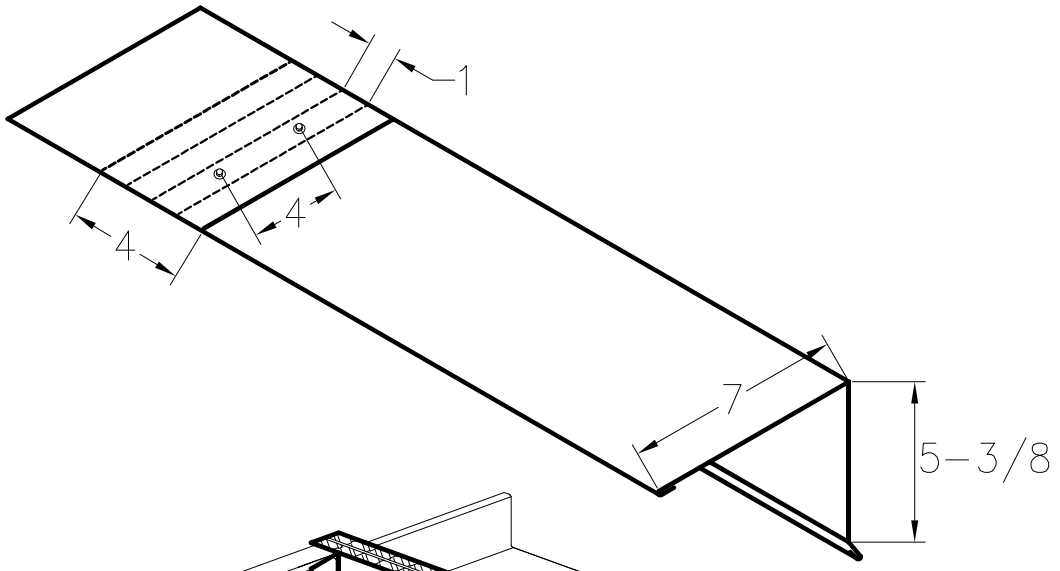


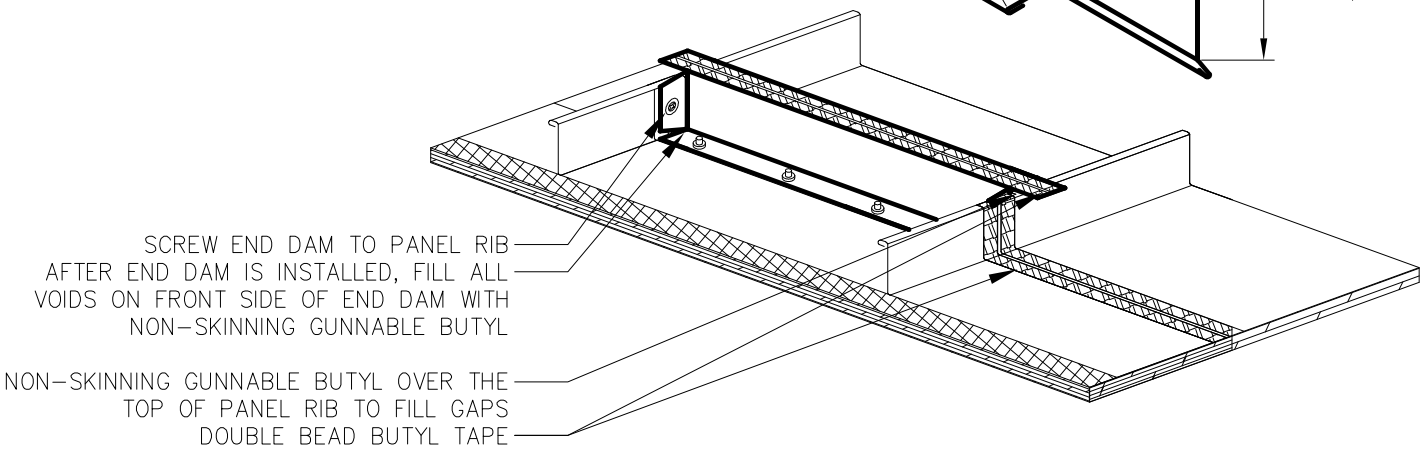


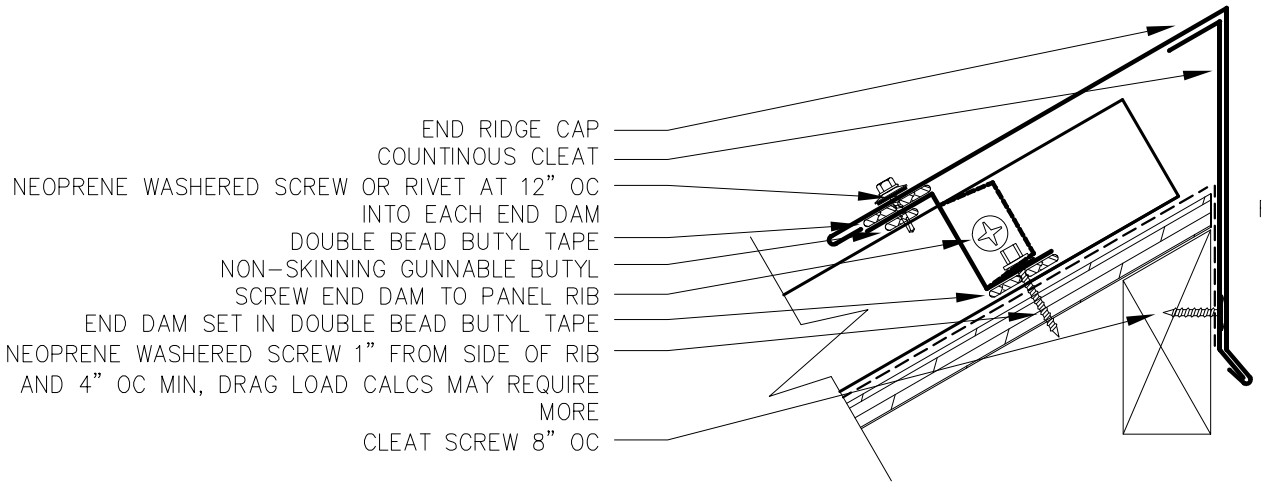
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

RIDGE END CAP

RIDGE END CAP (MSREC)

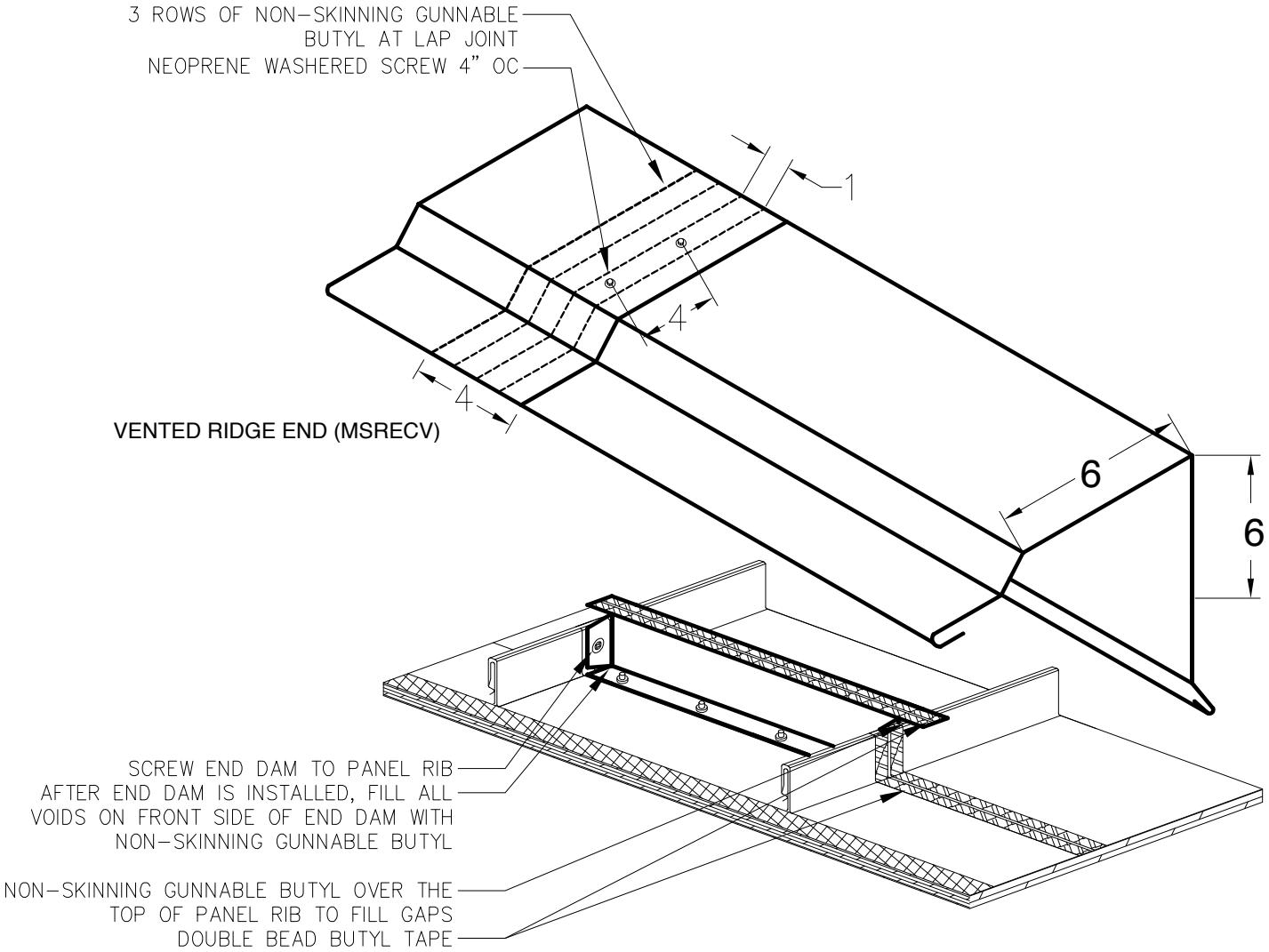




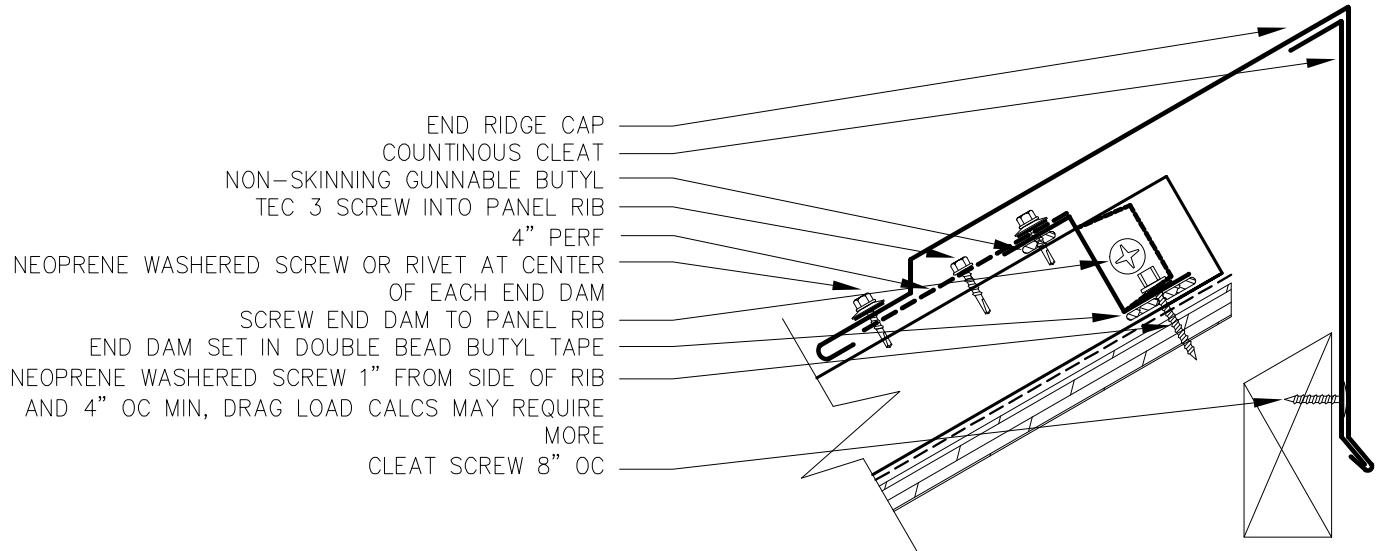


NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 3 rows of non–skinning gunnable butyl

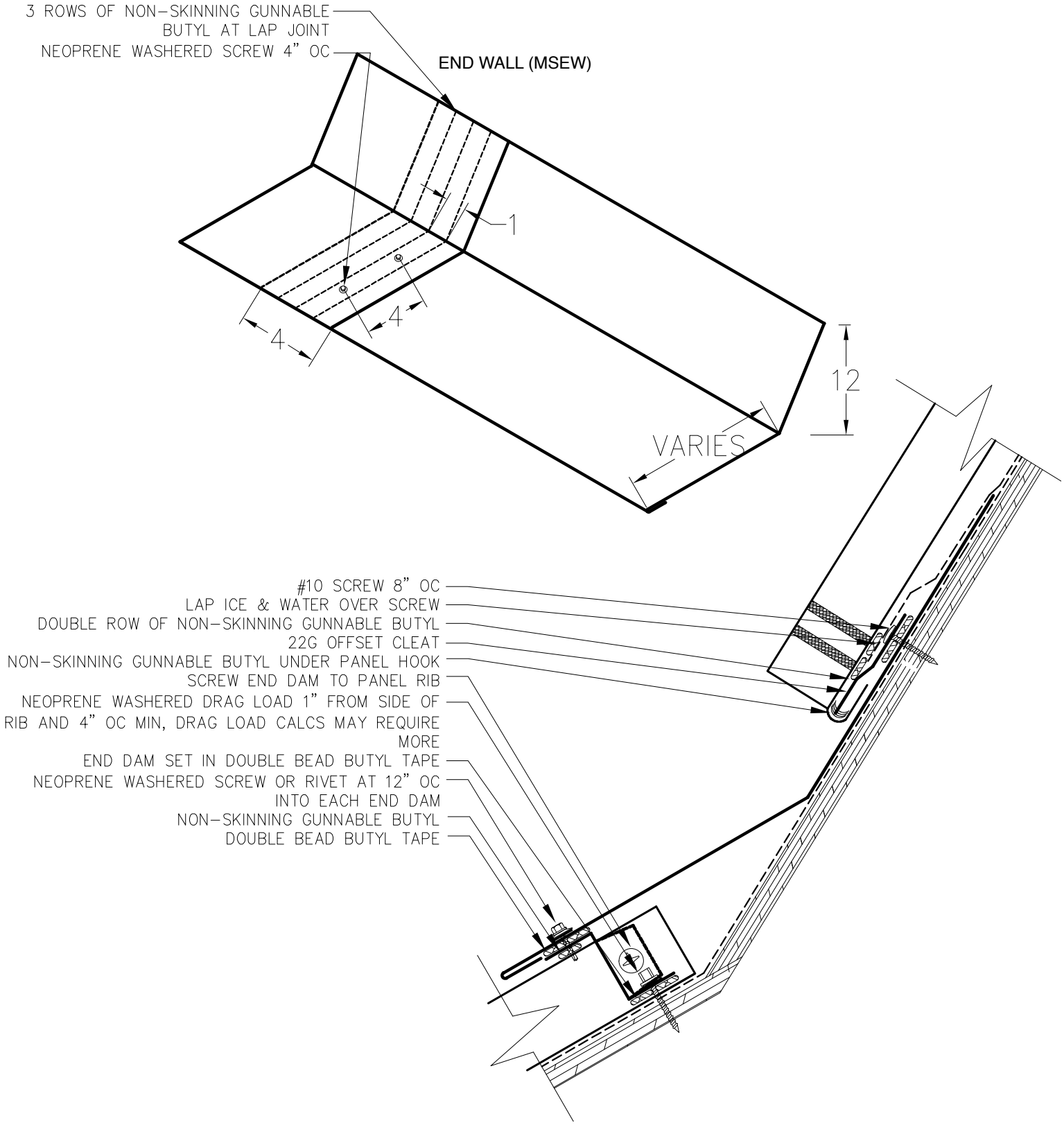
VENTED RIDGE END CAP



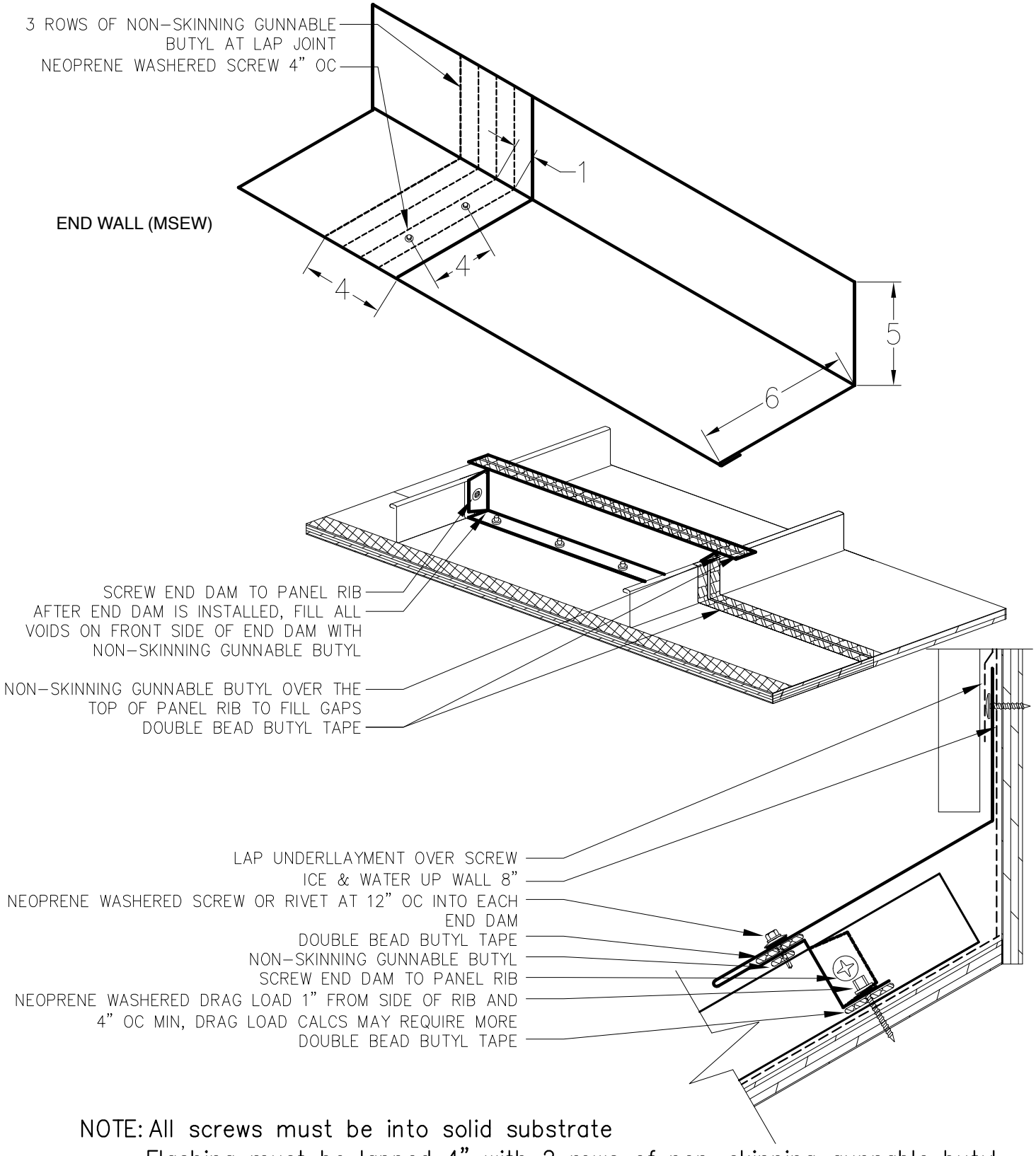
VENTED RIDGE END (MSRECV)



ROOF PITCH TRANSITION

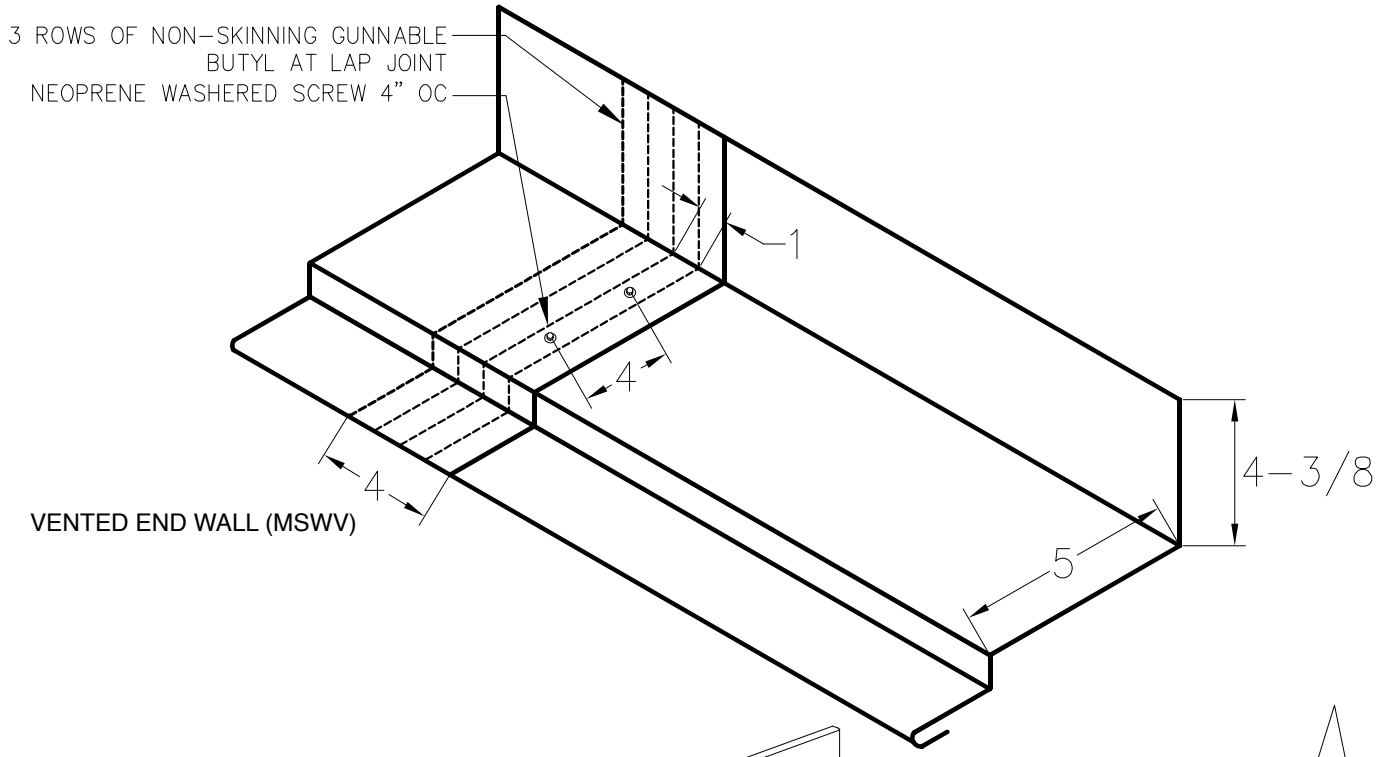


ROOF HEAD

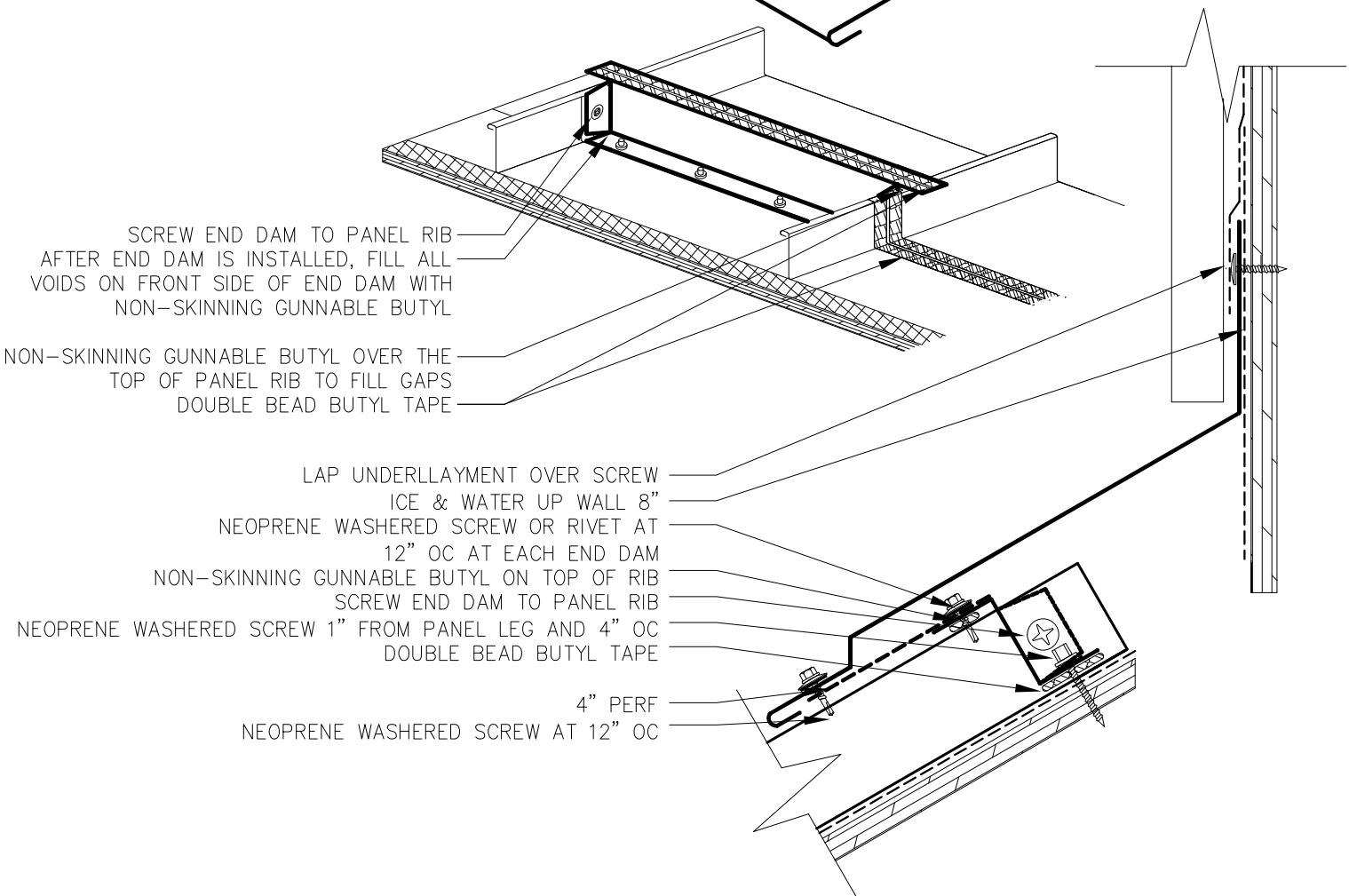


NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non–skinning gunnable butyl

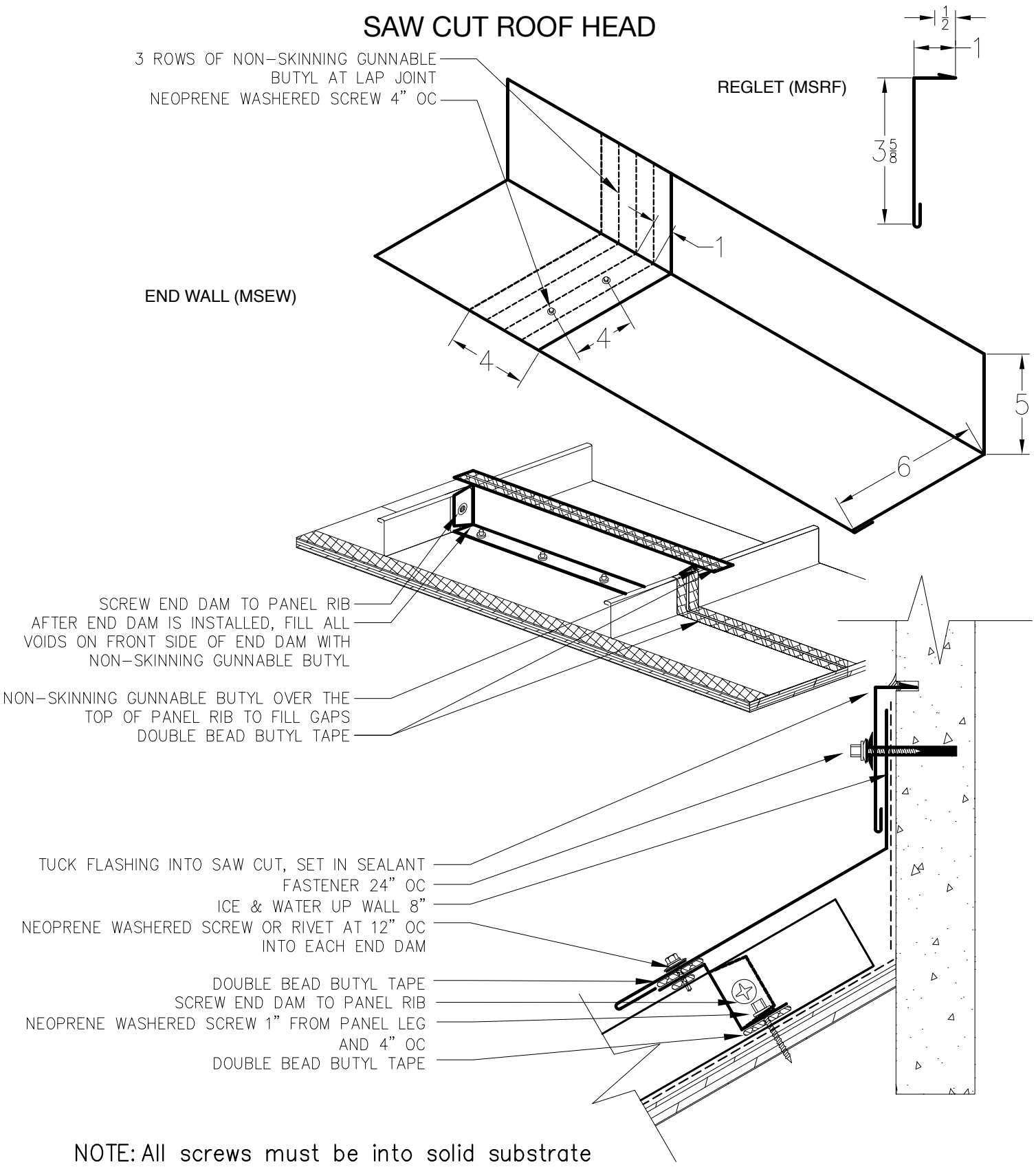
VENTED ROOF HEAD



VENTED END WALL (MSWV)



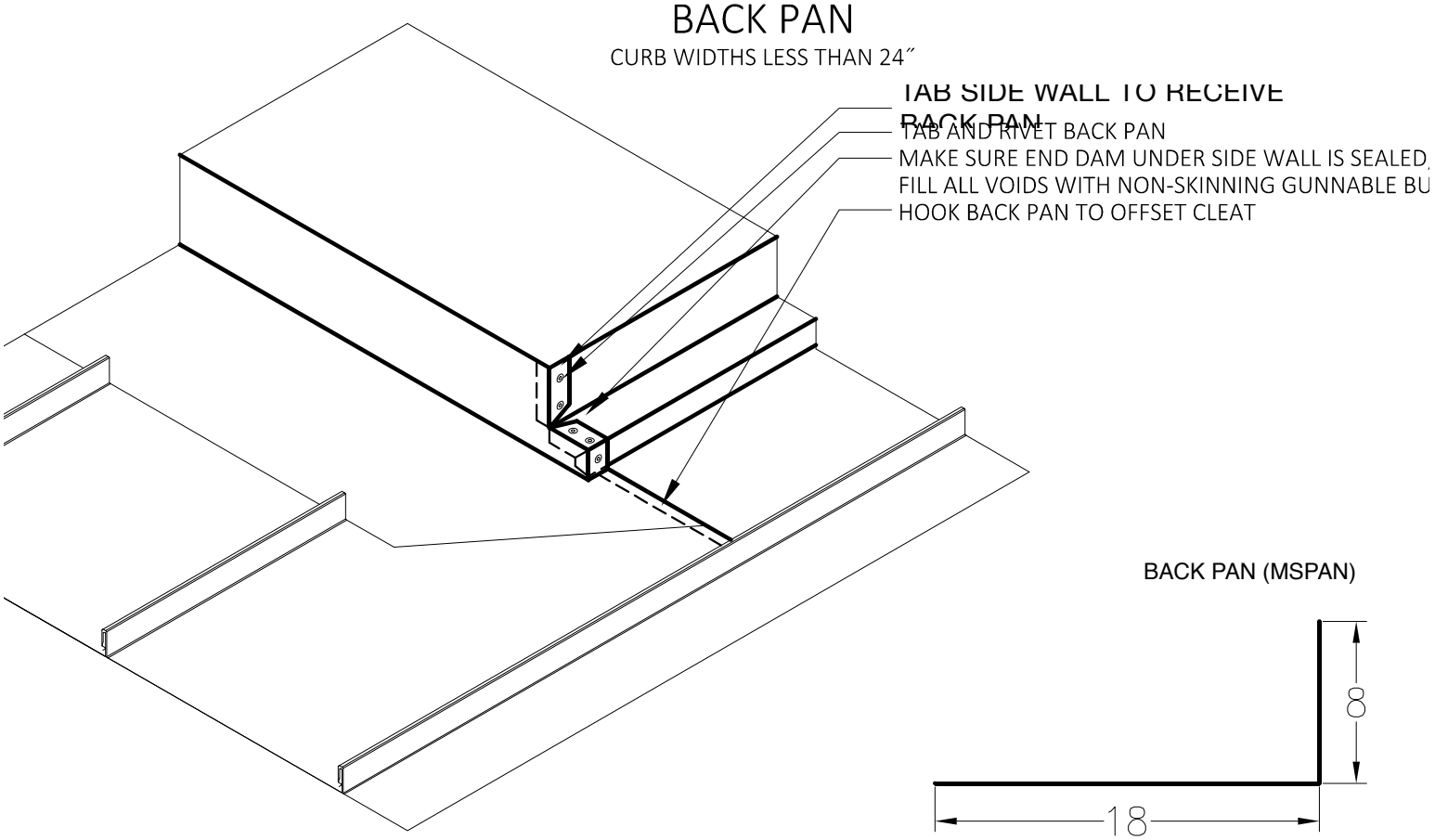
SAW CUT ROOF HEAD



NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 3 rows of non–skinning gunnable butyl

BACK PAN

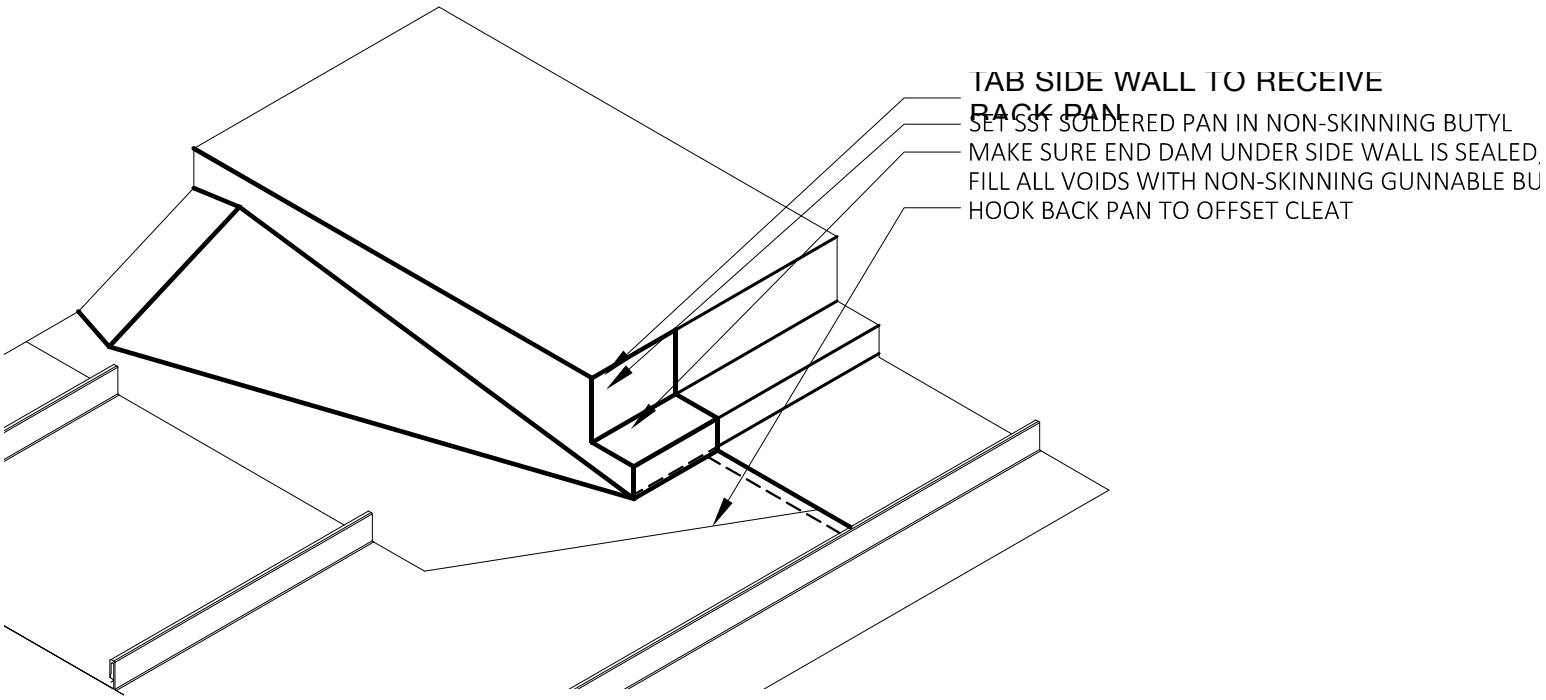
CURB WIDTHS LESS THAN 24″



BACK PAN (MSPAN)

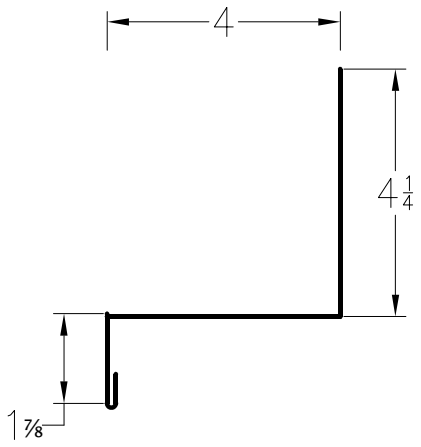
SOLDERED BACK PAN

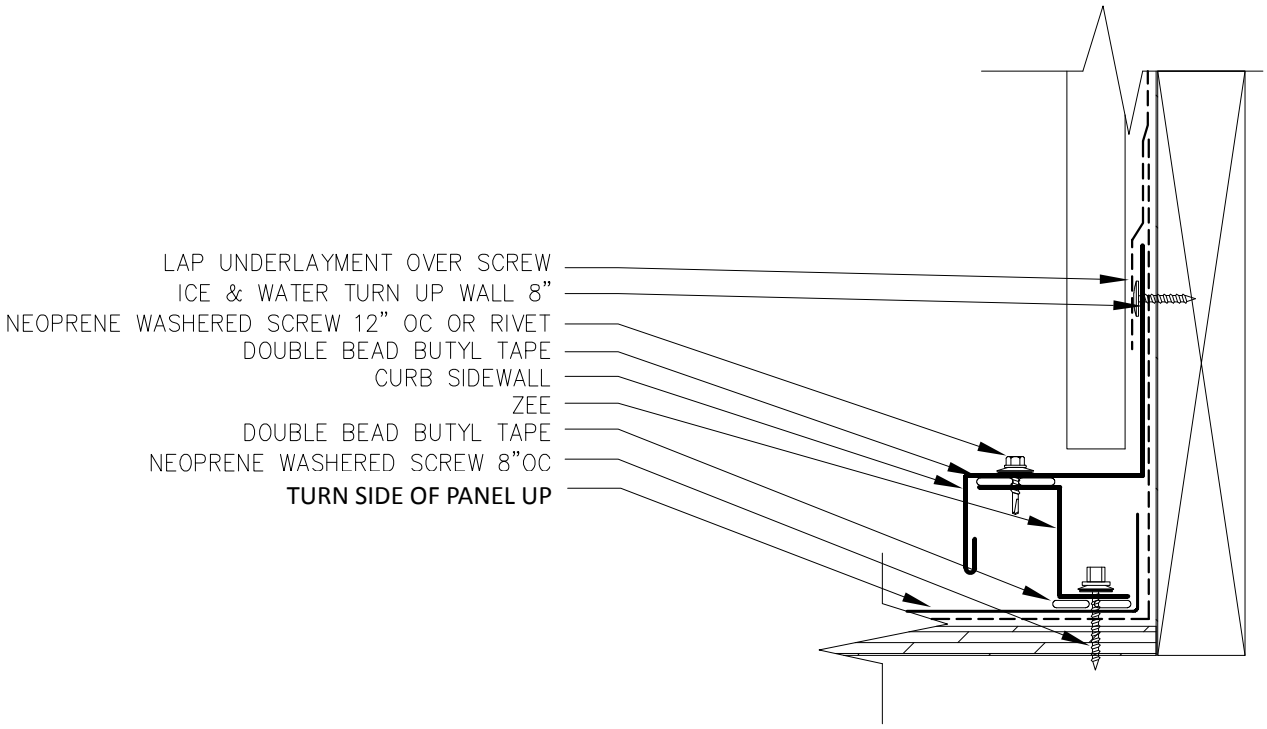
CURB GREATER THAN 24″



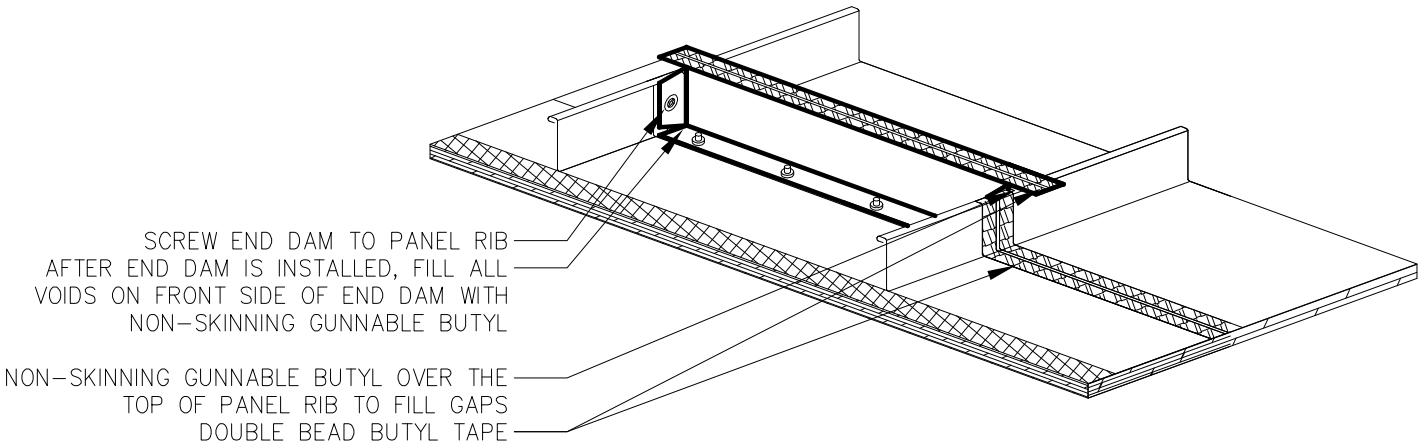
CURB SIDE WALL

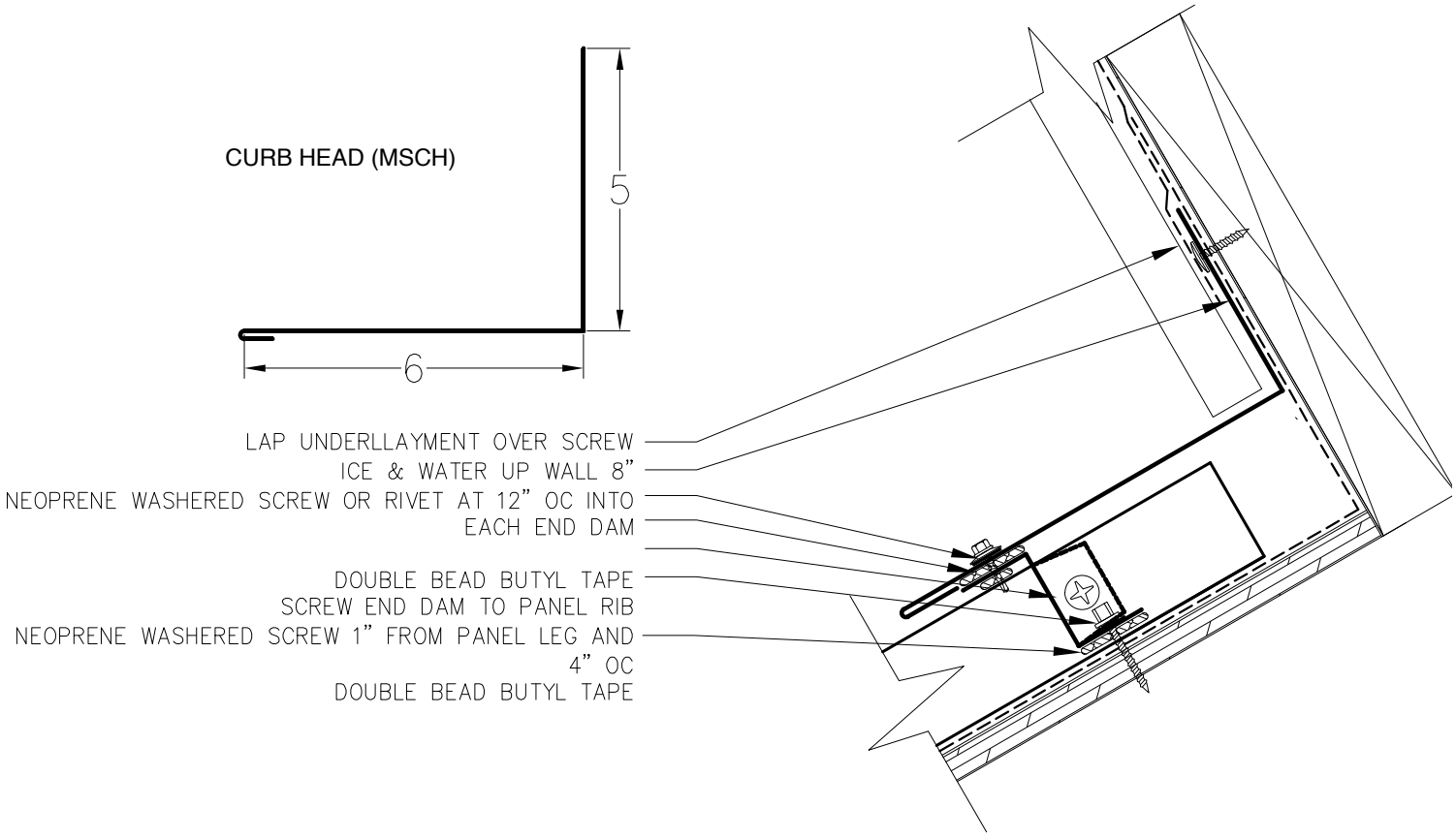
CURB SIDE WALL (MSSWC)





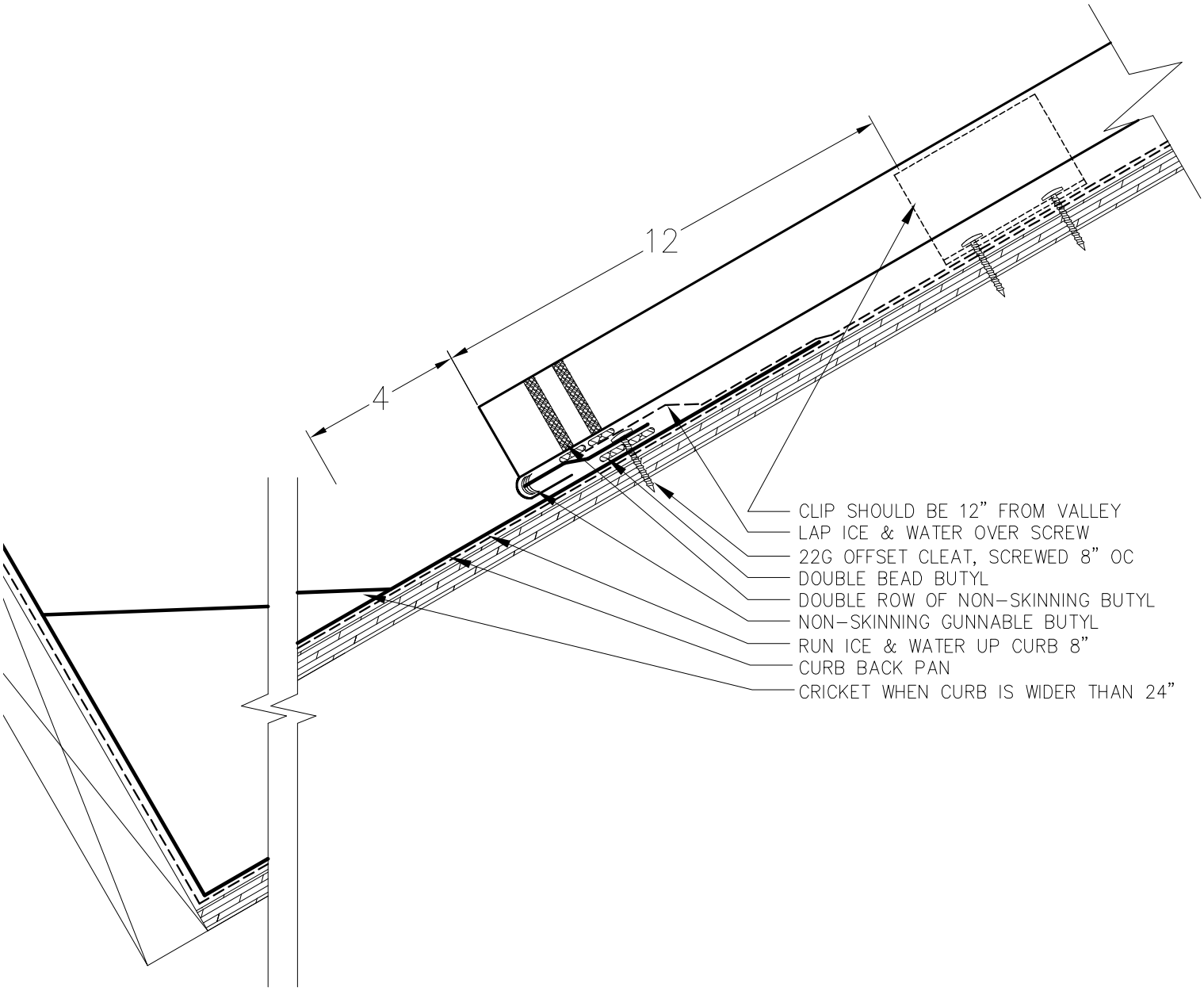
CURB HEAD





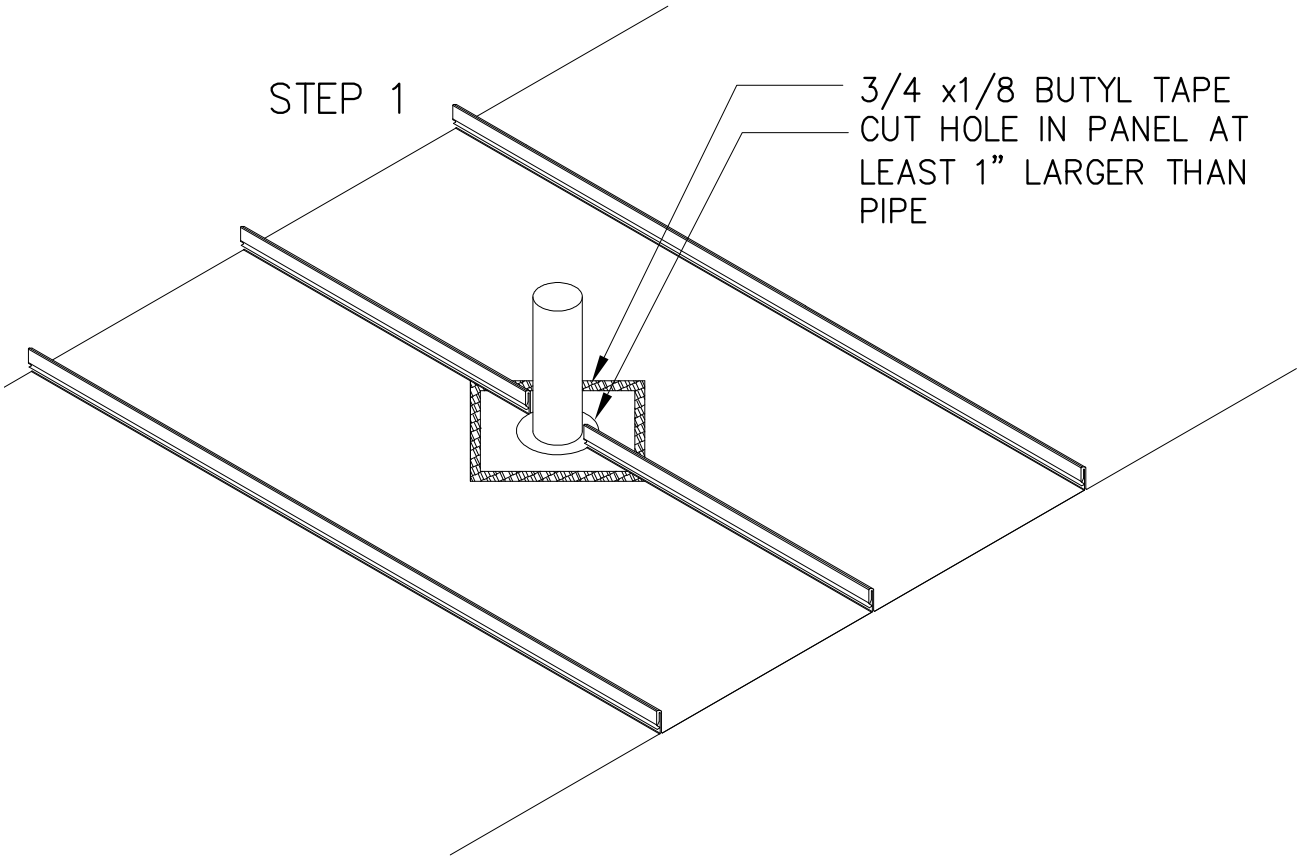
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

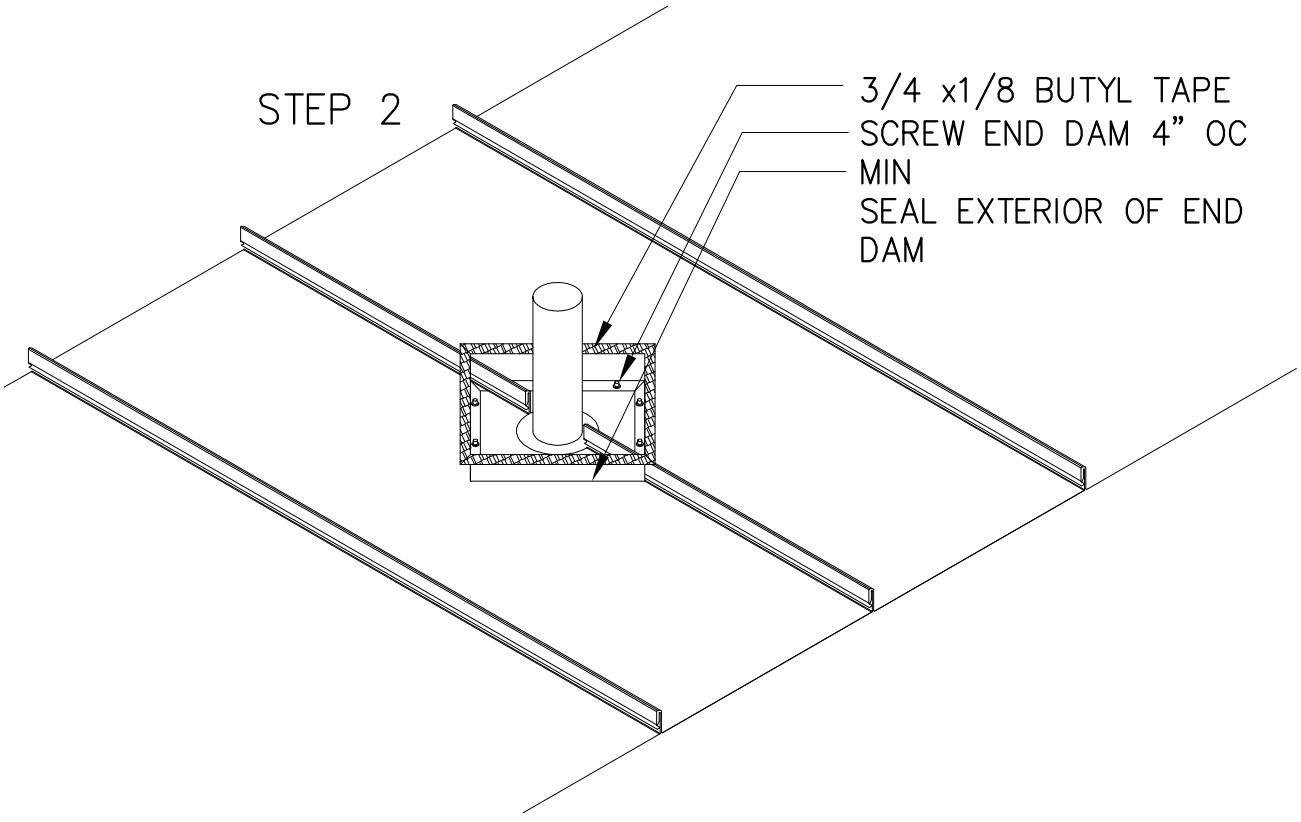
CURB PAN/CRICKET



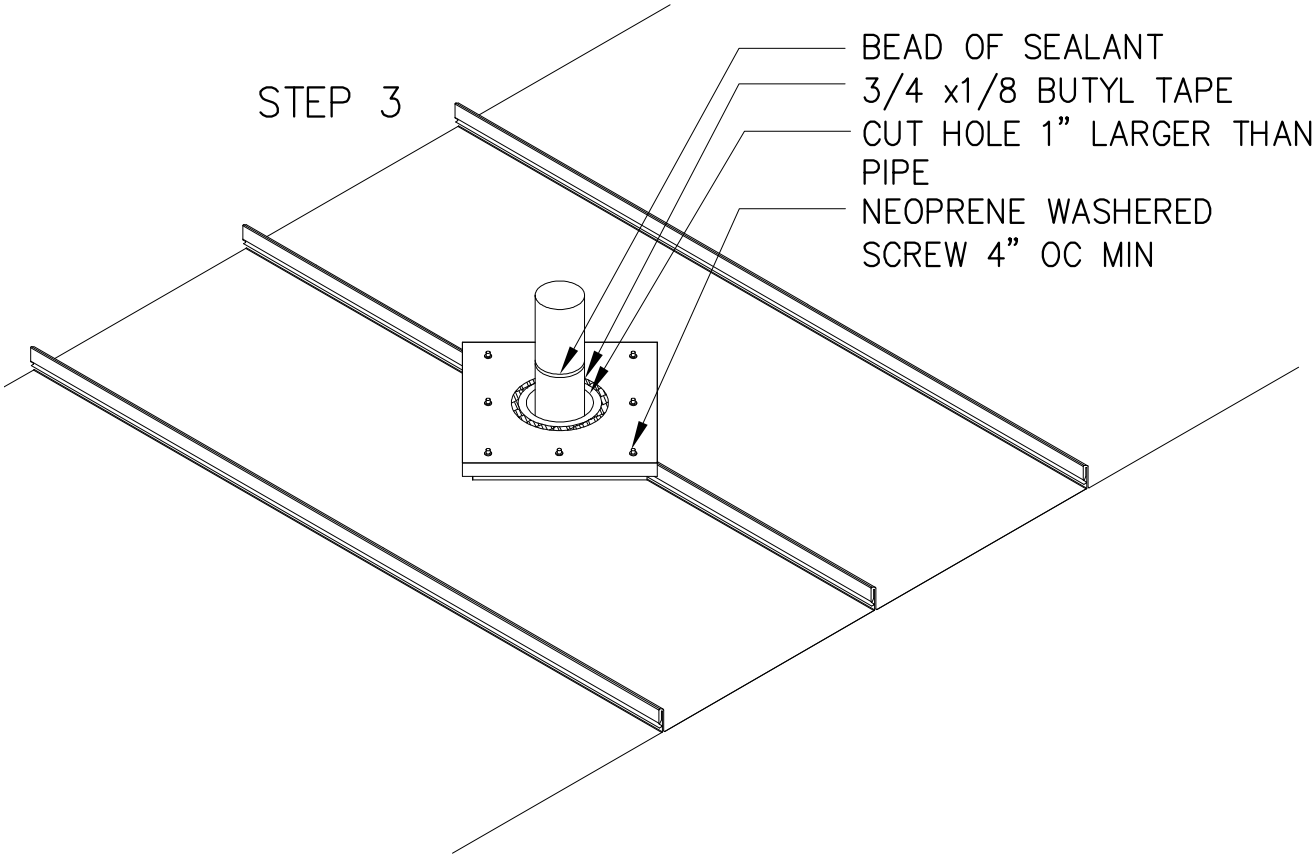
NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

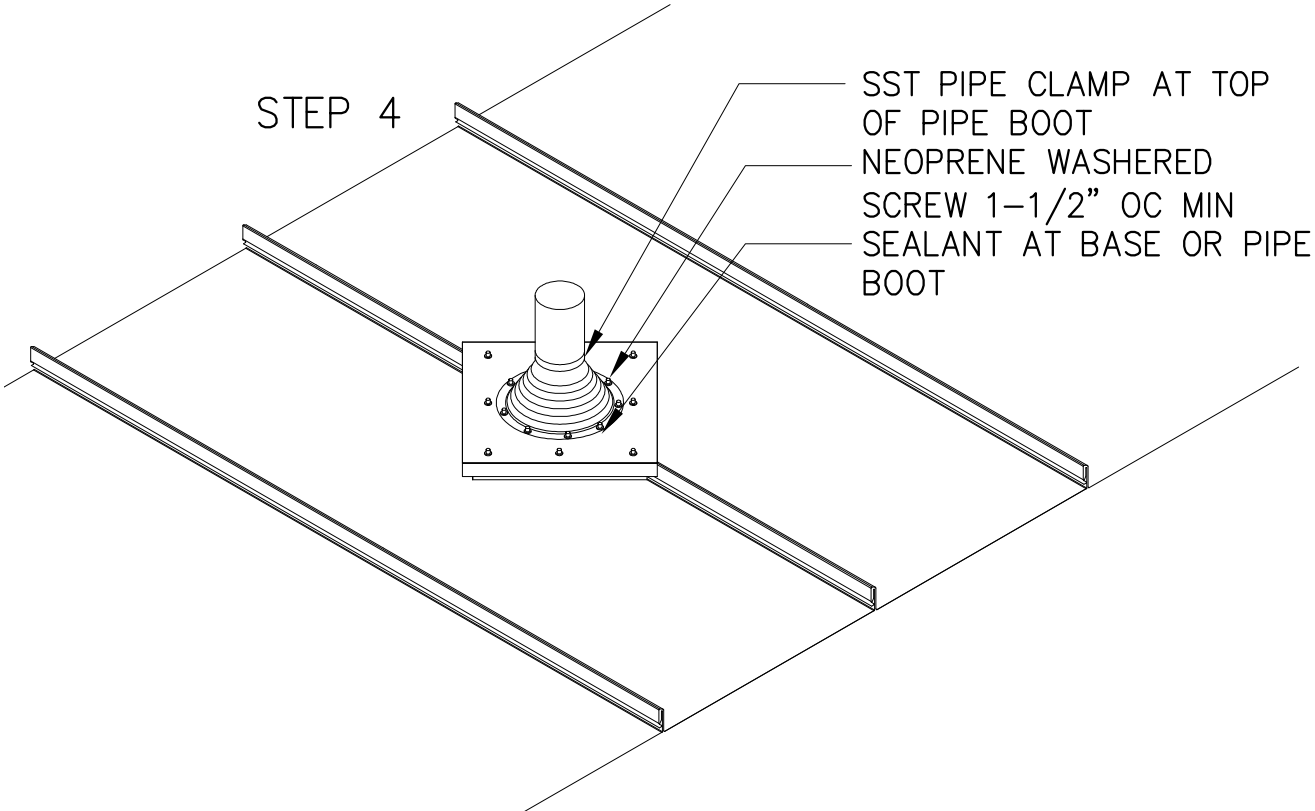
PIPE PENETRATION



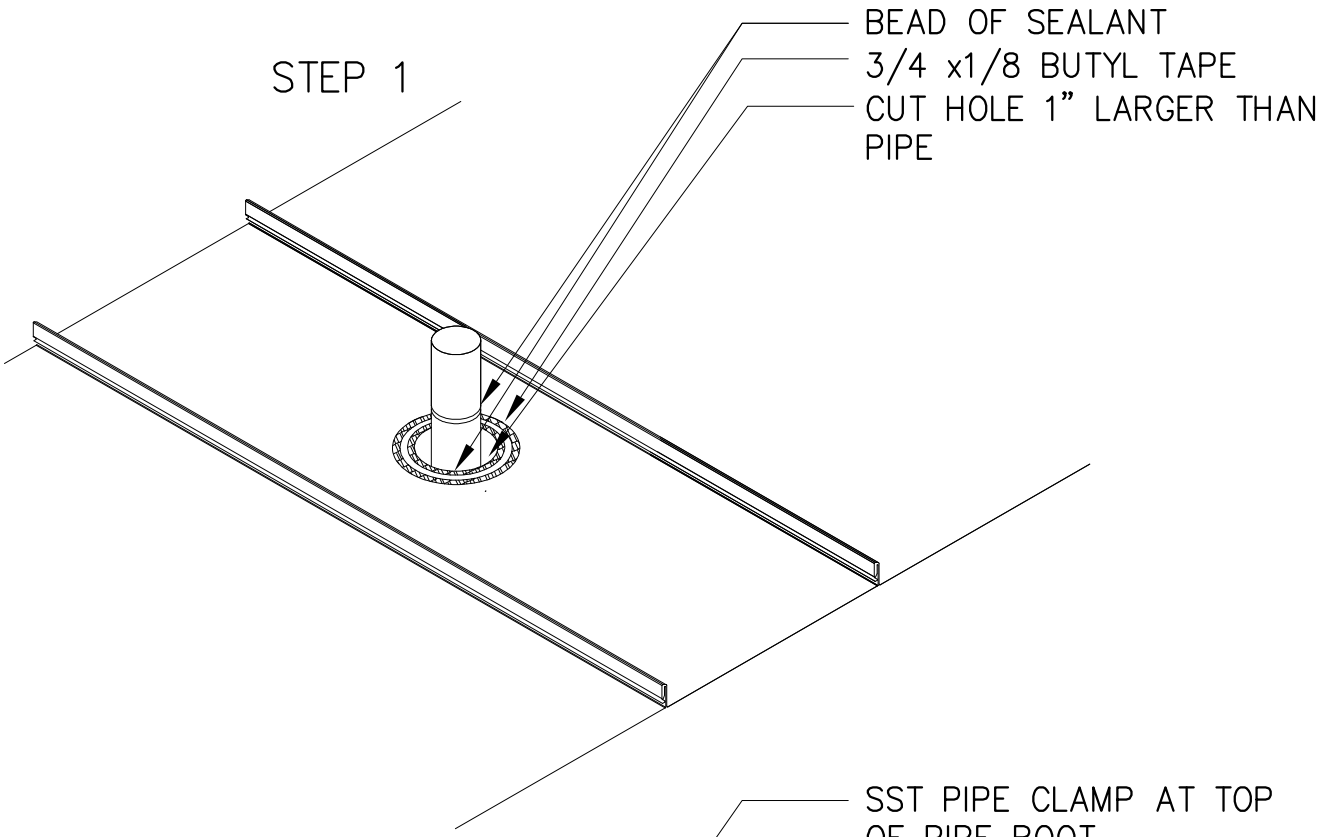


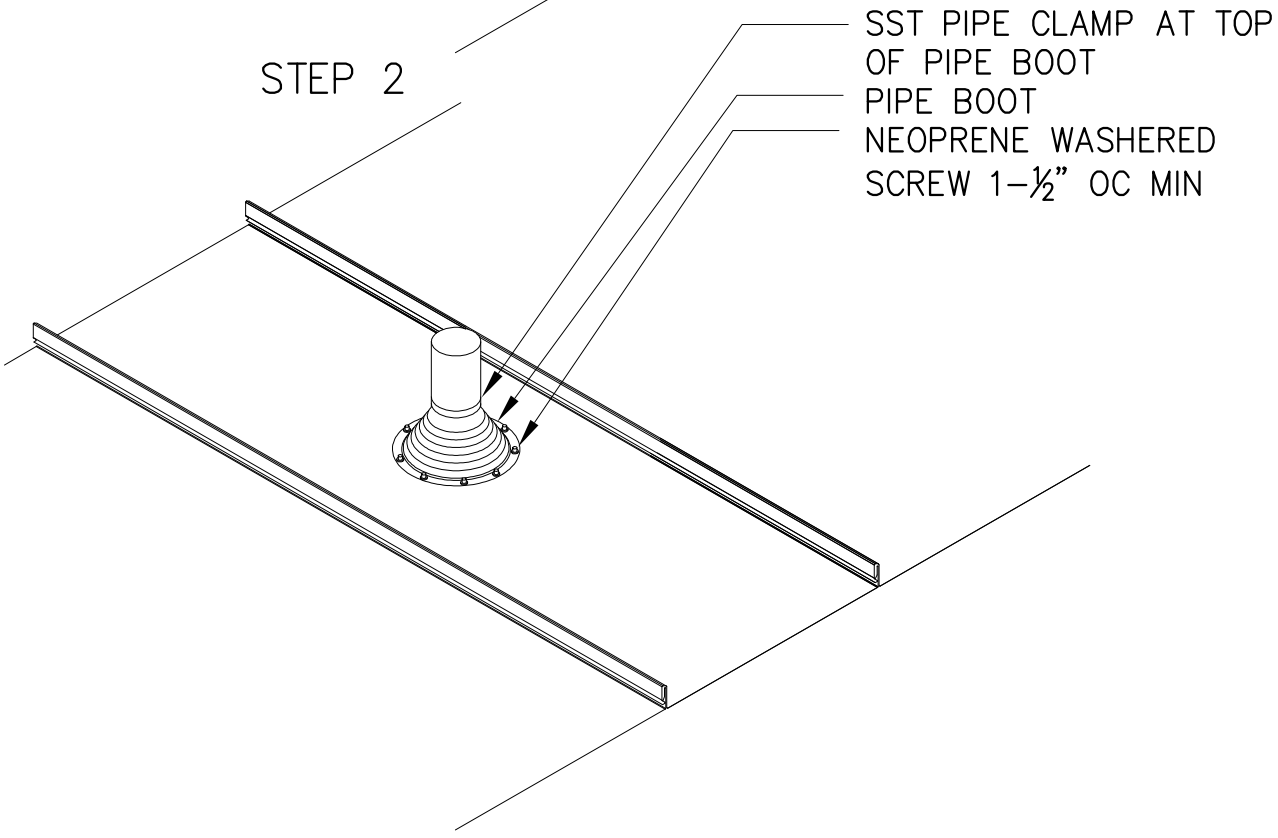
PIPE PENETRATION



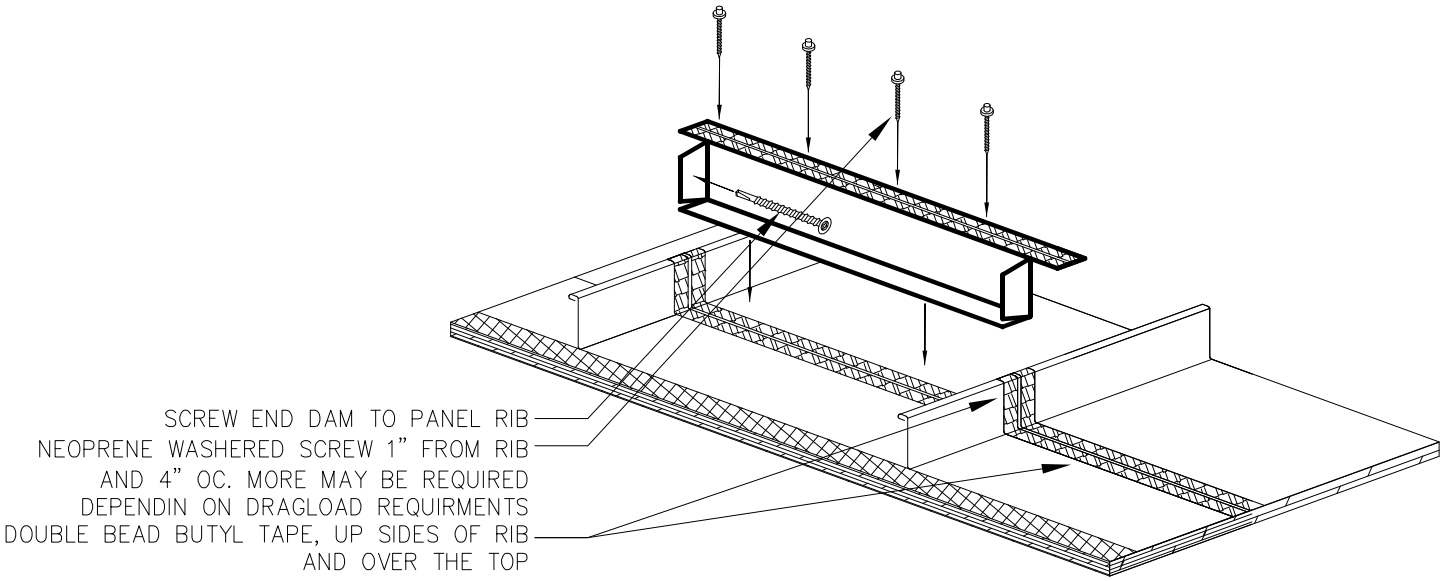


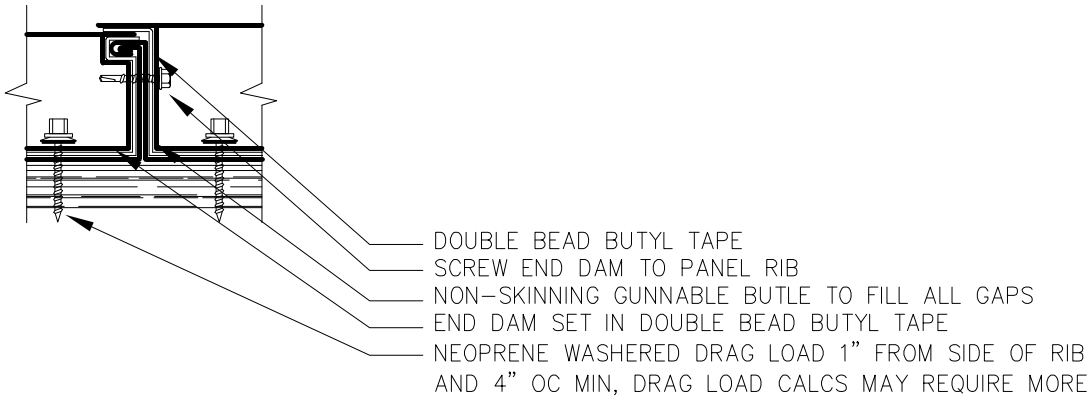
PIPE PENETRATION





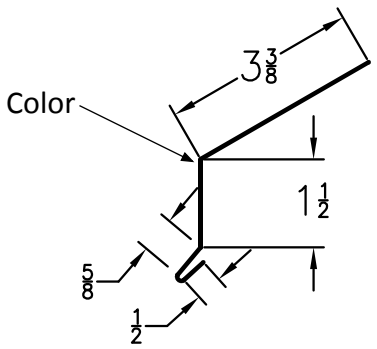
END DAM



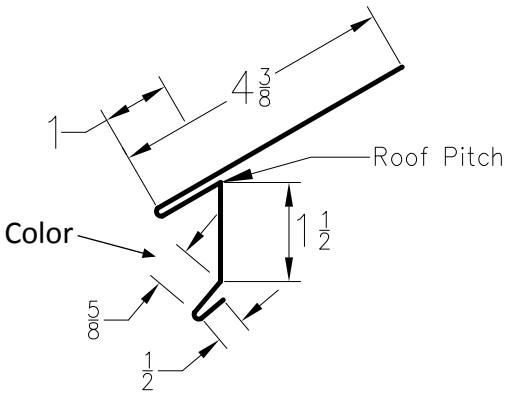


NOTE: All screws must be into solid substrate
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

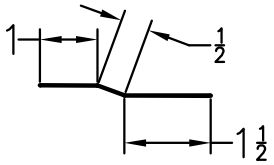
EAVE STANDARD (MSES)



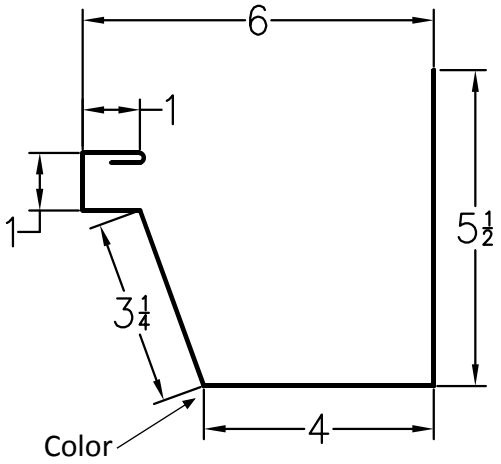
EAVE HOOK (MSEH)



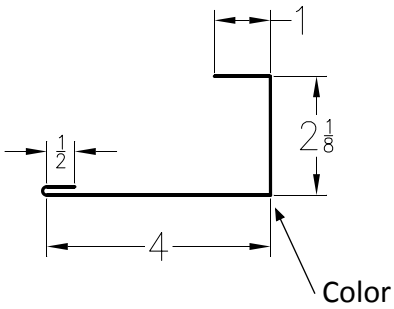
OFFSET CLEAT (MSOC)



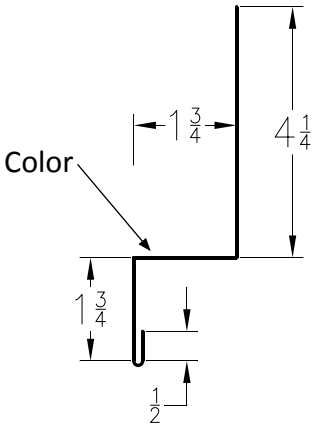
BOX GUTTER (MSBG)



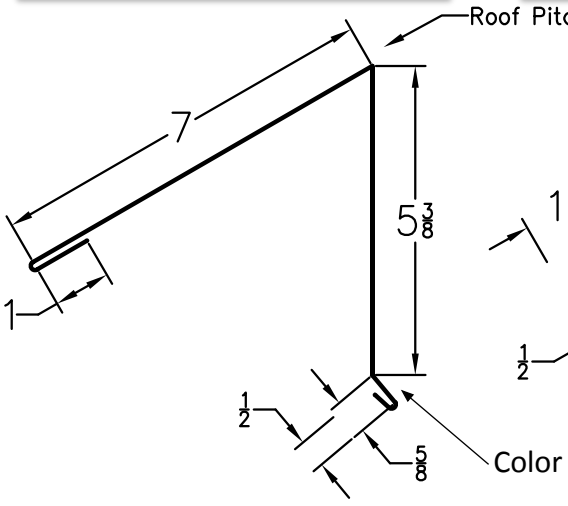
SUPPORT FLASHING (MSSF)



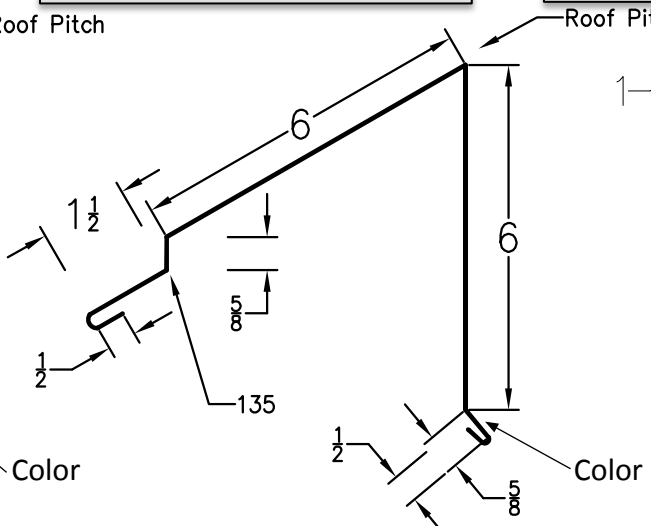
SIDE WALL (MSSW)



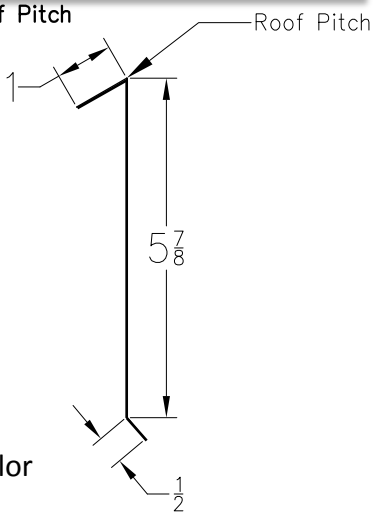
RIDGE END CAP (MSREC)



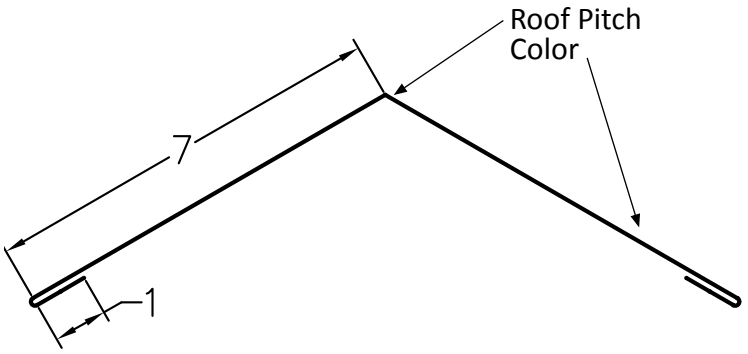
VENTED RIDGE END(MSRECV)



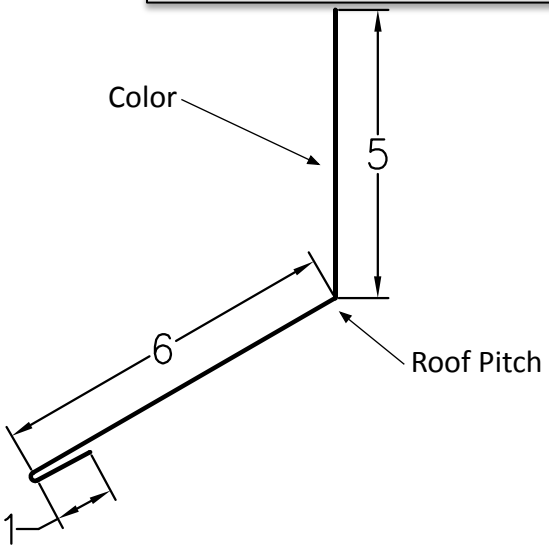
SUPPORT CLEAT (MSSC)



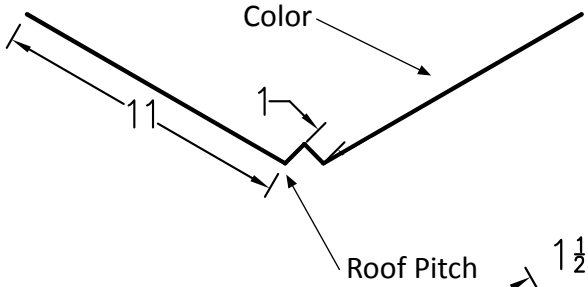
RIDGE (MSRS)



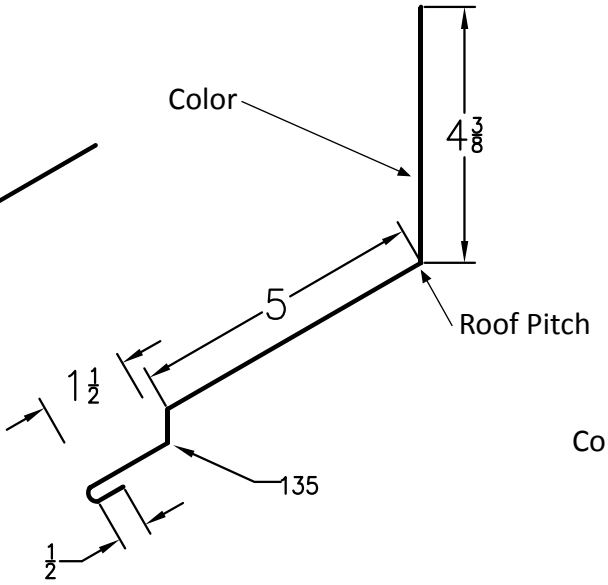
ENDWALL (MSEW)



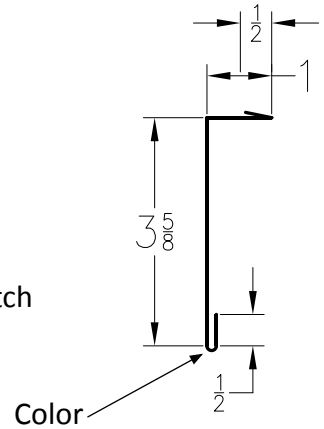
VALLEY FLASHING (MSVF)



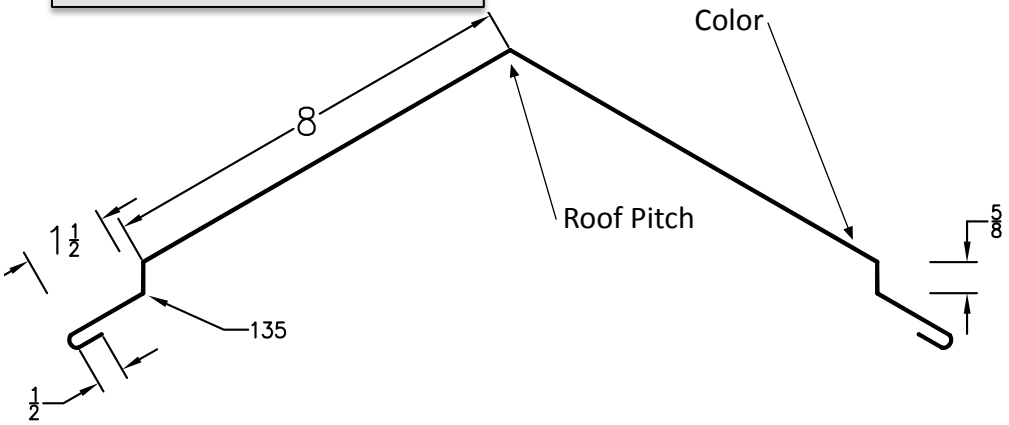
VENTED ENDWALL (MSWV)



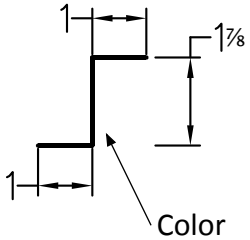
REGLET (MSRF)



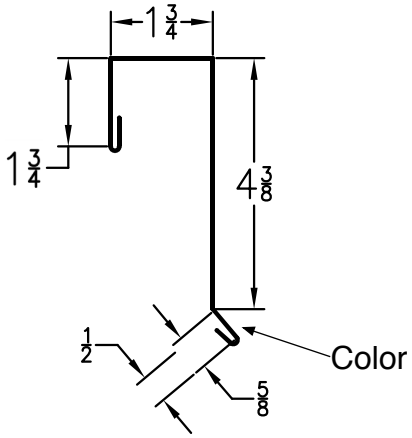
VENTED RIDGE (MSRFV)



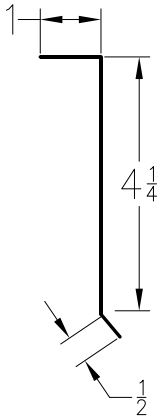
ZEE CLOSURE (MSZF)



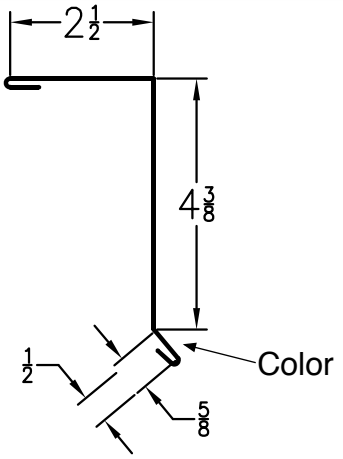
STANDARD GABLE



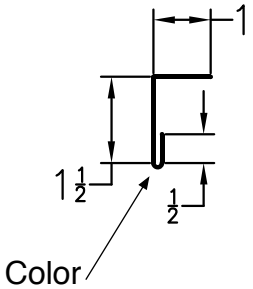
GABLE SUPPORT (MSGSF)



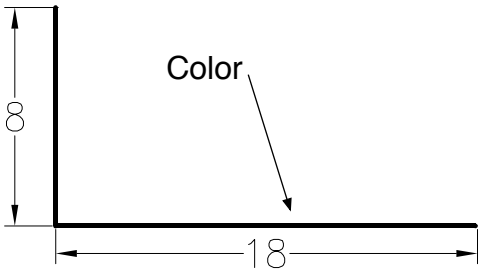
ALT GABLE (MSGS2)



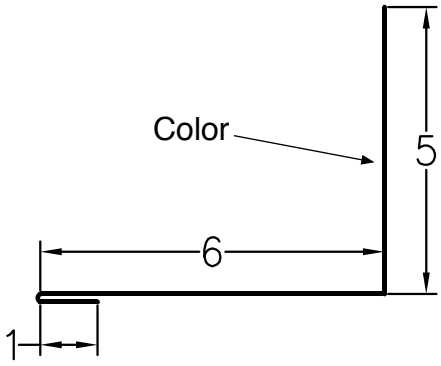
ALT L CLOSURE (MSLF)



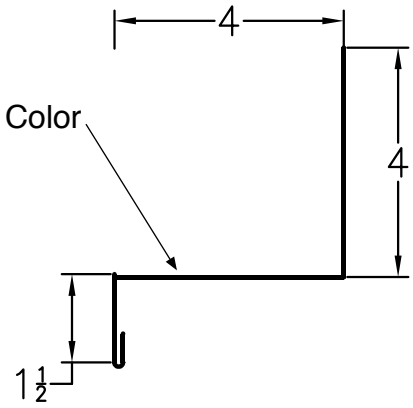
BACK PAN (MSPAN)



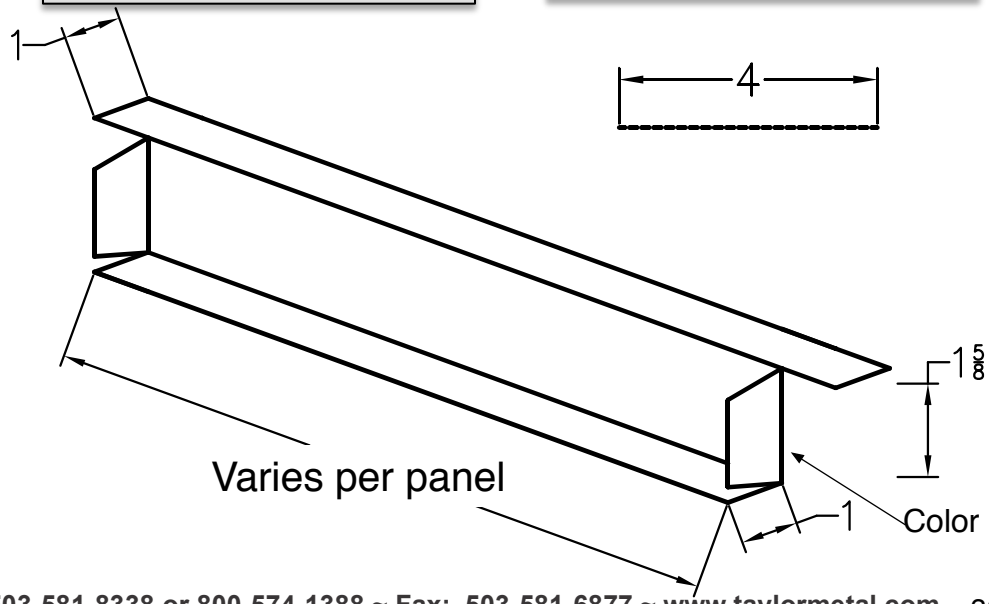
CURB HEAD (MSCH)



CURB SIDEWALL (MSSWC)



END DAM (MSED)



PERF (MSPF)

TAYLOR
METAL PRODUCTS

MS-100™
MS-150™ Flashing and Details Guide

Taylor Metal Products - Phone: 503-581-8338 or 800-574-1388 - Fax: 503-581-6877 - www.taylormetal.com

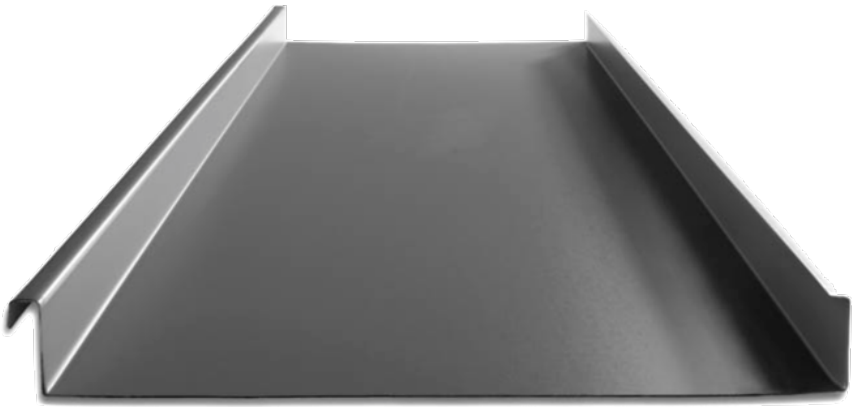
TAYLOR METAL PRODUCTS

MS-100™
MECHANICALLY SEAMED

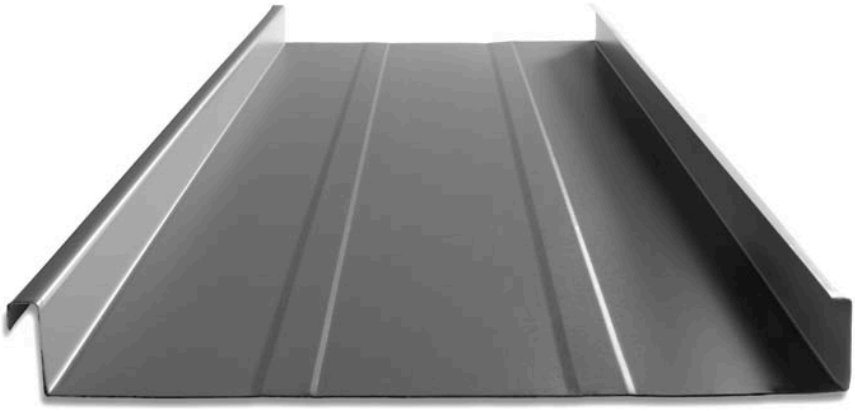
The MS-100™ is a mechanically seamed roof that is perfect for high wind areas and snow country. The butyl injected seam prevents water from entering the system, giving you a worry free roof for a lifetime.

Key Features

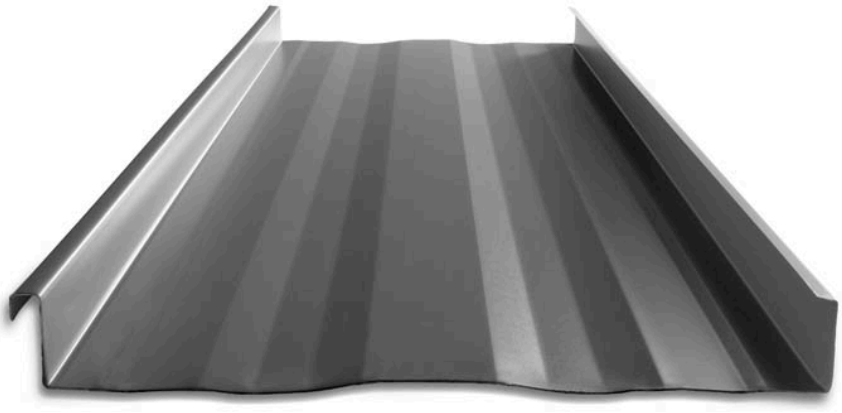
- 12″ to 21″ coverage options
- 26, 24 & 22 gauge Tru-Gauge™, .032 Aluminum and 24 gauge Bonderized (G-90)
- 16 & 20 oz. Copper
- Floating clip system: allows for expansion/contraction of panels in longer lengths
- 1″ vertical rib
- Factory injected Butyl sealant
- Concealed fasteners: fasteners cannot leak
- UL - Code compliance UL Evaluation Report UL ER 25913-01
- UL580 Class 90: Dade impact: Dade 90 Dade 140 MPH: UL Class 4 hail
- ASTM E-2140: ASTM-1646: ASTM 1680: ASTM 283: ASTM 330: ASTM 331: ASTM E-1592
- UL Class A fire rated
- UL Construction No. 554
- 1:12 minimum pitch recommended: For lower panels, please inquire
- Standard panel lengths 2' to 65': For longer panels, please inquire
- Onsite roll forming available
- Pan options: Flat pan, Accent ribs, Striations
- Retro-fit systems available



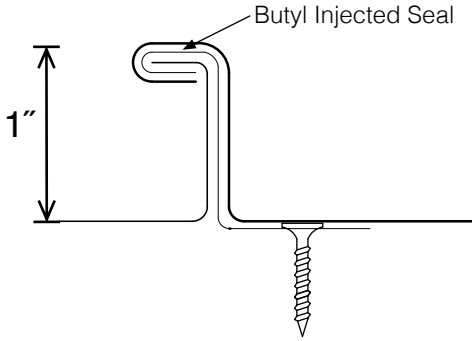
FLAT PAN
12″ to 21″ coverage options



ACCENT RIBS
2 Accent ribs for 12″ to 14⅝ panel
3 Accent ribs for 16″ & 21″ panel



STRIATED



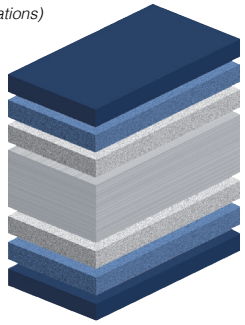
TAYLOR METAL PRODUCTS

Material Specifications

- 26 gauge Kynar 500® Painted Steel .019˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 26, 24 & 22 gauge bare Zincalume® Plus with Clear Acrylic Coating-AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized (G-90)
- 16 and 20 ounce Copper *please inquire*
- Kynar and substrate testing data available *(See website)*

Key Features

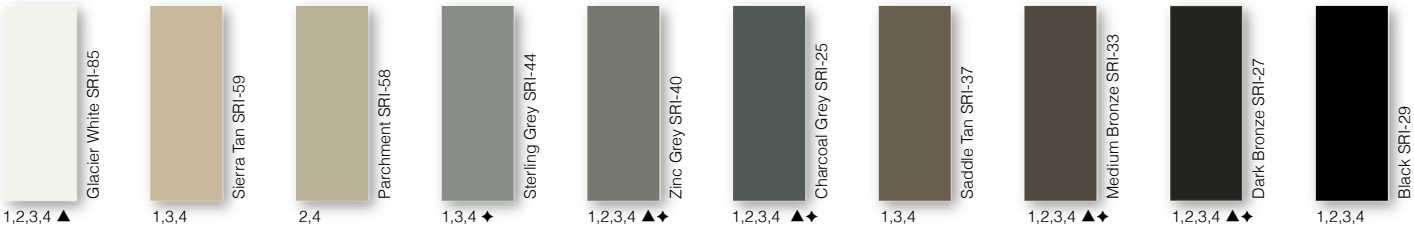
- 20 Standard Colors, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity and color retention
- "Cool" color pigments are specially designed to reflect infrared light, reducing heat gain to dwelling, and conform with ENERGY STAR® criteria
- Superior 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)*



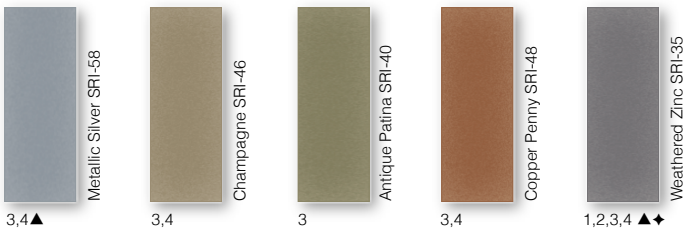
ENERGY STAR · CRRC MEMBER · PPG · steelscape

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

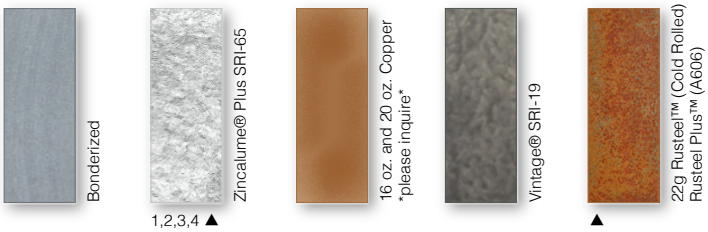
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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
"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

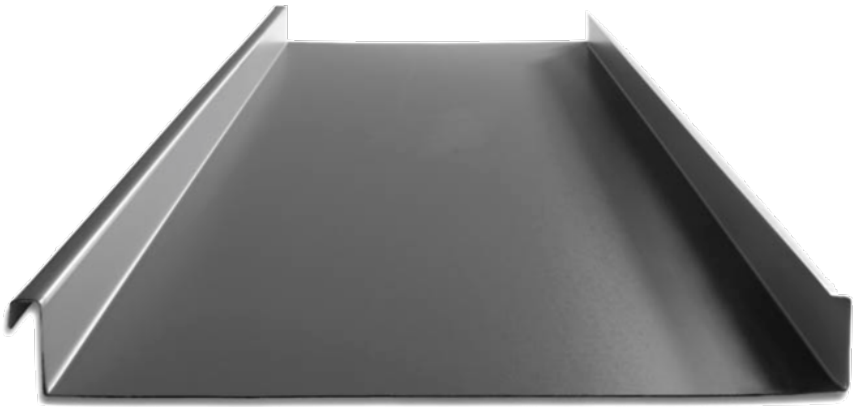
Standard MS100 Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
14˝	26	1	.98	1.14
14˝	24	2	1.15	1.34
17⅞˝	24	3	1.11	1.65
21¼˝	24	4	1.09	1.93
13¼˝	22	▲	1.46	1.61
21¼˝	22	▲	1.37	2.42
17⅞˝	.032	✦	.52	.81

TAYLOR METAL PRODUCTS

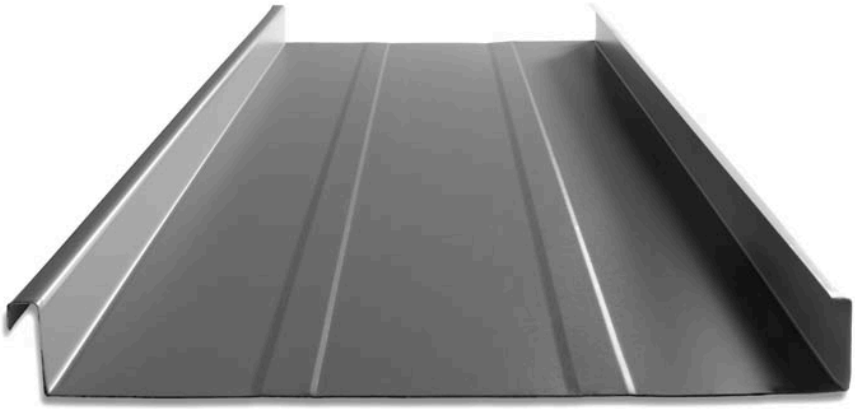
MS-150™
MECHANICALLY SEAMED

The MS-150™ is a mechanically seamed roof that is perfect for high wind areas and snow country. The butyl injected seam prevents water from entering the system, giving you a worry free roof for a lifetime.

- 12″ to 21″ coverage options
- 26, 24 & 22 gauge Tru-Gauge™, .032 Aluminum and 24 gauge Bonderized (G-90)
- 16 & 20 oz. Copper *please inquire*
- Floating clip system: allows for expansion/contraction of panels in longer lengths
- 1½″ vertical rib
- Factory injected Butyl sealant
- Concealed fasteners: fasteners cannot leak
- UL - Code compliance UL Evaluation Report UL ER 25913-01
- UL580 Class 90: Dade impact: Dade 90 Dade 140 MPH: UL Class 4 hail
- ASTM E-2140: ASTM-1646: ASTM 1680: ASTM 283: ASTM 330: ASTM 331: ASTM E-1592
- UL Class A fire rated
- UL Construction No. 554
- Weather tightness warranties available- 5 to 30 Year Prorated or NDL *(Contact TMP representative for details)*
- 1:12 minimum pitch recommended: for lower pitches please inquire
- Standard panel lengths 2' to 65': for longer panels, please inquire
- Onsite roll forming available
- Pan options: Flat pan, Accent ribs, Striations
- Retro-fit systems available



FLAT PAN
12″ to 21″ coverage options



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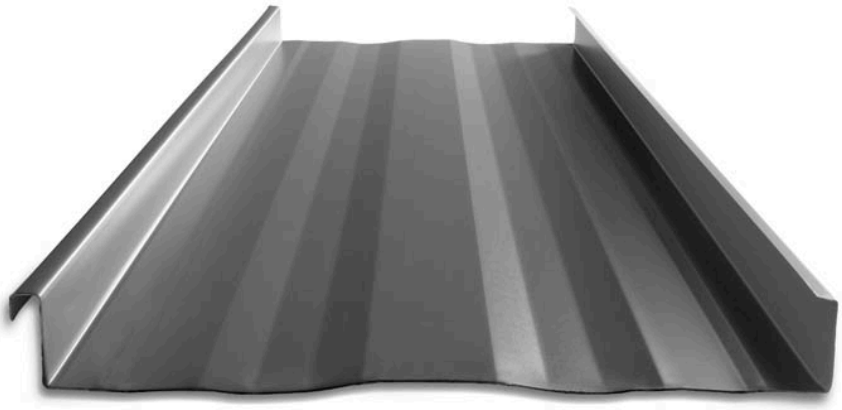
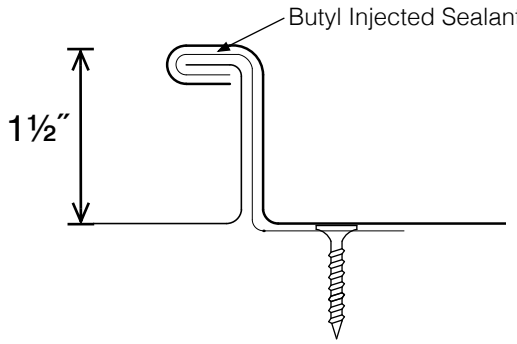


STRIATED



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Key Features

- 20 Standard Colors, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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
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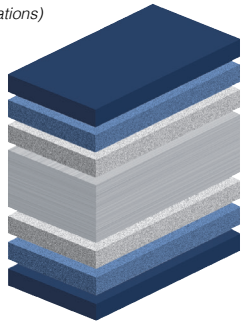
- 20 and 30 year commercial paint warranty: *(Contact TMP for warranty specifications)*



ENERGY STAR · CRRC MEMBER · PPG · steelscape

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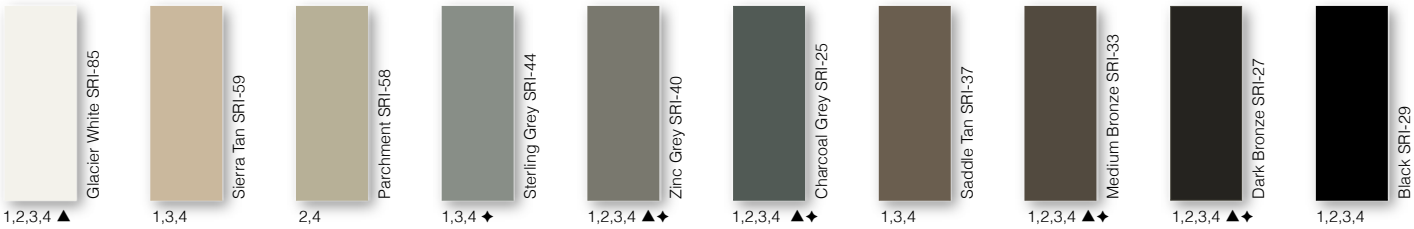
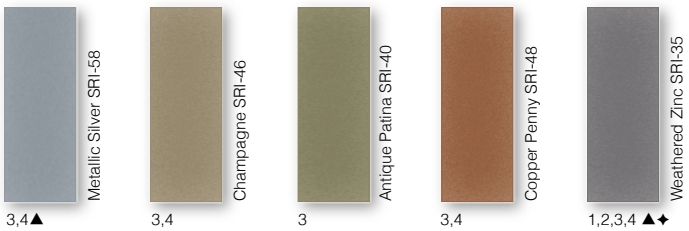
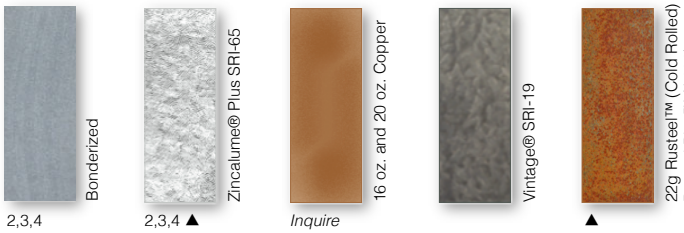


Metallic Cool Kynar 500® Colors



Specialized Material



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Standard MS150 Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
12¾˝	26	1	1.05	1.14
12¾˝	24	2	1.24	1.34
16⅝˝	24	3	1.18	1.65
20˝	24	4	1.14	1.93
12˝	22	▲	1.58	1.61
20˝	22	▲	1.43	2.42
16⅝˝	.032	✦	.55	.81

8-16

NOTES TO DESIGNER/INSTALLER……pg. 4-5
HANDLING/STORAGE & SAFETY……..pg. 6
HOOK EAVE DETAIL……..pg. 7
HOOK EAVE WITH GUTTER DETAIL……pg. 8
STANDARD RIDGE DETAIL……pg. 9
VENTED RIDGE DETAIL……pg. 10
STANDARD VALLEY DETAIL……pg. 11
ALTERNATE VALLEY DETAIL…… pg. 12
STANDARD GABLE DETAIL……pg. 13
ALTERNATE GABLE DETAIL……..pg. 14
SIDE WALL DETAIL…… ……..pg. 15
RIDGE END CAP DETAIL ……..pg. 16
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PITCH CHANGE DETAIL…… pg. 18
END WALL DETAIL……pg. 19
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BACK PAN/CRICKET ISO DETAIL ……..pg. 21
CURB SIDE WALL DETAIL……..pg. 22
CURB HEAD DETAIL……..pg. 23
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PIPE PENATRATION DETAIL 1……pg. 25
PIPE PENATRATION DETAIL 2……pg. 26
PIPE PENETRATION MID PANEL……pg. 27
ROOF END DAM ASSEMBLY……pg. 28
FLASHING SELECTION……pg. 29-31

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 Commercial Products offers MS150™ 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 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 Commercial 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 Commercial 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.

Notes to Designer/Installer

Taylor Commercial 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.

The Standard gauge for all products in this guide is 24 gauge and the standard finish is Kynar 500®/Hylar 5000®. 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. MS150™ can be used over spaced purlins. For solid substrate, Taylor Commercial Products recommends 5/8" plywood or metal decking.

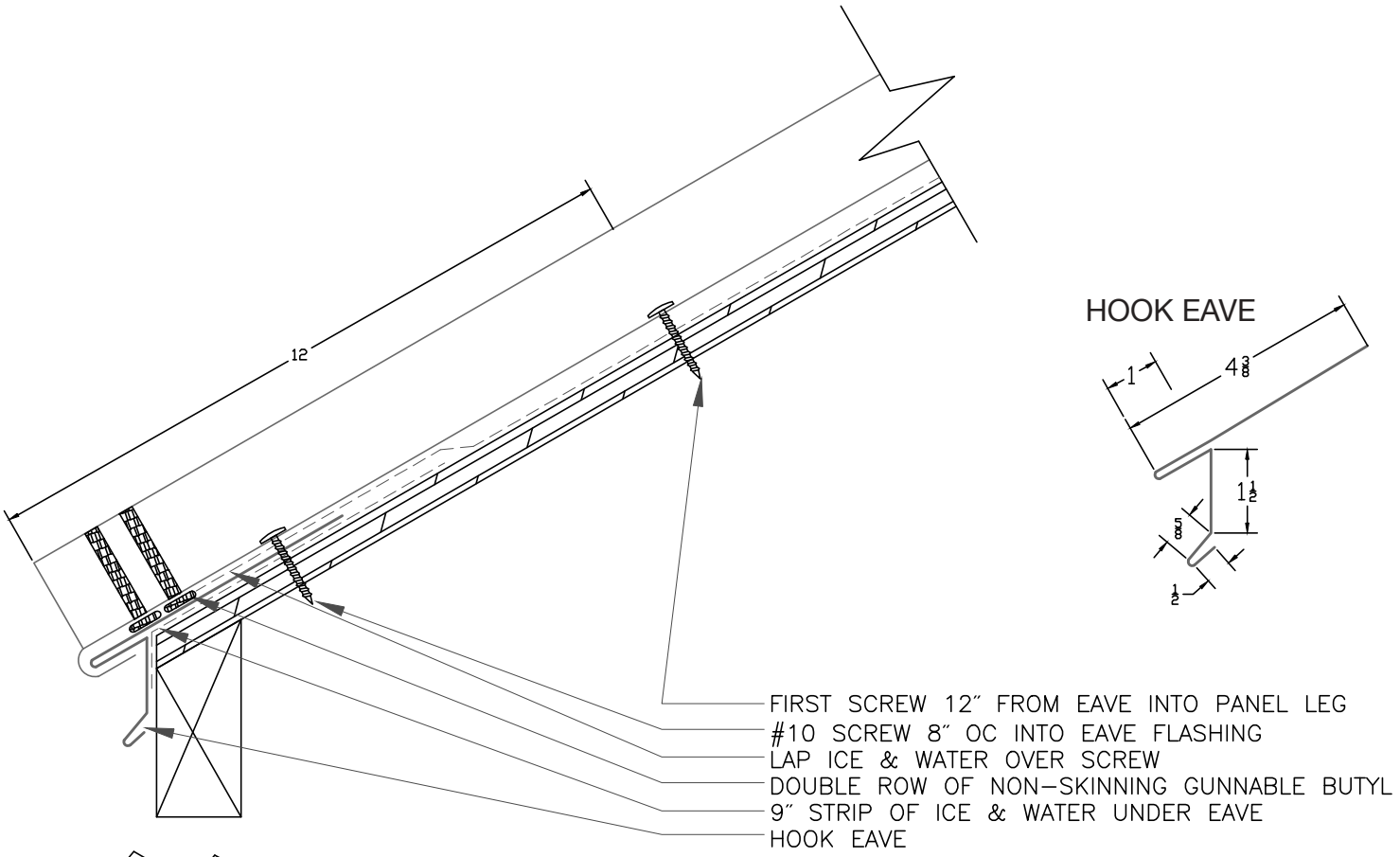
Underlayments

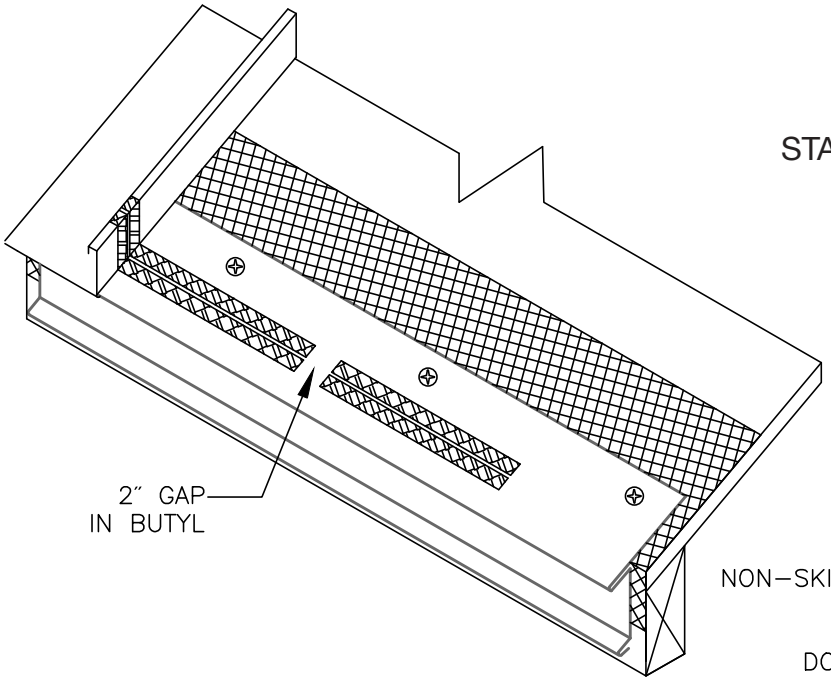
Minimum underlayment requirements are 30 lb. ASTM rated felt, a synthetic underlayment with Class A and ASTM UV protection technology or a high temperature self-adhering rubberized membrane. When choosing the underlayment, consider the roof slope, roof design, roof panel, and the climate.

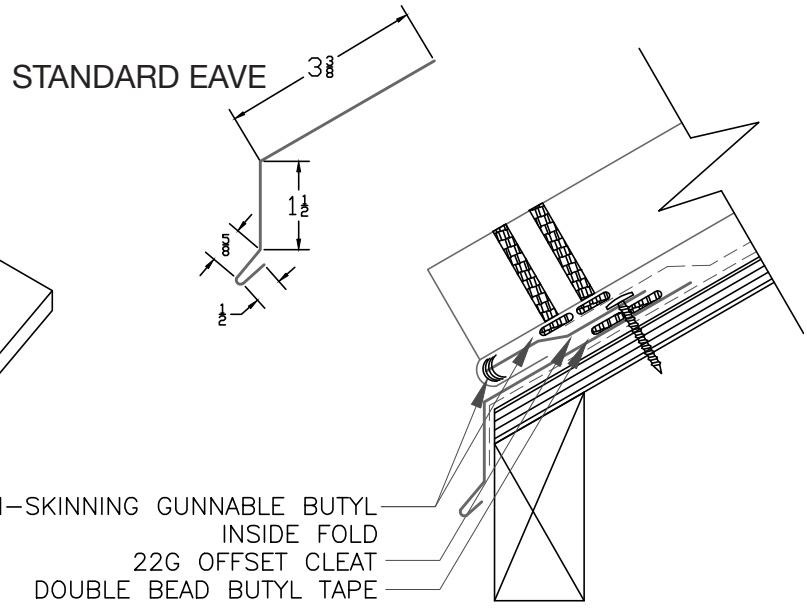
Drag Load Requirements

All panels must be pinned at the top 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 Commercial Products for specific drag load requirements.

HOOK EAVE

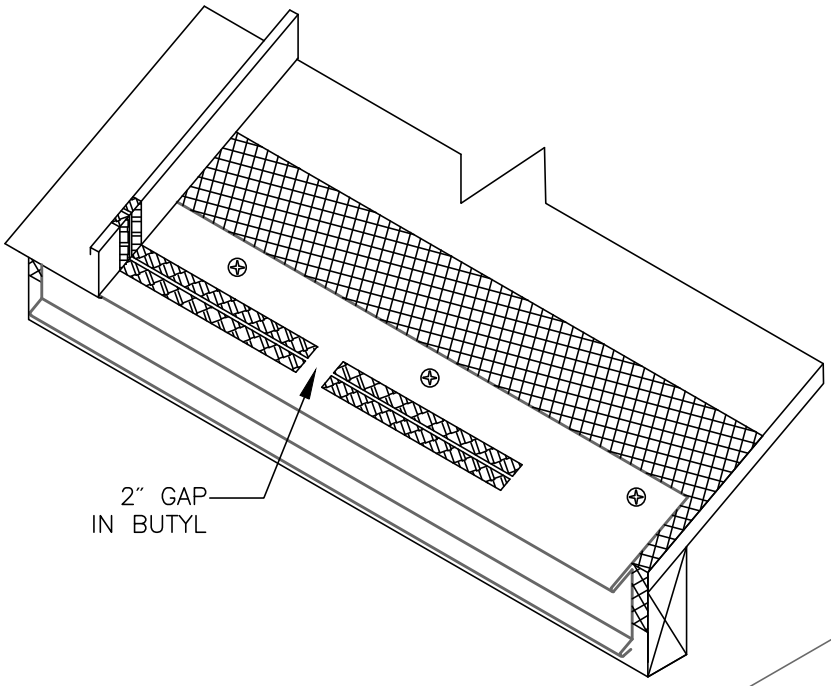




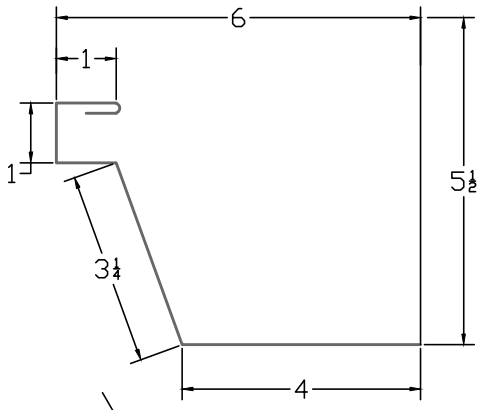


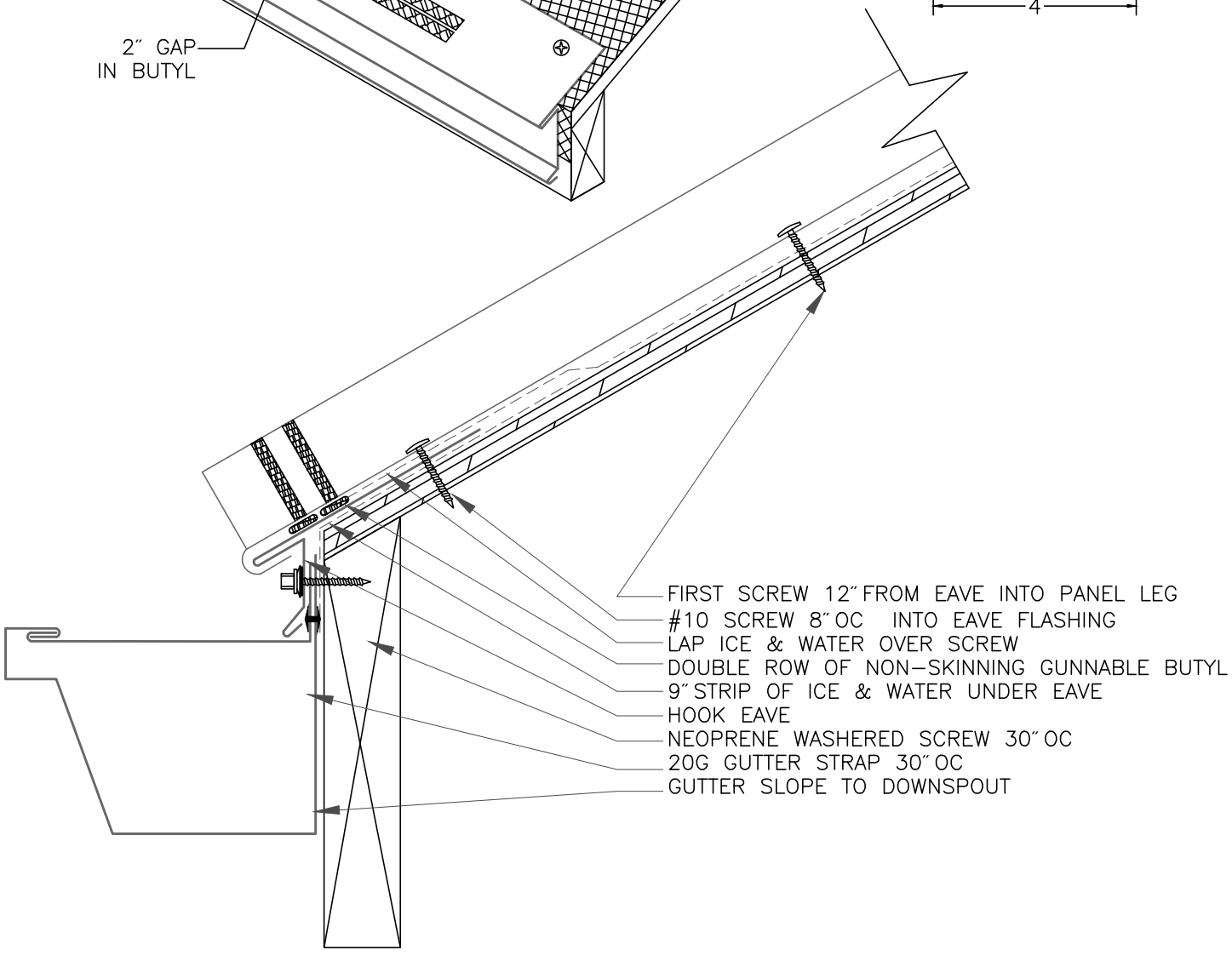
NOTE: All screws must be into solid substrate.
Flashing must be lapped 4″ with 2 rows of non–skinning gunnable butyl

BOX GUTTER



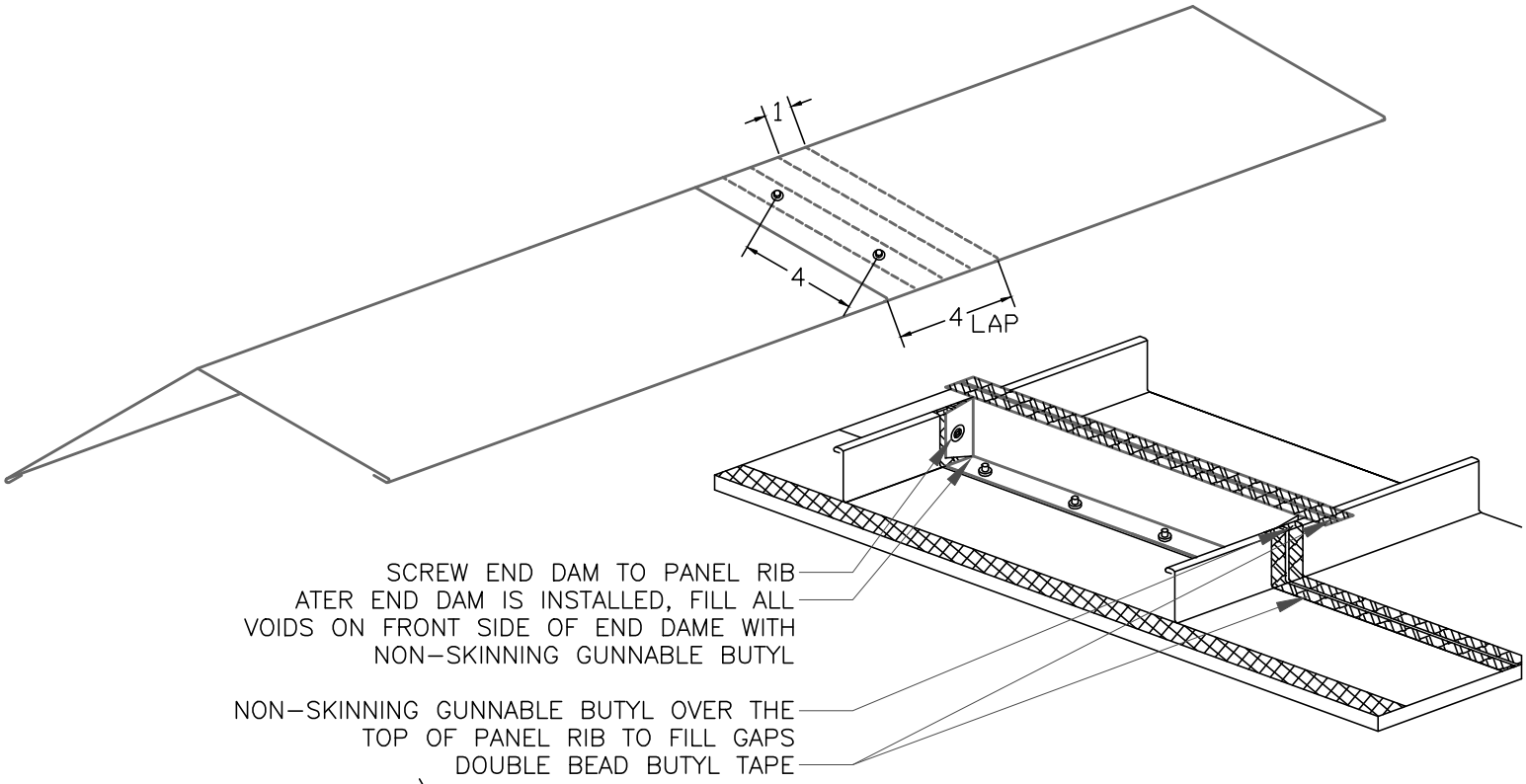
BOX GUTTER

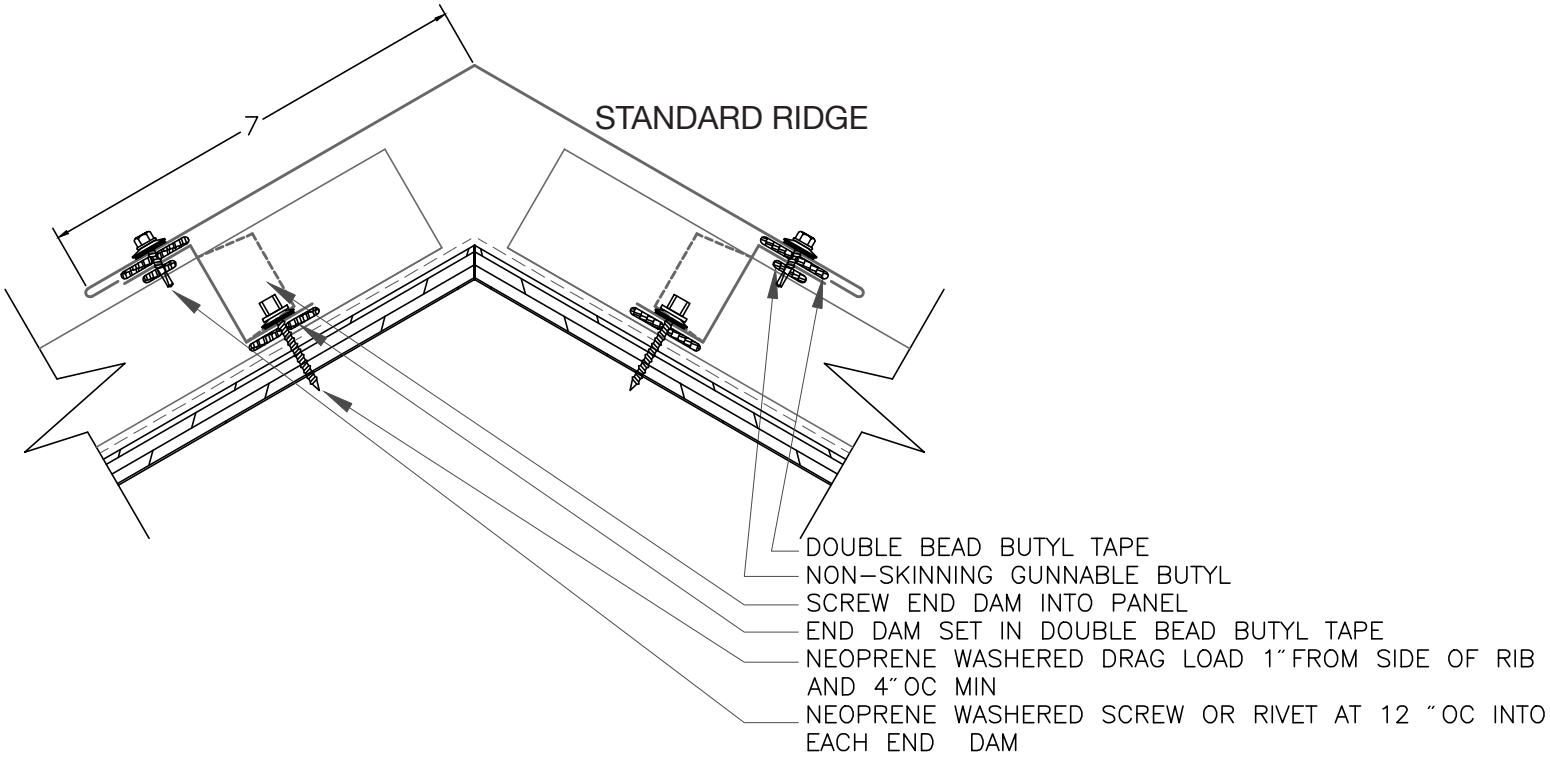




NOTE: All screws must be into solid substrate.
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl

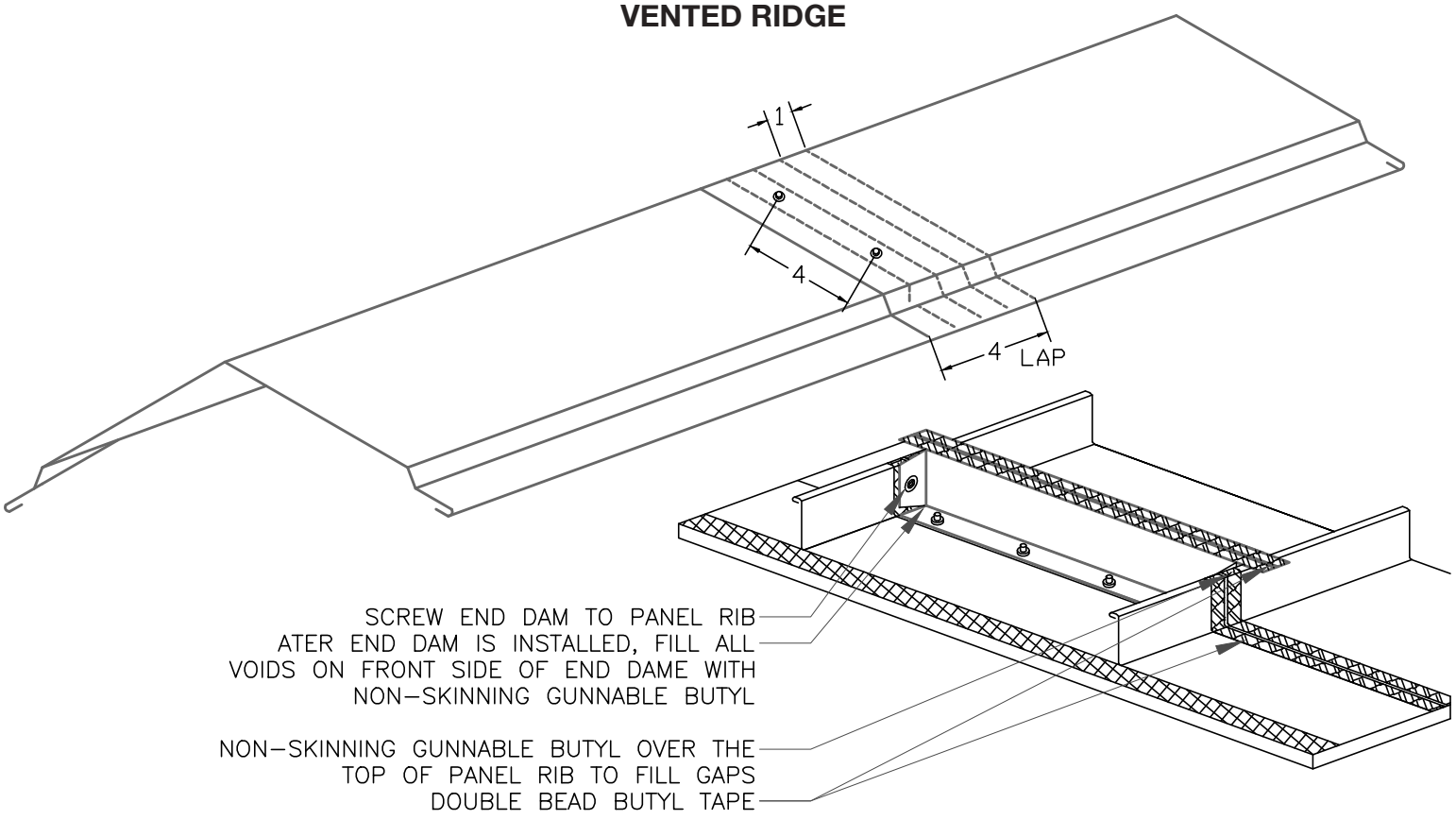
STANDARD RIDGE





NOTE: All screws must be into solid substrate.
Flashing must be lapped 4˝ with 2 rows of non–skinning gunnable butyl

VENTED RIDGE



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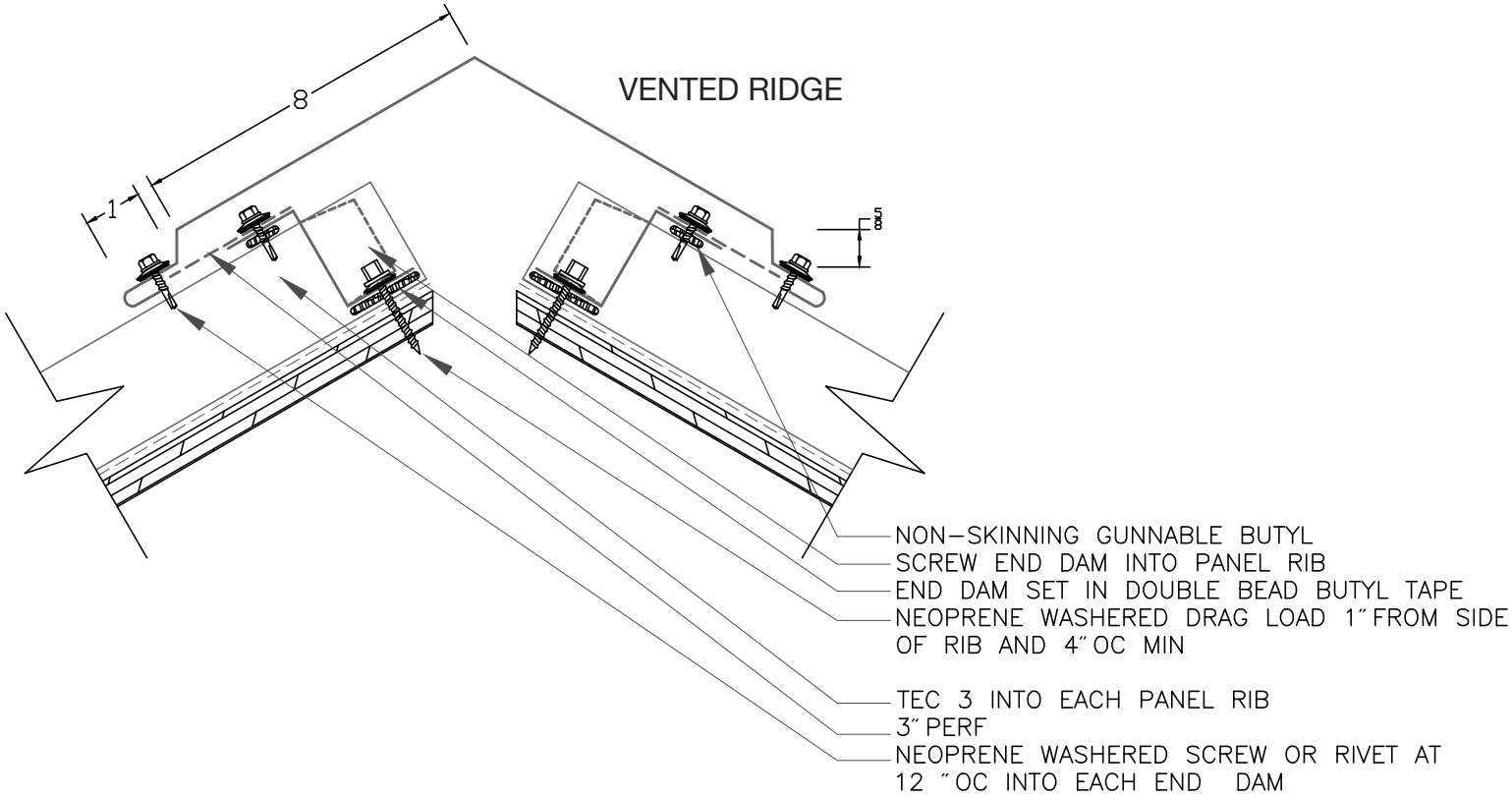
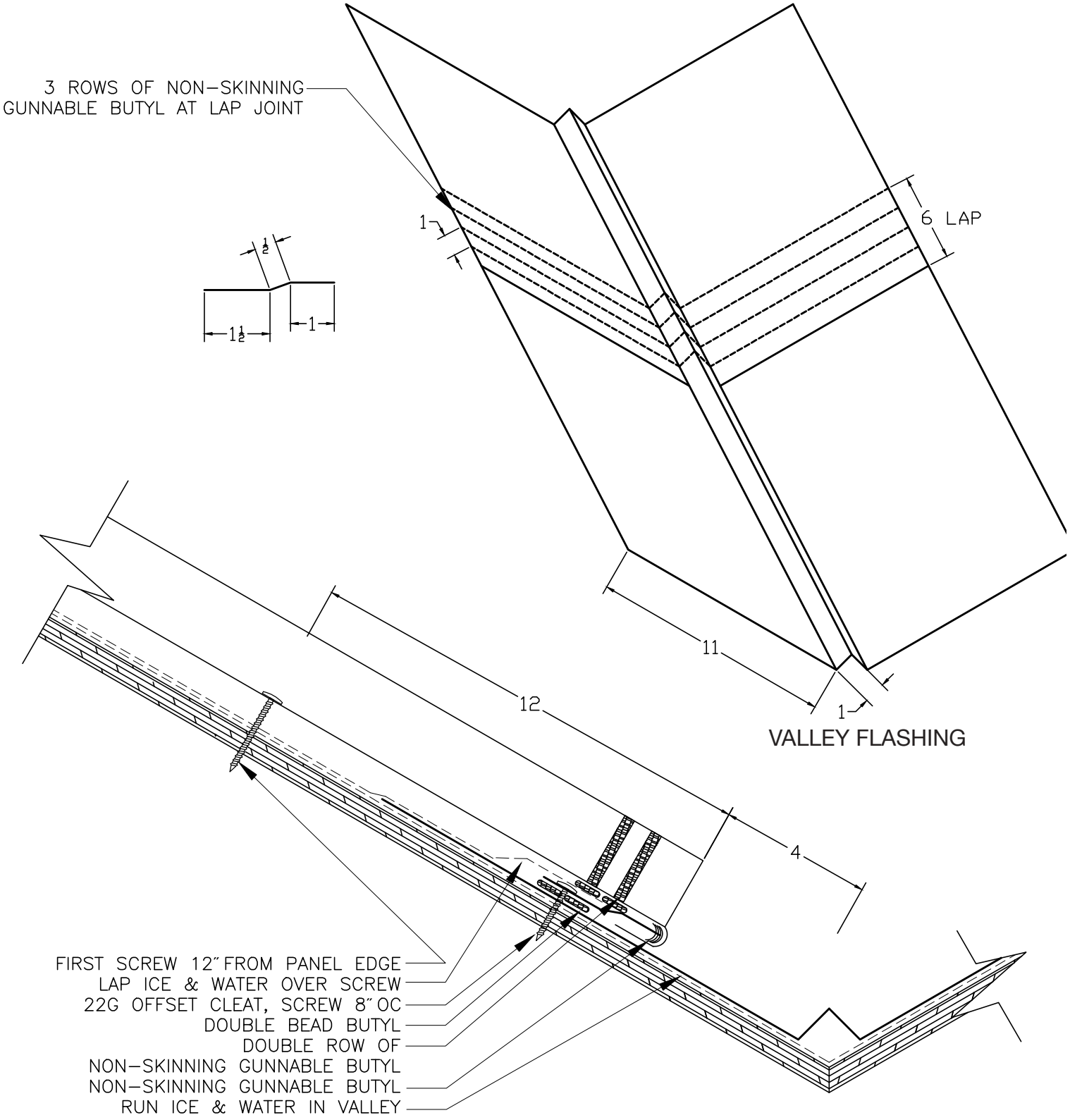


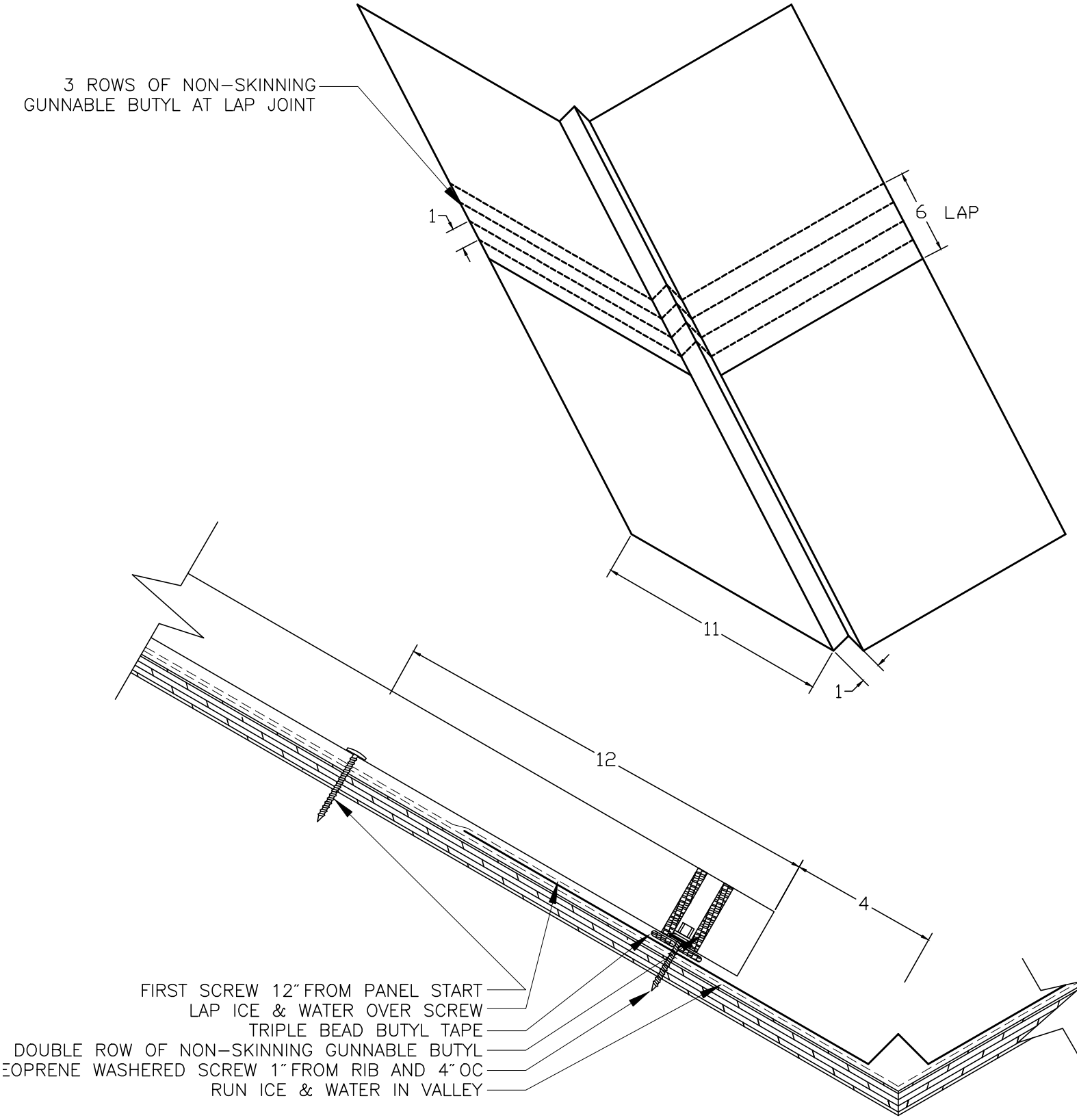
NOTE: All screws must be into solid substrate.
Flashing must be lapped 4″ with 2 rows of non–skinning gunnable butyl

STANDARD VALLEY



NOTE: All screws must be into solid substrate.
Flashing must be lapped 4″ with 2 rows of non–skinning gunnable butyl

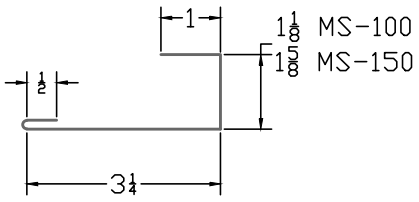
ALTERNATE VALLEY



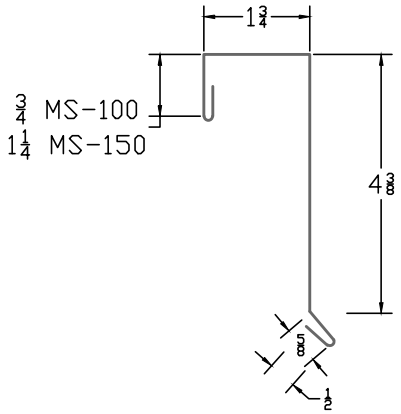
NOTE: All screws must be into solid substrate.
Flashing must be lapped 4″ with 2 rows of non–skinning gunnable butyl

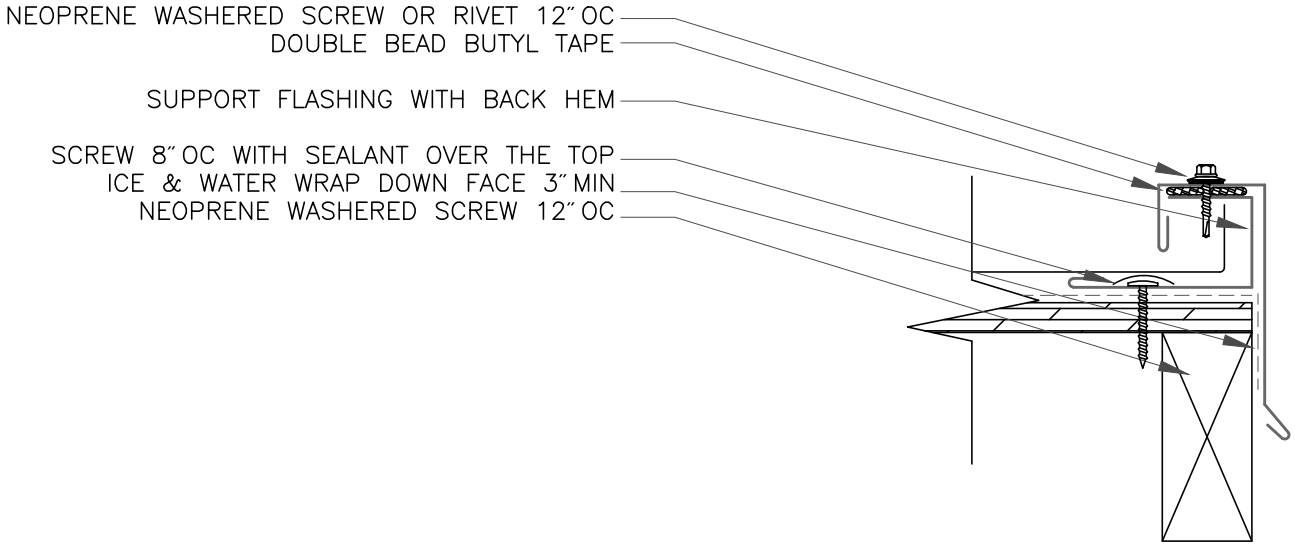
STANDARD GABLE

SUPPORT FLASHING



STANDARD GABLE

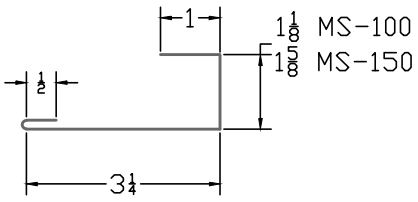




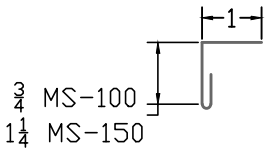
NOTE: All screws must be into solid substrate.
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl
"

ALTERNATE GABLE

SUPPORT FLASHING



ALTERNATE GABLE L



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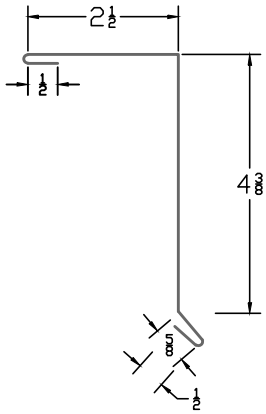
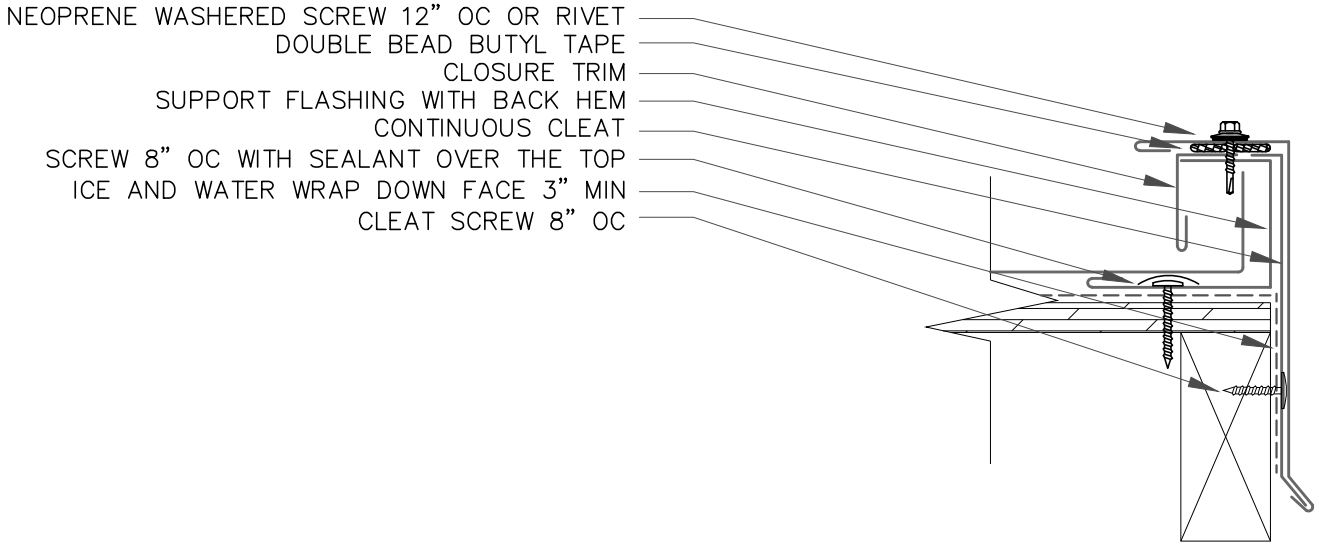
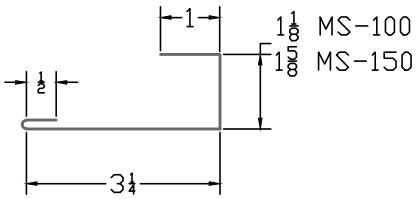




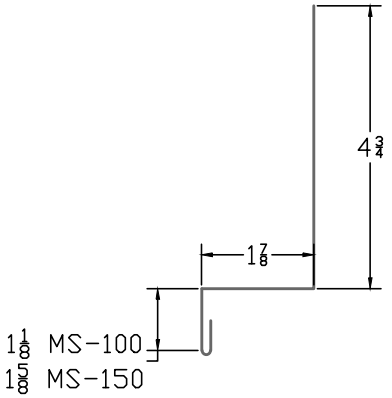
NOTE: All screws must be into solid substrate.
Flashing must be lapped 4" with 2 rows of non-skinning gunnable butyl
"

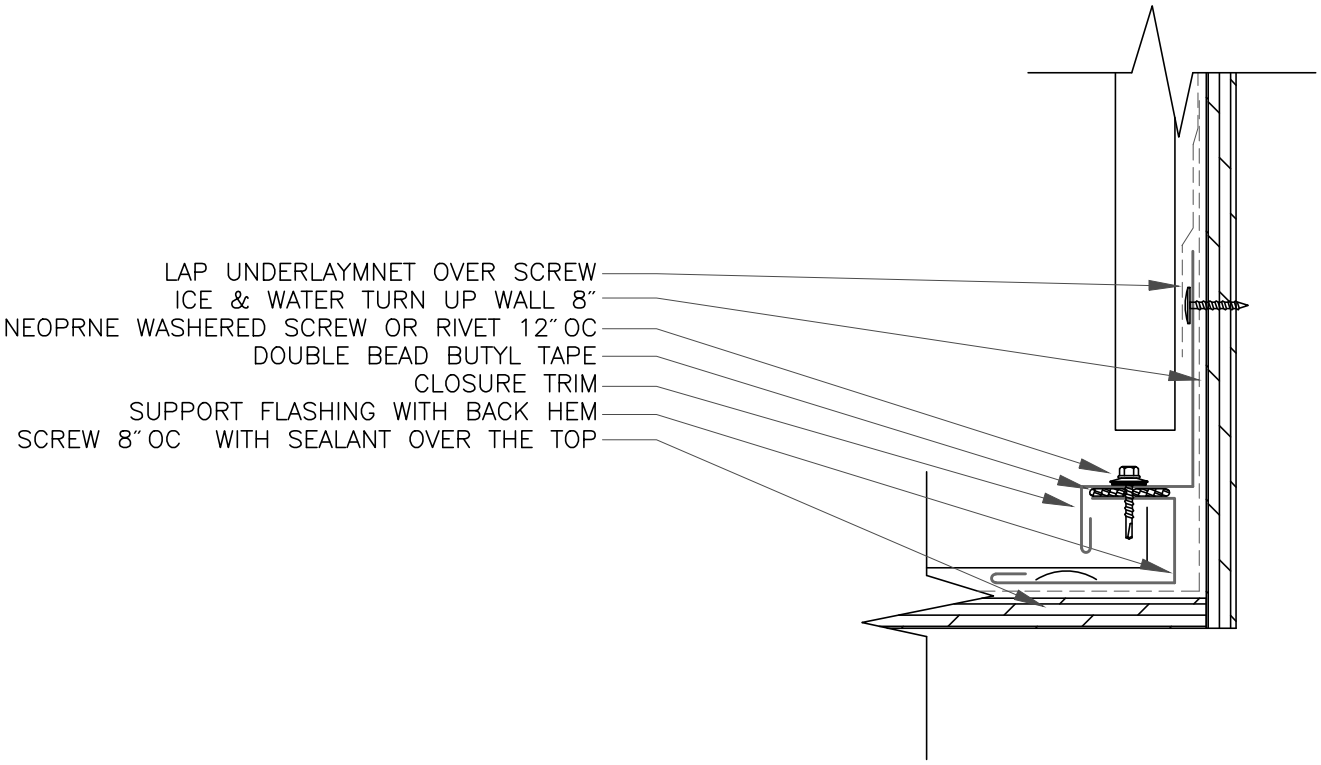
SIDE WALL

SUPPORT FLASHING

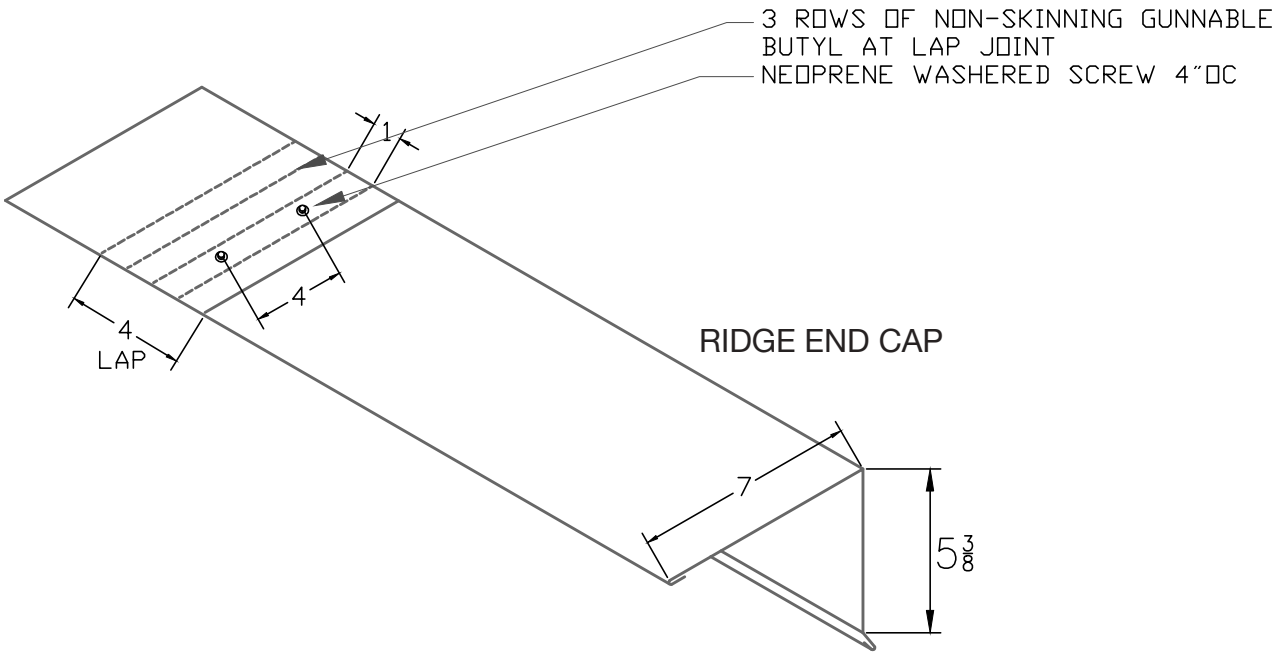


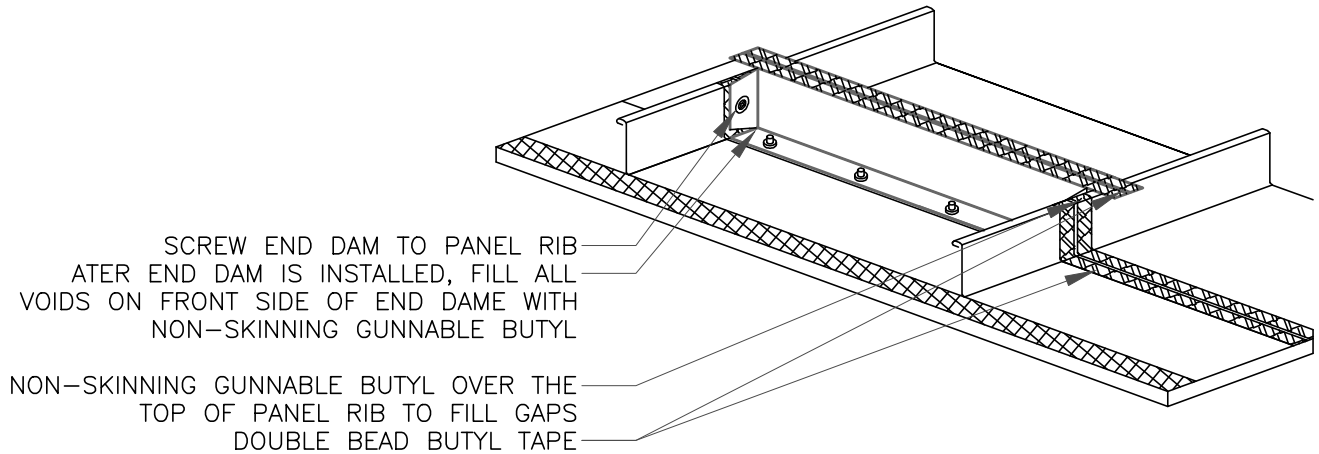
SIDE WALL

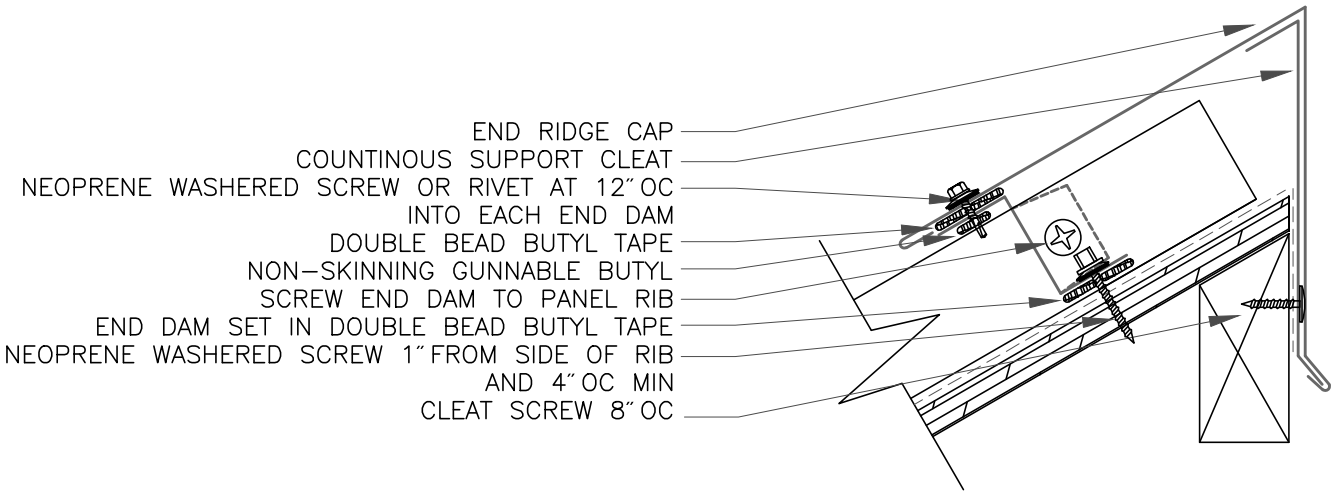




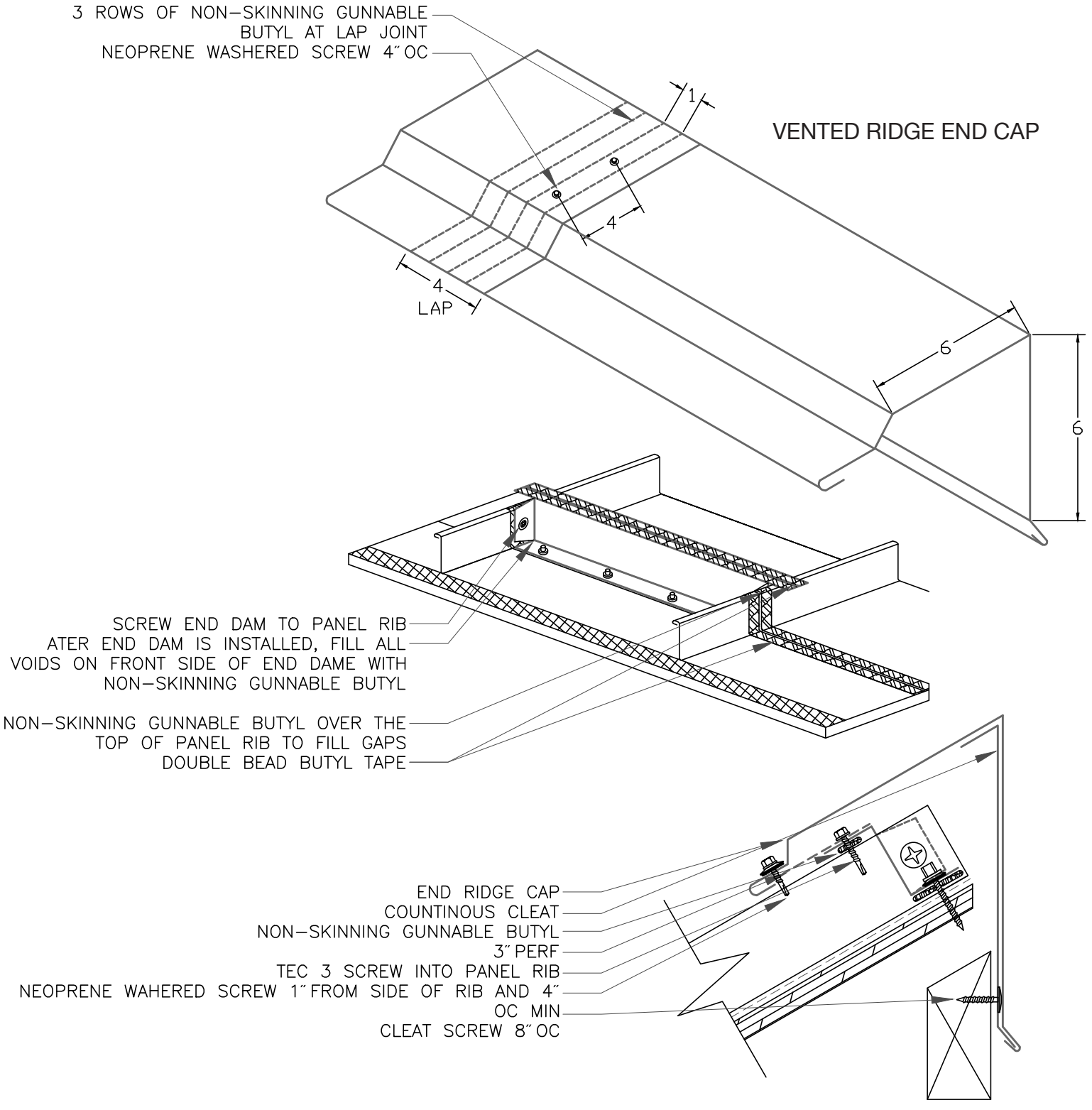
RIDGE END CAP



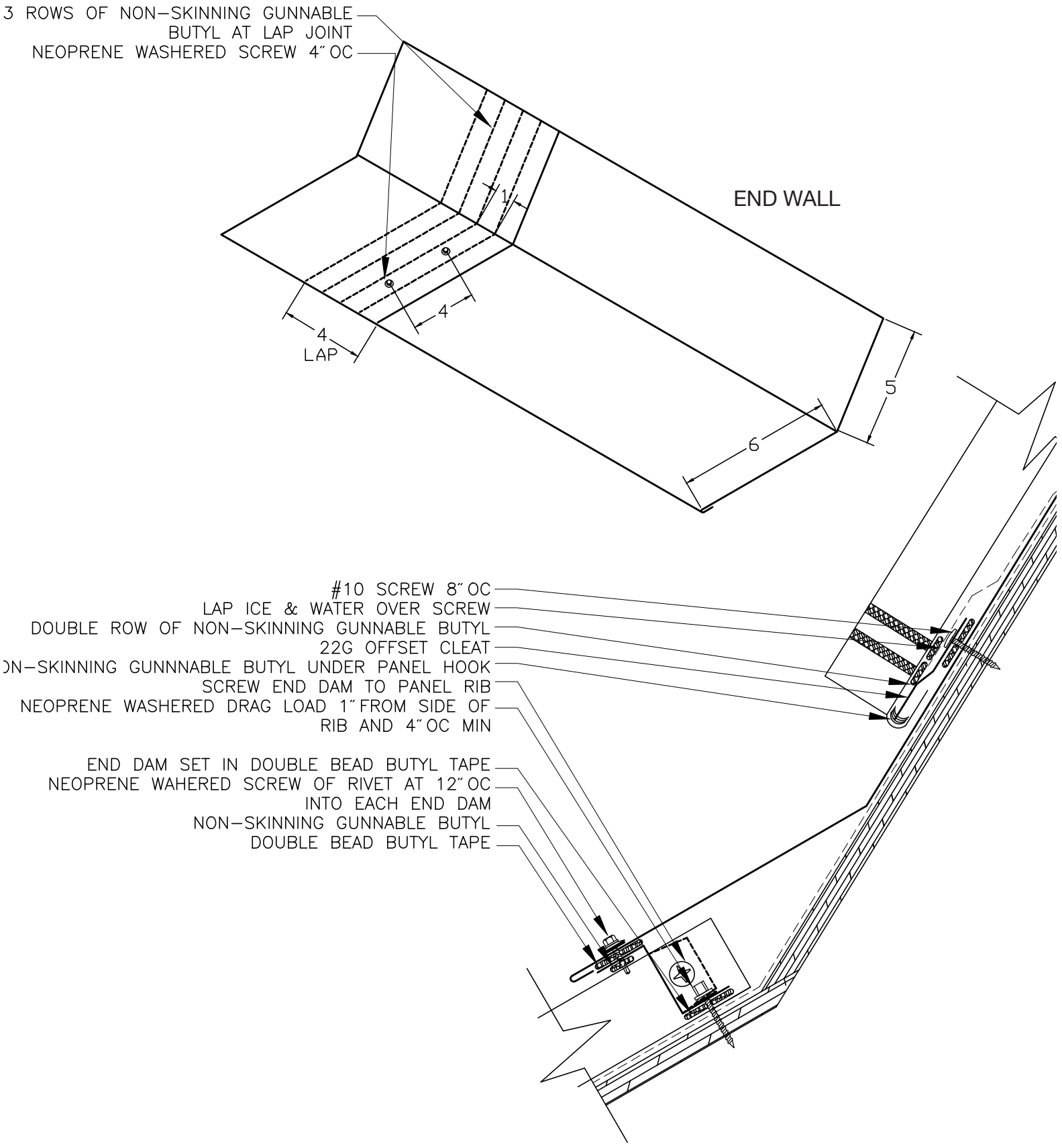




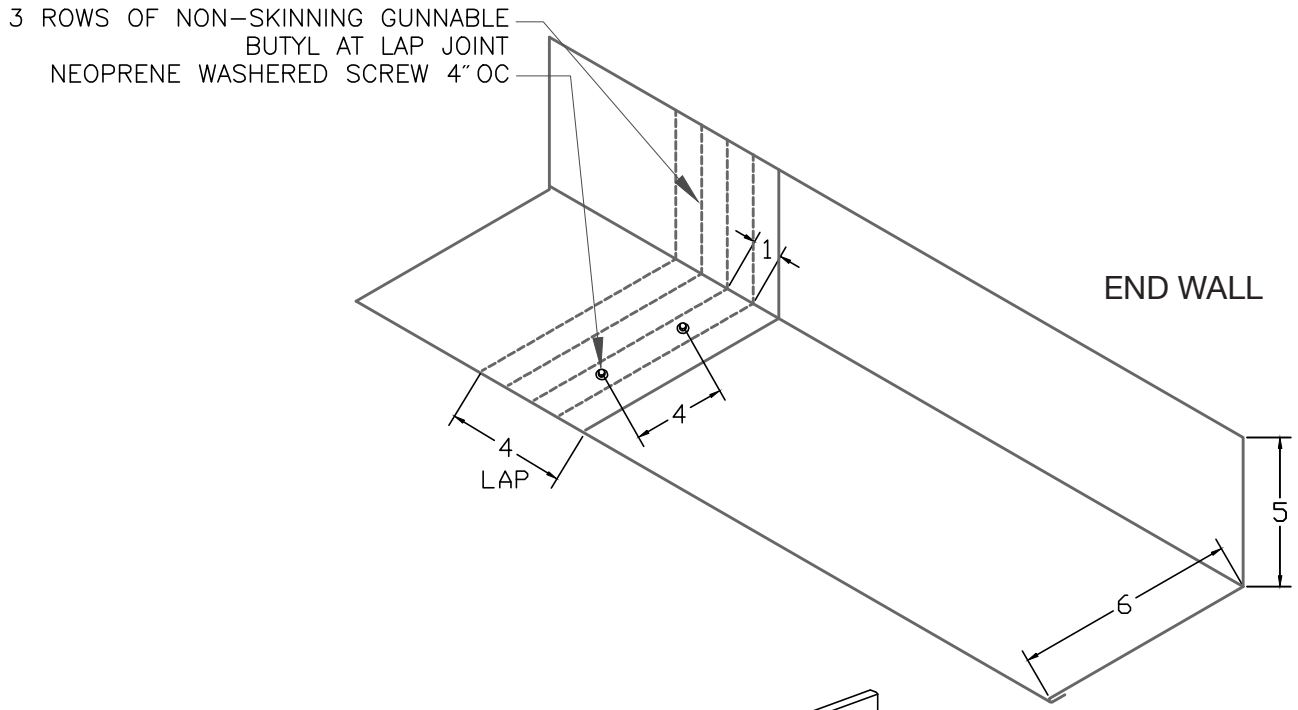
VENTED RIDGE END CAP

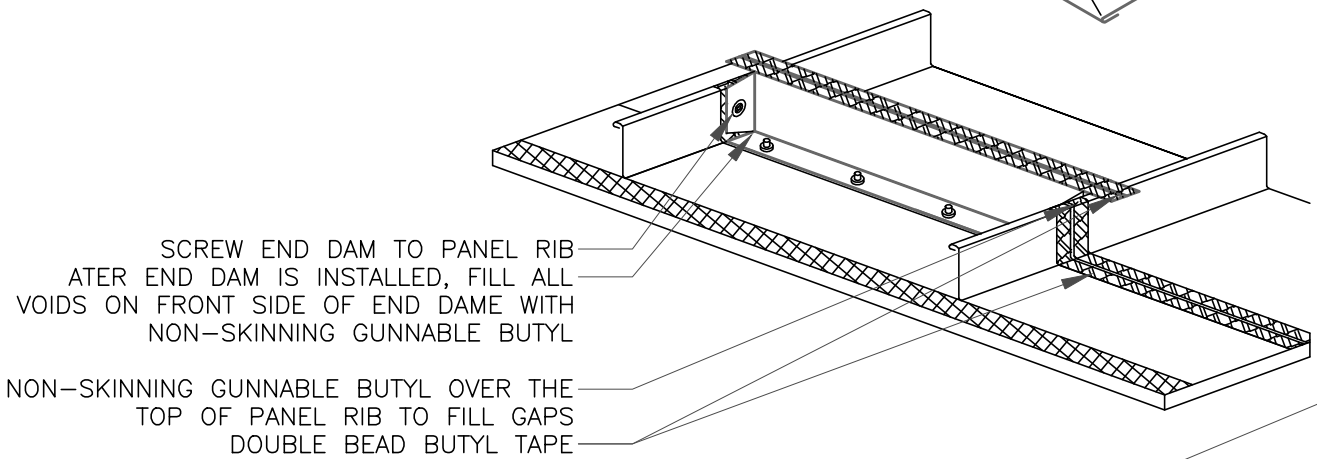


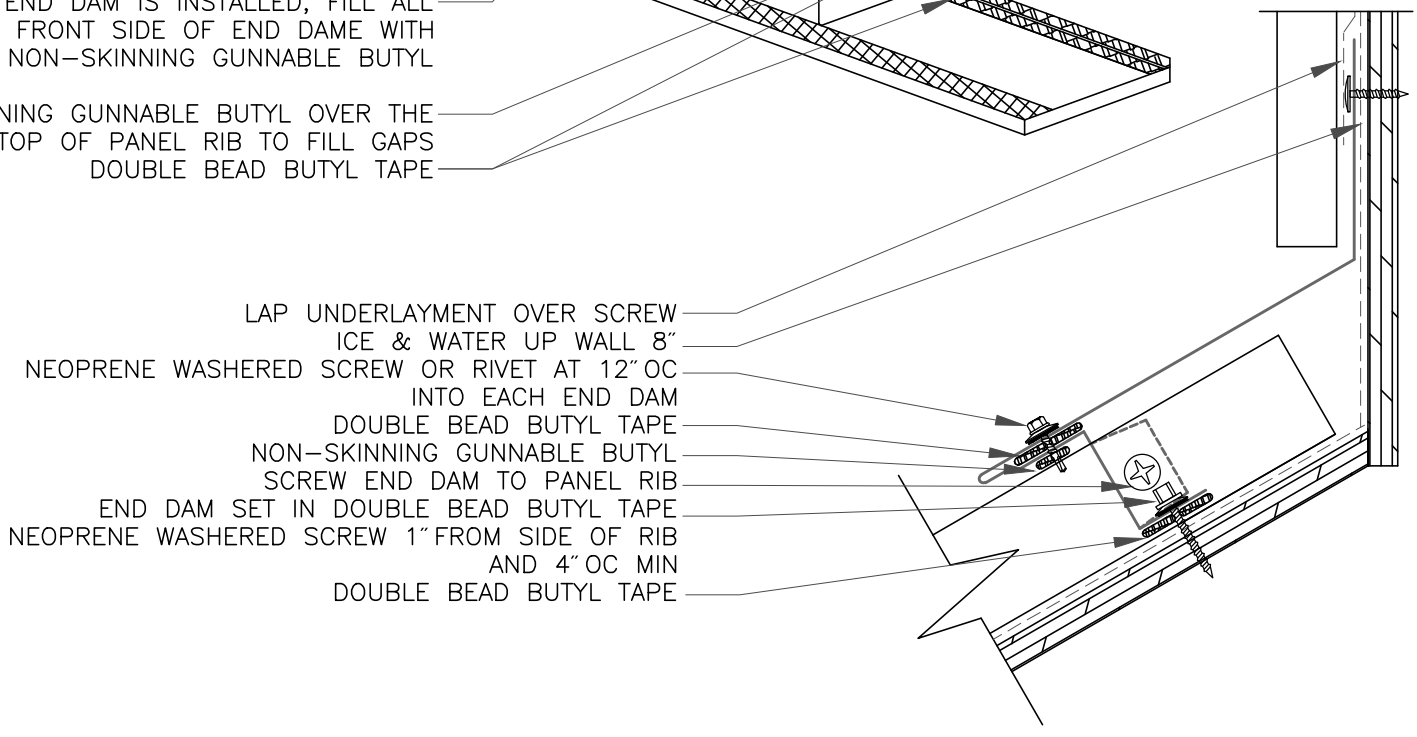
PITCH CHANGE



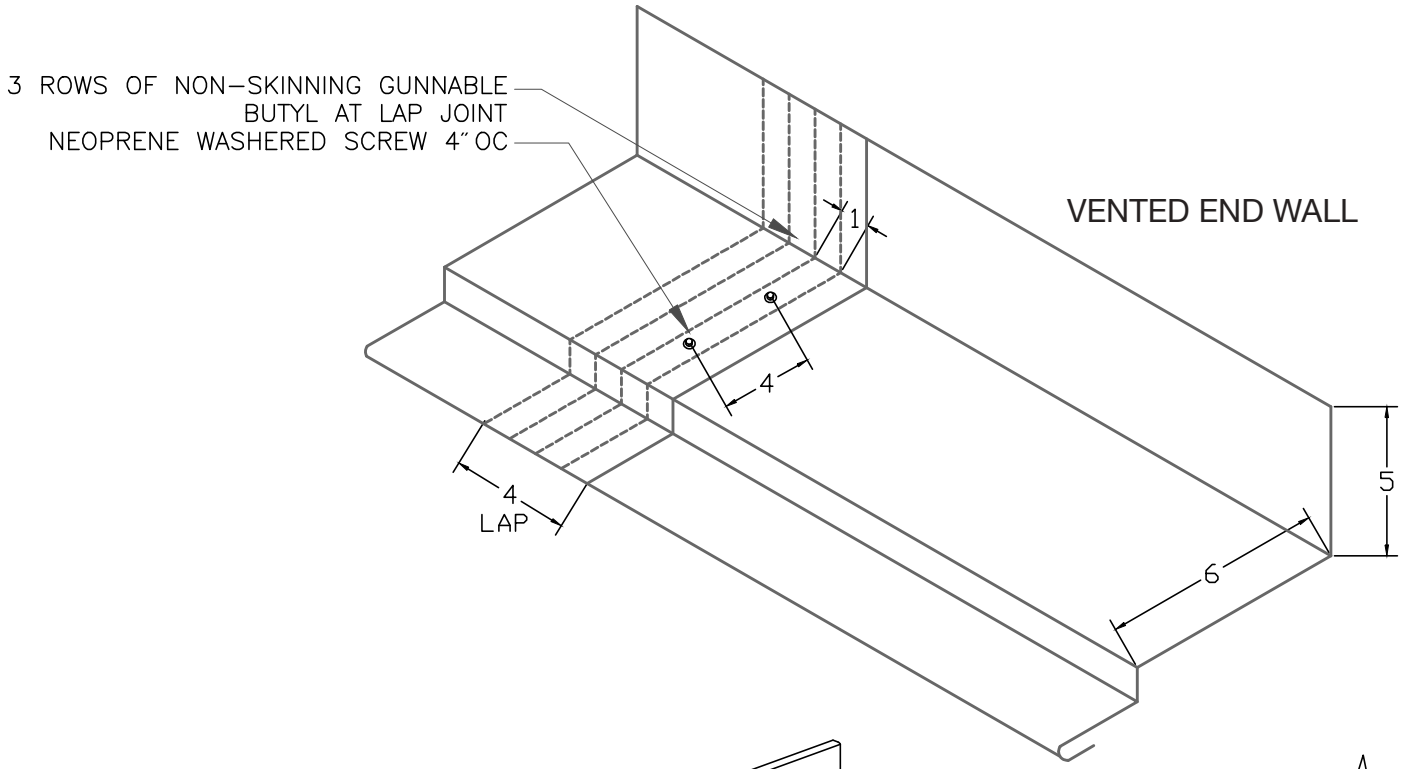
END WALL

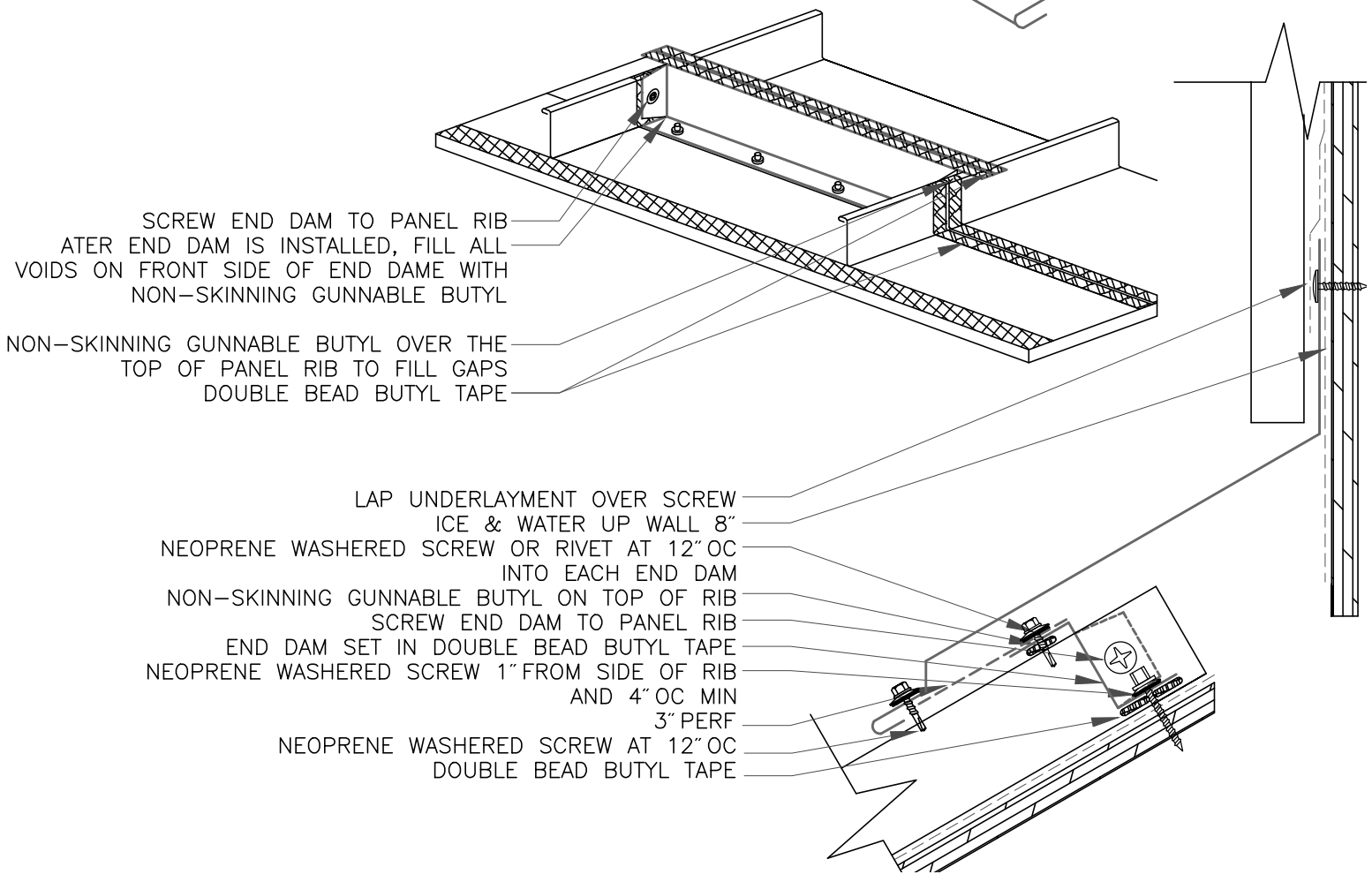

3 ROWS OF NON–SKINNING GUNNABLE BUTYL AT LAP JOINT
NEOPRENE WASHERED SCREW 4″ OC
1
END WALL
4
4
LAP
5
6


SCREW END DAM TO PANEL RIB
ATER END DAM IS INSTALLED, FILL ALL VOIDS ON FRONT SIDE OF END DAME WITH NON–SKINNING GUNNABLE BUTYL
NON–SKINNING GUNNABLE BUTYL OVER THE TOP OF PANEL RIB TO FILL GAPS
DOUBLE BEAD BUTYL TAPE


LAP UNDERLAYMENT OVER SCREW
ICE & WATER UP WALL 8″
NEOPRENE WASHERED SCREW OR RIVET AT 12″ OC INTO EACH END DAM
DOUBLE BEAD BUTYL TAPE
NON–SKINNING GUNNABLE BUTYL
SCREW END DAM TO PANEL RIB
END DAM SET IN DOUBLE BEAD BUTYL TAPE
NEOPRENE WASHERED SCREW 1″ FROM SIDE OF RIB AND 4″ OC MIN
DOUBLE BEAD BUTYL TAPE

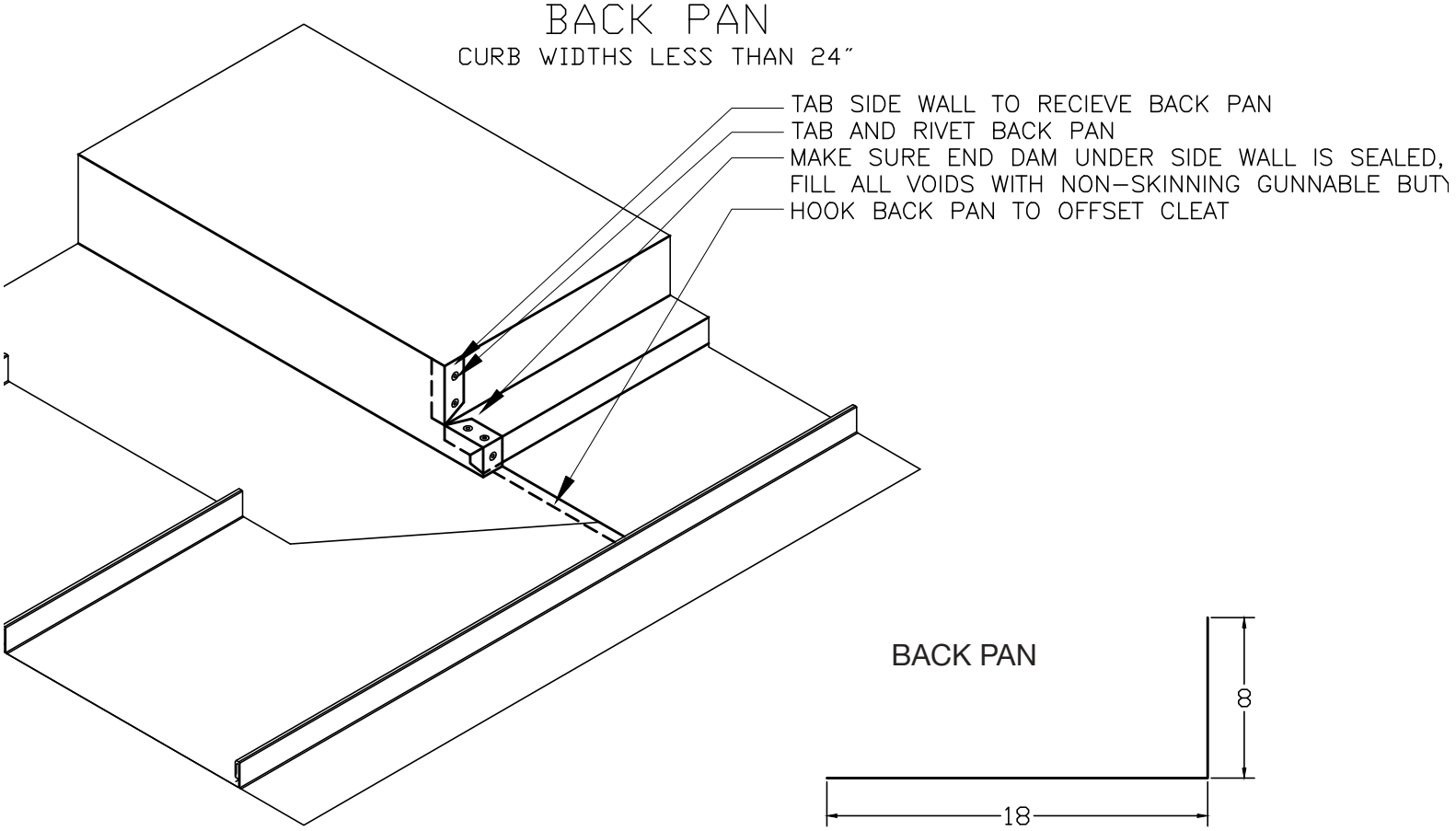
VENTED END WALL



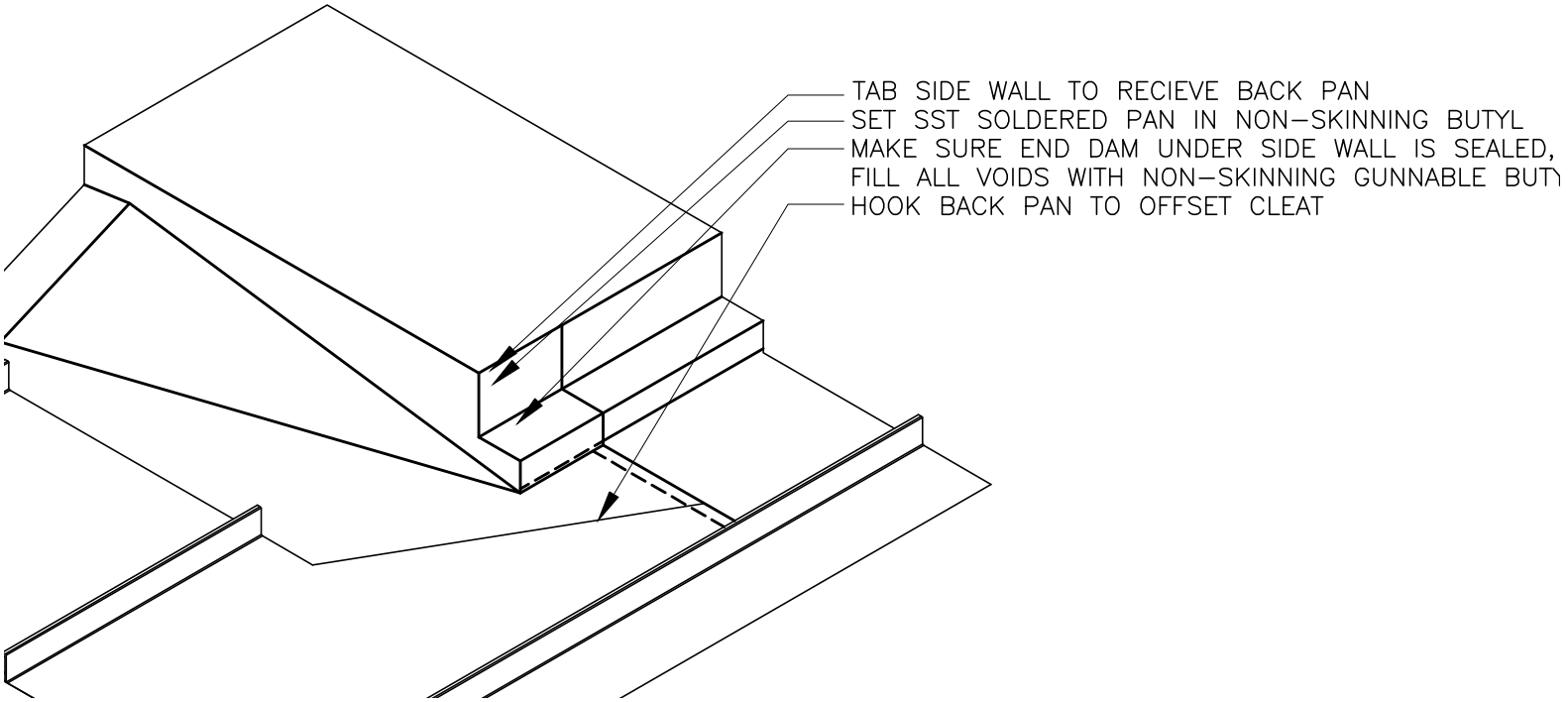


BACK PAN

BACK PAN
CURB WIDTHS LESS THAN 24"

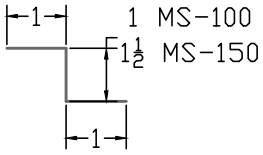


SOLDERED BACK PAN
CURB GREATER THAN 24"

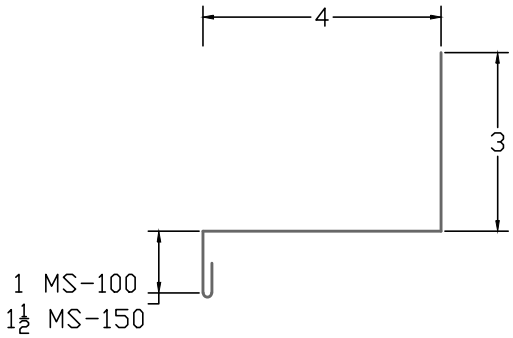


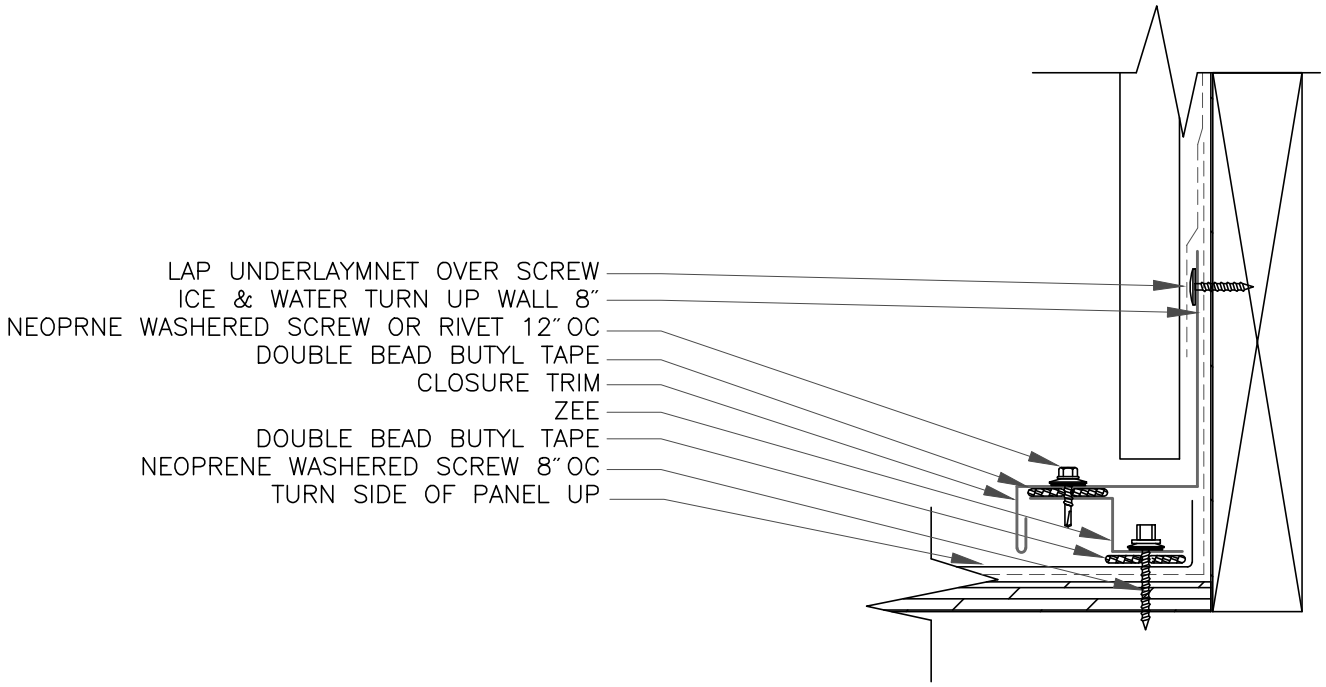
CURB SIDE WALL

CLOSURE ZEE

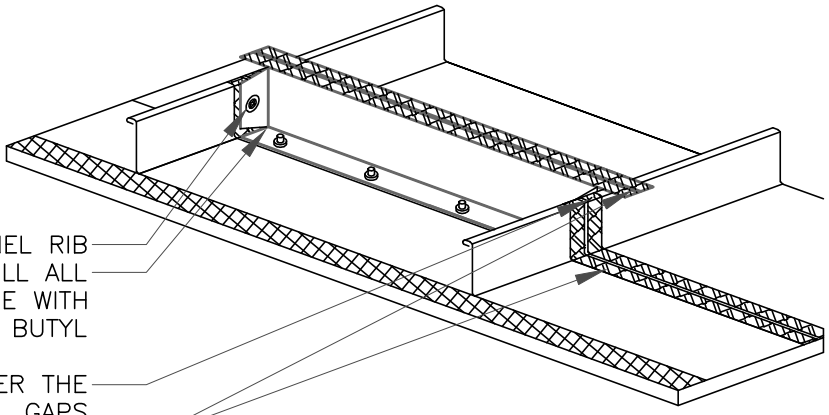


CURB SIDE WALL



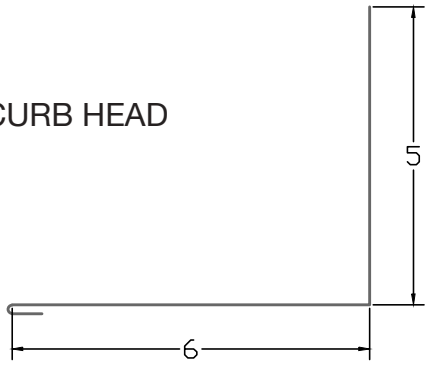


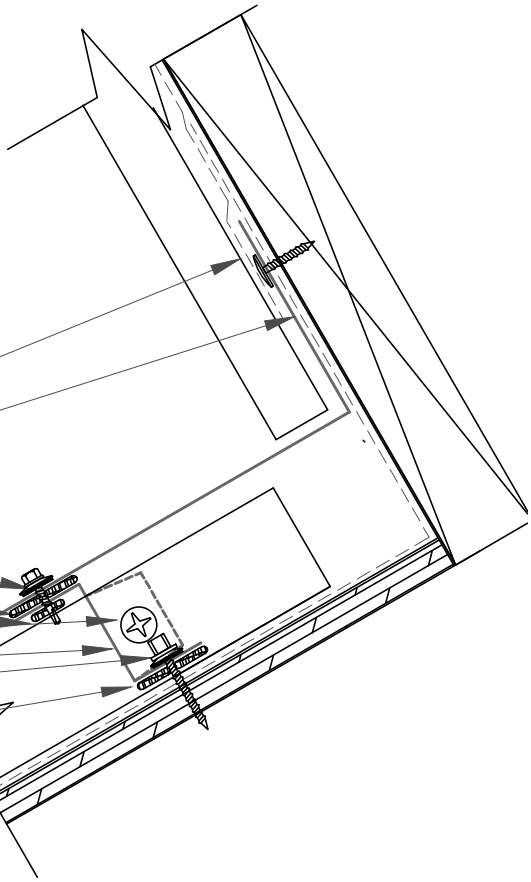
CURB HEAD



SCREW END DAM TO PANEL RIB
ATER END DAM IS INSTALLED, FILL ALL
VOIDS ON FRONT SIDE OF END DAME WITH
NON–SKINNING GUNNABLE BUTYL

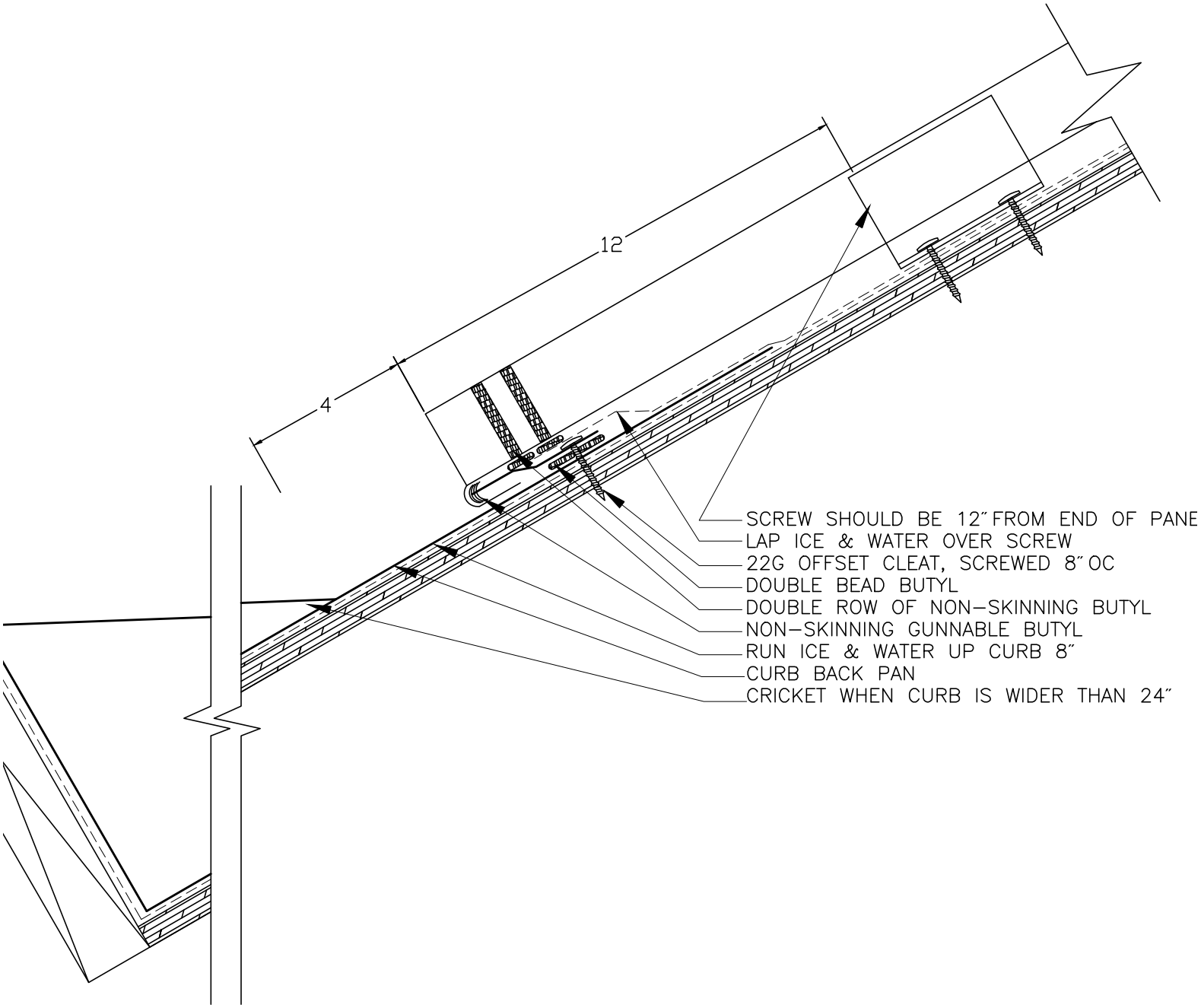
NON–SKINNING GUNNABLE BUTYL OVER THE
TOP OF PANEL RIB TO FILL GAPS
DOUBLE BEAD BUTYL TAPE



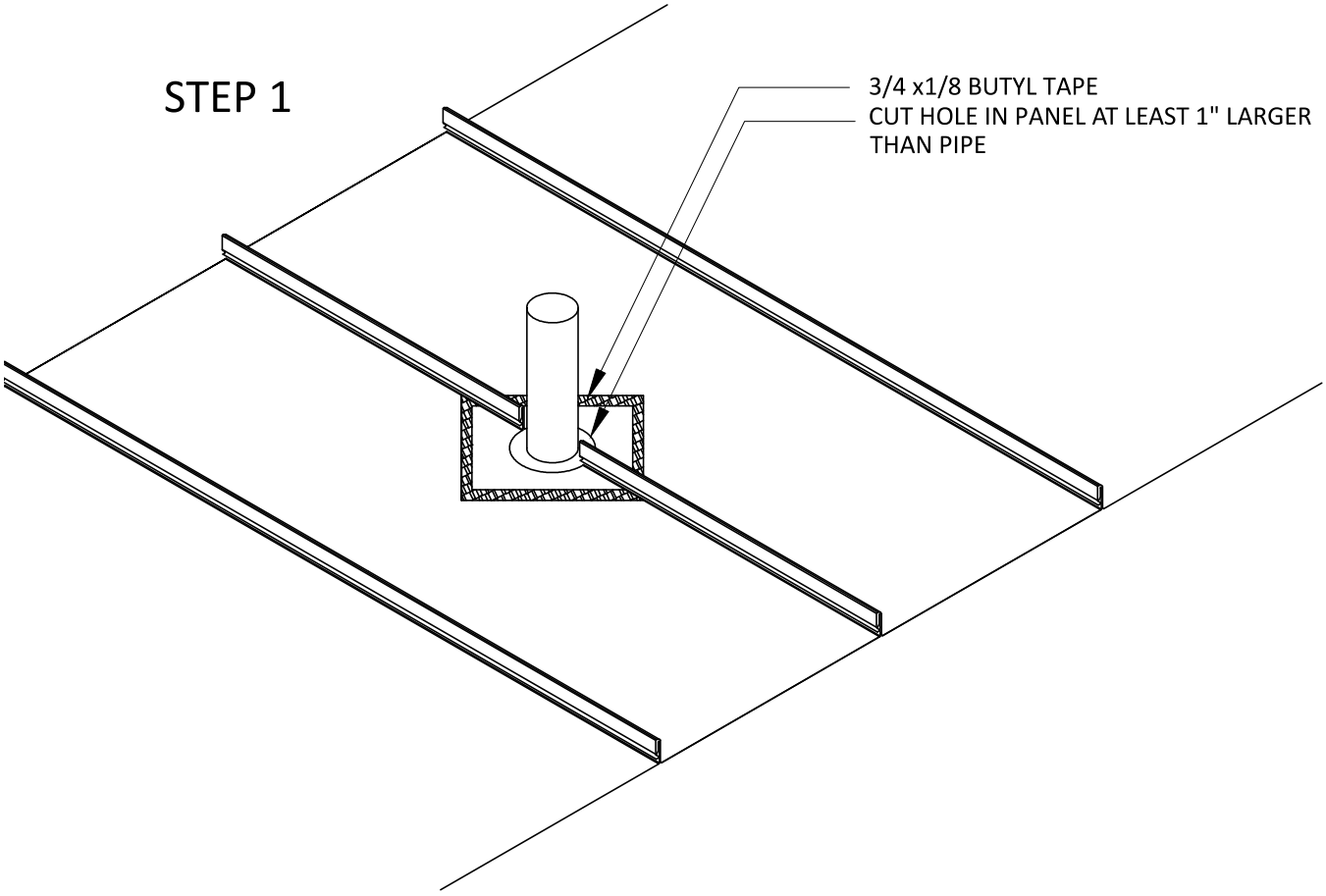


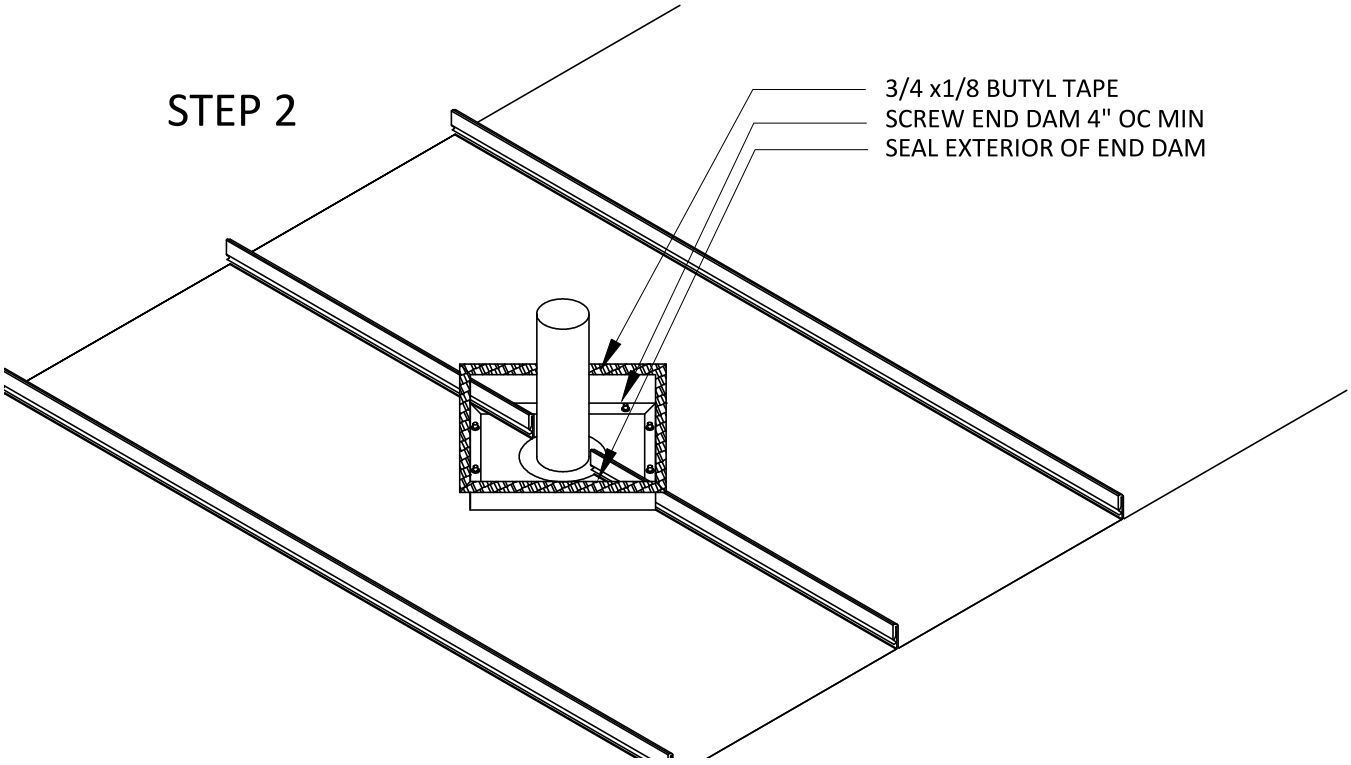
LAP UNDERLAYMENT OVER SCREW
ICE & WATER UP WALL 8″
NEOPRENE WASHERED SCREW OR RIVET AT 12″ OC
INTO EACH END DAM
DOUBLE BEAD BUTYL TAPE
NON–SKINNING GUNNABLE BUTYL
SCREW END DAM TO PANEL RIB
END DAM SET IN DOUBLE BEAD BUTYL TAPE
NEOPRENE WASHERED SCREW 1″ FROM SIDE OF RIB
AND 4″ OC MIN
DOUBLE BEAD BUTYL TAPE

CURB BACK PAN



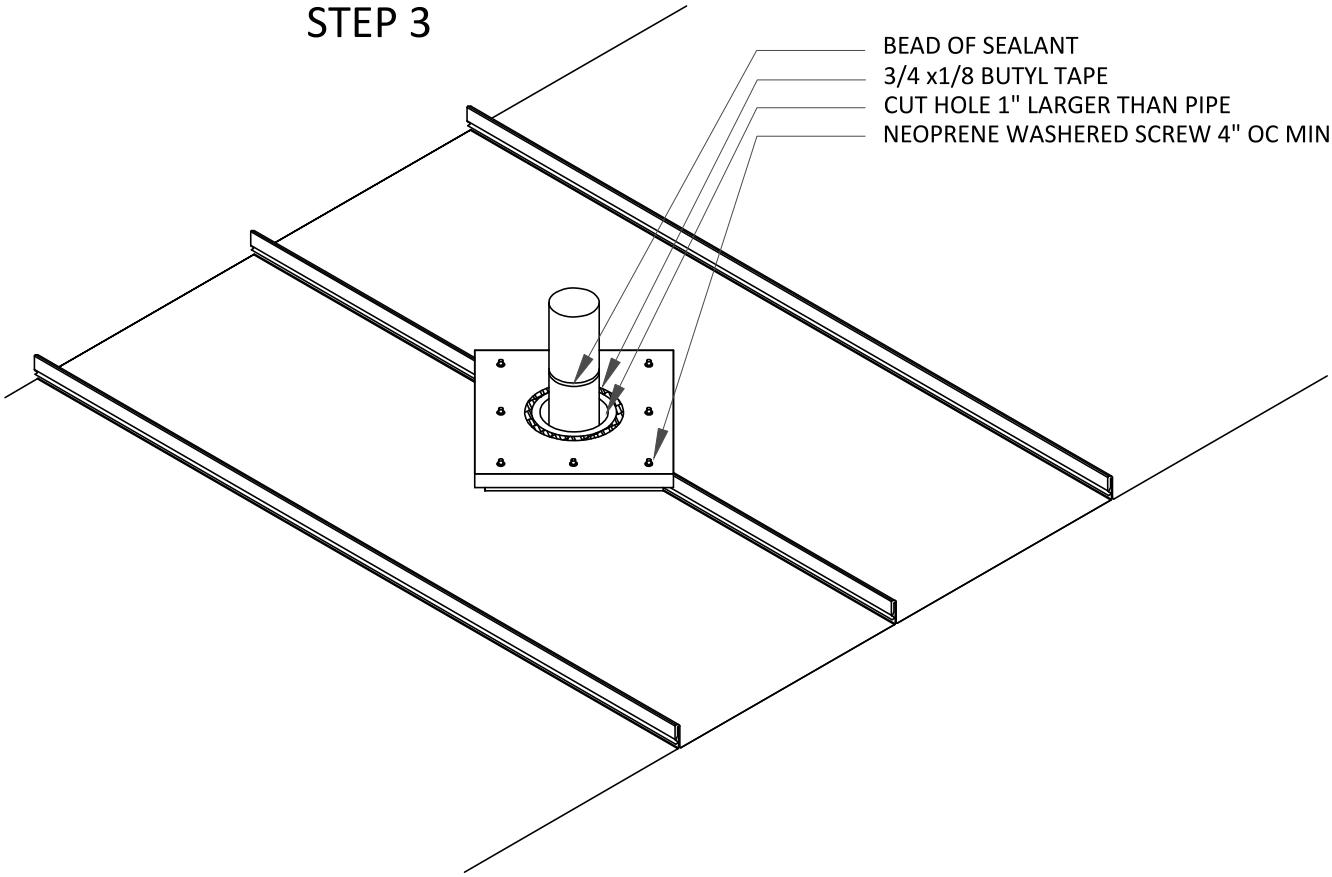
PIPE PENETRATION



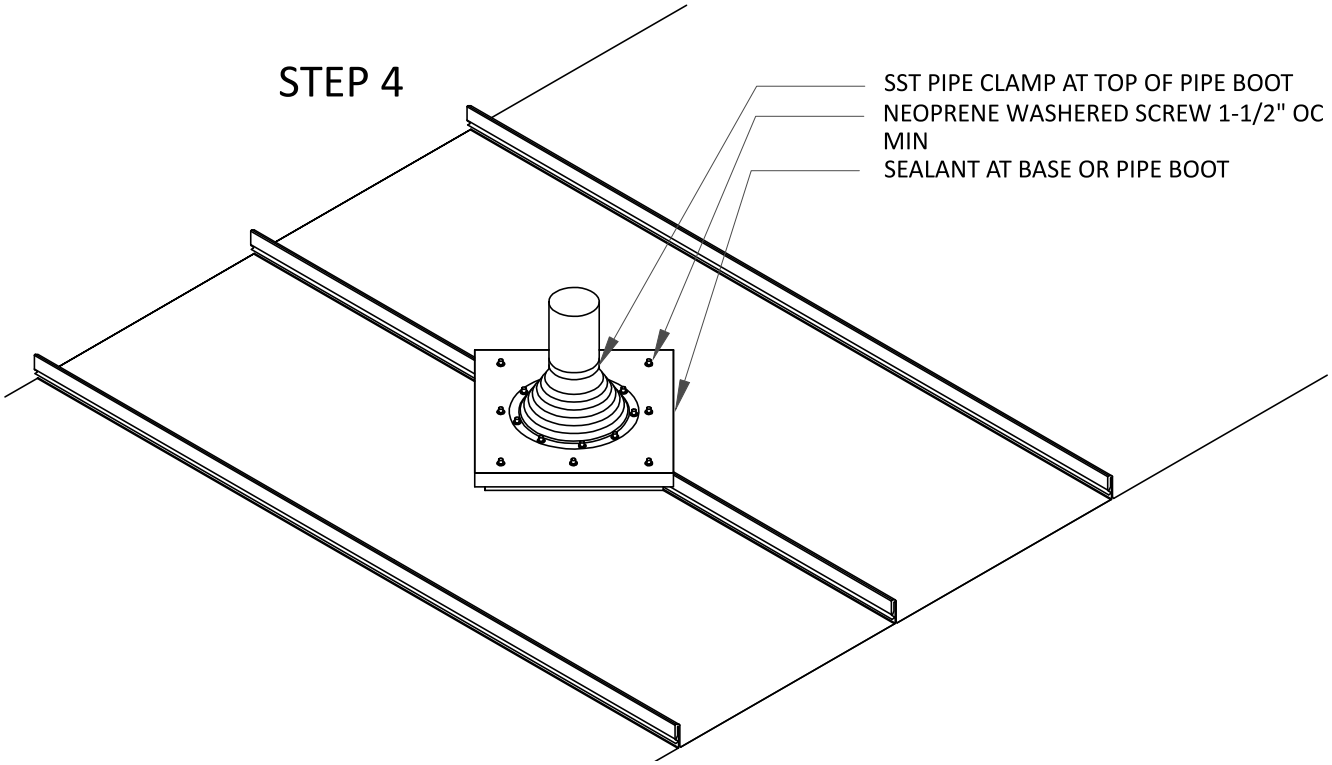


PIPE PENETRATION

STEP 3

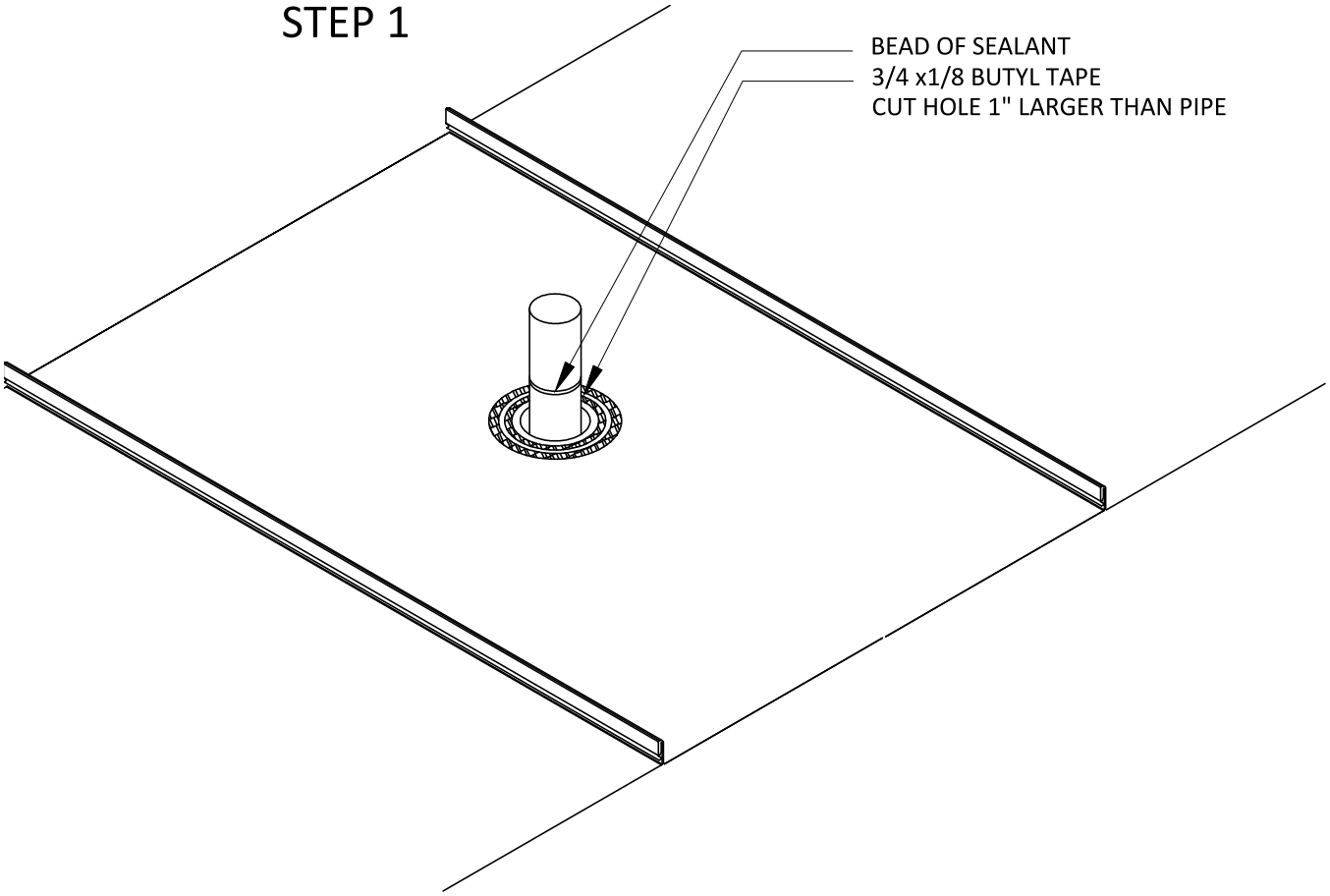


STEP 4

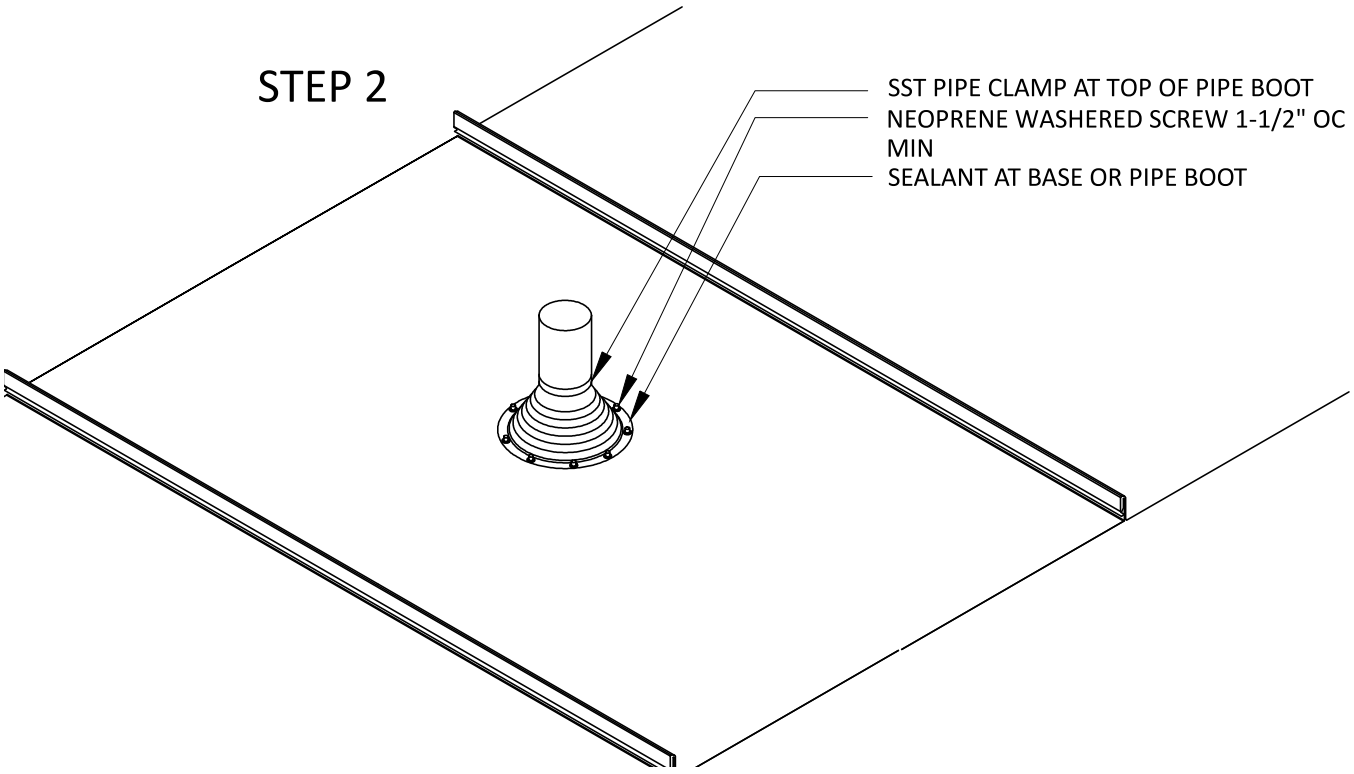


PIPE PENETRATION

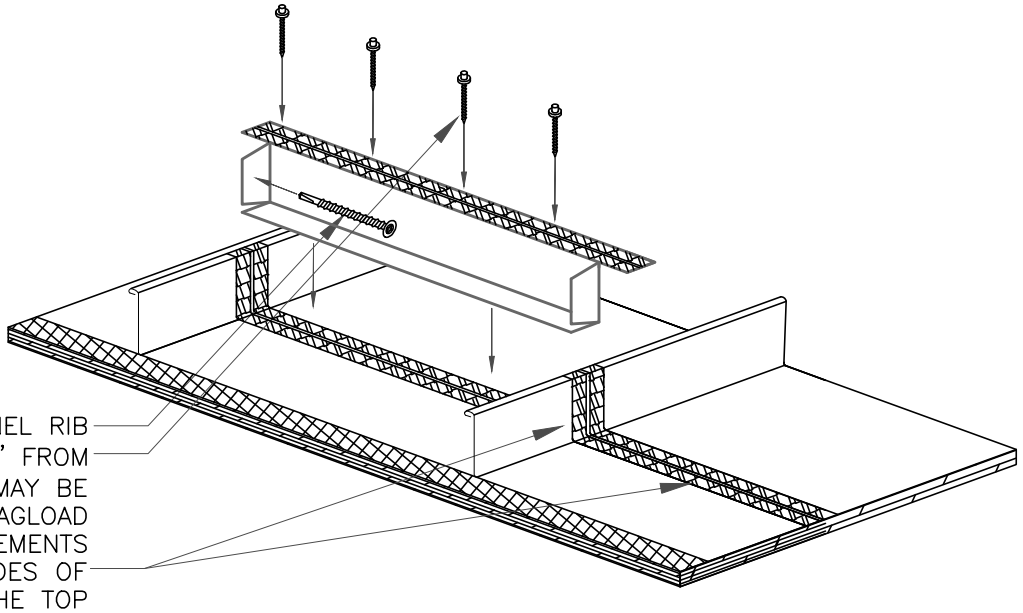
STEP 1



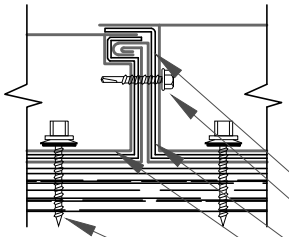
STEP 2



END DAM



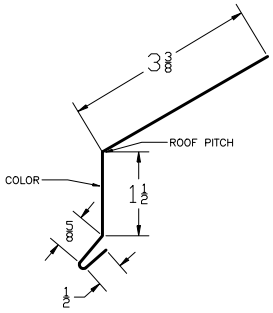
SCREW END DAM TO PANEL RIB
NEOPRENE WASHERED SCREW 1" FROM RIB AND 4" OC. MORE MAY BE REQUIRED DEPENDINg ON DRAGLOAD REQUIREMENTS
DOUBLE BEAD BUTYL TAPE, UP SIDES OF RIB AND OVER THE TOP



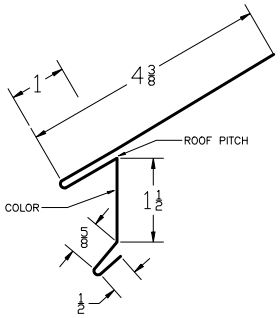
DOUBLE BEAD BUTYL TAPE
SCREW END DAM TO PANEL RIB
NON–SKINNING GUNNABLE BUTLE TO FILL ALL GAPS
END DAM SET IN DOUBLE BEAD BUTYL TAPE
NEOPRENE WASHERED DRAG LOAD 1" FROM SIDE OF RIB AND 4" OC MIN, DRAG LOAD CALCS MAY REQUIRE MORE

MS Series flashing are 10' Long

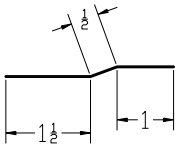
EAVE STANDARD



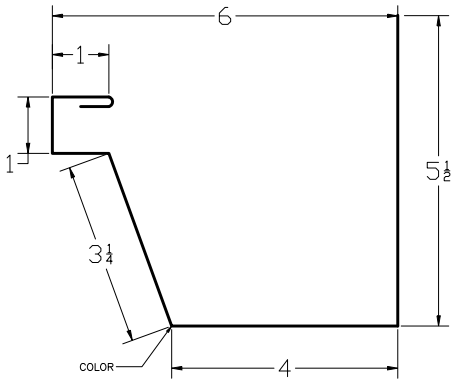
EAVE HOOK



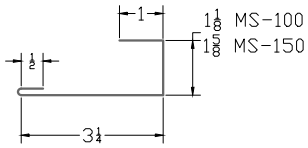
OFFSET CLEAT



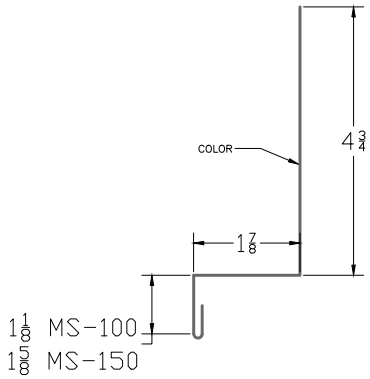
BOX GUTTER



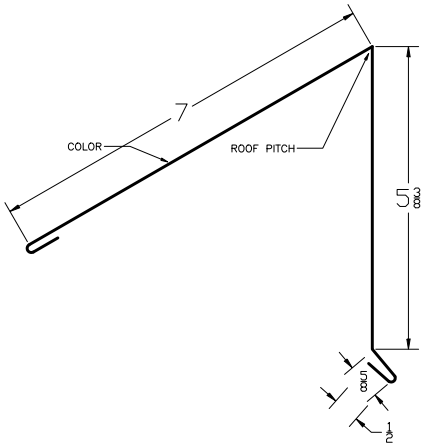
SUPPORT FLASHING



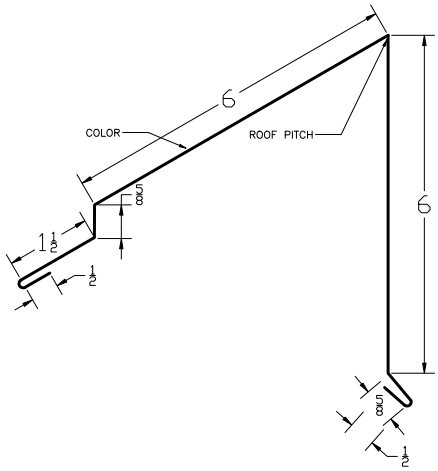
SIDE WALL



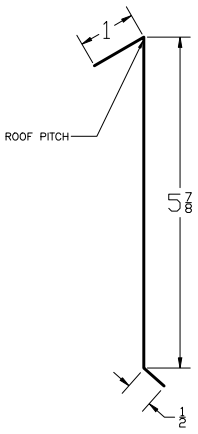
RIDGE END CAP



VENTED RIDGE END

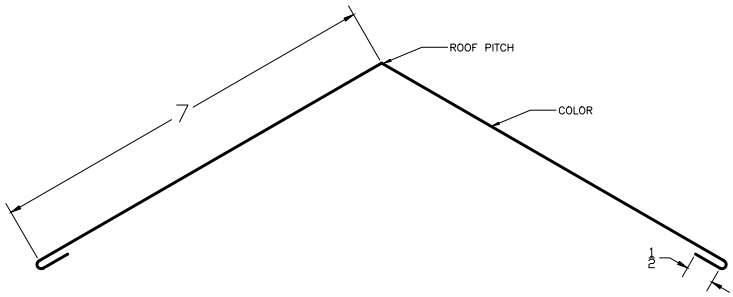


SUPPORT CLEAT

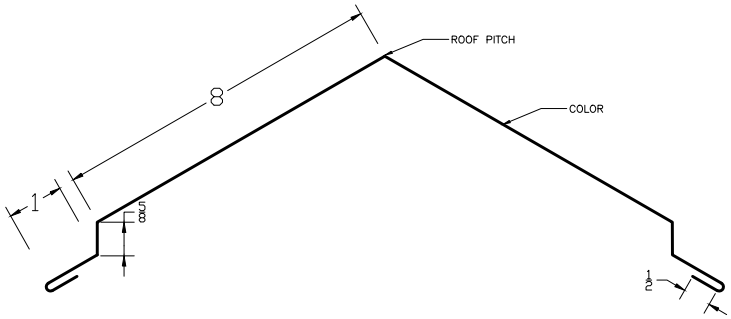


MS Series flashing are 10' Long

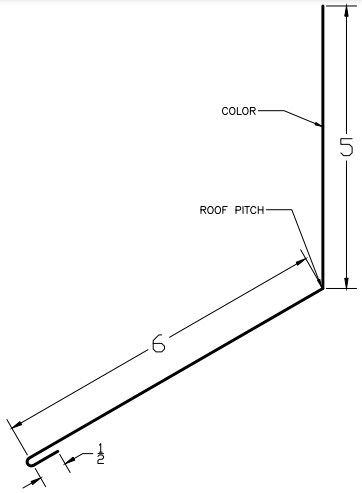
RIDGE



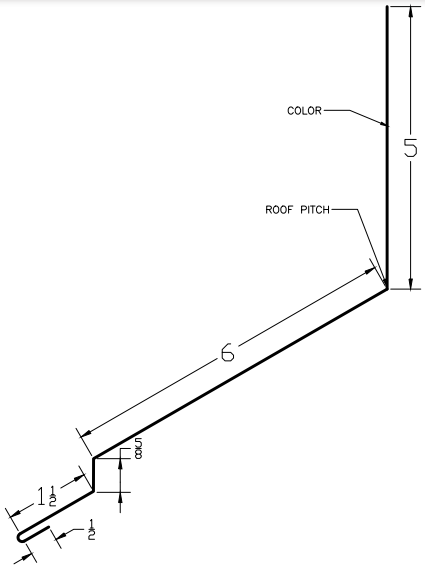
VENTED RIDGE



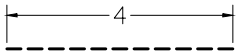
ENDWALL



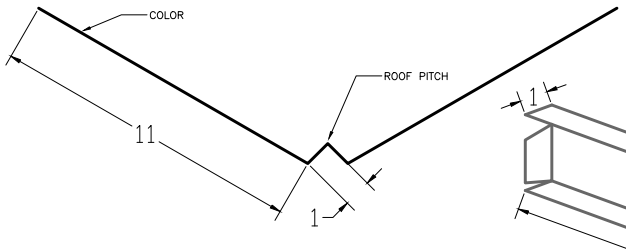
VENTED ENDWALL



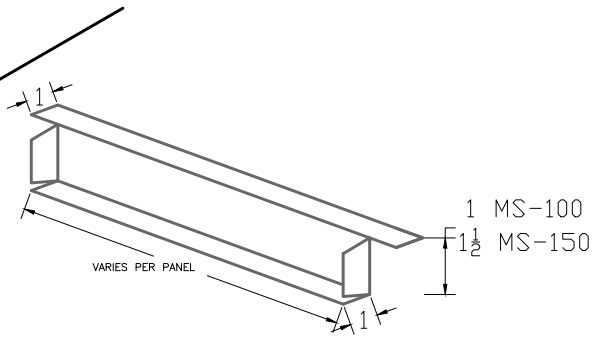
PERF



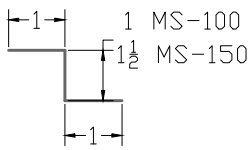
VALLEY FLASHING



END DAM

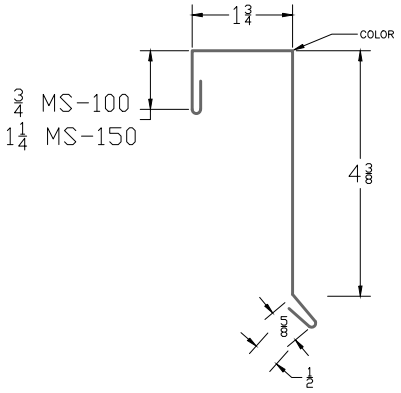


ZEE CLOSURE

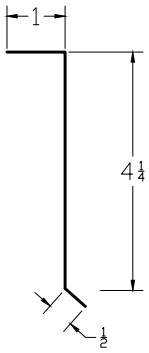


MS-Series flashing are 10' Long

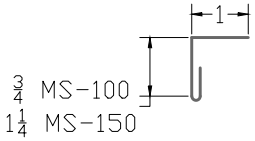
STANDARD GABLE



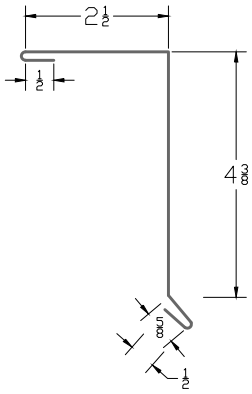
GABLE SUPPORT



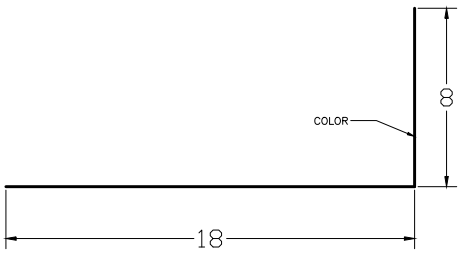
GABLE ALTERNATE L



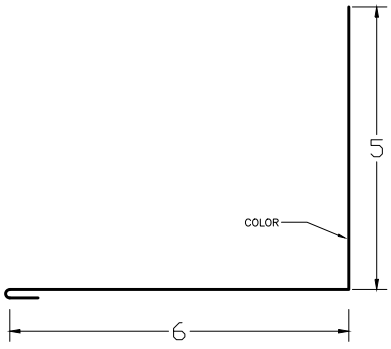
GABLE ALTERNATE



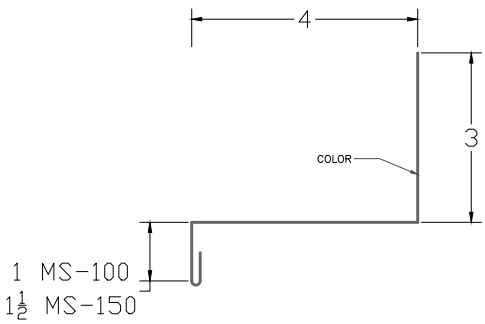
BACK PAN



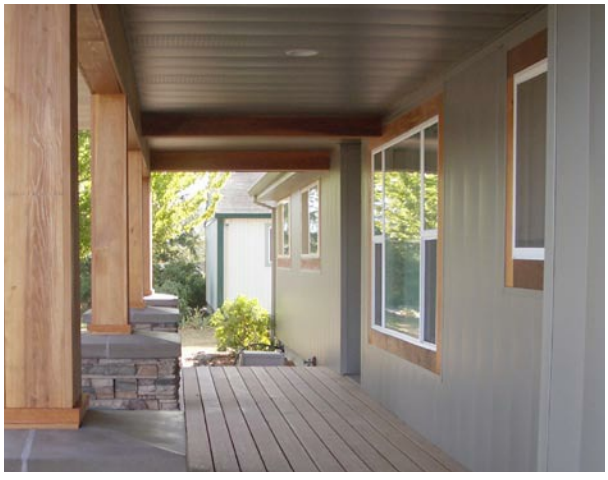
CURB HEAD



CURB SIDE WALL



SmoothWall™ PANEL



INSTALLATION INSTRUCTIONS

TAYLOR METAL PRODUCTS

4566 Ridge DR NE, Salem, OR 97301
503-581-8338 or 1-800-574-1388
www.taylormetal.com

Rev.

TAYLOR METAL PRODUCTS

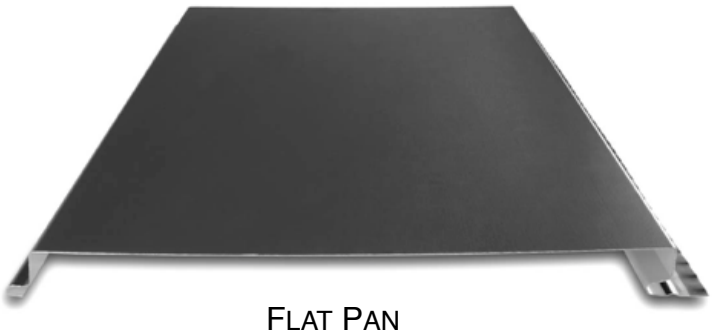
SmoothWall™

Wall & Soffit

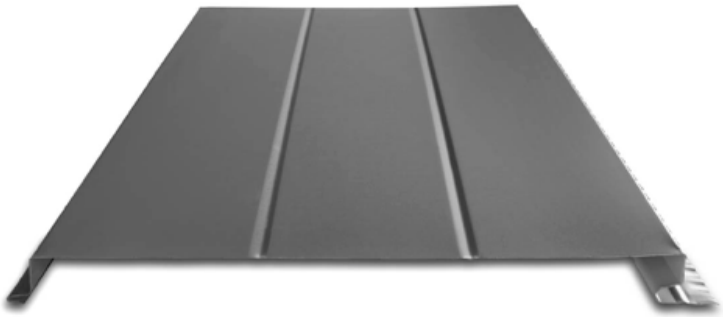
SmoothWall™ will give your commercial or residential project a clean monolithic appearance. These panels are a perfect fit to be used on walls, soffits and fascia. With the 4 different panel styles available, your designs will come alive.

Key Features

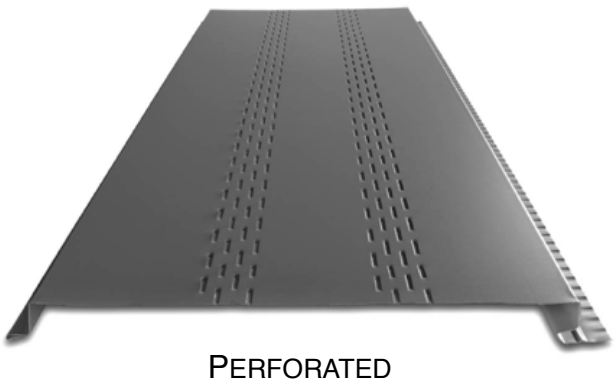
- 12˝ and 12⅝˝ coverage options
- 26, 24 & 22 gauge Tru-Gauge™, .032 Aluminum and 24 gauge Bonderized (G-90)
- 16 & 20 oz. Copper *please inqurie*
- Custom lengths 2' to 35' (*inquire on longer lengths)*
- Concealed fasteners: fasteners cannot leak
- 17 sq inch free air flow per lineal foot of perforated panel
- Pre-slotted fastener flange: allows expansion/contraction of panel
- ASTM E283, ASTM E330, ASTM E331
- UL Class A fire rated
- Versatile in wall and soffit applications
- Pan options: Flat pan, Single Bead, Double Bead and Perforated
- "Oil canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection



FLAT PAN



DOUBLE BEAD or SINGLE BEAD available



PERFORATED

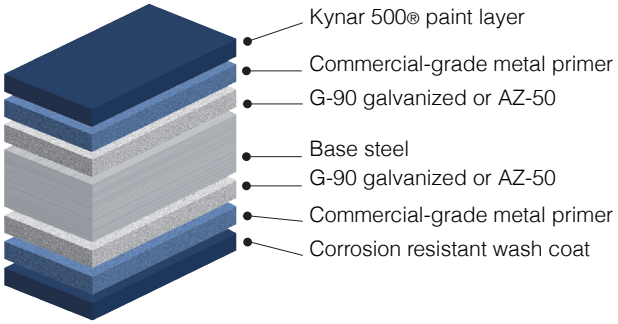
TAYLOR METAL PRODUCTS

Material Specifications

- 26 gauge Kynar 500® Painted Steel
  .019" (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 22 & 24 gauge Kynar 500® Painted Steel
  .0236˝(thickness prior to painting)
  G-90 Galvanized or AZ-50
- 22 & 24 gauge bare Zincalume® Plus with Clear Acrylic Coating
- ▲22 gauge Kynar 500® Painted Steel
  .029˝(thickness prior to painting)
  G-90 Galvanized or AZ-50
- .032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized (G-90)
- 16 and 20 oz. Copper
- 22 gauge Rusteel™ (cold-rolled)
- 22 gauge Rusteel Plus™ (A-606)
- Kynar® and substrate testing data available
  (See website)

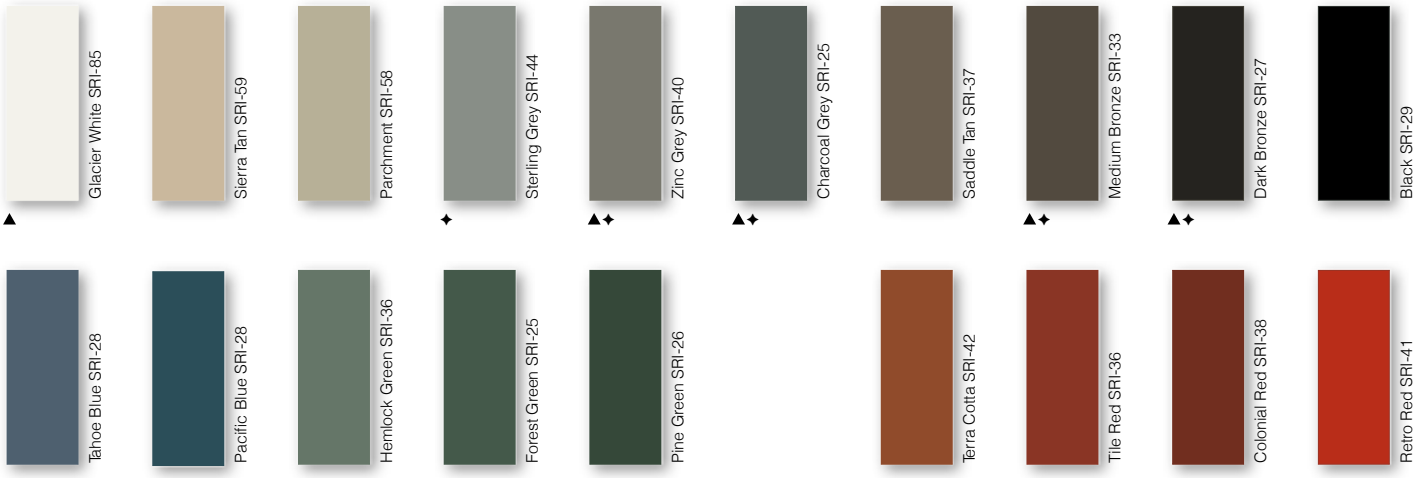
Key Features

- 19 Standard Color, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)



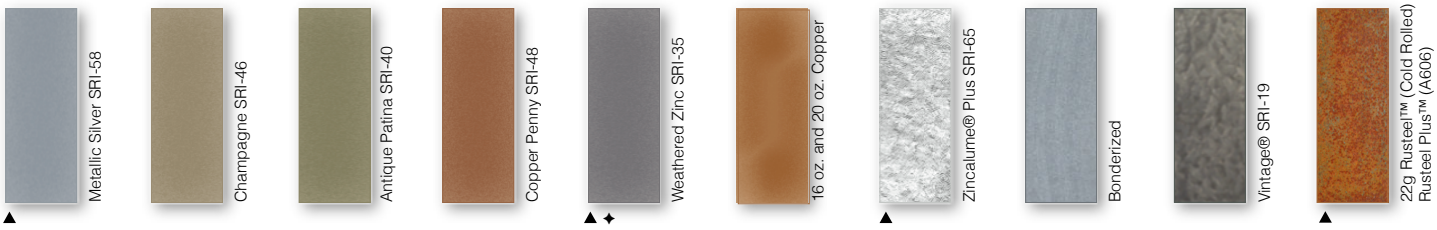
40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

STANDARD 24g COOL KYNAR 500® COLORS



PREMIUM METALLIC COOL KYNAR 500® 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.
"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and it not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

Standard Panels Weights			
Gauge	Color	LBS SQFT	LBS LF
26	Kynar	1.09	1.09
24	Kynar	1.28	1.28
22	▲	1.61	1.61
.032 Alum	✦	.60	.60

steelscape

8-16

Table of Contents

Introduction 1
Delivery and Will Call 2
Handling and Storage 3
Tools 4
Fasteners 5
Smooth Wall Installation 6

FLASHINGS

CF C-Flashing 7
DF Drip/Sill Flashing 8
CO Outside Corner 9
CI Inside Corner 10
ZF Z-Flashing 11

Taylor Metal Products, Inc. SmoothWall™ panels are designed for use on residential and commercial structures.

The SmoothWall™ panels can be used on vertical wall or mansard applications to provide an appealing, long lasting alternative to common siding products or as an accent area to add color or texture to any building.

SmoothWall™ panels are also available with a polystyrene backer. The primary function of the backer is to provide support for the panel to minimize denting and buckling due to impact. When using the polystryrene backer it is advisable to use solid sheathing or space sheathing set 4 to 6 inches apart to gain the greatest benefit of the polystyrene. The entire panel is not filled with polystryrene. There is a 5/8" gap on each panel that is not filled with polystyrene, therefore it is not intended to provide insulation or be used for sound absorption, although some insulation value and sound absorption can be gained from the polystyrene.

These installation instructions are intended to offer suggested application procedures for common building construction. No attempt is made to provide installation details for every application or possible use.

Please contact Taylor Metal Products for use of custom flashing details as they pertain to specific conditions or to discuss a specific project.

Conformity to local building codes, details for specific applications, and use of safety and health procedures are the sole responsibility of the installer.

Taylor Metal Products, Inc. assumes no liability for the improper installation of the SmoothWall™ panel nor for any personal injury or property damage that may occur with the product's use.

Oil Canning – All light gauge metals can display waviness often referred to as "oil canning." This is caused by steel mill tolerances, substrate variation and relative reflectivity. "Oil canning" is an inherent characteristic of steel products, not a defect, and is not a cause for material rejection.

Delivery and Will Call

Delivery Policy

Taylor Metal Products, Inc. delivers using diesel trucks with 5th wheel, low-boy flat bed trailers. Overall combined length can be as long as 65 feet. Our fleet includes trucks, with and without knuckle cranes, and a variety of trailer sizes to assist in deliveries. We will make every effort to accommodate requests for a specific delivery mechanism but we cannot guarantee availability of specific resources.

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.
- Any balance owing on C.O.D invoices.
- Providing adequate resources (1-4 people as needed) for off-loading materials.
- $35 per half hour charge if delivery takes longer than one-hour.

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 failure, road closures, etc. which may affect our schedule.

Will Call and Loading Policies

Flat bed 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.

> Examples are: 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.) We do offer a delivery service at reasonable rates to accommodate the customer who needs the materials delivered to an accessible job-site.

Please see our delivery pricing pages for more information.

SmoothWall™ panels are available in lengths between 2 feet and 25 feet in 1/4 inch increments. For best results, TMP recommends panel lengths of 12' or less. For taller wall heights, use a Z-flashing (ZF - page 11) to break up the distance into two panels.

Panels shorter than 2 feet are available, however, they are subject to a per panel handling charge. Please see current price list.

SmoothWall panels are smooth faced and available with an optional center v-groove (6" reveal) or two v-grooves (4" reveal).

Handling and Storage

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 TMP within 48 hours of delivery.

Handle materials with care when off loading or moving 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 TMP 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 bundles to allow drainage of wet materials.

Take care when painting to avoid getting over-spray on the material. Remember that wind can carry paint particles some distance. Over-spray can cause the finish 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 or dislodging. Wind may cause damage to the material, property or persons.

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

Tools

The following tools may be used for proper installation.

- Screw Gun: Clutch type, variable torque, cordless screw guns will give the best results.
  - Extra batteries
  - Bit holder - magnetic
  - #2 square drive bits or phillips drive bits (for panel screws)
  - 1/4" Hex head - magnetic - bit driver (for woodfast flashing screws)
  - 1/8" drill bit (for rivets & pre-drilling fastener holes)
  - Belt & holster (keeps all the above tools safely on your hip)

- Cutting Tools:
  - Cutters/Offset (curved jaw) left & right (for precision cutting, long cuts)
  - Snips (straight jaw) left & right (for short cuts & circular cuts)
  - Hack Saw - 32 TPI Blade
  - Circular & Sabre saws (with metal cutting blades speeds up panel cutting but leaves very rough edges and burrs paint)
  - CAUTION: POWER SAWS MAY CAUSE PANEL DAMAGE!
  - Electric Shears (aids in long panel rips)
  - DeBurring Tool

  WARNING - Filings, debris and chips must be wiped off panels, otherwise rust will develop!

- Hole Punch (for pre-punching holes in metal)

- Rubber Mallet - Soft Type (for adjusting panels & flashings)

- Quick Square, Framing Square & Bevel Square (aids in squaring flashings & panels)

- Duck Bill Vise Grips/Pliers (for various bending)

- Tape Measures - 16' for most work - larger sizes for larger surface & panel measurements

- Rivet Tool (for riveting flashings)

- Marking pen or pencil

- Chalk Line (for marking long panel rips and to align panels)

- Protective gloves to protect hands

- Cotton gloves for working with copper (to protect against fingerprints on finish)

TMP recommends the following fasteners for 26ga and 24ga galvanized steel Smooth Wall™ panels. Waferhead screws are used to attach flashings and panels to the structure.

Recommended Fastener Spacing:

- 24 inches for flashing attachment
- 24 inches maximum spacing for Smooth Wall™ panel application

Waferhead, Sharp point

Sizes:

#9-16 x 1"	#2 Phillips Drive (also available in #2 Square drive)
#9-16 x 1-1/2"	#2 Phillips Drive

Waferhead screws are recommended for attaching the panels to a wood deck or substrate. They are concealed fasteners and made of carbon steel coated with Zinc and an Oxyseal/Xylon Coating for long life.

Lathhead Screws, Sharp Point

Size: #6 x 9/16"

Lathhead screws are used to attach the panels to the wood deck. While generally not recommended for most applications, this concealed fastener is useful for areas where a longer fastener will penetrate the substrate and exhibit an objectionable appearance, such as exposed overhangs. The pull out rating for this fastener is less than the waferhead, so these fasteners need to be placed more often.

Woodfast, Sharp Point

Sizes:

#9-16 x l"	1/4" Hex Drive- Color Match
#9-16 X 1-1/2"	1/4" Hex Drive- Color Match

Woodfast screws are recommended for attaching metal to wood in some cases metal to metal. They are exposed fasteners made of carbon steel, coated with Zinc and an Oxyseal/Xylon Coating for long life.

Stitch Screw, Sharp Point

Size #12 x ¾" ¼" Hex Drive-Color Match

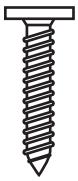
Stitch screws are used to attach metal to metal such as lap joints in flashing. They can be used interchangeably with rivets. They are exposed fasteners.

Rivets

Size: #42 or #44 (1/8" x 1/8") Stainless Steel rivet-color matched

Rivets are used to attach metal to metal such as lap joints in flashing.

TMP recommends the following fasteners for use with COPPER:

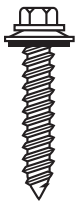


Pancake Head, Sharp Point

(Silicon Bronze)

Size: #10 x l" #2 Phillips Head-natural finish

The Silicon Bronze fasteners are used with copper roofing panels to prevent reactions between unlike metals. The pancake head is used for panel attachment, and is a concealed fastener.



Woodfast, Sharp Point

(Silicon Bronze)

Size: #10 x l" 1/4" Hex head -Natural finish

The Silicon Bronze fasteners are used for metal to wood applications, typically for the attachment of flashings. They are exposed fasteners.

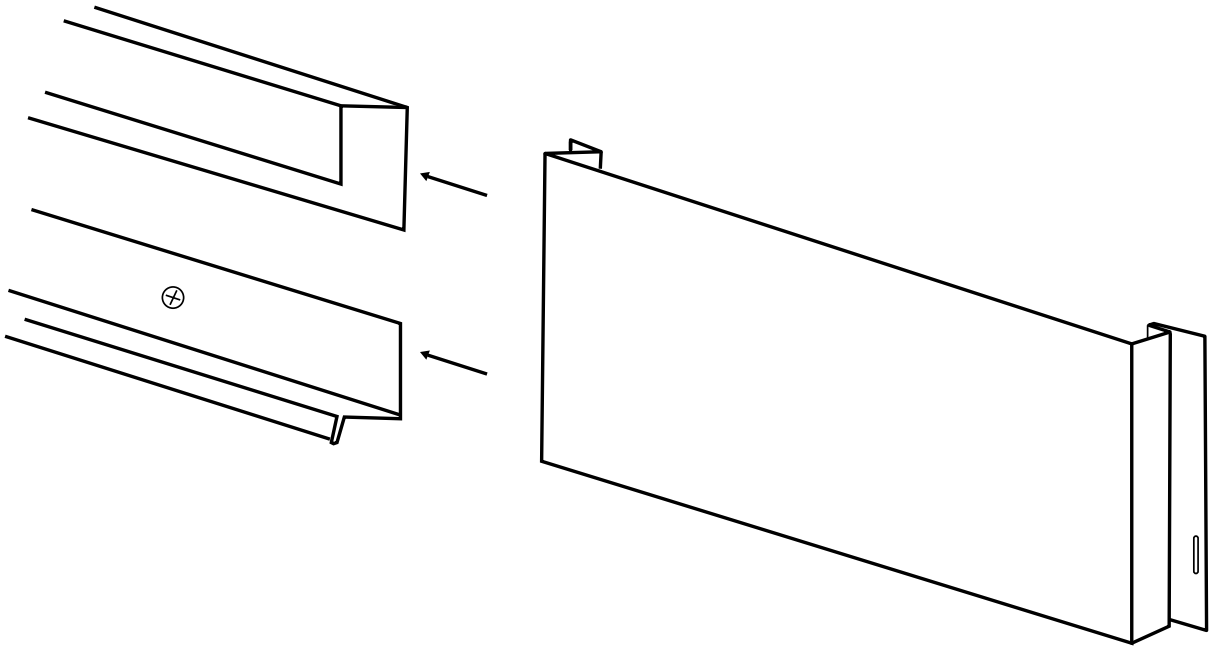
Rivets

(copper rivet/brass mandrel)

Size: #42 or #44 1/8" x 1/8"

Rivets are used to join metal to metal such as lap joints in flashings.

SmoothWall™ Panel Installation

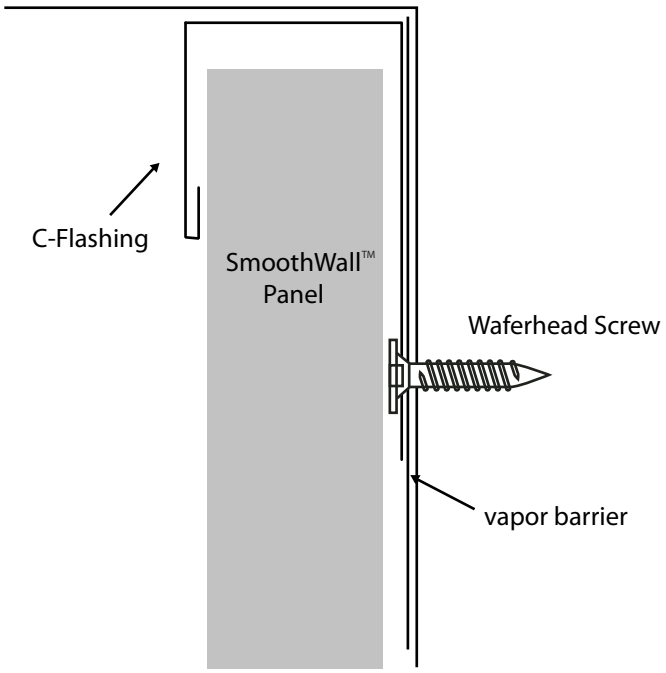


SmoothWall™ panels are attached to the wall by fastening the wide flange of the panel to the substructure and can be attached to solid or space sheathing, with the space sheathing at no greater than 2' on center. A vapor barrier, such as 30lb felt paper, should be used over the sheathing. Fasten the panels to the sheathing through the wide flange every two feet (maximum).

Flashing details may vary with the application. It is most common to use a C-flashing at the top of the panel and a drip or sill type flashing at the bottom of the panel. C-flashing is typically used around the sides and bottom of window and door penetrations. Sill flashing is used at the top of windows and doors. Outside and inside corner flashings are also common.

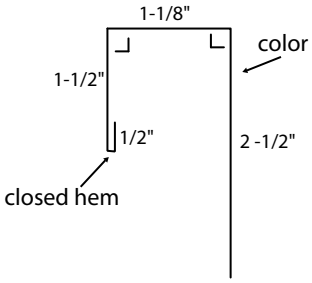
Typical installation sequence: Fasten C-flashing at top of the wall and the drip flashing at bottom of the wall. Slide the panel into the C-flashing until it clears the drip flashing and push the panel against the wall until flat, making sure the panel is straight and vertical, pull the panel down until it meets with the drip flashing, leaving 1/16 to 1/8" gap between panel and drip flashing. Fasten the panel through the wide flange and into the sheathing.

The next panel is installed by placing the top of the panel into the C-flashing and sliding the short leg of the panel into the groove on the previous and push the panel against the last panel installed until there is little or no gap. Adjust the panel up or down to align with the previous panel and fasten the panel into place. Repeat the process on subsequent panels. Check for plumbness every few panels to keep straight.



CF C-Flashing

C-flashings are commonly used to flash the ends and sides of the panels. The purpose is to trim the panels for the best appearance. C-flashings also typically used around the sides and bottom of windows and doors.



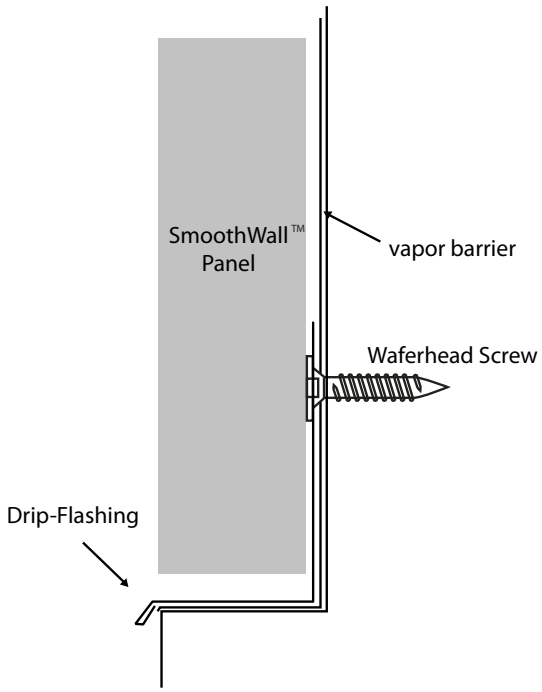
SmoothWall™ C-Flashing Application

- The C-flashings are applied to the wall, attached every 24" to 48" with a waferhead screw. Apply C-flashing at the top of the wall or when starting and finishing panel runs if no corners are used. For longer runs, it is usually better to apply 10' of flashing on each end at a time, that way you don't have to slide panels a great distance.

- Slide the wall panels into the channel created by the C - flashing. The short leg of the panel should be pointed into the C-flashing at the start of the run. Be sure to fasten the panel to the structure at least every 24" through the wide flange of the panel.

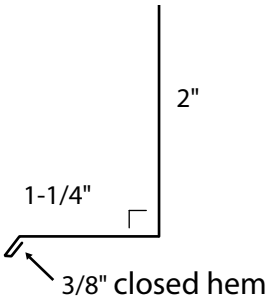
- Successive panels are installed the same way, but are installed so they attach to the previous panel. Push the panels together so there is little or no gap between them.

Drip Flashing



DP Drip Flashing

The drip flashing is used to cap the bottom of the wall panels and to keep water from draining onto a ledge/sill or to drain away from a foundation. Also used above doors and windows.



SmoothWall™ Drip Flashing Application

Place the drip flashing over the ledge/sill at the bottom of the wall.

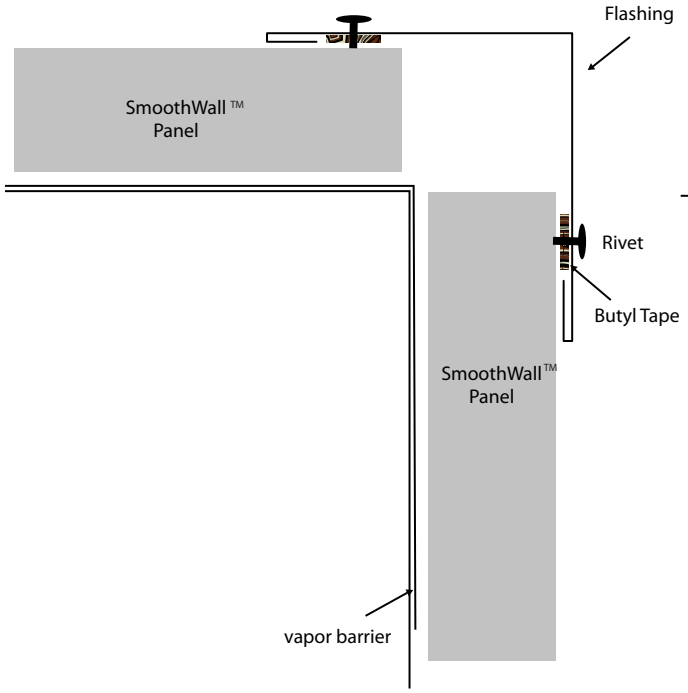
Fasten the drip flashing to the wall with a waferhead screw through the upright 2" leg every 24" to 48".

Install the first panel so the bottom is 1/16" to 1/8" from the base of the flashing.

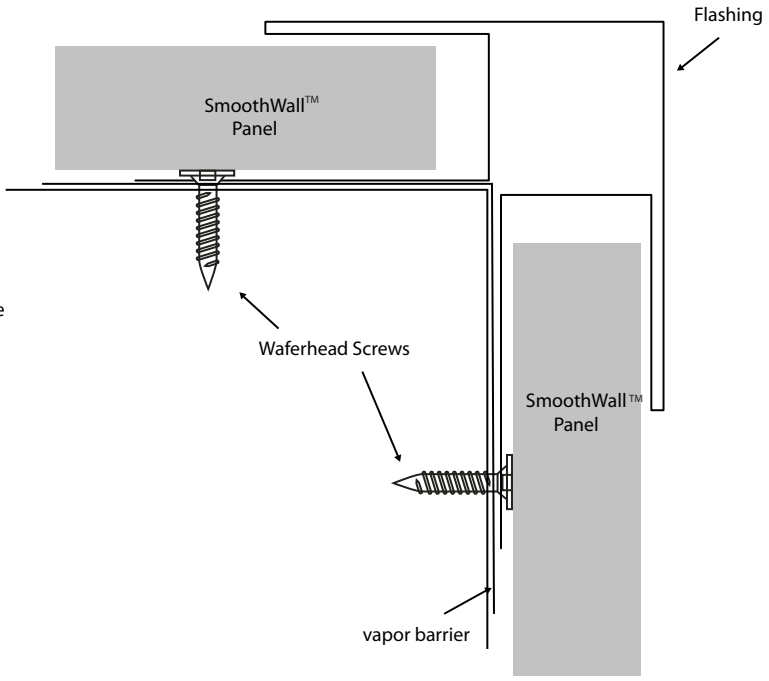
Subsequent panels are to be installed the same as the first, so that they are even and uniform.

Outside Corner Flashing

Type A



Type B



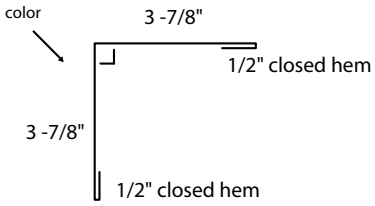
CO Outside Corner

There are two types of outside corner flashing:

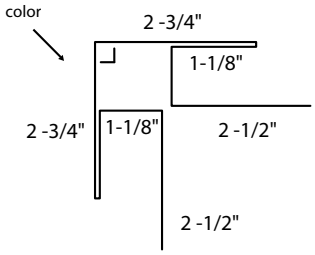
Option A: This option is a simple angle which is attached to the panels themselves.

Option B: This flashing is attached to the structure and the panels are fitted into the channels on the flashing.

Type A



Type B



Outside Corner Flashing Application

Type A

Install the panels on the wall running the panels to the corner. Trim as necessary.

Run a strip of butyl tape or caulking on the inside of the flashing, 1" in from each outside edge of the corner flashing.

Attach the outside corner flashing to the panels with a rivet or a woodfast screw every 24" on both sides of the corner flashing, placing the fastener through the butyl tape.

Type B

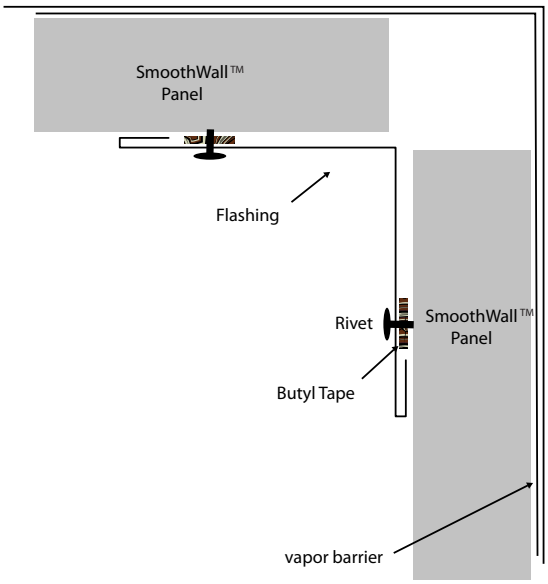
Install the outside corner flashing to the corner of the structure, using a waferhead type screw every 24".

Fit the edges of the panels into the channel of the corner flashing.

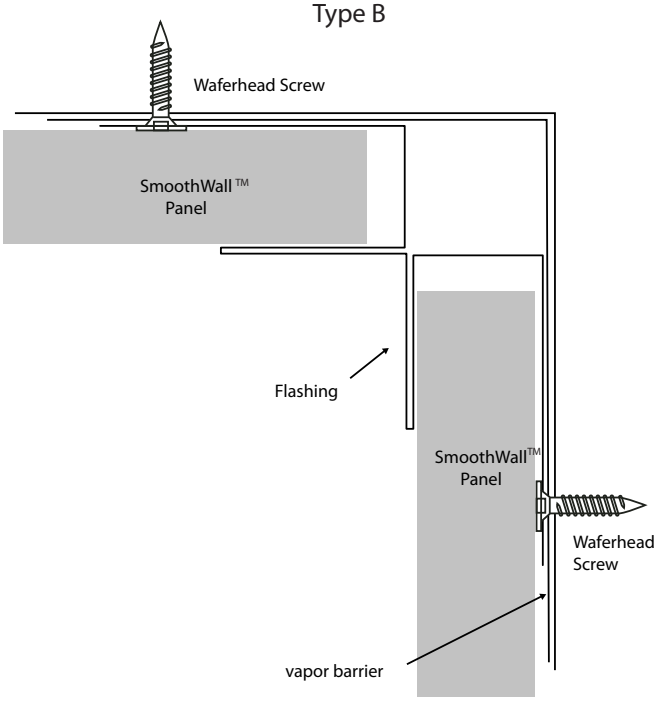
Rivet the panels into place as needed.

Inside Corner

Type A



Type B

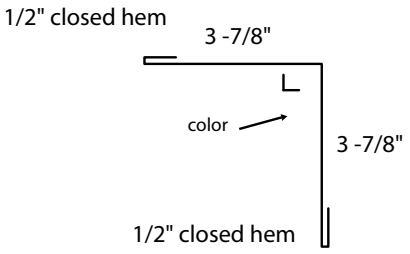


CI Inside Corner

There are two types of inside corner flashing:

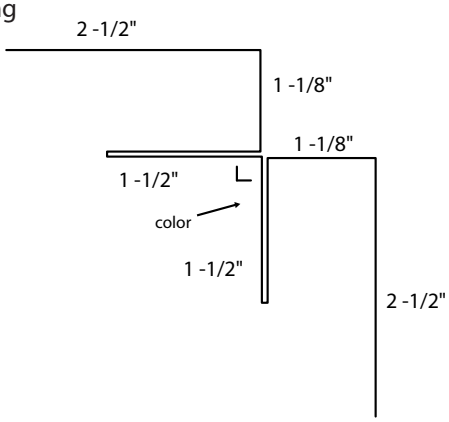
Option A: This option is a simple angle which is attached to the panels themselves.

Type A



Option B: This flashing is attached to the structure and the panels are fitted into the channels on the flashing.

Type B



Inside Corner Flashing Application

Type A

Install the panels on the wall running the panels to the corner. Trim as necessary.

Run a strip of butyl tape or caulking on the inside of the flashing, 1" in from each outside edge of the corner flashing.

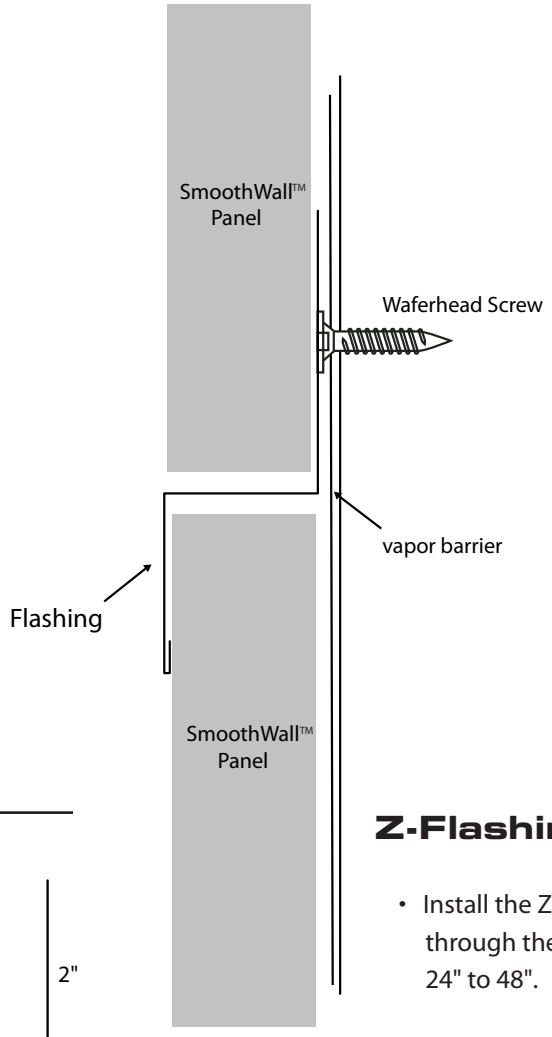
Attach the outside corner flashing to the panels with a rivet or a woodfast screw every 24" on both sides of the corner flashing, placing the fastener through the butyl tape.

Type B.

Install the inside corner flashing to the corner of the structure, using a waferhead type screw every 24".

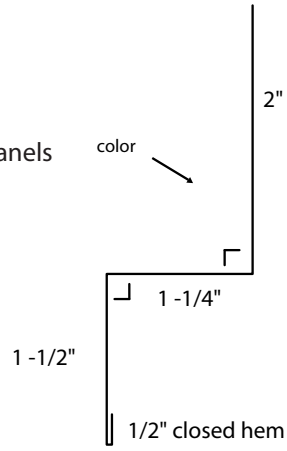
Fit the edges of the panels into the channel of the corner flashing.

Rivet the panels into place as needed.



ZF Z- Flashing

Use where the ends of two panels come together when the panels require a joint due to excessive height.



Z-Flashing Application

- Install the Z-Flashing by fastening to the structure through the 2" leg with a waferhead screw every 24" to 48".
- Install Z-Flashing straight and square perpendicular to panels and fasten into position.
- Install panels as with C-flashing and drip/sill flashing as previously stated.

Lifetime™ SOFFITPANEL

INSTALLATION INSTRUCTIONS

TAYLOR METAL PRODUCTS

4566 Ridge DR NE, Salem, OR 97301

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

www.taylormetal.com

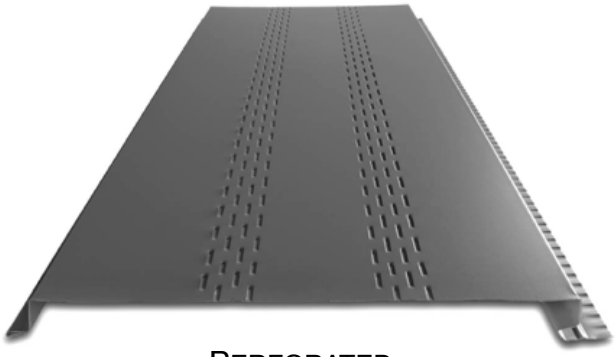
TAYLOR METAL PRODUCTS

Lifetime Soffit™

Lifetime Soffit™ will give your commercial or residential project a clean monolithic appearance. These panels are a perfect fit to be used on walls, soffits and fascia. With the 4 different panel styles available, your designs will come alive.

Key Features

- 12˝ and 12⅝˝ coverage options
- 26, 24 & 22 gauge Tru-Gauge™, .032 Aluminum and 24 gauge Bonderized (G-90)
- 16 & 20 oz. Copper *please inqurie*
- Custom lengths 2' to 35' (*inquire on longer lengths)*
- Concealed fasteners: fasteners cannot leak
- 17 sq inch free air flow per lineal foot of perforated panel
- Pre-slotted fastener flange: allows expansion/contraction of panel
- ASTM E283, ASTM E330, ASTM E331
- UL Class A fire rated
- Versatile in wall and soffit applications
- Pan options: Flat pan, Single Bead, Double Bead and Perforated
- "Oil canning" is an inherent characteristic of roof and wall products, and not a defect, which is not a cause for panel rejection



PERFORATED

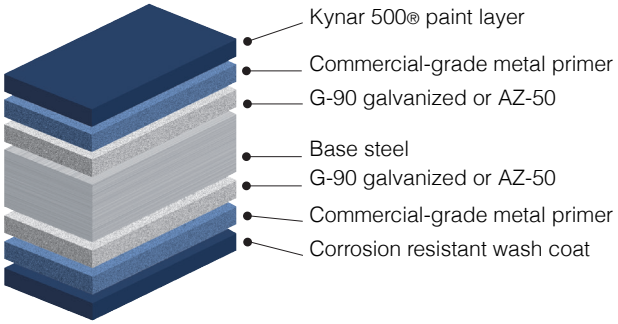
TAYLOR METAL PRODUCTS

Material Specifications

- 26 gauge Kynar 500® Painted Steel
  .019" (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 22 & 24 gauge Kynar 500® Painted Steel
  .0236˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- 22 & 24 gauge bare Zincalume® Plus with Clear Acrylic Coating
- ▲22 gauge Kynar 500® Painted Steel
  .029˝ (thickness prior to painting)
  G-90 Galvanized or AZ-50
- .032 Kynar 500® Painted Aluminum
- 24 gauge Bonderized (G-90)
- 16 and 20 oz. Copper
- 22 gauge Rusteel™ (cold-rolled)
- 22 gauge Rusteel Plus™ (A-606)
- Kynar® and substrate testing data available
  (See website)

Key Features

- 19 Standard Color, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)



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

STANDARD 24g COOL KYNAR 500® COLORS

Glacier White SRI-85 ▲
Sierra Tan SRI-59
Parchment SRI-58
Sterling Grey SRI-44 ✦
Zinc Grey SRI-40 ▲✦
Charcoal Grey SRI-25 ▲✦
Saddle Tan SRI-37
Medium Bronze SRI-33 ▲✦
Dark Bronze SRI-27 ▲✦
Black SRI-29

Tahoe Blue SRI-28
Pacific Blue SRI-28
Hemlock Green SRI-36
Forest Green SRI-25
Pine Green SRI-26
Terra Cotta SRI-42
Tile Red SRI-36
Colonial Red SRI-38
Retro Red SRI-41

PREMIUM METALLIC COOL KYNAR 500® COLORS

Metallic Silver SRI-58 ▲
Champagne SRI-46
Antique Patina SRI-40
Copper Penny SRI-48
Weathered Zinc SRI-35 ▲✦

SPECIALIZED MATERIAL

16 oz. and 20 oz. Copper
Zincalume® Plus SRI-65 ▲
Bonderized
Vintage® SRI-19
22g Rusteel™ (Cold Rolled) Rusteel Plus™ (A606) ▲

These printed chips provide a close representation of the colors. Metal samples are available upon request. Coatings are low gloss 10-15% sheen.
"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and it not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

Standard Panels Weights			
Gauge	Color	LBS SQFT	LBS LF
26	Kynar	1.09	1.09
24	Kynar	1.28	1.28
22	▲	1.61	1.61
.032 Alum	✦	.60	.60

steelscape

8-16

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Delivery and Will Call 2
Handling and Storage 3
Tools 4
Fasteners 5
Soffit Panel Installation 6

FLASHINGS

CF Soffit C 7
AF Soffit Angle 8
DS Drip/Soffit 9
FB Fascia Board 10
HF Soffit/Fascia H 11

Introduction

Taylor Metal Products, Inc. LifeTime™ Soffit panels are designed for use on commercial and residential applications.

The LifeTime™ Soffit provides an attractive alternative to plywood or open soffits and offers ventilation when incorporating perforated soffit panels into the system.

These installation instructions are intended to offer suggested application procedures for common building construction. No attempt is made to provide installation details for every application or possible use.

Please contact Taylor Metal Products for use of custom flashing details as they pertain to specific conditions or to discuss a specific project.

Conformity to local building codes, details for specific applications, and use of safety and health procedures is the sole responsibility of the installer.

Taylor Metal Products, Inc. assumes no liability for the improper installation of the soffit panel nor for any personal injury or property damage that may occur with the product's use.

Oil Canning – All light gauge metals can display waviness often referred to as "oil canning." This is caused by steel mill tolerances, substrate variation and relative reflectivity. "Oil canning" is an inherent characteristic of steel products, not a defect, and is not a cause for material rejection.

Delivery and Will Call

Delivery Policy

Taylor Metal Products, Inc. delivers using diesel trucks with 5th wheel, low-boy flat bed trailers. Overall combined length can be as long as 65 feet. Our fleet includes trucks, with and without knuckle cranes, and a variety of trailer sizes to assist in deliveries. We will make every effort to accommodate requests for a specific delivery mechanism but we cannot guarantee availability of specific resources.

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.
- Any balance owing on C.O.D invoices.
- Providing adequate resources (1-4 people as needed) for off-loading materials.
- $35 per half hour charge if delivery takes longer than one-hour.

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 failure, road closures, etc. which may affect our schedule.

Will Call and Loading Policies

Flat bed 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.

> Examples are: 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.) We do offer a delivery service at reasonable rates to accommodate the customer who needs the materials delivered to an accessible job-site.

Please see our delivery pricing pages for more information.

LifeTime™ Soffit panels are available in lengths between 2 feet and 50 feet in 1/4 inch increments. Panels shorter than 2 feet are available, however, they are subject to a per panel handling charge. Please see current price list.

LifeTime™ Soffit panels are available in smooth (solid) or perforated, with an optional center v-groove.

Handling and Storage

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 TMP within 48 hours of delivery.

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 TMP 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 bundles to allow drainage of wet materials.

Take care when painting to avoid getting over-spray on the soffit material. Remember that wind can carry paint particles some distance. Over-spray can cause the finish of the soffit 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.

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

Tools

The following tools may be used for proper installation.

- Screw Gun: Clutch type, variable torque, cordless screw guns will give the best results.
  - Extra batteries
  - Bit holder - magnetic
  - #2 square drive bits or phillips drive bits(for panel screws)
  - 1/4" Hex head - magnetic - bit driver (for woodfast flashing screws)
  - 1/8" drill bit (for rivets & pre-drilling fastener holes)
  - Belt & holster (keeps all the above tools safely on your hip)

- Cutting Tools:
  - Cutters/Offset (curved jaw) left & right (for precision cutting, long cuts)
  - Snips (straight jaw) left & right (for short cuts & circular cuts)
  - Hack Saw - 32 TPI Blade
  - Circular & Sabre saws (with metal cutting blades speeds up panel cutting but leaves very rough edges and burrs paint)
  - CAUTION: POWER SAWS MAY CAUSE PANEL DAMAGE!
  - Electric Shears (aids in long panel rips)
  - DeBurring Tool

  WARNING - Filings, debris and chips must be wiped off panels, otherwise rust will develop!

- Hole Punch (for pre-punching holes in metal)
- Rubber Mallet - Soft Type (for adjusting panels & flashings)
- Quick Square, Framing Square & Bevel Square (aids in squaring flashings & panels)
- Duck Bill Vise Grips/Pliers (for various bending)
- Tape Measures - 16' for most work - larger sizes for larger surface & panel measurements
- Rivet Tool (for riveting flashings)
- Marking pen or pencil
- Chalk Line (for marking long panel rips and to align panels)
- Protective gloves to protect hands
- Cotton gloves for working with copper (to protect against fingerprints on finish)

TMP recommends the following fasteners for 26ga and 24ga galvanized steel LifeTime Soffit panels. Waferhead screws are used to attach flashings and panels to the structure.

Recommended Fastener Spacing:

- 24 inches for flashing attachment
- 48 inches for panel attachment in a soffit application

Waferhead, Sharp point

Sizes:

#9-16 x 1"	#2 Phillips Drive (also available in #2 Square Drive)
#9-16 x 1-1/2"	#2 Phillips Drive

Waferhead screws are recommended for attaching the panels to a wood deck or substrate. They are concealed fasteners and made of carbon steel coated with Zinc and an Oxyseal/Xylon Coating for long life.

Lathhead Screws, Sharp Point

Size: #6 x 9/16"

Lathhead screws are used to attach the panels to the wood deck. While generally not recommended for most applications, this concealed fastener is useful for areas where a longer fastener will penetrate the substrate and exhibit an objectionable appearance, such as exposed overhangs. The pull out rating for this fastener is less than the waferhead, so these fasteners need to be placed more often.

Woodfast, Sharp Point

Sizes:

#9-16 x I"	1/4" Hex Drive- Color Match
#9-16 X 1-1/2"	1/4" Hex Drive- Color Match

Woodfast screws are recommended for attaching metal to wood in some cases metal to metal. They are exposed fasteners made of carbon steel, coated with Zinc and an Oxyseal/Xylon Coating for long life.

Stitch Screw, Sharp Point

Size #12 x ¾" ¼" Hex Drive-Color Match

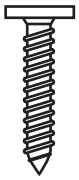
Stitch screws are used to attach metal to metal such as lap joints in flashing. They can be used interchangeably with rivets. They are exposed fasteners.

Rivets

#42 or #44 (1/8" x 1/8") Stainless Steel rivet-color matched or non-painted

Rivets are used to attach metal to metal such as lap joints in flashing.

TMP recommends the following fasteners for use with copper:

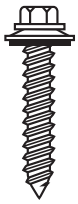


Pancake Head, Sharp Point

(Silicon Bronze)

Size: #10 x I" #2 Phillips Head-natural finish

The Silicon Bronze fasteners are used with copper roofing panels to prevent reactions between unlike metals. The pancake head is used for panel attachment, and is a concealed fastener.



Woodfast, Sharp Point

(Silicon Bronze)

Size: #10 x I" 1/4" Hex head -Natural finish

The Silicon Bronze fasteners are used for metal to wood applications, typically for the attachment of flashings. They are exposed fasteners.

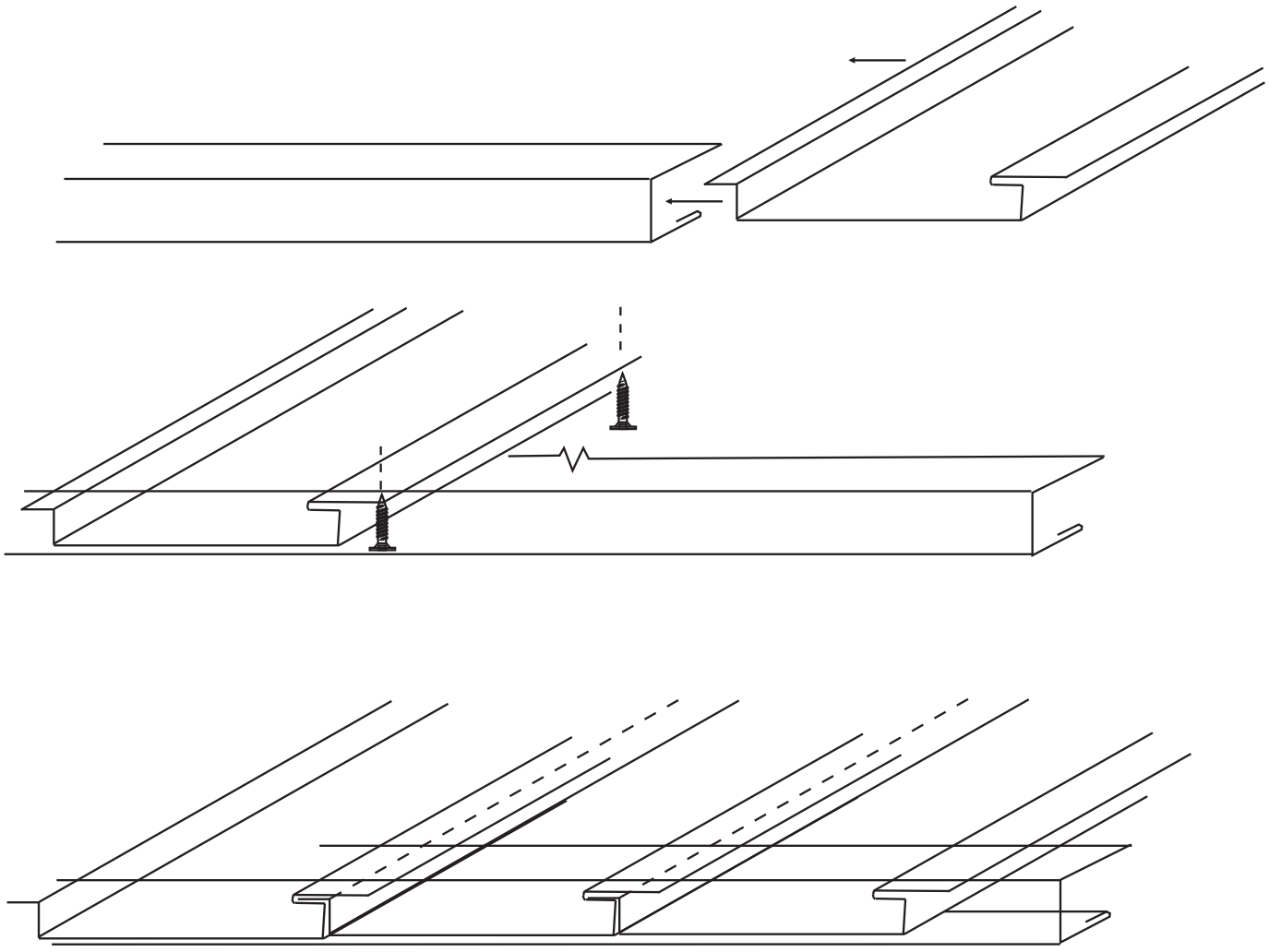
Rivets

(copper rivet/brass mandrel)

Size: #42 or #44 1/8" x 1/8"

Rivets are used to join metal to metal such as lap joints in flashings.

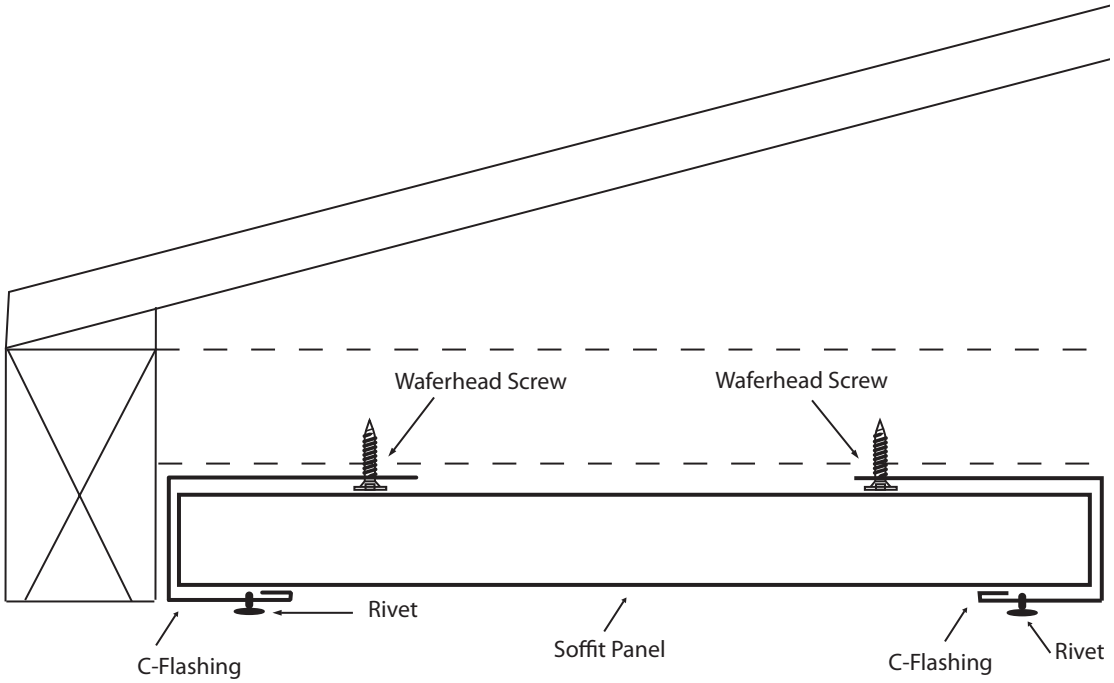
Soffit Panel Installation



On a typical soffit installation, C-Flashings are used on each side of the soffit (usually the building wall and the inside of the fascia board).

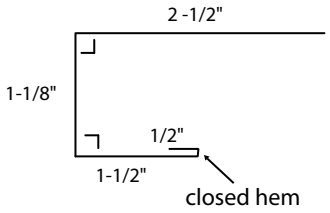
The panel is then inserted into the C-Flashing from the end. Slide the panel to the end. The panel is fastened through the fastening flange of the panel to the structure, if the span exceeds 48". Fasten the panel to the C-flashing with a rivet on both fascia and wall sides.

Insert the next panel into the C-Flashing and slide to meet the preceding panel. Fasten and repeat the process until the area is complete.



CF C-Flashing

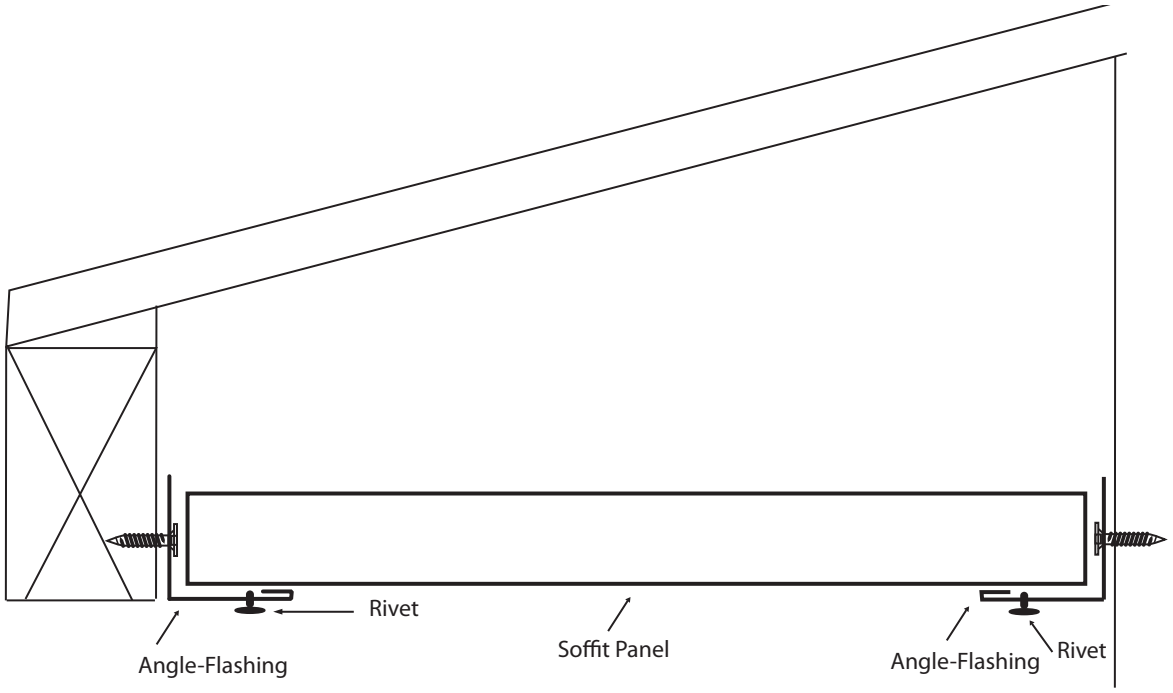
C-flashings are commonly used to flash the ends and sides of panels. The purpose is not only to trim the panels for the best appearance, but also to provide support.



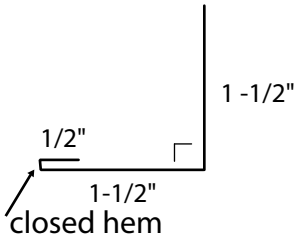
Soffit C-Flashing Application

- The C-flashings are applied to the inside of the fascia board and directly across on the opposite wall level with one another and attached every 24" to 36" with a waferhead screw. Apply C-flashing on both sides and at each end. It is usually better to apply 10' of flashing on each side at a time, that way you don't have to slide panels a great distance.
- Slide the soffit panels into the channels created by the C-flashing. The short leg of the panel should be pointed into the C-flashing at the start of the run. Be sure to fasten the panel to the structure if the span is greater than 48".
- Successive panels are installed the same way, but are installed so they attach to the previous panel. Push the panels together so there is little or no gap between them.
- Fasten each panel to the C-flashing with a rivet on both the fascia and wall sides as needed.
- C-flashing can be bent to allow the panels to be installed parallel with the roof line. The bend is limited to a 6/12 pitch or less. Specify pitch.

Soffit Angle Flashing



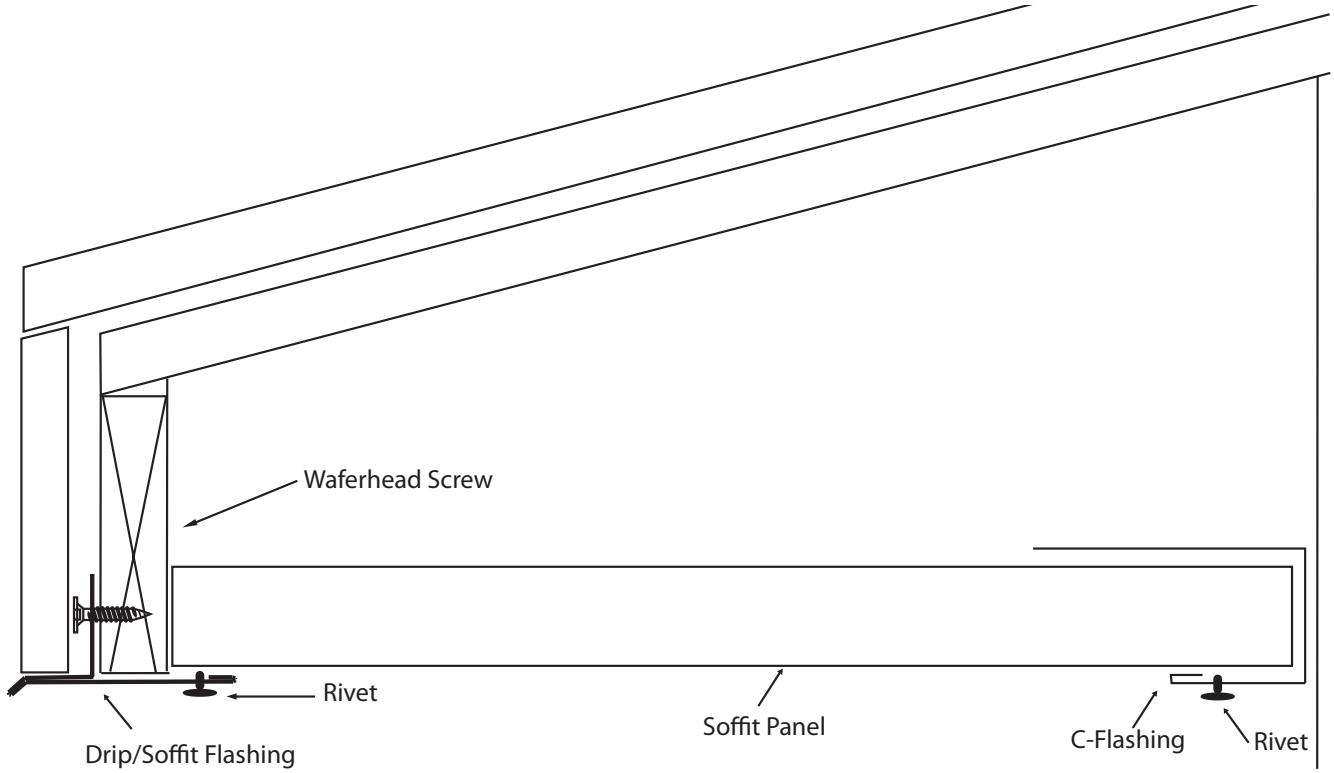
AF Angle Flashing



Soffit Angle Flashing Application

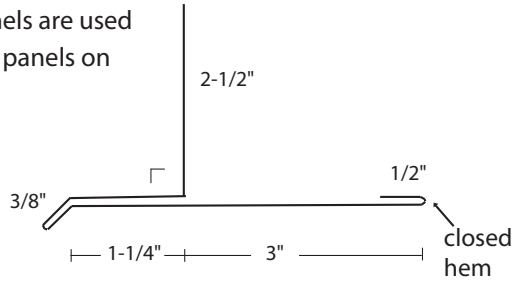
- The Angle-Flashing are applied both to the inside of the fascia board and directly across the opposite wall. The Angle-Flashings are attached every 24" with a Waferhead screw. Apply Angle-Flashing on both the inside of the fascia board and the wall, as well as at the end of the run.

- Lay each end of the panel(s) onto the ledge created by the 1-1/2" hemmed leg and fasten into place. Panels should be attached on each end to the Angle Flashing on both the fascia and wall side. Be sure to support the panel if the span is greater than 48".



DS Drip/Soffit

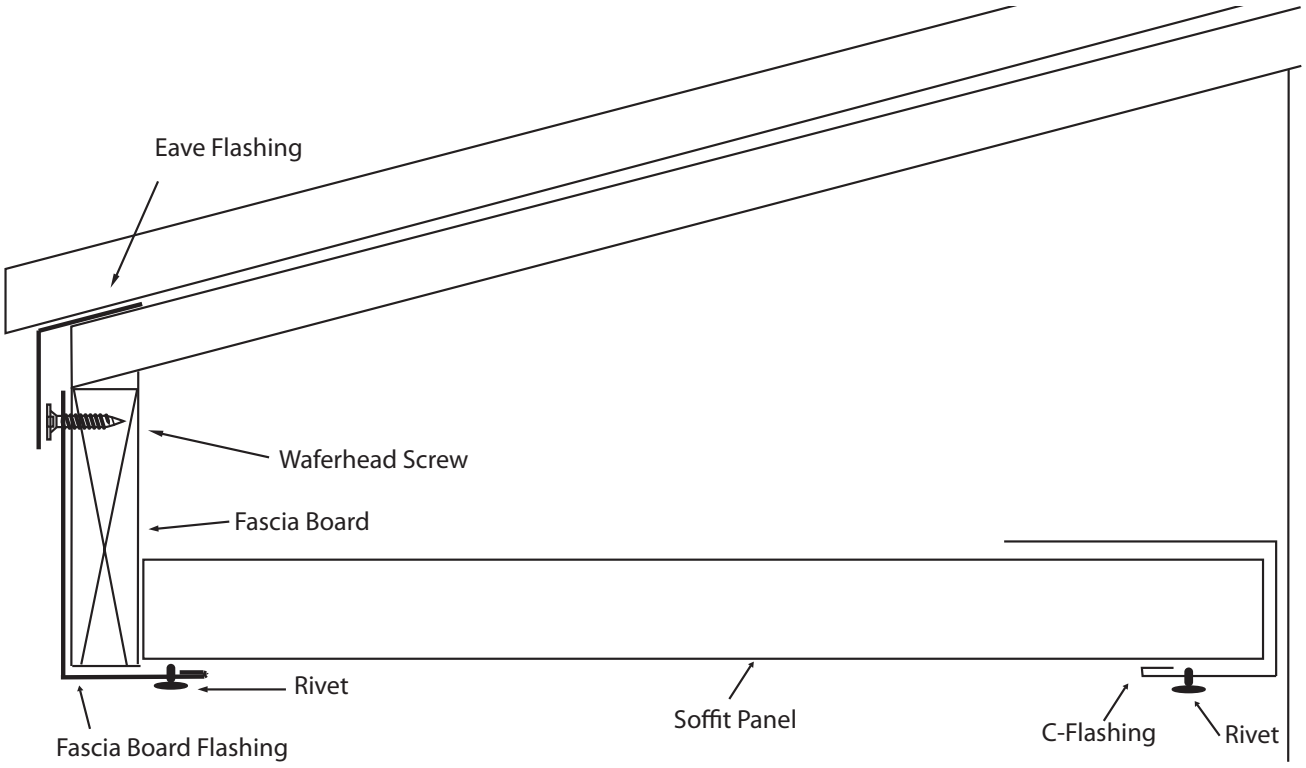
Use when soffit panels are used in conjunction with panels on the fascia.



Drip/Soffit Flashing Application

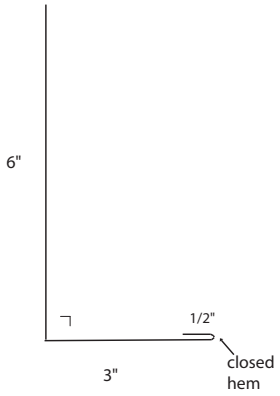
- This is a variation of the supporting flashings for the soffit panels. The Drip/Soffit flashing is used in conjunction with a fascia/wall panel, such as the Smoothwall® Panel, and incorporates a drip lip as well as the ledge/leg to support the soffit panels.
- Installation of the soffit panels is the same as previously described.

Fascia Board Flashing



FB Fascia Board

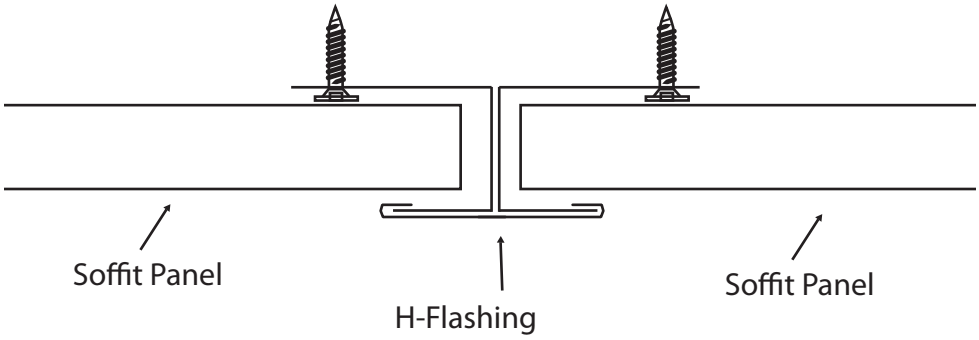
Use when soffit panels are used in conjunction with standard covered fascia.



Fascia Board Flashing Application

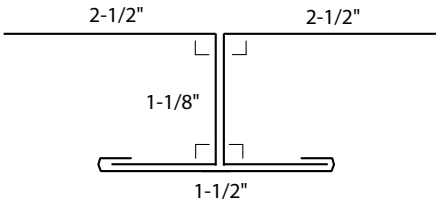
- This is a variation of the supporting flashings for the soffit panels. The Fascia Board flashing is used in conjunction with a fascia/wall panel, such as the Smoothwall® Panel, and incorporates a ledge/leg to support the soffit panels.
- Installation of the soffit panels is the same as previously described.

Soffit/Fascia H-Flashing



HF H- Flashing

Use where the ends of two panels come together either at a corner , like the soffits on a hip roof, or where the panels require a joint due to excessive length.



H-Flashing Application

- Install the H-Flashing by fastening the flashing to the structure through each of the long legs (2-1/2") with a waferhead screw.
- When installing panels at corners, cut the panels for the angle, usually 45 degrees, de-burr, clean and insert angled end into each side of H-Flashing.
- For long runs, install H-Flashing straight and square perpendicular to panels and fasten into position. Install panels into channels at each end. ***Remember to fasten panel every 48" on single spans greater than 48".***

Flashing and Detail Guide
Exposed Fastener

Tuff Rib
T-3
GR7
GR5
PBR
2-1/2″ Corrugated
Classic 7/8″ Corrugated
HR-34
Box Rib
Classic Vee Rib

TAYLOR METAL PRODUCTS

Exposed Fastener

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Introduction:

Taylor Metal Products is a locally owned and operated business. Since 1985 we have combined the most rigorous quality standards and exceptional service to deliver what is widely stated as the most time-tested and valued roof and wall system in the industry.

At Taylor Metal we listen to our customers, this is how we have become the supplier of choice to many in the industry. Our entire team is always committed to taking whatever steps necessary to meet your needs.

We have an exceptionally skilled and motivated team. Our employees, some of whom have been with Taylor for more than a dozen years, take great pride in their work and it shows in each and every order we produce.

The team at Taylor goes far beyond just taking your order. We will work with all parties involved in the building process to determine the most appropriate materials, flashing designs, and installation procedures to ensure you have a building solution to last a lifetime.

Our specially-designed product packaging system ensures that materials arrive to your yard or site in quality condition, free from damage and ready to install.

We offer a high-quality SMP and Kynar® paint systems, with “Cool Color” technology and a complete line of standard flashing and accessories. In addition, we offer affordable, custom-made flashing’s for all your project needs.

We invite you to call us today at **800-574-1388** or **503-581-8338** for product or technical information.

Delivery & Unloading Policy

Delivery:

Taylor Metal Products delivers materials using diesel 5th wheel trucks and flat bed trailers. Overall combined length can be as long as 65 feet. Our fleet includes trucks, with and without knuckle cranes, and a variety of trailer sizes to assist in deliveries. We will make every effort to accommodate requests for a specific delivery mechanism, but we cannot guarantee availability of specific resources.

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 failure, road closures, etc. which may affect our schedule.

Delivery is generally included in the price of the products, providing they are shipped to the customer's yard on a Taylor Metal truck along our normal delivery routes. A yard is a retail place of business where products are displayed, unloaded, and stored for re-shipment. Off-loading equipment must be available and our trucks need to be able to turn around without assistance.

Job-Site Delivery:

Job-site delivery is available ,(prices vary depending on location).
A job-site is defined as a delivery to property other than a customer's retail yard.

The customer is responsible for:

- At time of order, customer must provide physical address of delivery, job-site contact name and phone number.
- Determining adequate access for delivery ahead of time.
- Meeting the delivery at the agreed upon time.
- Any balance owed on C.O.D. Invoices.
- Providing adequate resources (1-4 people and equipment as needed) for off-loading materials.
- $35 per half hour charge if delivery takes longer than one hour.

We will make every attempt to deliver materials 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.

Will Call & Loading Policies

Taylor Metal Products' shipping and receiving office is open from 8:00 am - 4:30 pm PST, Monday thru Friday (except holidays). Flat bed 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.

Unsuitable Examples: 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.

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.)

We do offer a delivery service at reasonable rates to accommodate the customer who needs the materials delivered to an accessible job site.

- Please see our delivery pricing for more information.

Standard and Special Packaging

Standard Packaging:
Standard packaging is included in the panel price and is designed to insure your products are delivered free from damage. All roofing and siding orders are packaged for protection with steel cover sheets and banded with slotted band boards.
Maximum weight per skid is 5000 lbs for forklift unload.

Long Length Packaging:
On orders 24' or longer, pallets will be used to ensure safe loading and unloading of panels. A refundable deposit of $90.00 per pallet will be charged. Deposit will be refunded when pallet returned in good condition.

Additional Skid Packaging:
When customer requests less than maximum weight per skid, additional packaging charges of $1.25 per lineal foot of skid will be charged.

Handle materials with care when off- loading or moving materials to avoid damage to panels or flashing's. 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, flashing's and accessories in a dry, well ventilated area, off the ground. If covering, allow ventilation around the 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 on the ground or roof, especially when leaving the site, 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 and a safety safety harness to minimize risk of falling.

Avoid installing metal panels in windy conditions.

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

The following tools may be used for proper installation.

- Screw Gun: Clutch type with depth sensing nose piece allowing for variable torque settings. This will ensure proper installation of fasteners; using the incorrect screw gun could under drive or over drive fasteners.
  - Bit Holder
  - 1/4” Hex head - magnetic - bit driver (for #9 and #12 fasteners)
  - 5/16” Hex head - magnetic - bit driver (for #14 fasteners)
  - 1/8” drill bit (for rivets & pre-drilling fastener holes)
  - Belt & holster (keeps all the above tools safely on your hip)

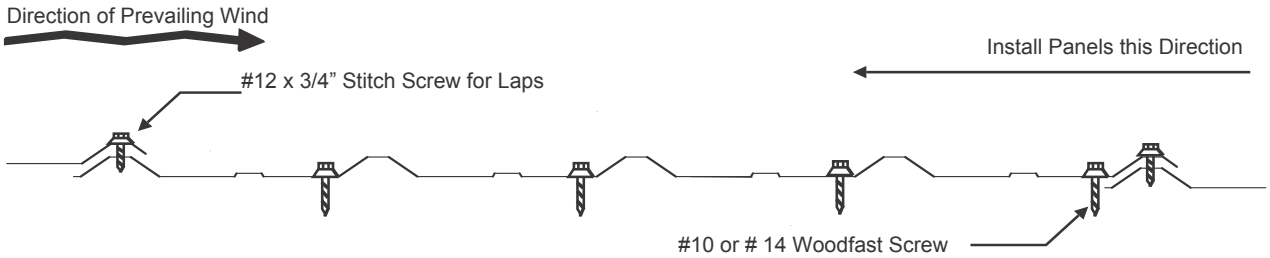
- Cutting Tools:
  - Cutters/Offset (curved jaw) left & right (for precision cutting, long cuts)
  - Snips (straight jaw) left and right (for short cuts & circular cuts)
  - Circular & Sabre saws (with metal cutting blades speeds up panel cutting but leaves very rough edges and burrs paint)
  - *CAUTION: POWER SAWS MAY CAUSE PANEL DAMAGE!*
  - Electric Shears (aids in long panel rips)
  - DeBurring Tool

WARNING: Filings, debris and chips must be wiped off panels daily during installation to help prevent rust.

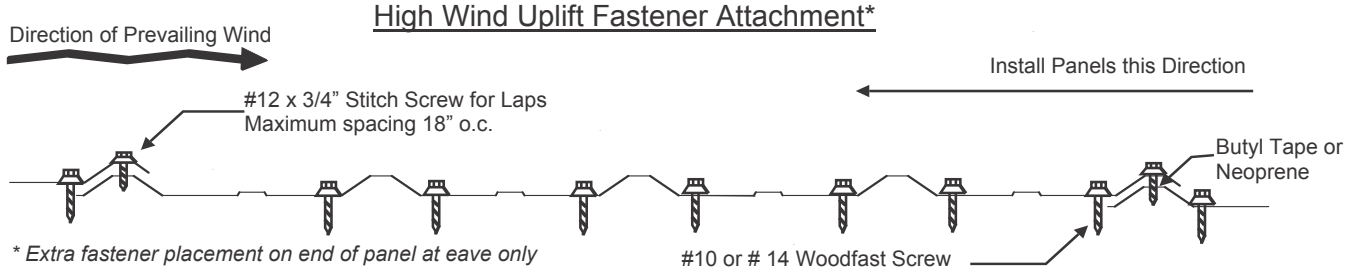
- Hole Punch (for pre-punching holes in metal)
- Quick Square, Framing Square & Bevel Square (aids in squaring flashings and panels)
- Duck Bill Vise Grips/Pliers (for various bending)
- Tape Measures - 16’ for most work - larger sizes for larger surface & panel measurements.
- Rivet Tool (for riveting flashings)
- Marking pen or grease pencil
- Chalk Line (for marking long panel rips and to align panels)
- Protective gloves
- Safety Glasses

TMP recommends the following fasteners for the through fastener

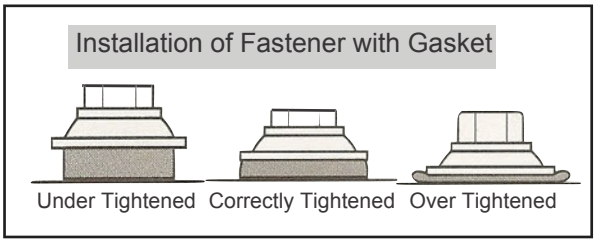
FASTENER	DESCRIPTION	USE
	#10 x 1", 1-1/2" Wood Screw 1/4" Hex Head	Attaching panel to dimensional lumber
	#14 x 1" , 1-1/2" Wood Screw 5/16" Hex Head	Attaching panel to plywood TCP recommends minimum 1/2" plywood
	# 12 x 3/4" Stitch Screw 1/4" Hex	Attaching trim-to-panel, trim-to-trim and side lap attachment
	#12 x 1", 1-1/2" Tek Screw 5/16" Hex Head	Attaching panel to metal purlin
	#14 x 7/8" Tek Screw 5/16" Hex Head	Attaching panel to metal purlin
	#43 1/8" x #43 Stainless Steel Rivet	Attaching trim-to-panel and trim-to-trim attachment



High Wind Uplift Fastener Attachment*



*Please note the illustration (right) for proper fastener installation to ensure a weather-tight seal.



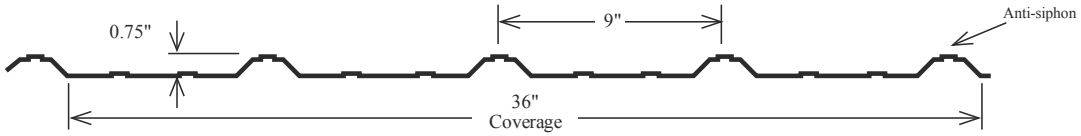
Fastener Spacing

Substrate	Maximum Row Spacing	Fastener Type
1/2" Plywood	24"	#14
5/8" Plywood	36"	#14
2 x 4	36"	#9

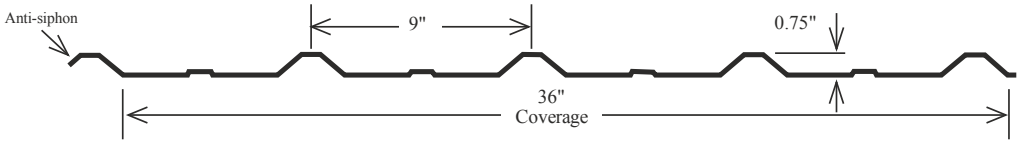
Notes:

- Fasteners should be installed according to the maximum recommended row spacing (above).
- Fasteners should be applied along each rib and to each purlin(see illustration on previous page).
- In high wind areas the bottom row of panel fasteners should be applied with fasteners along both sides of each rib and on panel laps (see illustration on previous page).
- When possible, lap panels away from prevailing wind direction.
- Stitch screws should be used on panel laps for all applications (24" o.c.maximum)
- Panel screws should be long enough to penetrate through the bottom of the plywood by 3/8". For dimensional lumber, (2 x 6) panels screws should penetrate the lumber 1".
- All fasteners used for roof or wall applications should have EPDM sealing washers.
- Use a 2000 rpm depth-sensing nose piece screw gun to ensure proper fastener seal.
- Do not over drive or under drive fasteners (see diagram above).
- Do not use #9 woodfast screws for attachment into plywood. #9 woodfast screws are designed to penetrate dimensional lumber. Use #14 fastener for plywood attachment.
- Clean off working area each day to remove metal particles left from drilling fasteners. These particles, when exposed to moisture, will form rust between metal particles and the panel surface.

Tuff Rib

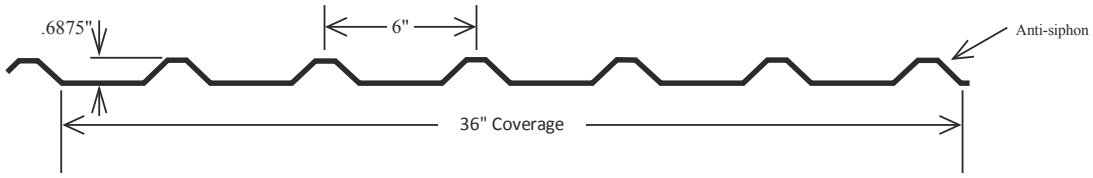


T-3

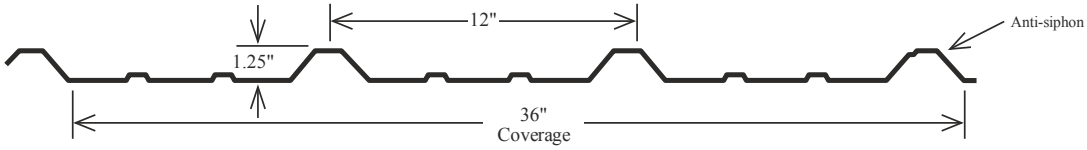


GR7-36"

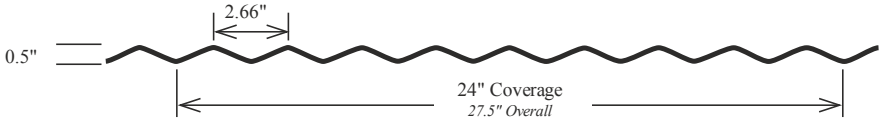
GR5-24"



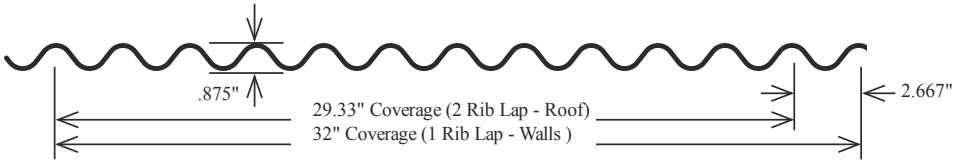
PBR



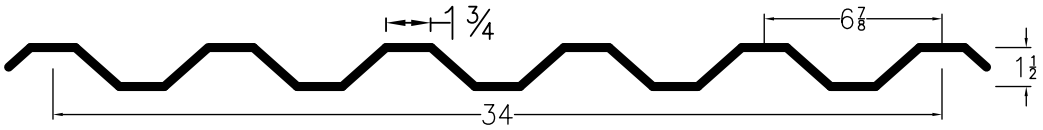
2-1/2” Corrugated



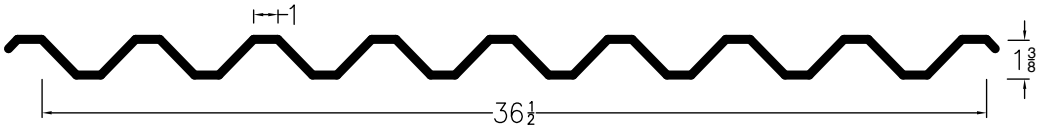
Classic 7/8” Corrugated



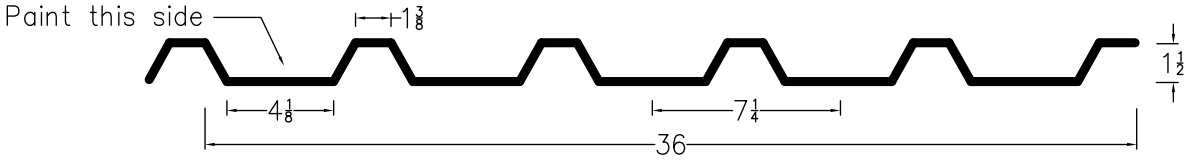
HR-34



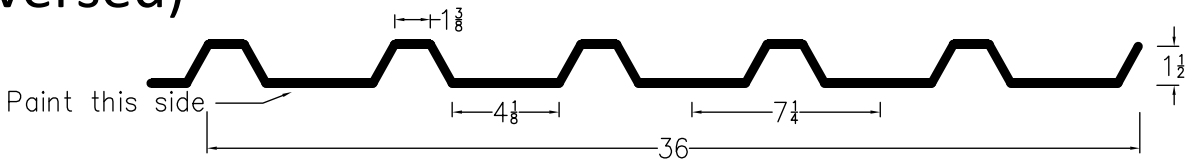
Classic Vee



Box Rib



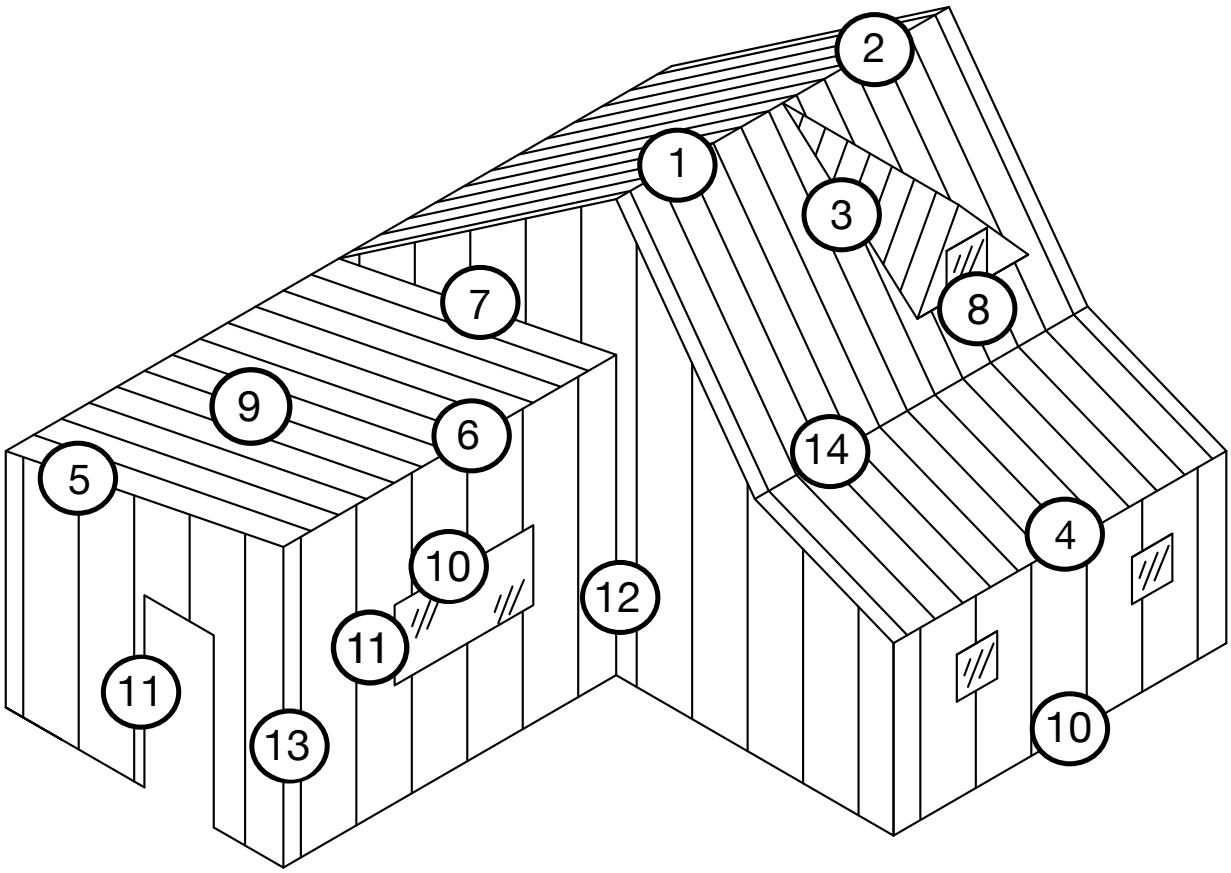
Box Rib (reversed)



TAYLOR METAL PRODUCTS

Exposed Fastener

Detail-Building call outs

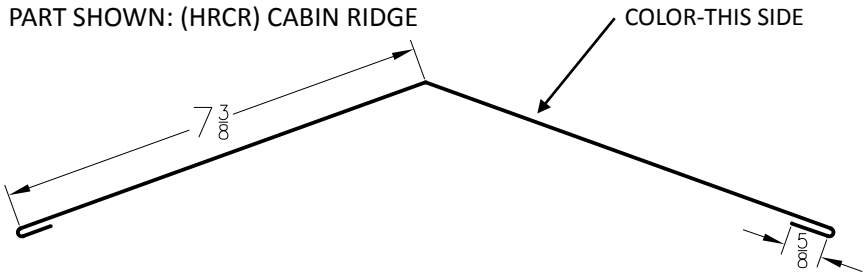


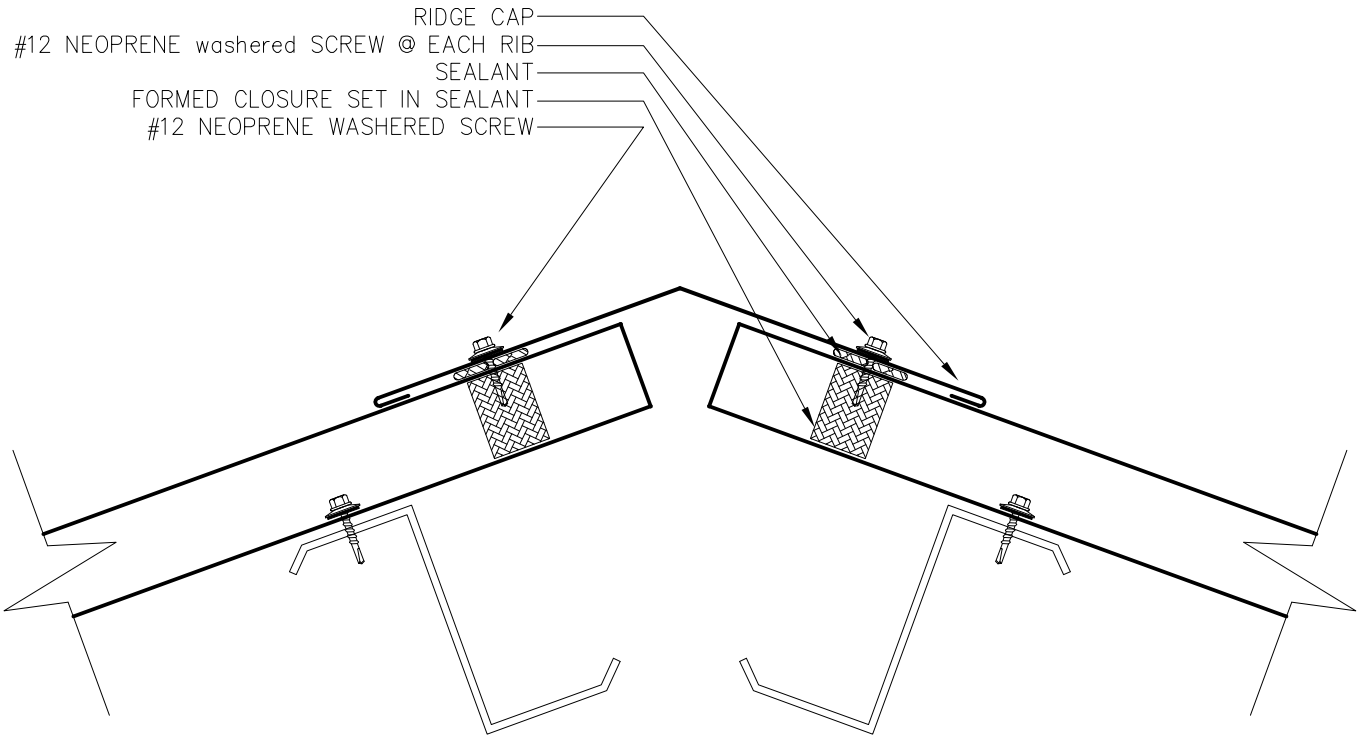
1-HIP/RIDGE	PAGE-13
2-VENTED HIP/RIDGE	PAGE-14
3-VALLEY	PAGE-15
4-EAVE	PAGE-16
5-GABLE	PAGE-17
6-PEAK CAP	PAGE-18
7-SIDE WALL	PAGE-19
8-END WALL	PAGE-20
9-PANEL LAP	PAGE-21
10-BASE	PAGE-23
11-C-Casing	PAGE-24
12-INSIDE CORNER	PAGE-25
13-OUTSIDE CORNER	PAGE-26
14-PITCH TRANSITION	PAGE-27

TAYLOR METAL PRODUCTS

Exposed Fastener

Detail-Ridge/Hip

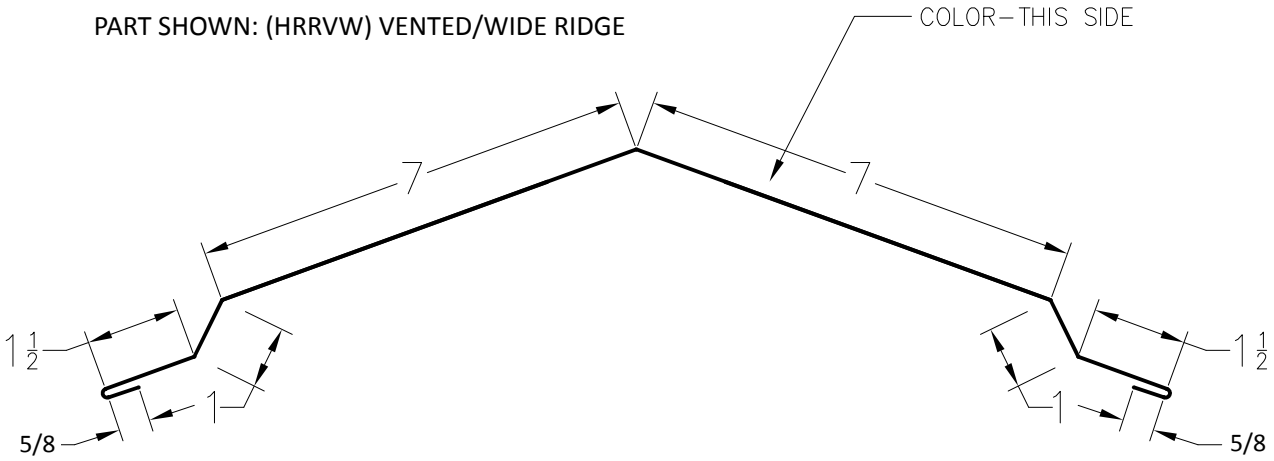


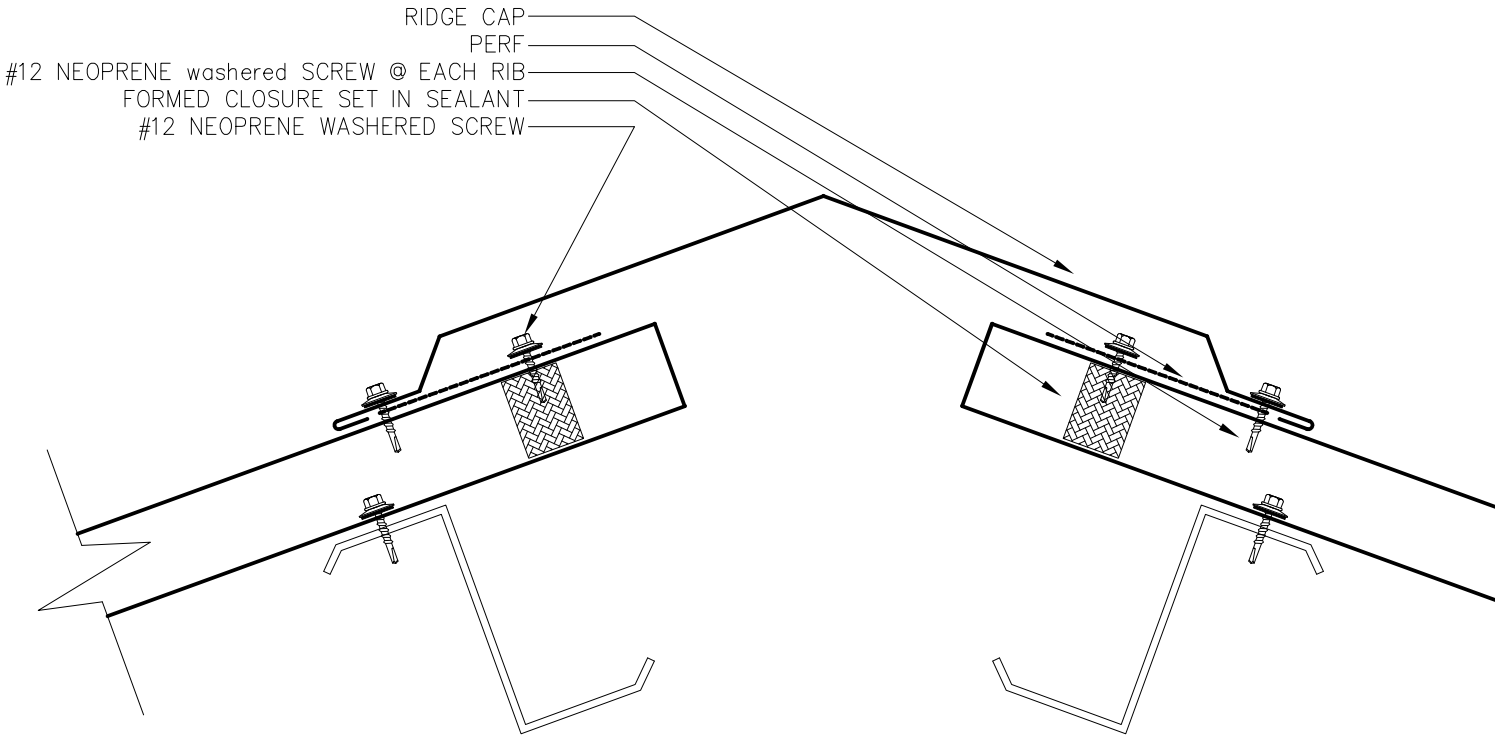


Exposed Fastener

Detail-Vented Ridge/Hip

PART SHOWN: (HRRVW) VENTED/WIDE RIDGE



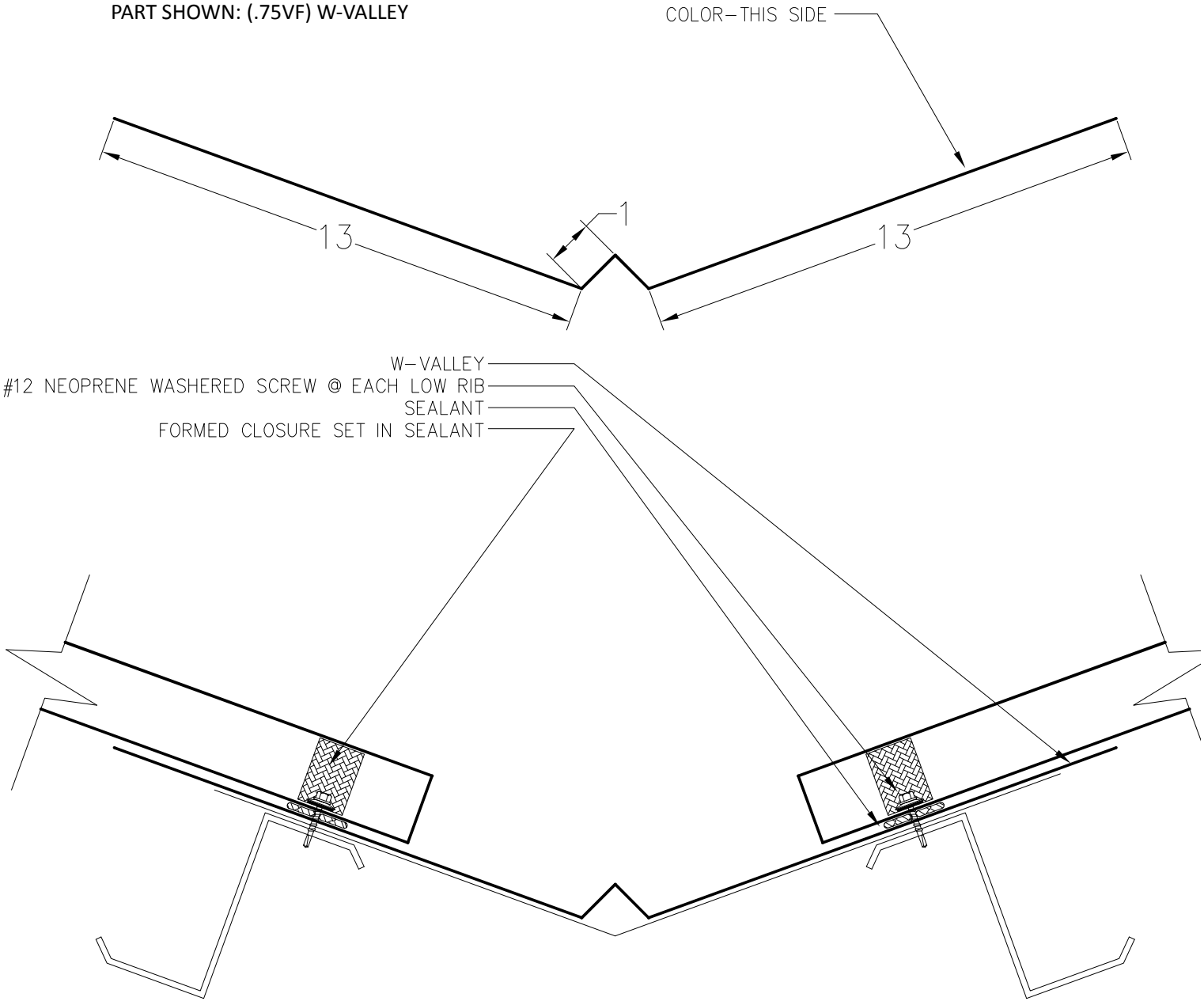


TAYLOR METAL PRODUCTS

Exposed Fastener

Detail-Valley

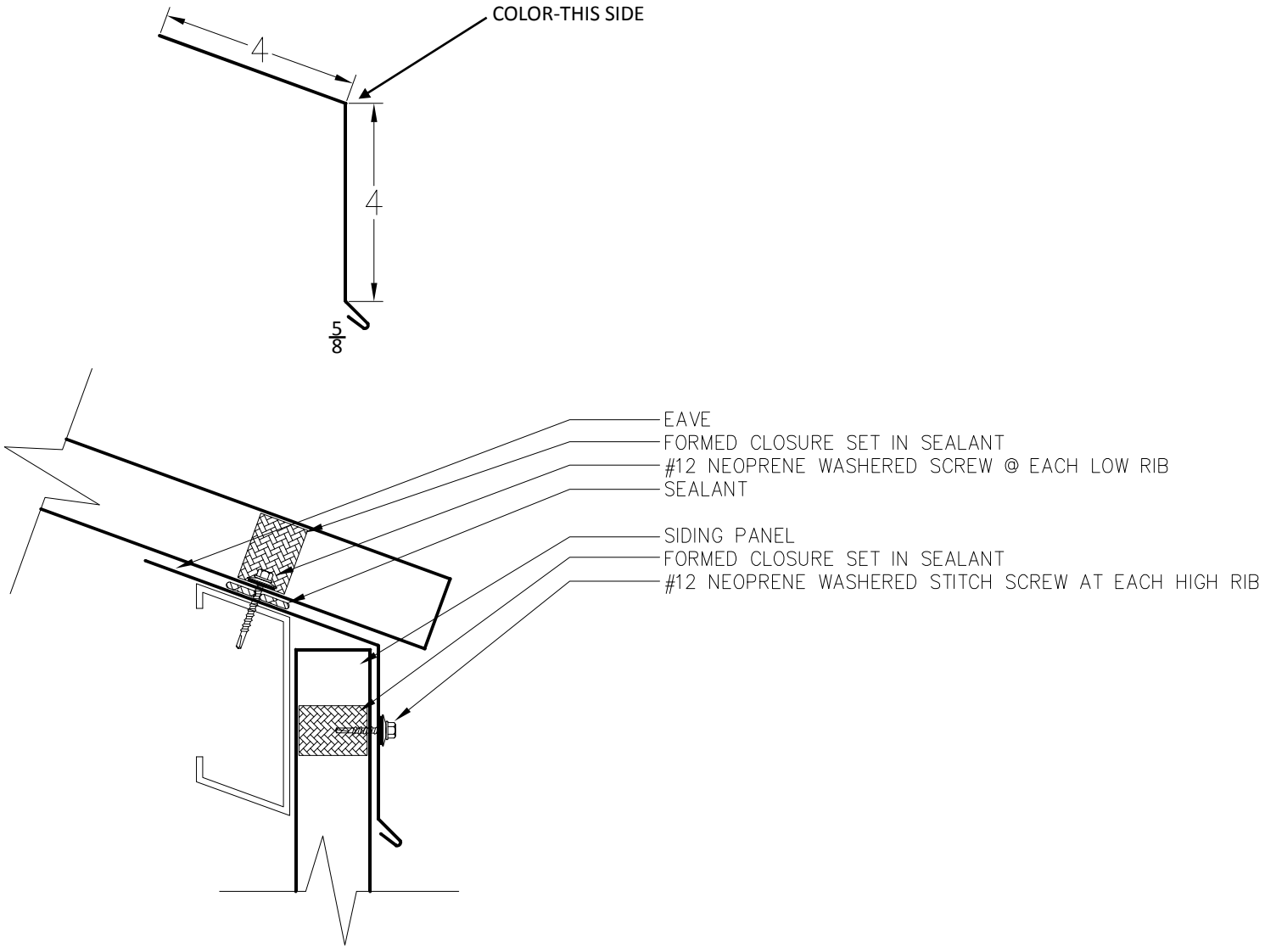
PART SHOWN: (.75VF) W-VALLEY



Exposed Fastener

Detail-Eave

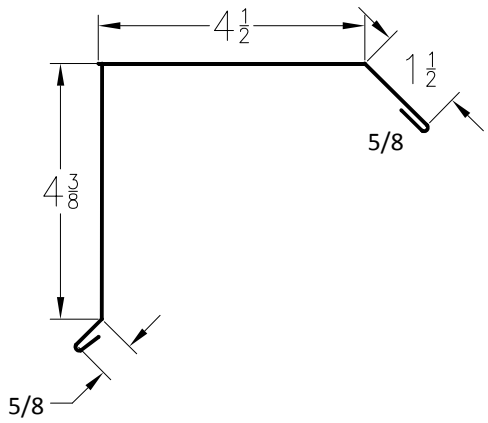
PART SHOWN: (HRES) EAVE

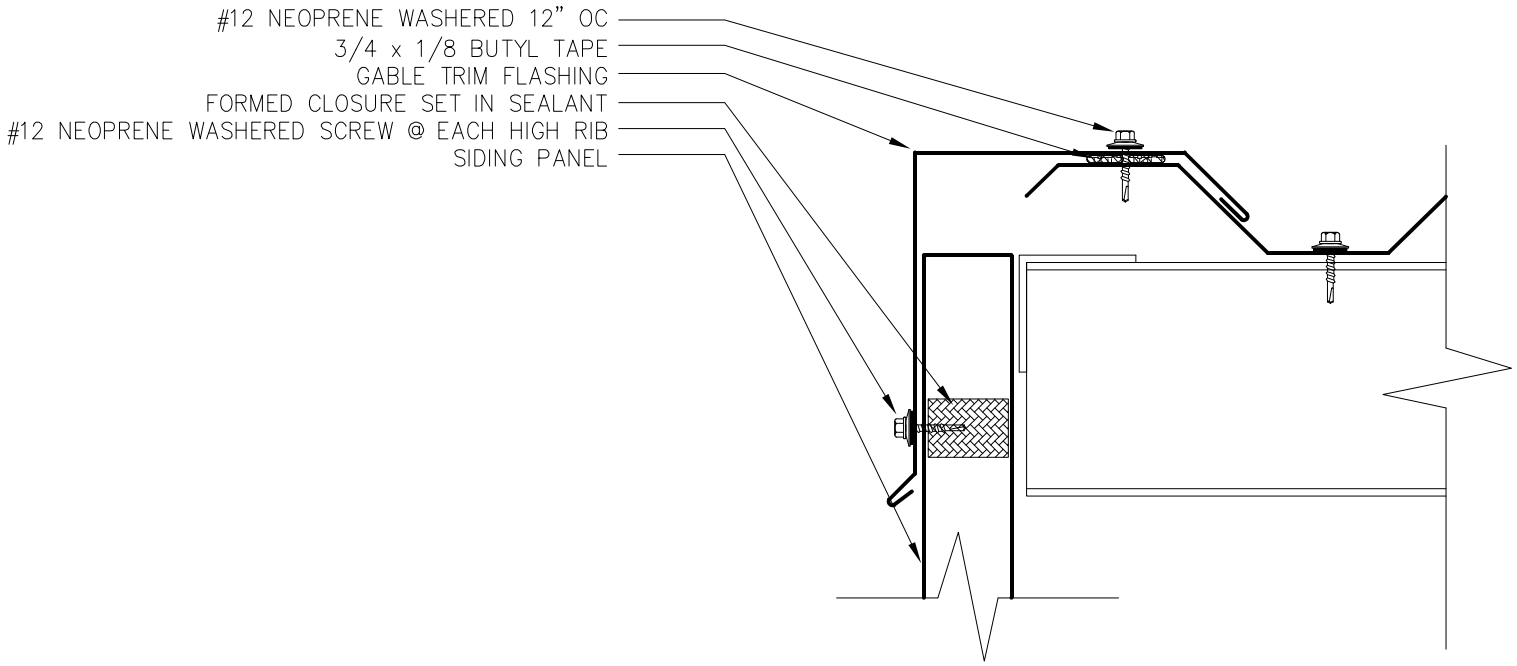


Exposed Fastener

Detail-Gable

PART SHOWN: (HRGS) HR GABLE

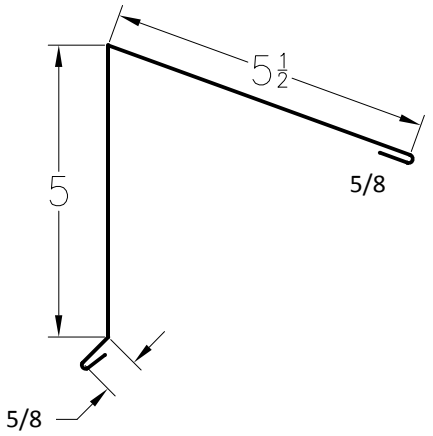


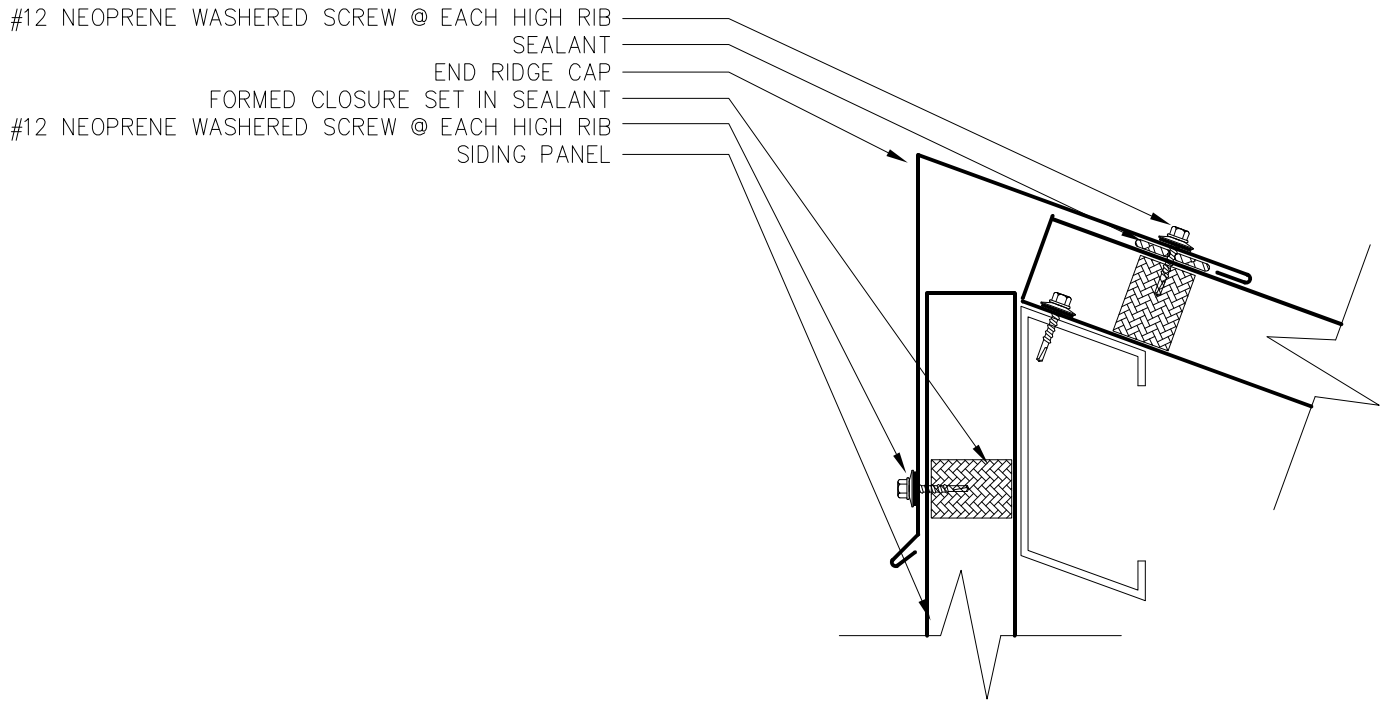


Exposed Fastener

Detail-Peak Cap

PART SHOWN: (.75RP) HR PEAK CAP

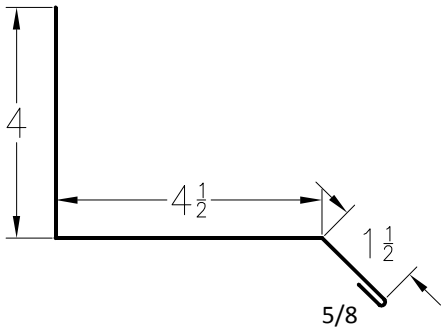


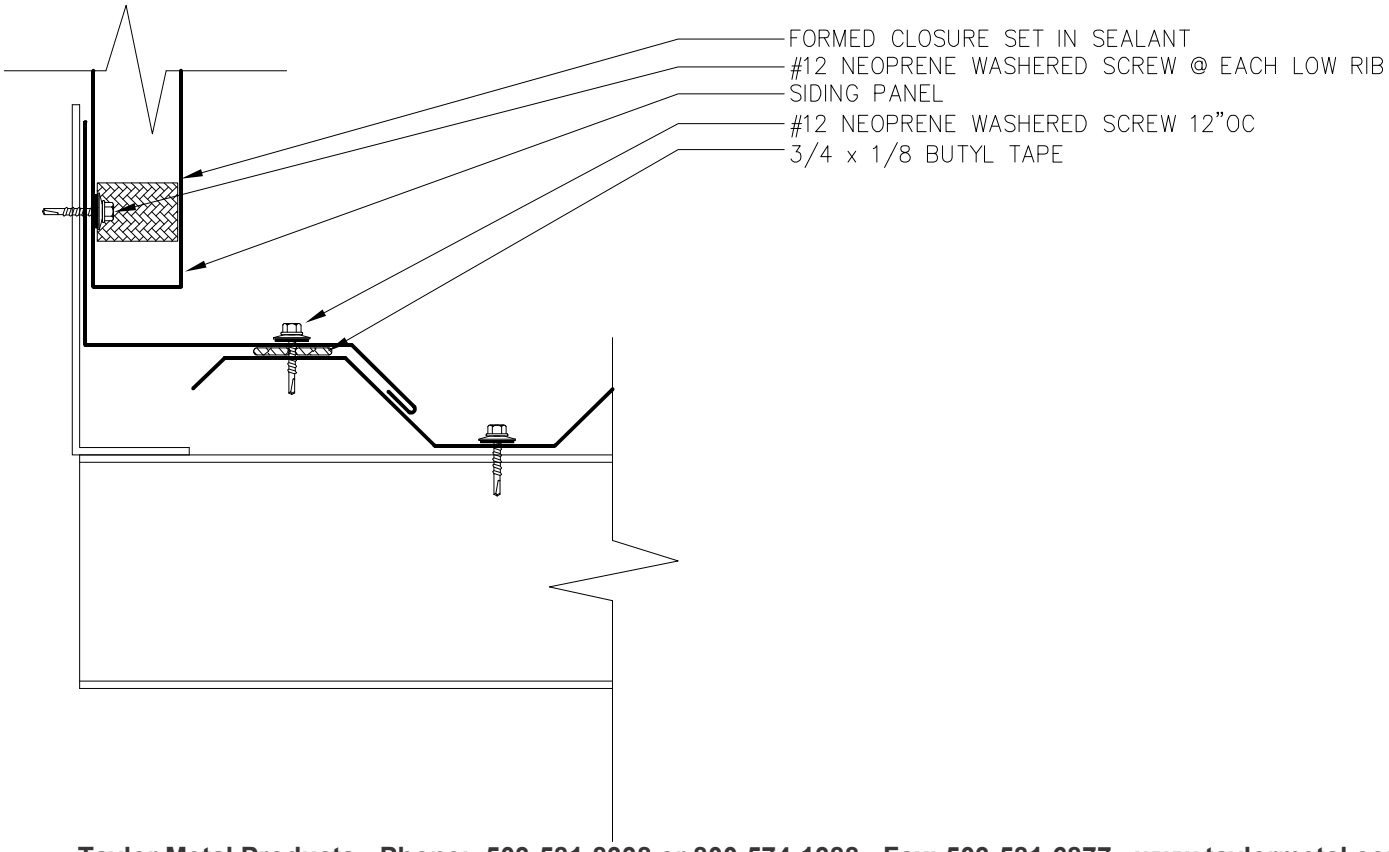


Exposed Fastener

Detail-Side Wall

PART SHOWN: (HRSW) SIDE WALL

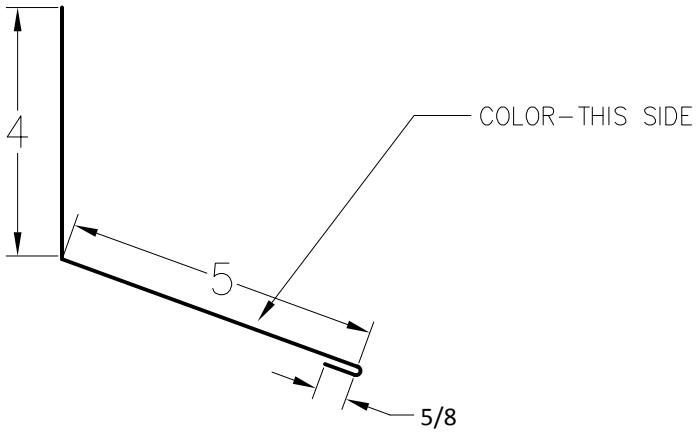


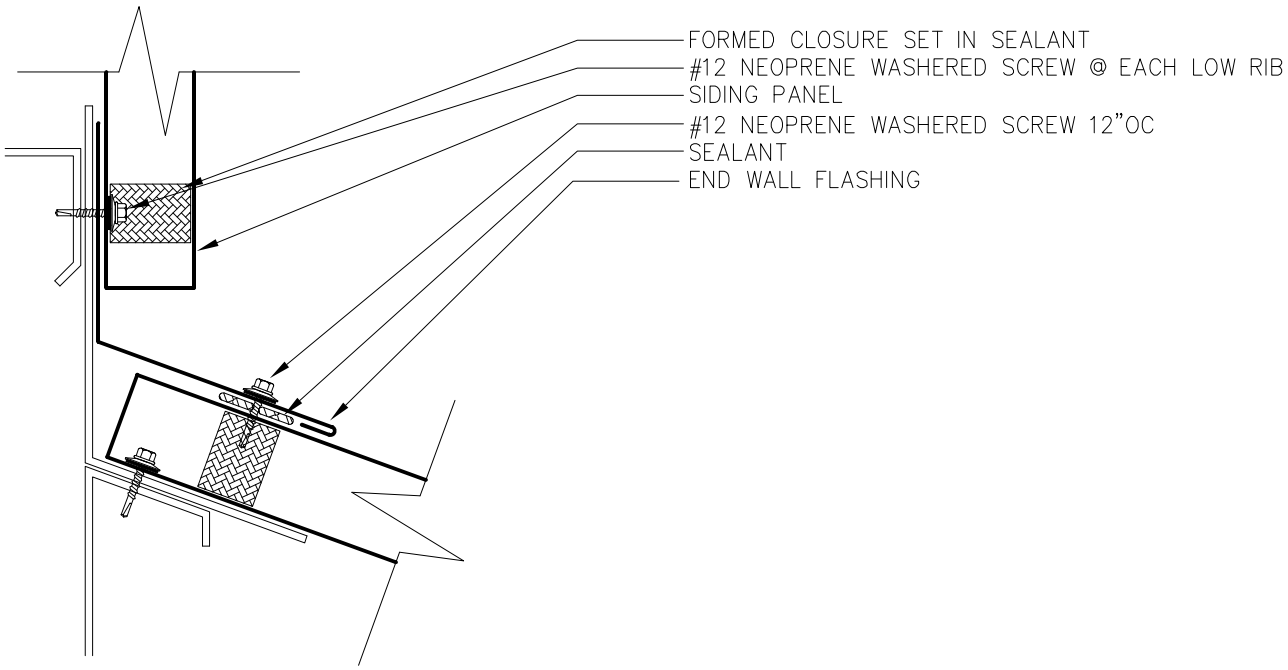


Exposed Fastener

Detail-End Wall

PART SHOWN: (CCEW) HR END WALL

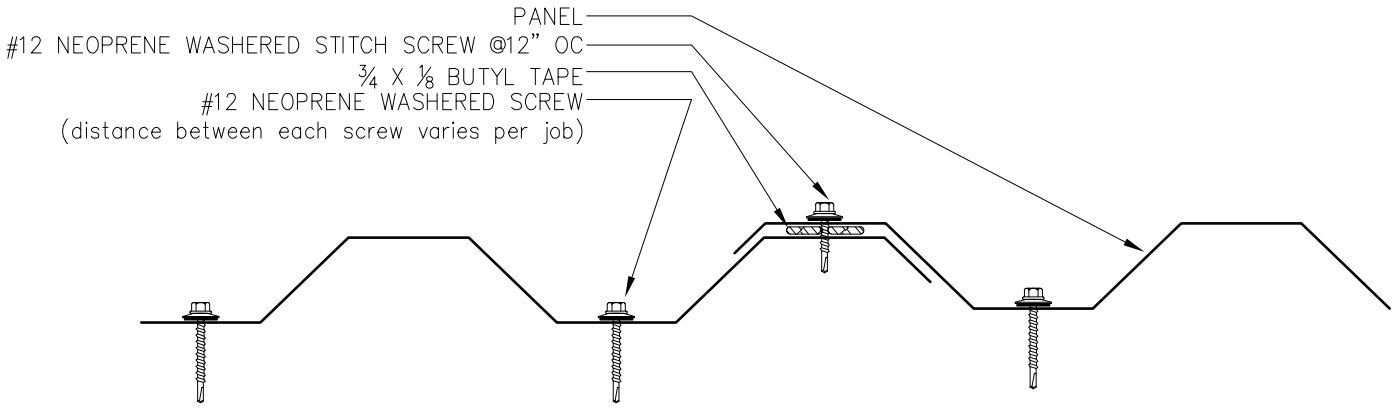




TAYLOR METAL PRODUCTS

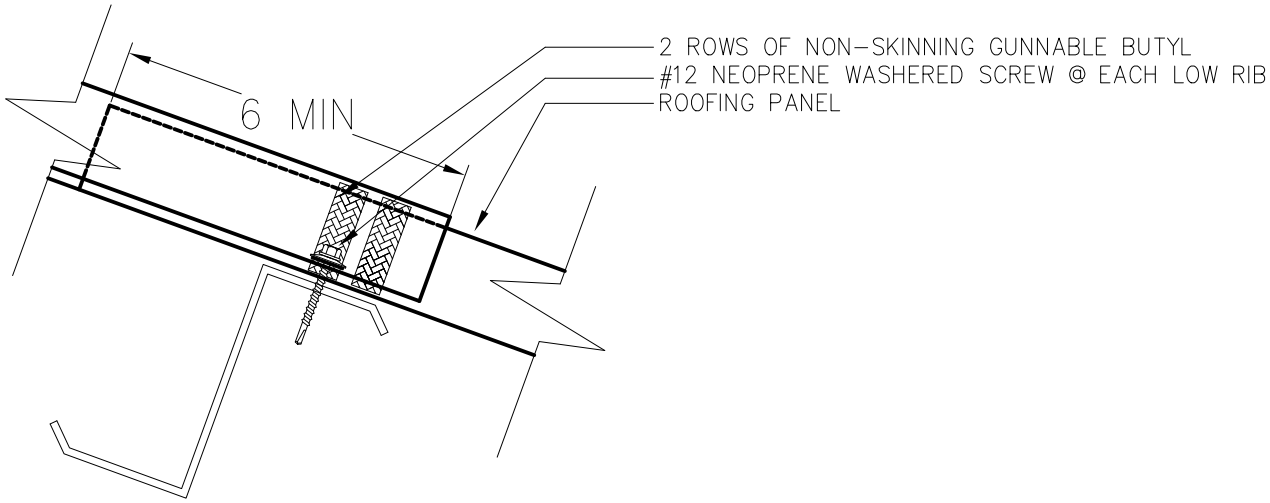
Exposed Fastener

Details-Panel Lap



Exposed Fastener

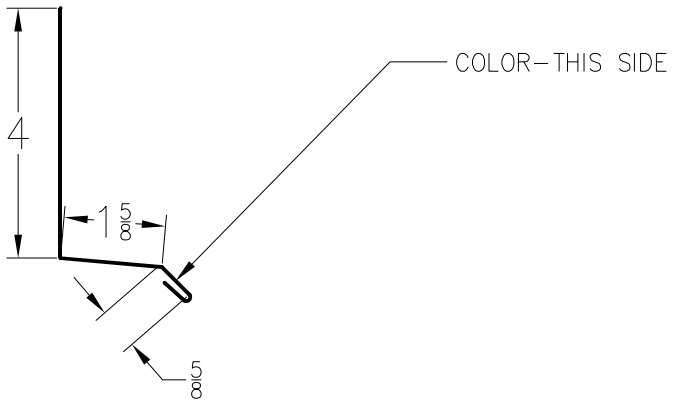
Details-Panel Lap

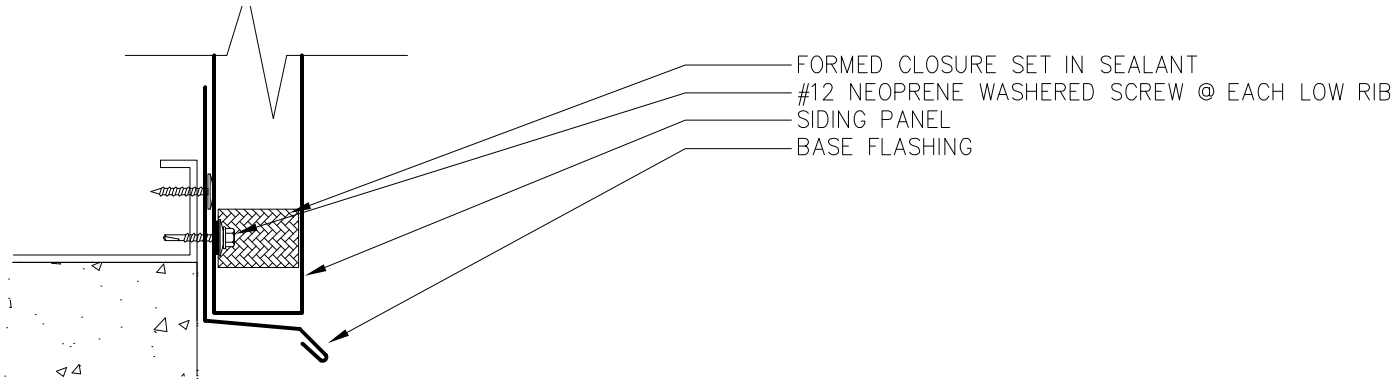


Exposed Fastener

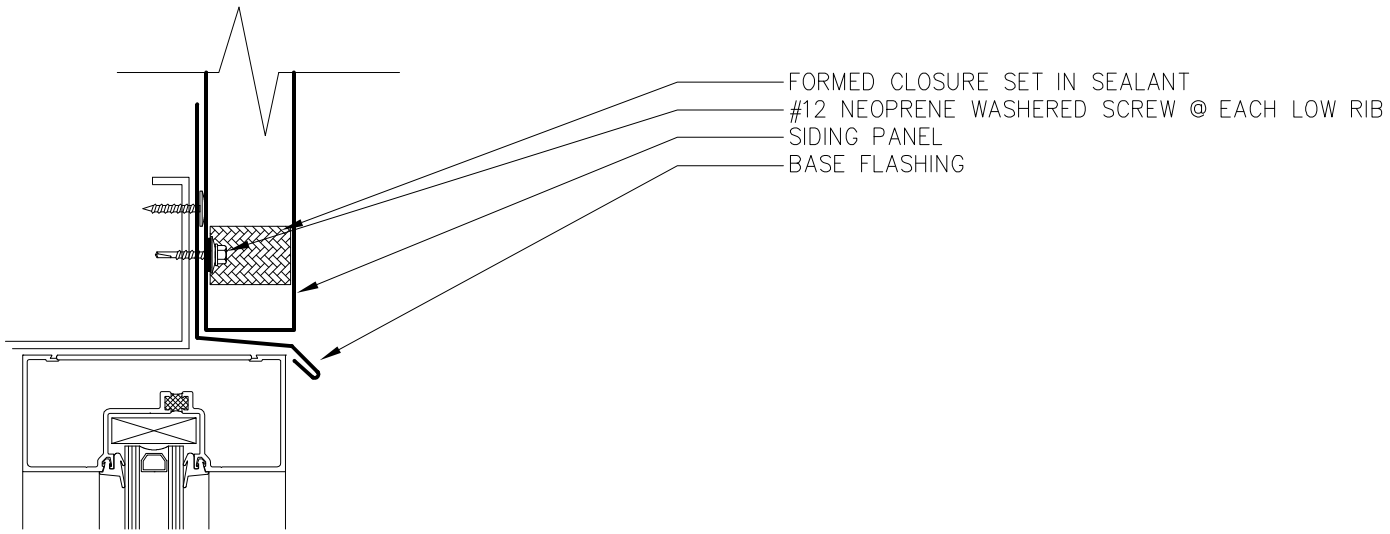
Detail-Base

PART SHOWN: (HRBF) BASE FLASHING



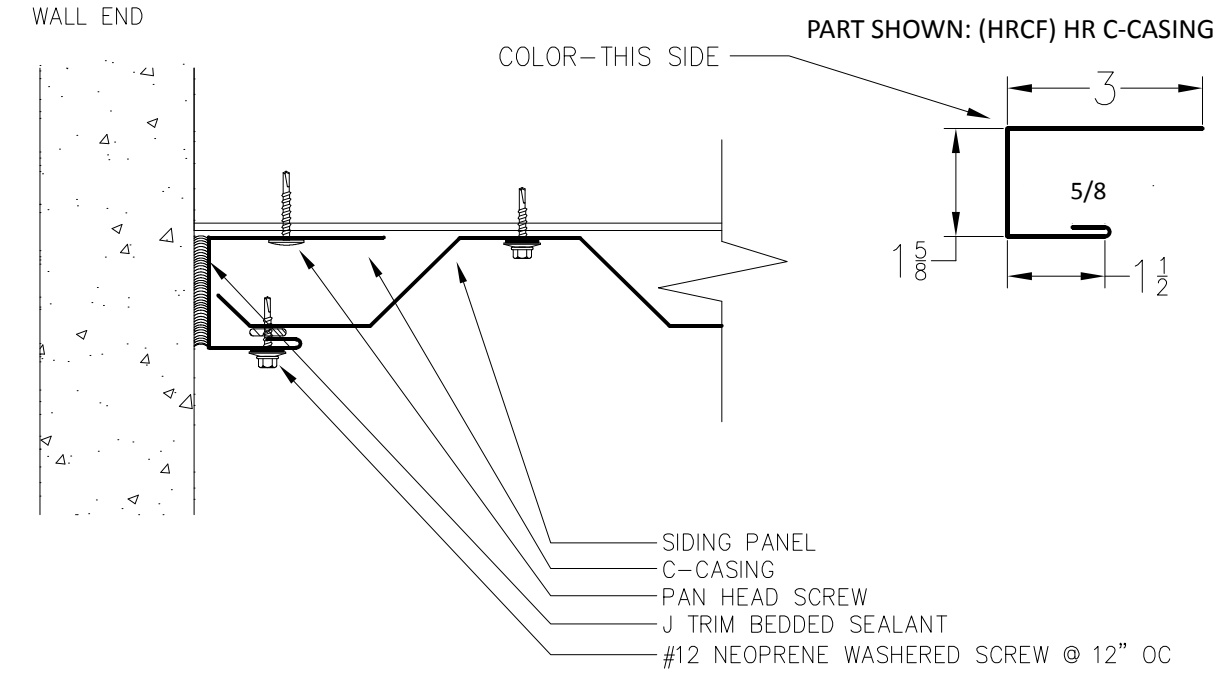


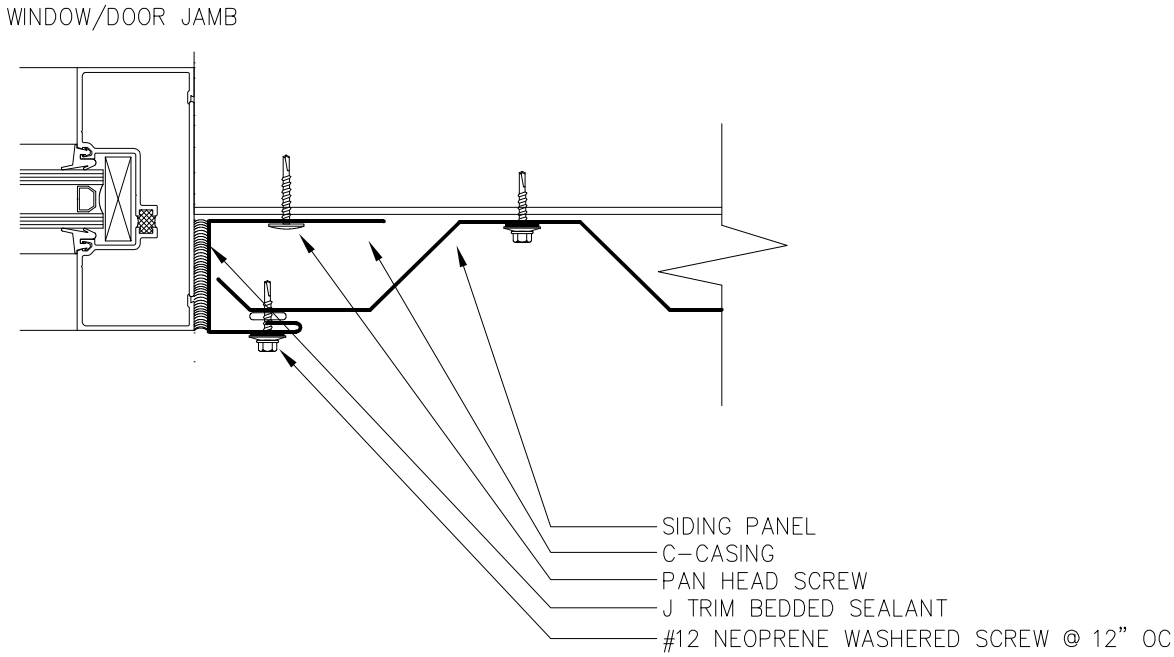
WINDOW/DOOR HEAD



Exposed Fastener

Detail-Wall/Jamb



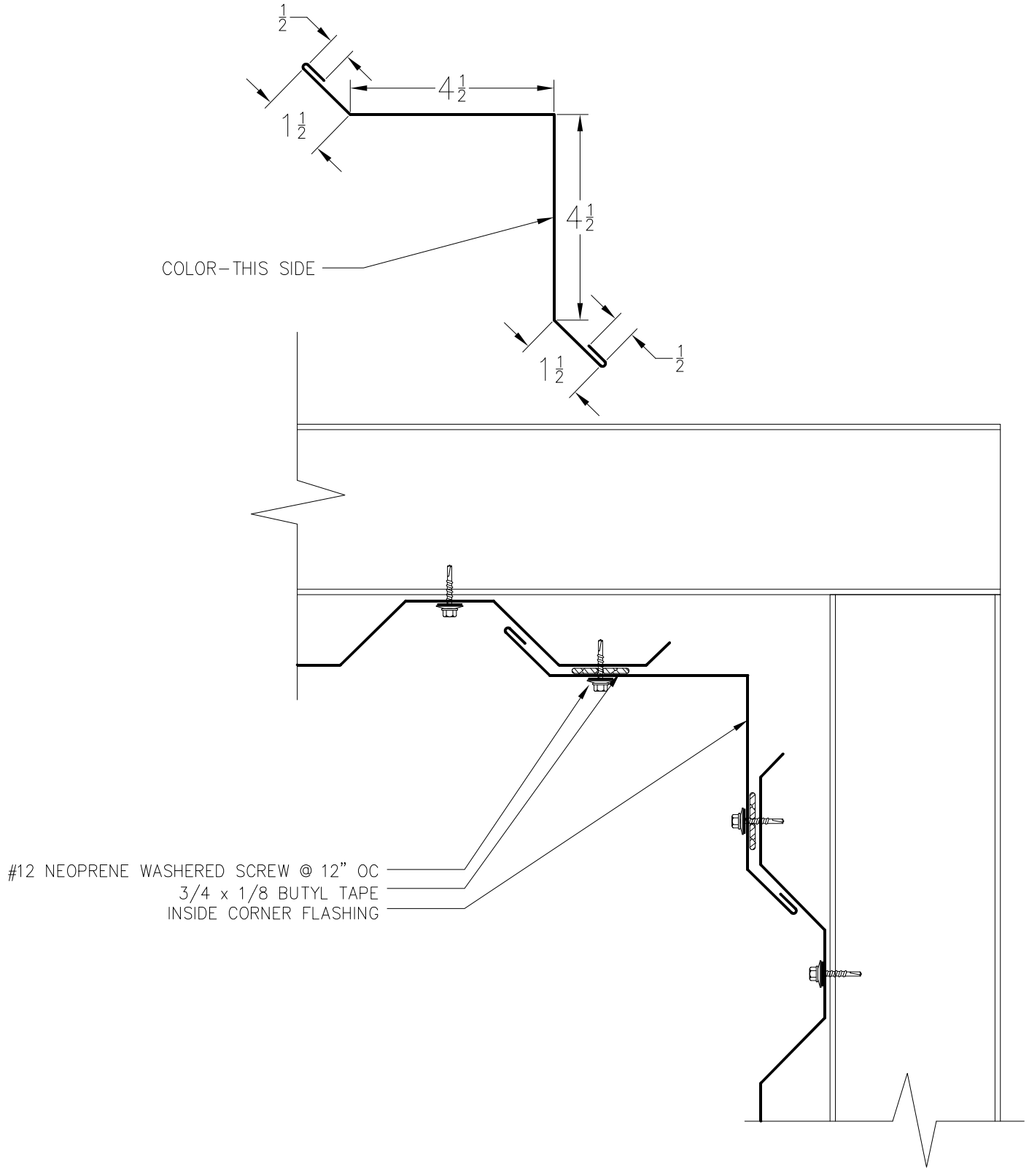


TAYLOR METAL PRODUCTS

Exposed Fastener

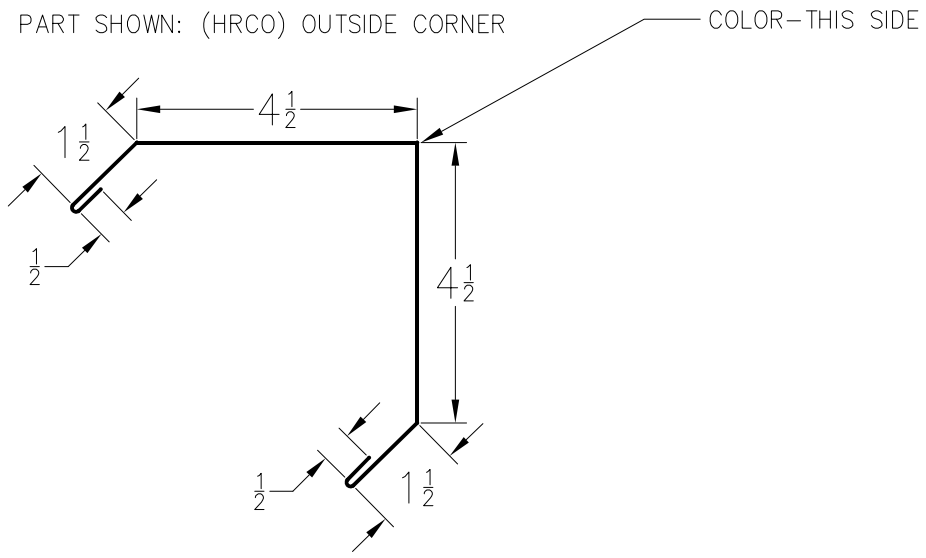
Detail-Inside Corner

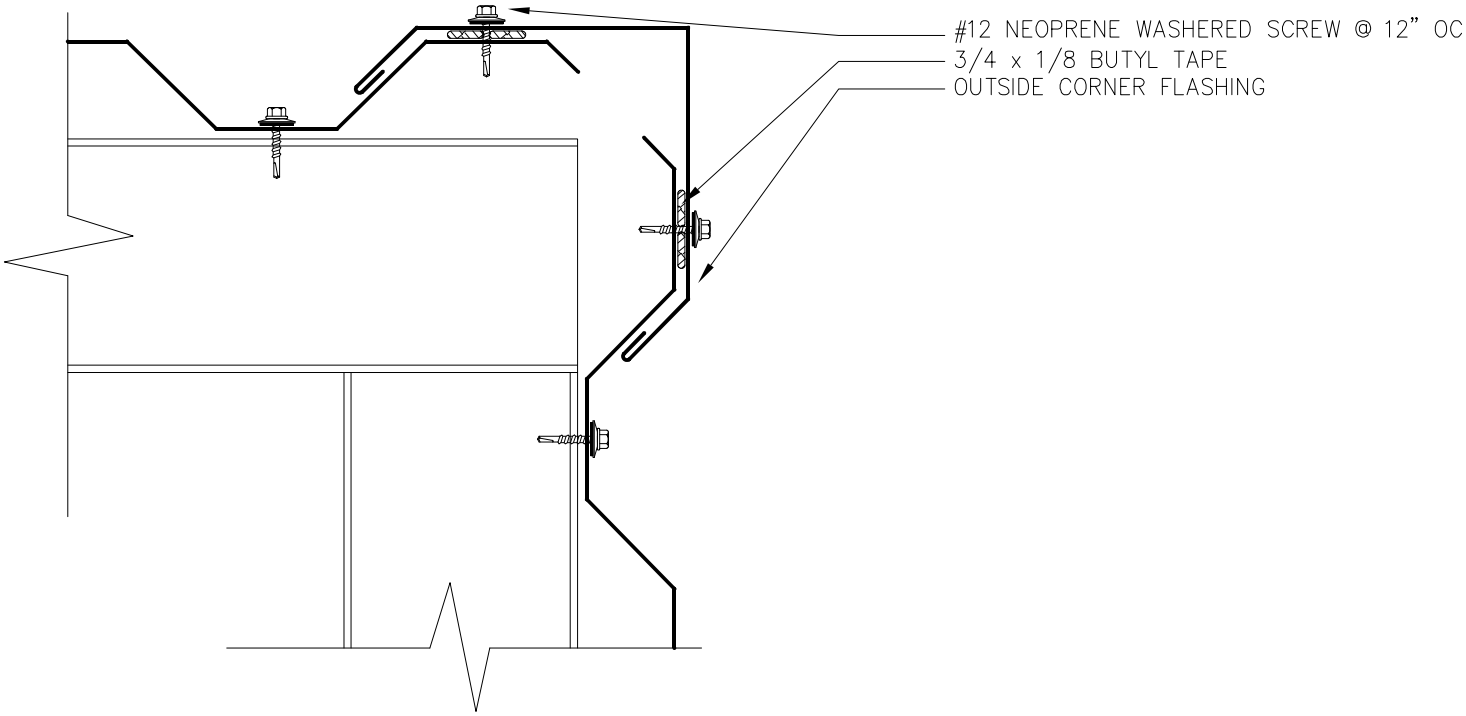
PART SHOWN: (HRIC) INSIDE CORNER



Exposed Fastener

Detail-Outside Corner

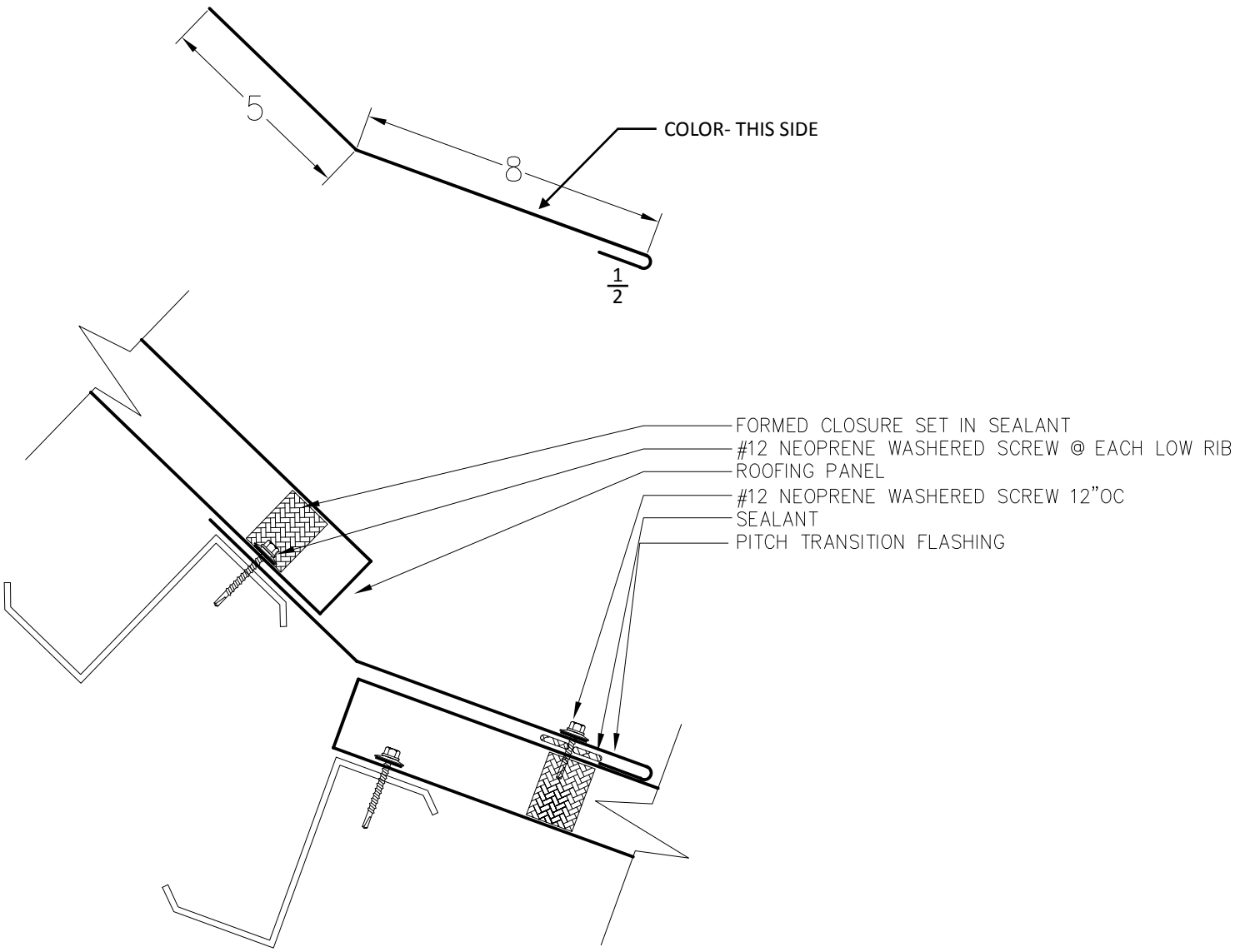




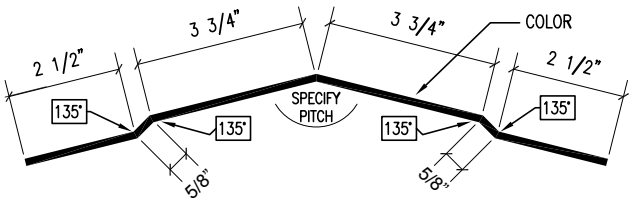
Exposed Fastener

Detail-Pitch Transition

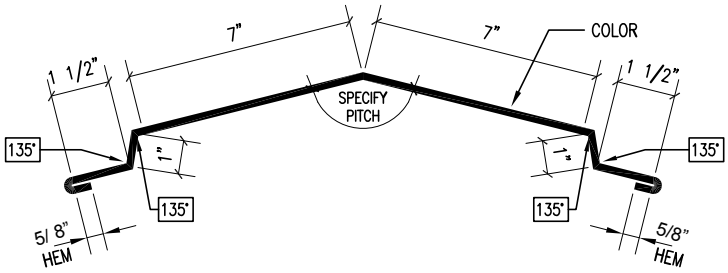
PART SHOWN: (.75PCI) PITCH BREAK INSIDE



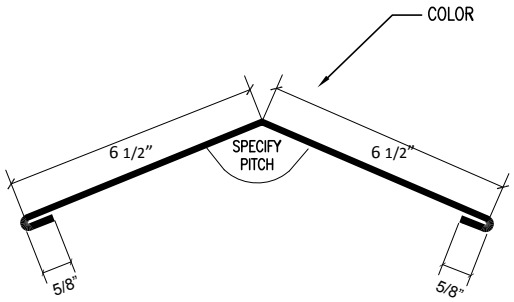
(.75 RS) Standard Ridge



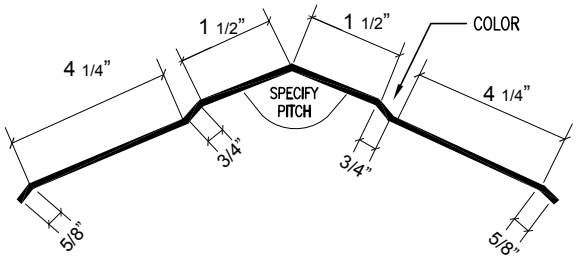
(.75 RVW) Vented/Wide Ridge



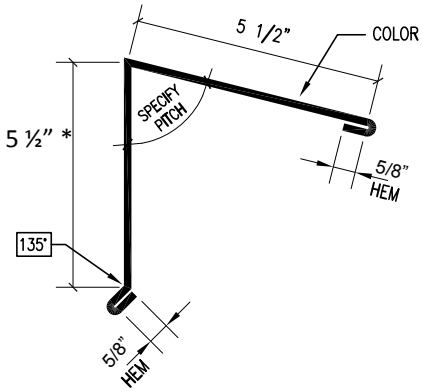
(.75 AGCR) Cabin Ridge



(.75 AGRS) Universal Ridge

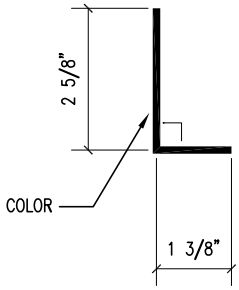


(.75 RP) Peak Cap



* Actual length varies based on pitch

(.75 DE) Door Edge



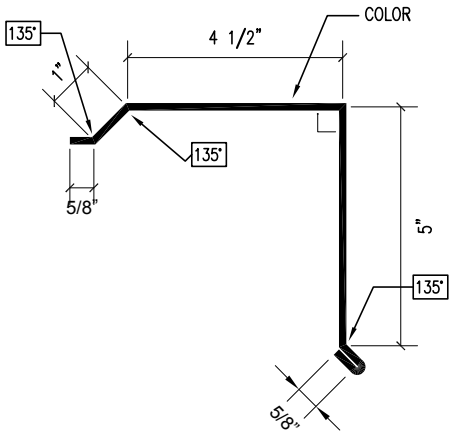
NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

TAYLOR METAL PRODUCTS

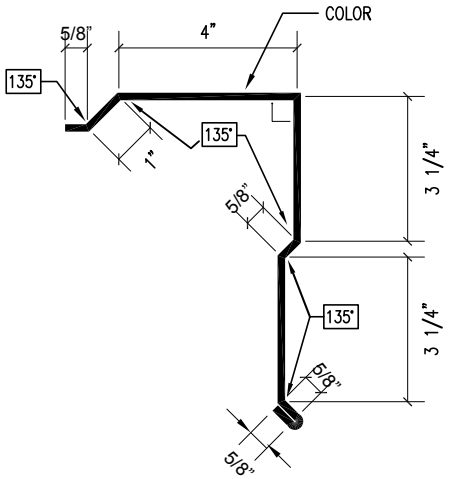
Exposed Fastener

Flashing:
Tuff Rib, T-3, GR7, GR5

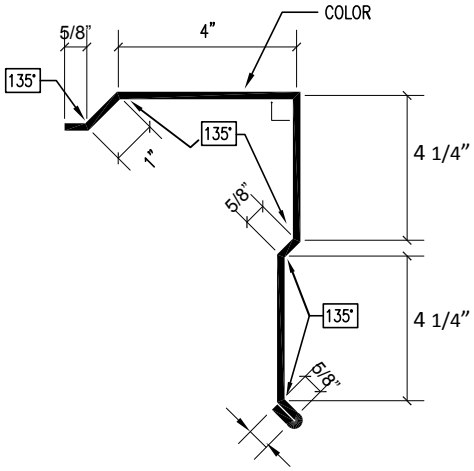
(.75 GS) Standard Gable



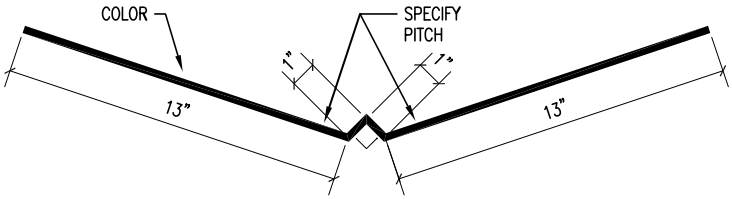
(.75 SG6) 2x6 Step Gable



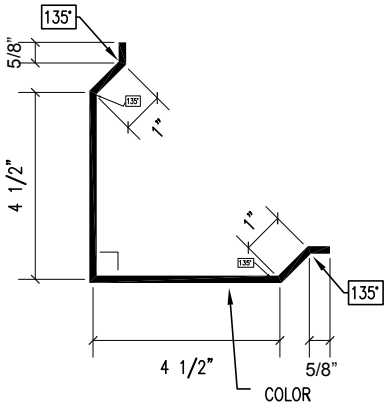
(.75 SG8) 2x8 Step Gable



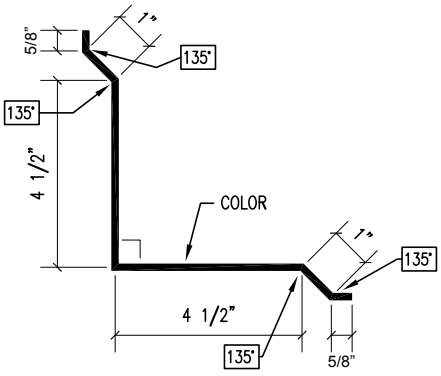
(.75 VF) 28" W-Valley



(.75 CO) Outside Corner



(.75 CI) Inside Corner



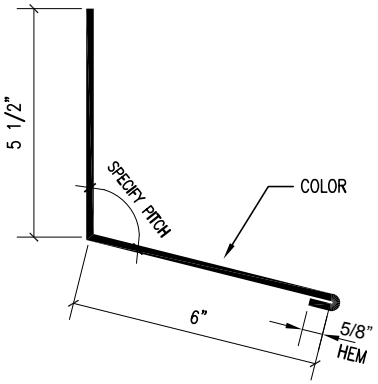
NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

TAYLOR METAL PRODUCTS

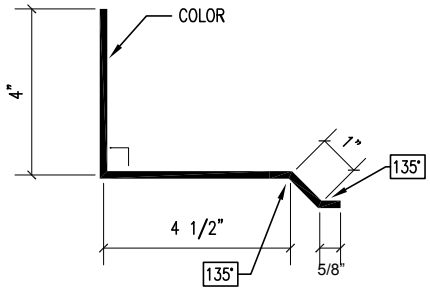
Exposed Fastener

Flashing:
Tuff Rib, T-3, GR7, GR5

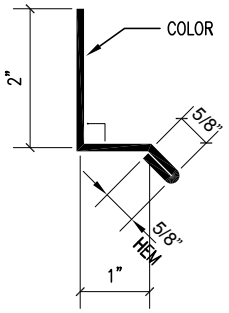
(.75 EW) Endwall



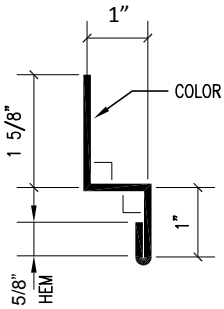
(.75 SW) Sidewall



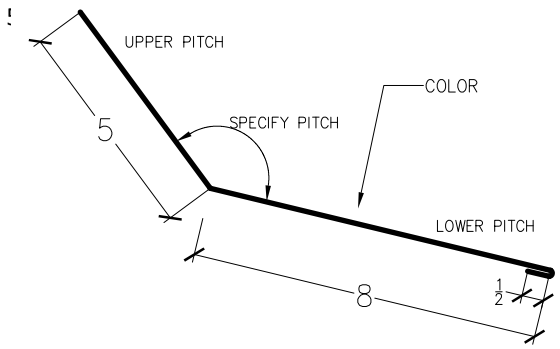
(.75 BF) Base Metal



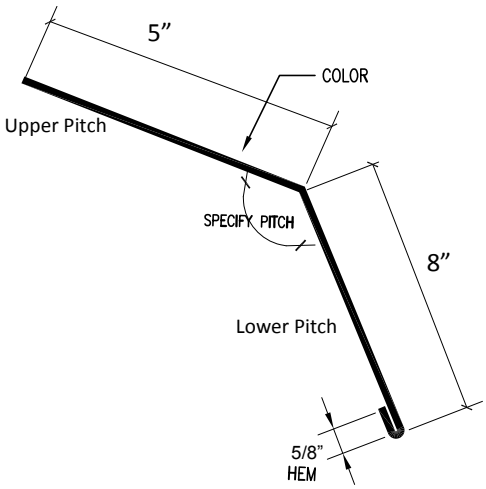
(.75 ZF) Z-Flashing



(.75 PCI) Pitch Break Inside



(.75 PCO) Pitch Break Outside



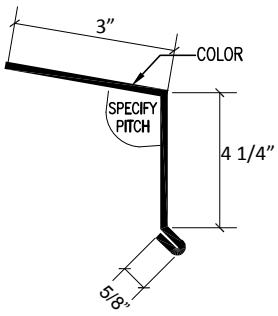
NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

TAYLOR METAL PRODUCTS

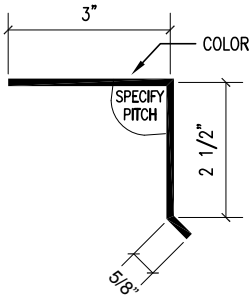
Exposed Fastener

Flashing:
Tuff Rib, T-3, GR7, GR5

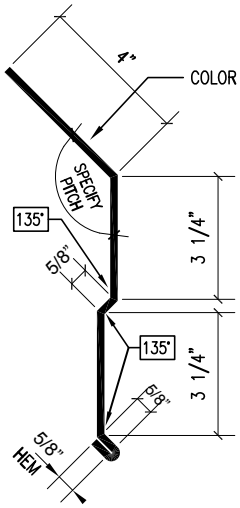
(.75 E4) 4 ” Eave



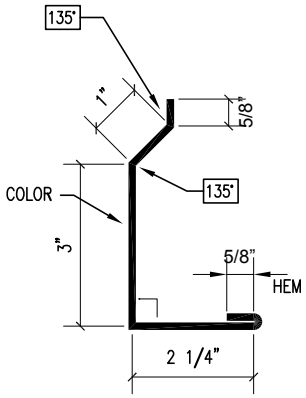
(.75 ES) Standard Eave



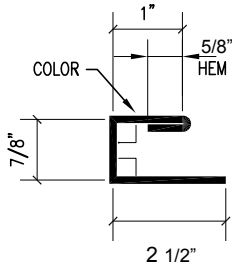
(.75 SE) Step Eave



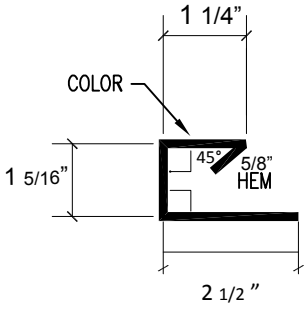
(.75 DRC) Door Rail Cover



(.75 CF) C-Casing



(VJT) Vertical Jamb Trim



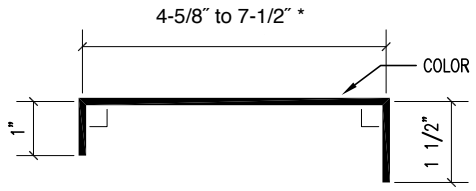
NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

TAYLOR METAL PRODUCTS

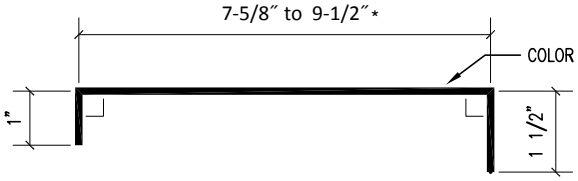
Exposed Fastener

Flashing:
Tuff Rib, T-3, GR7, GR5

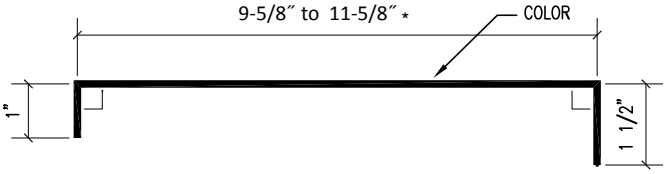
(DJ5) Door Jamb 4-5/8˝ to 7-1/2˝



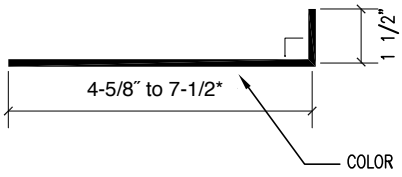
(DJ7) Door Jamb 7-5/8˝ to 9-1/2˝



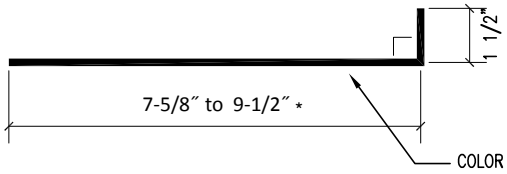
(DJ9) Door Jamb 9-5/8˝˝ to 11-5/8˝



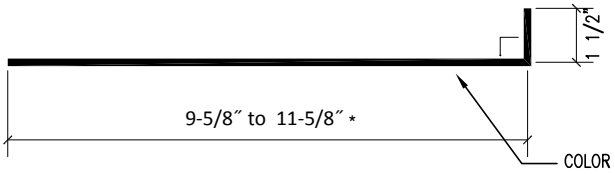
(OJ5) Door Jamb 4-5/8˝ to 7-1/2˝



(OJ7) Open Jamb 7-5/8˝ to 9-1/2˝



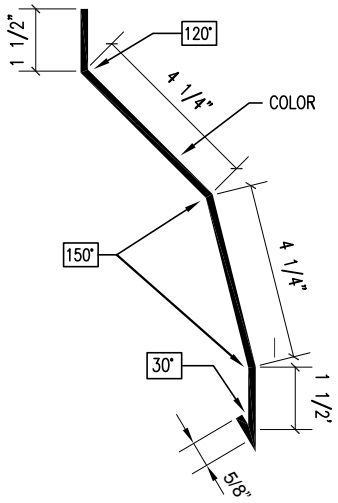
(OJ9) Open Jamb 9-5/8˝ to 11-5/8˝



*SPECIFY FACE SIZE

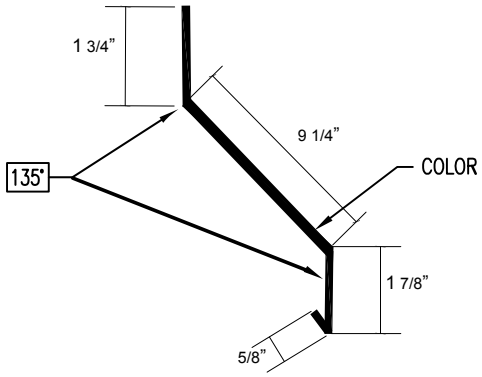
NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

(.75 TCS) Single Track



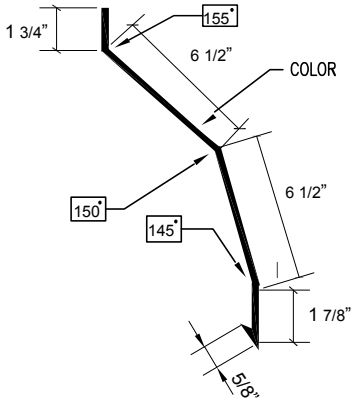
For Facemount Track

(.75 TCSCB) Single Track



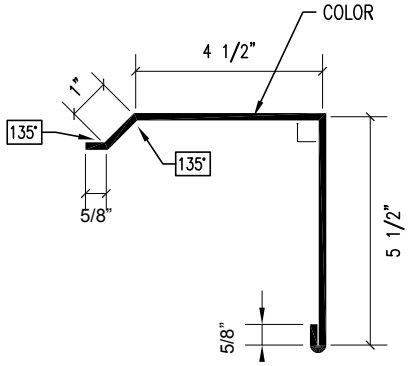
For Adjustable Studmount Brackets

(.75 TCDDB) Double Track



For Adjustable Studmount Brackets

(.75 DO) Door Opening



NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

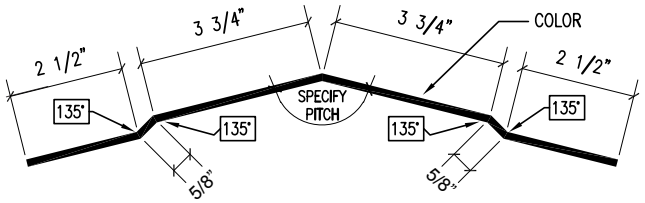
TAYLOR METAL PRODUCTS

Exposed Fastener

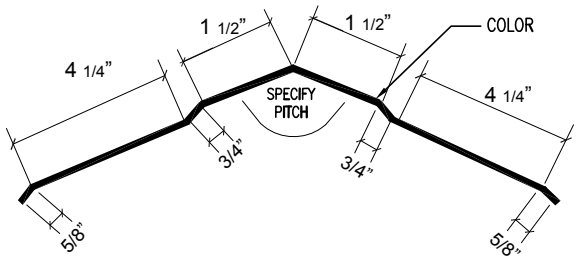
Flashing:

PBR Panel

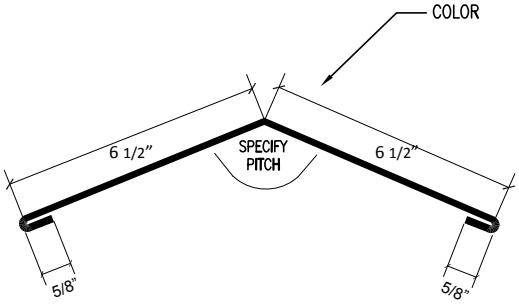
(.75 RS) Standard Ridge



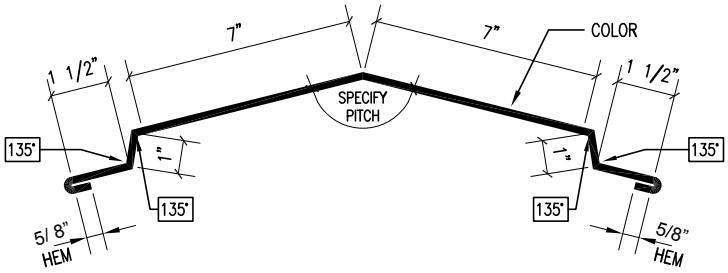
(AGRS) Universal Ridge



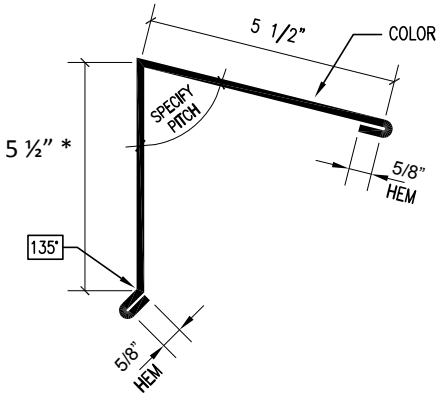
(AGCR) Cabin Ridge



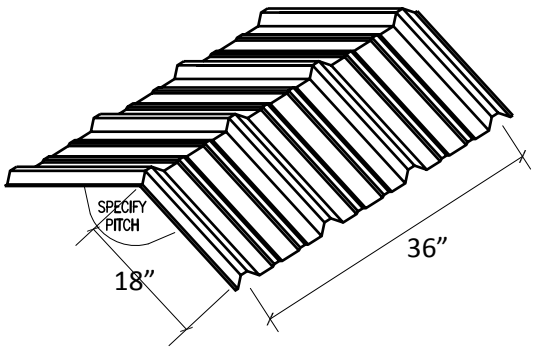
(.75 RVW) Vented/Wide Ridge



(.75 RP) Peak Cap



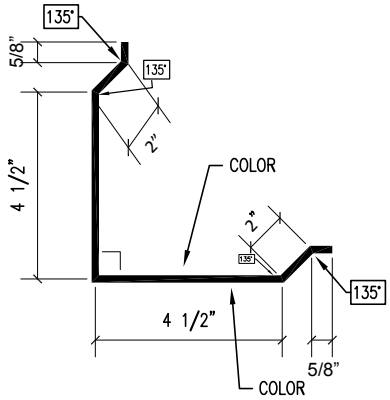
(TPBRFR) PBR Formed Ridge



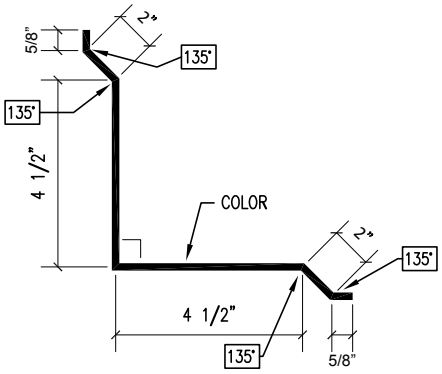
* Actual length varies based on pitch

NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

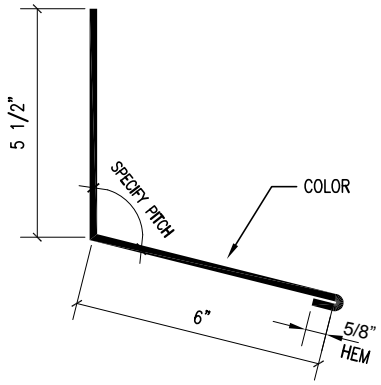
(PBRCO) PBR Outside Corner



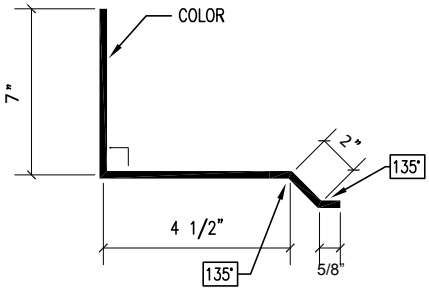
(PBRCI) PBR Inside Corner



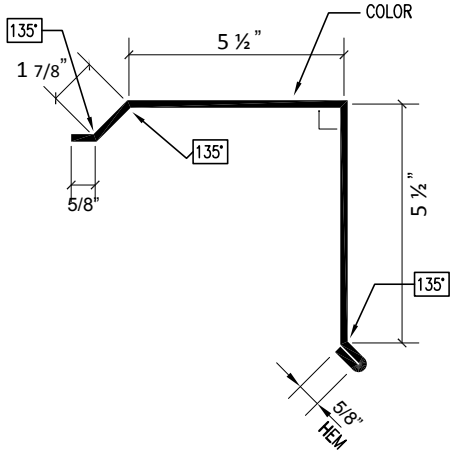
(.75 EW) Endwall



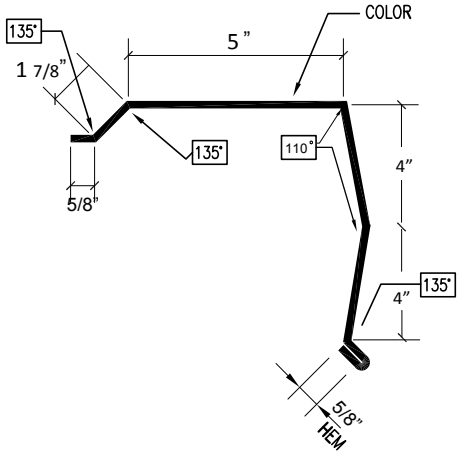
(PBRSW) PBR Sidewall



(PBRGS) PBR Gable

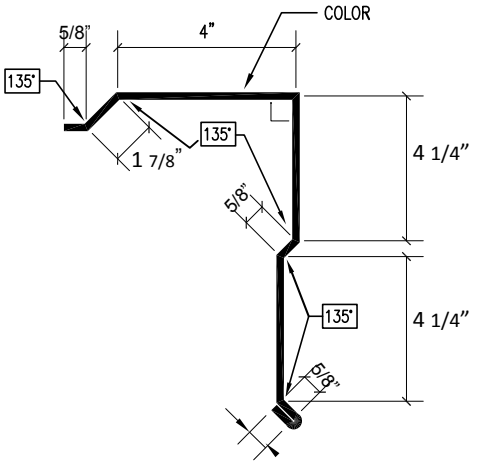


(PBRGBN) PBR Bull Nose Gable

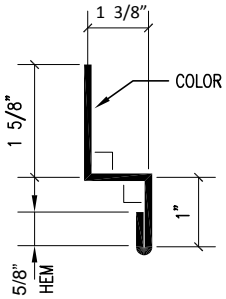


NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

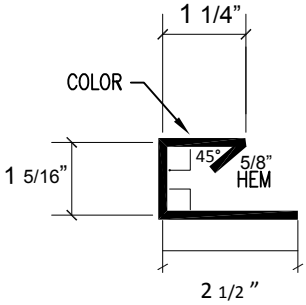
(PBRSG) PBR Step Gable



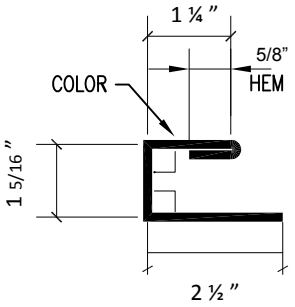
(PBRZF) PBR Z-Flashing



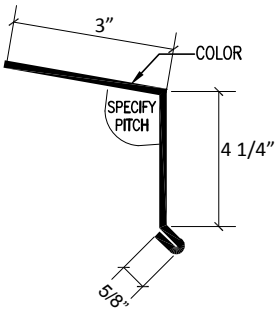
(VJT) Vertical Jamb Trim



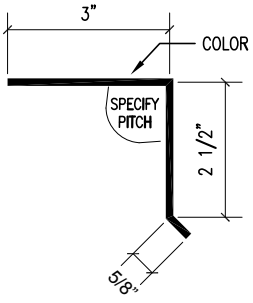
(PBRCF) PBR C-Casing



(.75 E4) 4 " Eave

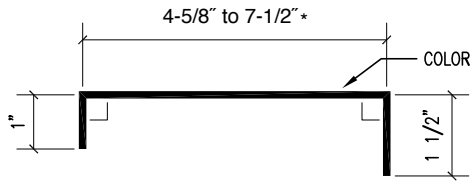


(.75 ES) Standard Eave

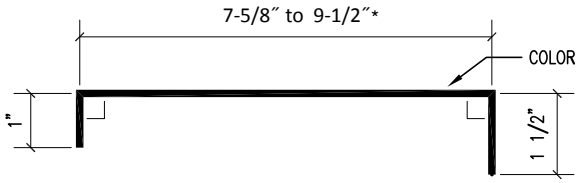


NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

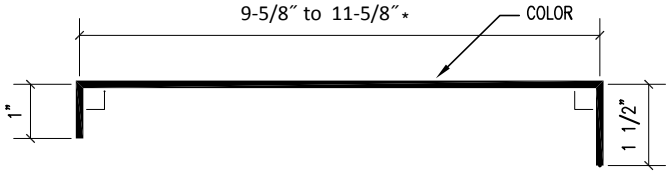
(DJ5) Door Jamb 4-5/8˝ to 7-1/2˝



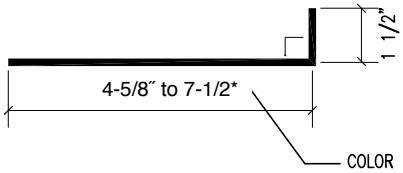
(DJ7) Door Jamb 7-5/8˝ to 9-1/2˝



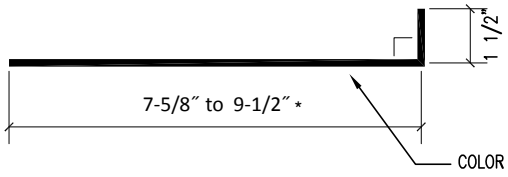
(DJ9) Door Jamb 9-5/8˝˝ to 11-5/8˝



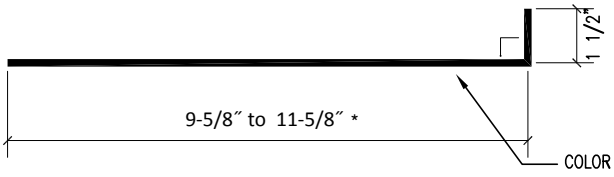
(OJ5) Door Jamb 4-5/8˝ to 7-1/2˝



(OJ7) Open Jamb 7-5/8˝ to 9-1/2˝



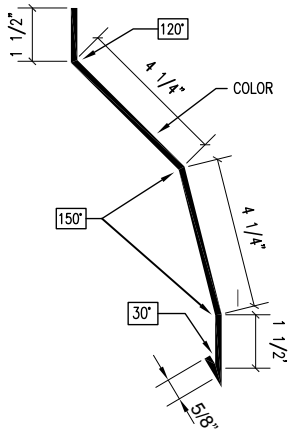
(OJ9) Open Jamb 9-5/8˝ to 11-5/8˝



*SPECIFY FACE SIZE

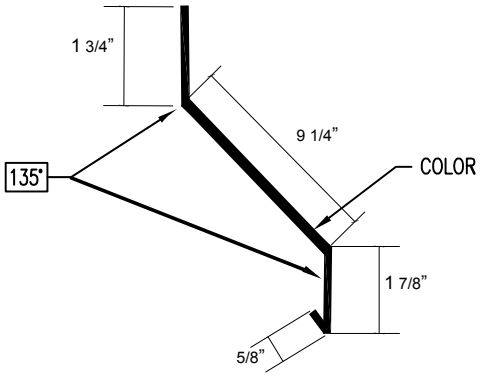
NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

(.75 TCS) Single Track



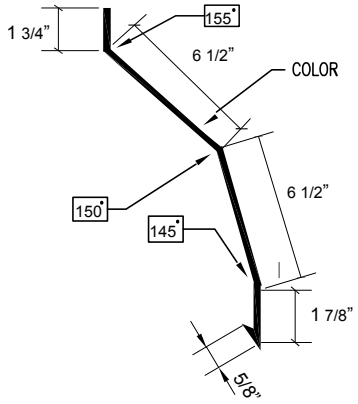
For Facemount Track

(.75 TCSCB) Single Track



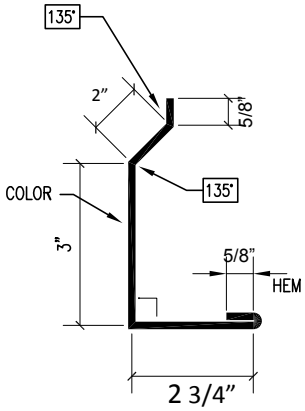
For Adjustable Studmount Brackets

(.75 TCDDB) Double Track

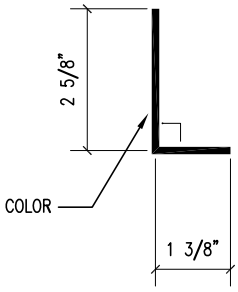


For Adjustable Studmount Brackets

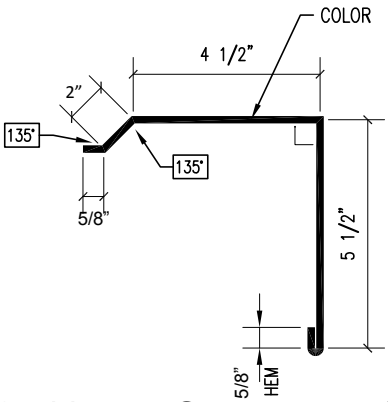
(PBRDRC) Door Rail Cover



(.75 DE) Door Edge

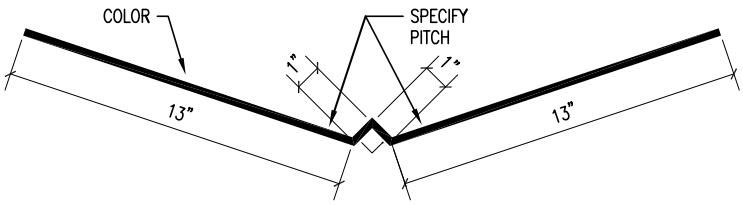


(PBRDO) Door Opening Trim

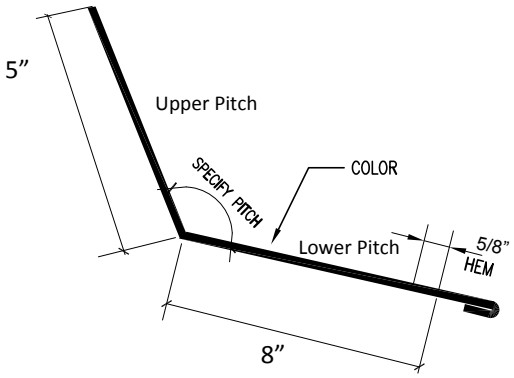


NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

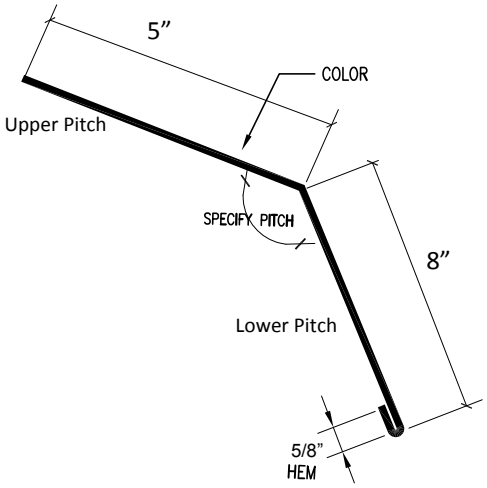
(.75 VF) W-Valley



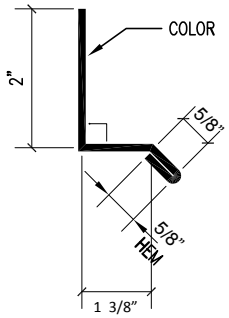
(.75 PCI) Pitch Break Inside



(.75 PCO) Pitch Break Outside



(PBRBF) PBR Base Metal



NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

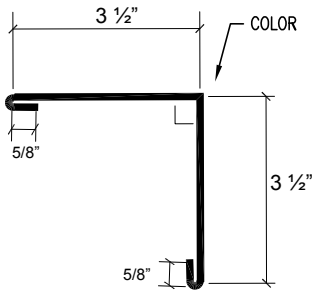
TAYLOR METAL PRODUCTS

Exposed Fastener

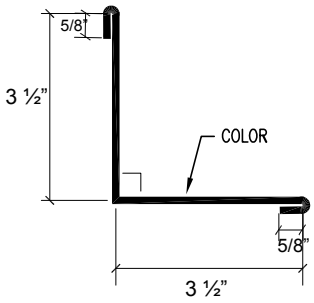
Flashing:

2-1/2˝ Corrugated

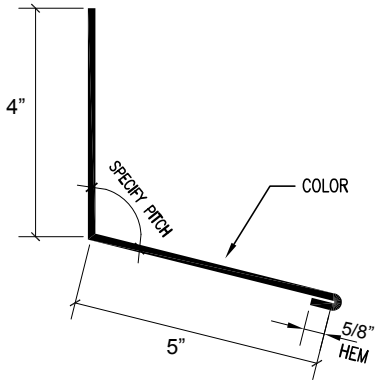
(CCCO) Corrugated Outside Corner



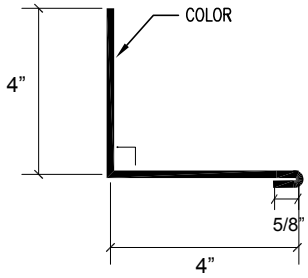
(CCCI) Corrugated Inside Corner



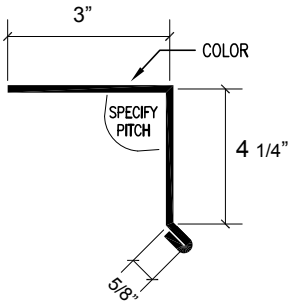
(CCEW) Corrugated Endwall



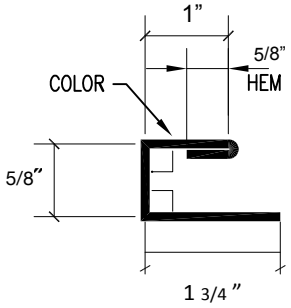
(CCSW) Corrugated Sidewall



(.75 E4) 4 ” Eave



(CCCF) Corrugated C-Casing



NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

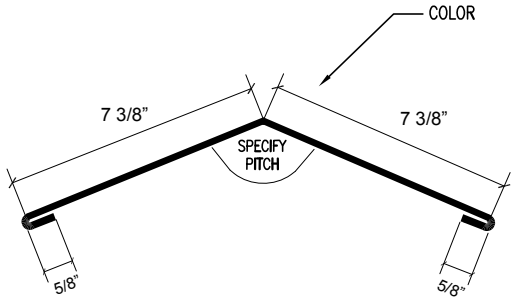
TAYLOR METAL PRODUCTS

Exposed Fastener

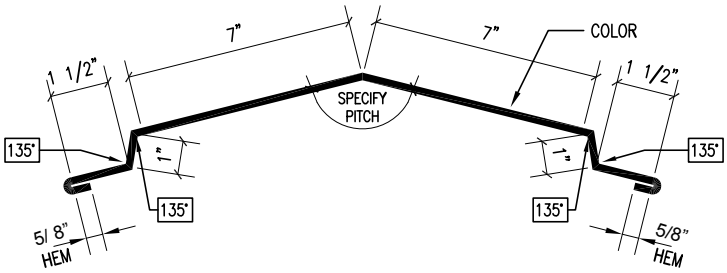
Flashing:

2-1/2˝ Corrugated

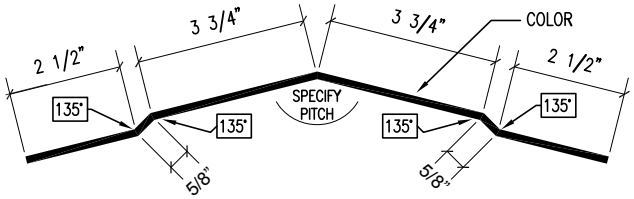
(CCCR) Corrugated Ridge



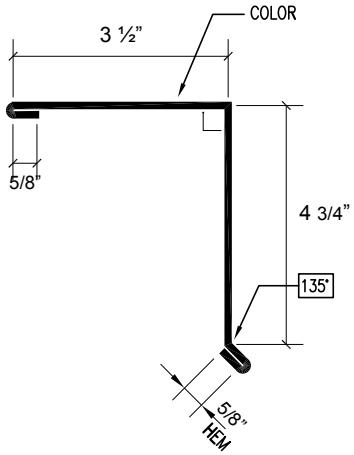
(RVW) Vented/Wide Ridge



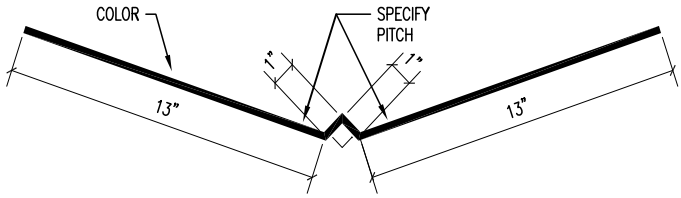
(.75 RS) Standard Ridge



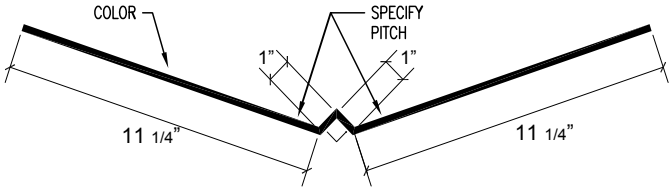
(CCGS) Corrugated Gable



(VF) 28" W-Valley



(CCVF) Corrugated W-Valley



NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

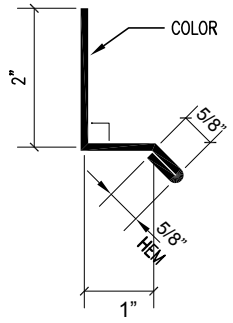
TAYLOR METAL PRODUCTS

Exposed Fastener

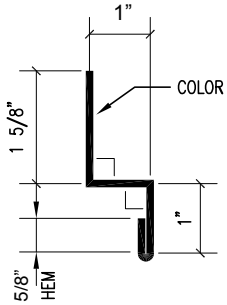
Flashing:

2-1/2˝ Corrugated

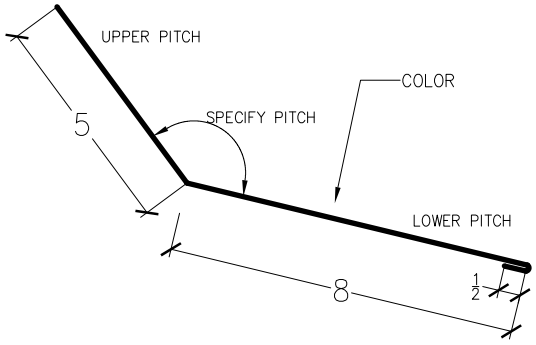
(CCBF) Corrugated Base Metal



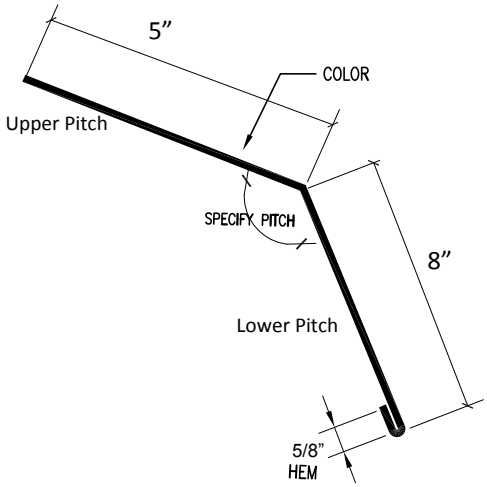
(CCZF) Corrugated Z-Flashing



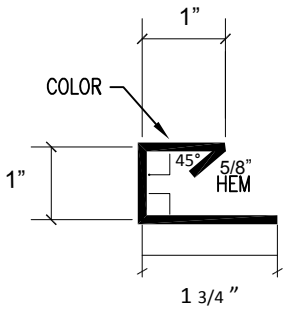
(.75 PCI) Pitch Break Inside



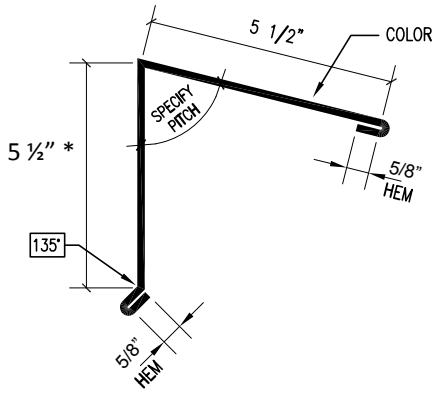
(.75 PCO) Pitch Break Outside



(VJT) Vertical Jamb Trim



(.75 RP) Peak Cap



* Actual length varies based on pitch

NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

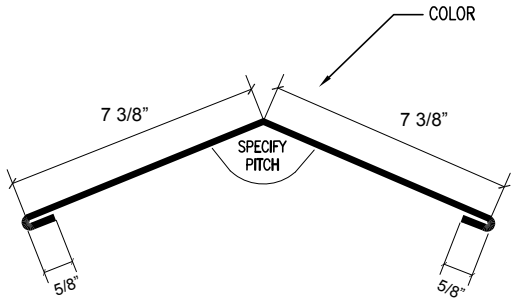
TAYLOR METAL PRODUCTS

Exposed Fastener

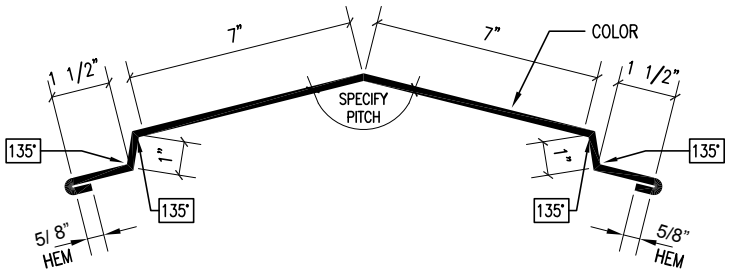
Flashing:

7/8˝ Classic Corrugated

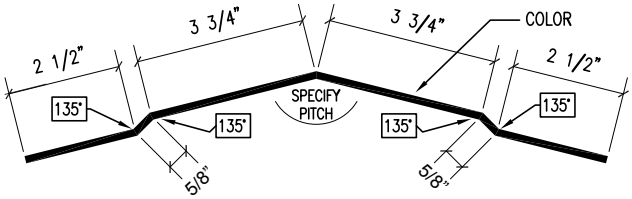
(CCCR) Classic Corrugated Ridge



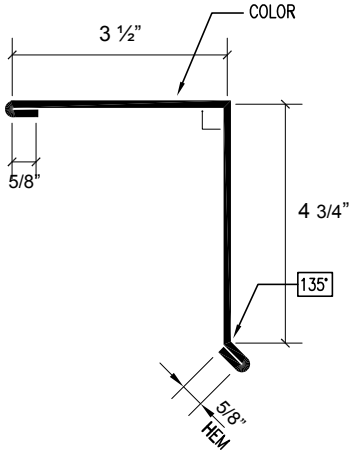
(RVW) Vented/Wide Ridge



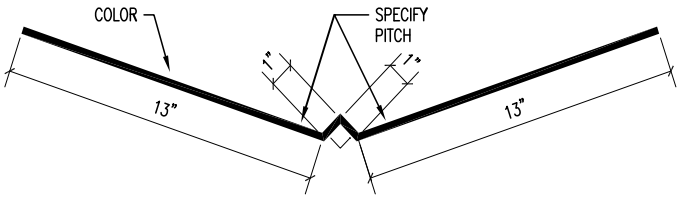
(.75 RS) Standard Ridge



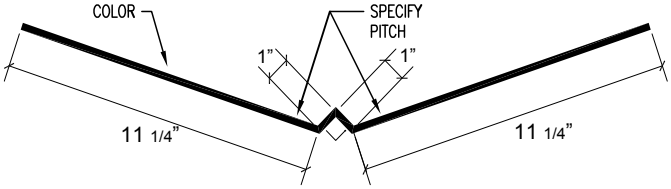
(CCGS) Classic Corrugated Gable



(VF) 28" W-Valley

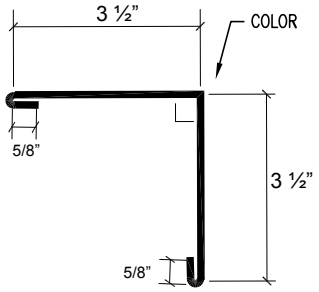


(CCVF) Classic Corrugated W-Valley

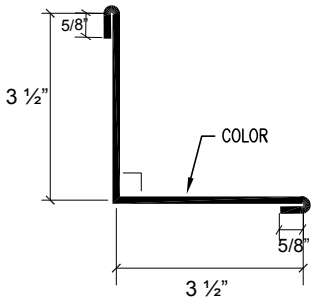


NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

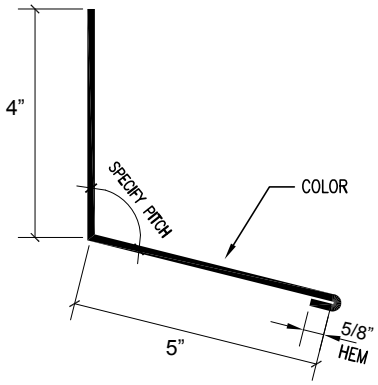
(CCCO) Classic Corrugated Outside Corner



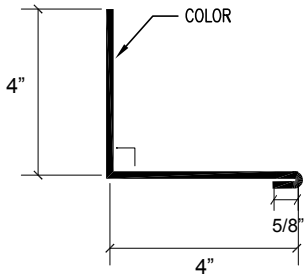
(CCCI) Classic Corrugated Inside Corner



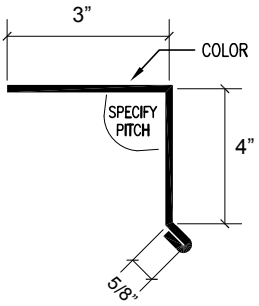
(CCEW) Classic Corrugated Endwall



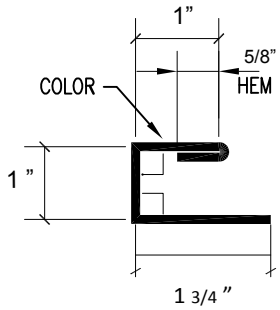
(CCSW) Classic Corrugated Sidewall



(CCES) Classic Corrugated Eave

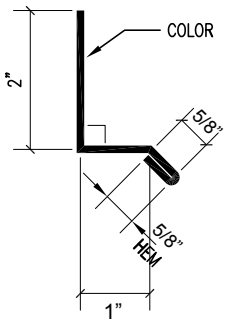


(CCCF) Classic Corrugated C-Casing

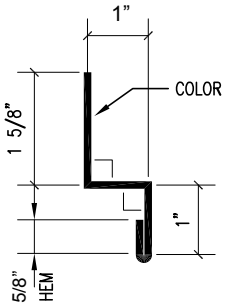


NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

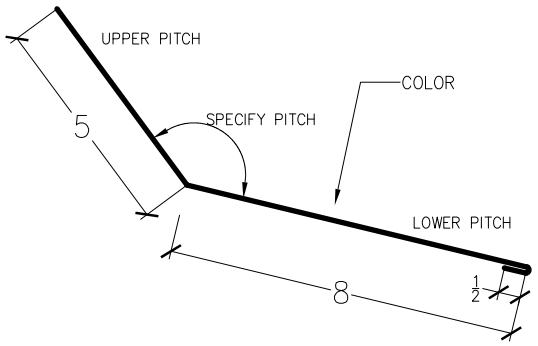
(CCBF) Classic Corrugated Base Metal



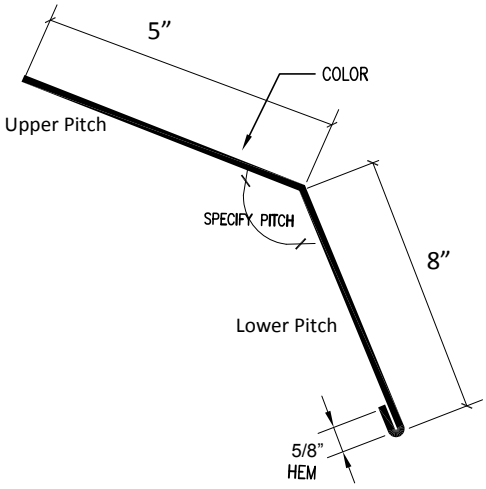
(CCZF) Classic Corrugated Z-Flashing



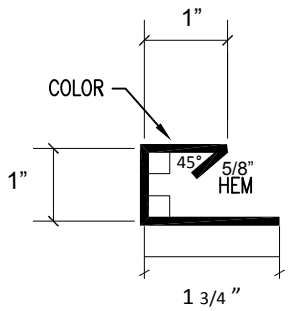
(.75 PCI) Pitch Break Inside



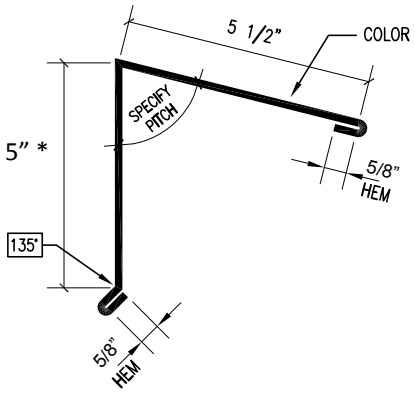
(.75 PCO) Pitch Break Outside



(VJT) Vertical Jamb Trim



(.75 RP) Peak Cap



* Actual length varies based on pitch

NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

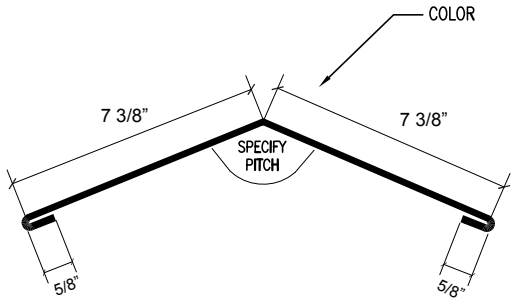
TAYLOR METAL PRODUCTS

Exposed Fastener

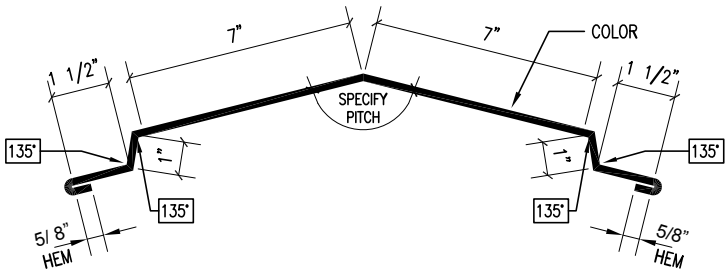
Flashing:

HR34, Box Rib, Classic Vee

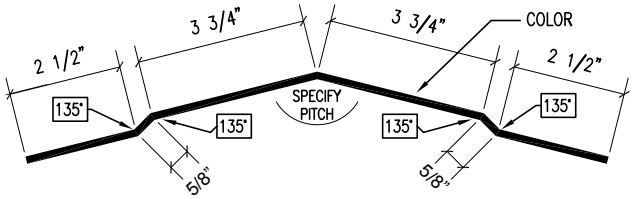
(HRCR) CABIN RIDGE



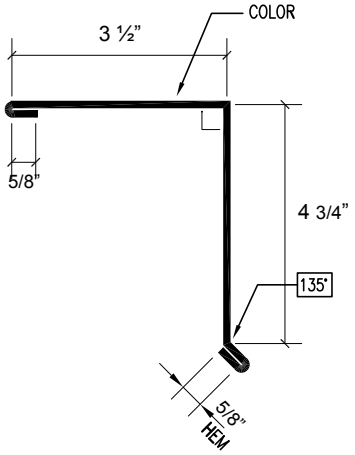
(HRRVW) VENTED/WIDE RIDGE



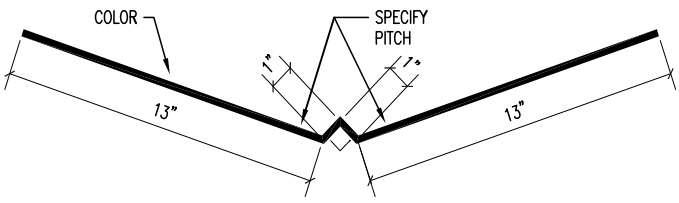
(HRRS) STANDARD RIDGE



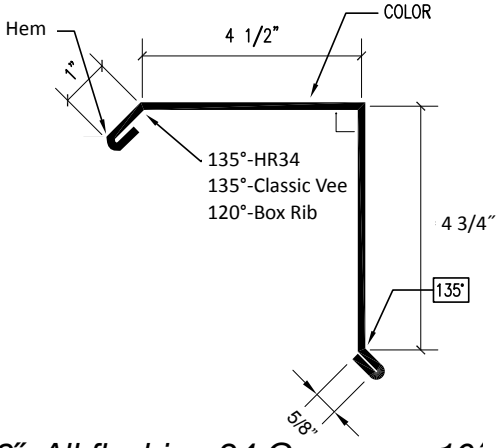
(CCGS) GABLE



(.75VF) W-VALLEY

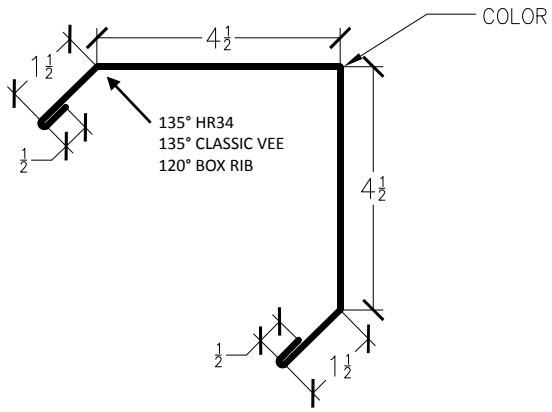


(HRGS) HR GABLE

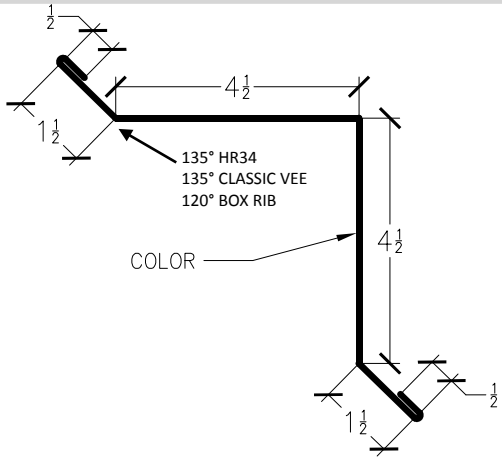


NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

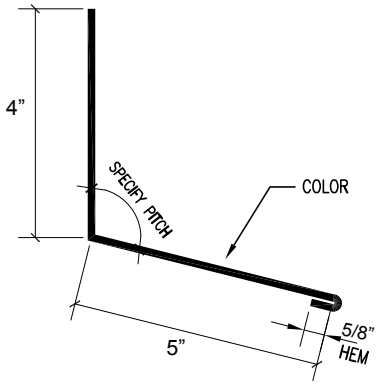
(HRCO) HR OUTSIDE CORNER



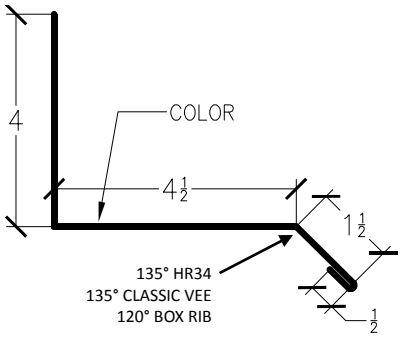
(HRCI) HR INSIDE CORNER



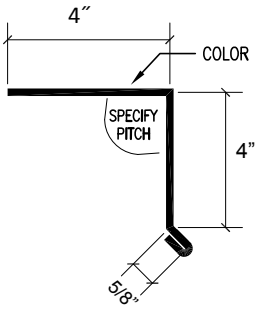
(CCEW) HR END WALL



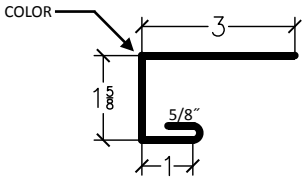
(HRSW) HR SIDEWALL



(HRES) HR EAVE



(HRCF) HR C-CASING



NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

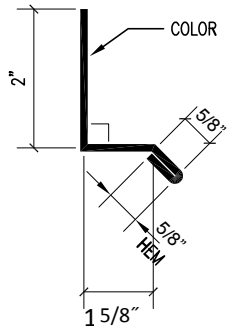
TAYLOR METAL PRODUCTS

Exposed Fastener

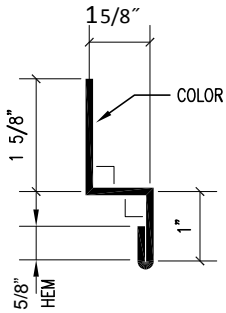
Flashing:

HR34, Box Rib, Classic Vee

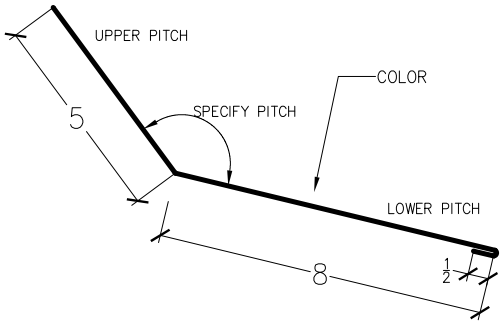
(HRBF) HR BASE METAL



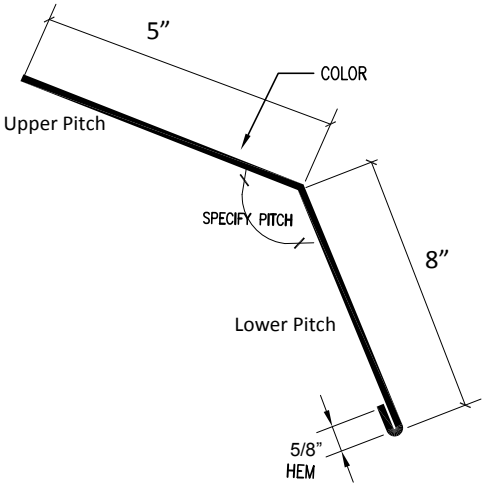
(HRZF) HR Z-FLASHING



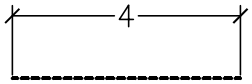
(.75PCI) PITCH BREAK INSIDE



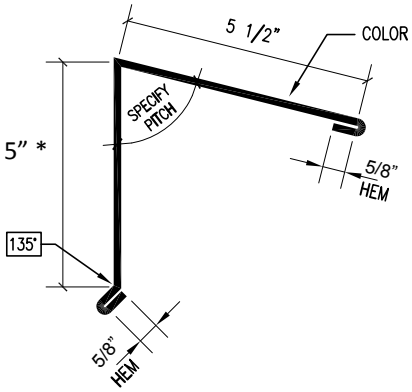
(.75CO) PITCH BREAK OUTSIDE



PERF



(.75RP) HR PEAK CAP



* Actual length varies based on pitch

NOTE: All flashing 26 Gauge are 12´6˝, All flashing 24 Gauge are 10´

Style	Size	Quantity	
#10 Wood Screw: Metal to wood, use for panel attachment into dimensional lumber. 1/4" hex head with washer. Available in painted & galvanized.	10 x 1"	250/Bag	3000/Box
	10 x 1-1/2"	250/Bag	2500/Box
	10 x 2" available upon request	250/Bag	2000/Box

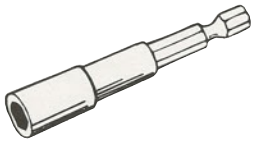
Style	Size	Quantity	
#14 Wood Screw: Metal to wood, use for panel attachmen into plywood. 5/16" hex head with washer. Available in painted & galvanized.	14 x 1"	250/Bag	2500/Box
	14 x 1-1/2" available upon request	250/Bag	2000/Box

Style	Size	Quantity
# 12 Stitch Screw: Attaching trim-to-trim, trim-to-panel and side lap attachment. 1/4" hex head with washer. Available in painted & galvanized.	12 x 3/4"	250

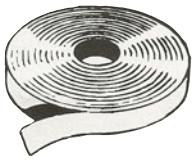
Style	Size	Quantity	
#12 Tek Screw: Metal to metal, use for panel attachment into metal purlins. 5/16" hex head with washer. Available in painted & galvanized.	12 x 1"	250/Bag	2500/Box
	12 x 1-1/2"	250/Bag	2000/Box
	12 x 2" available upon request	250/Bag	1500/Box

Style	Size	Quantity	
#14 Tek Screw: Attaching trim-to-trim, trim-to-panel and side lap attachment. 5/16" hex head with washer. Available in painted & galvanized.	14 x 7/8"	250/Bag	2500/Box

Style	Size	Quantity
# 43 Rivet: Attaching trim-to-trim and trim-to-panel.	1/8" x 1/8"	100



Nutsetter
1/4” Magnetic
5/16” Magnetic



Mastic	
1/8” x 1/2” Butyl	50 feet per roll
1/8” x 3/4” Butyl	30 feet per roll

Pipe Flash-ings		
No.	Gray Standard Round -30º F to 250º F	Orange High Temperature to 390º F
#1	1/4” to 2”	-
#2	1-3/4” to 3-1/4"	-
#3	1/4” to 4”	-
#4	3” to 6”	3” to 6”
#5	4” to 7”	-
#6	5” to 9”	5” to 9”
#7	6” to 11”	-
#8	7” to 13”	7” to 13”
#9	10” to 18”	10” to 18”

Size	Gray Retrofit Round
Small	3/4” to 2-3/4”
Medium	2” to 7-1/4”
Large	3-1/4” to 10”

Closures	
Universal Closure	1” x 1” x 10’
T-3, PBR, Tuff Rib, GR7 Outside Formed Closure (top of panel)	36” coverage
T-3, PBR, Tuff Rib, GR7 Inside Formed Closure (bottom of panel)	36” coverage
2-1/2” Corrugated Foam Closure	24” coverage
Classic 7/8” Corrugated Foam Closure	37” coverage

Caulking	Available per tube or case
Marco Weather-Tite Roof Sealant	
Sika Flex®	

Fly Screen	
Ridge Flyscreen - Fiberglass	8” x 100’ Roll
Used for vented ridge- over plywood	

Touch-up Paint
5.5 oz. Spray Can

Underlayment	These Underlayments are for roofs requiring plywood sheeting
Synthetic Roofing Underlayment	10 Square Roll
Self-Adhering Underlayment (high temperature)	2 Square Roll

Insulation	
2" Blanket Insulation (VRR Backed)	6' x 27' Roll
	6' x 33' Roll
	6' x 39' Roll
	6' x 43' Roll
	6' x 60' Roll
	6' x 120' Roll
	Custom length sizes available

Vapor Barrier
20'x100' Duraskim ™

Barrier Tape	
Insulation Tape	3" x 150' Roll

T3 or Tuff Rib Polycarbonate Panels
White or Clear 2', 4', 6', 8', 10', 12', 14', 16', 18', 20', 22', 24'

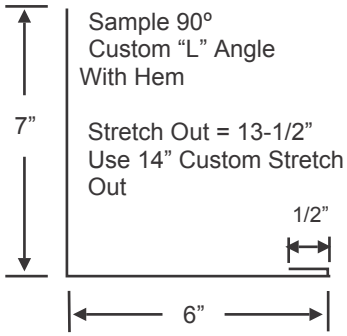
PBR Polycarb Panels
White or Clear 10', 12', 16'

Tuff Rib or 2-½" Corrugated Fiberglass (5oz) Panels
White or Clear 8', 10', 12'

PBR Fiberglass (8oz) Panels	
White	10'8", 12', 16'

Classic 7/8" Corrugated Fiberglass (8oz) Panels	
White	12'

Custom Flashings		
Part #	**Painted 29 GA or 26 GA**	**Bare 29 GA or 26 GA**
C04	Up to 4” x 10’	Up to 4” x 10’
C06	Up to 6” x 10’	Up to 6” x 10’
C08	Up to 8” x 10’	Up to 8” x 10’
C010	Up to 10” x 10’	Up to 10” x 10’
C012	Up to 12” x 10’	Up to 12” x 10’
C014	Up to 14” x 10’	Up to 14” x 10’
C016	Up to 16” x 10’	Up to 16” x 10’
C018	Up to 18” x 10’	Up to 18” x 10’
C022	Up to 22” x 10’	Up to 22” x 10’
C026	Up to 26” x 10’	Up to 26” x 10’
C030	Up to 30” x 10’	Up to 30” x 10’
C034	Up to 34” x 10’	Up to 34” x 10’
C040	Up to 40” x 10’	Up to 40” x 10’



Gutter Coil Stock 16-¾” Maximum / slit to your width (priced per lineal foot) Other 26 & 24 ga. gutter coil is available please inquire.
Painted 26 GA grade50 Charcoal Grey Sterling Grey Glacier WhiteTile Red Pine Green Forest Green Pacific Blue Dark Bronze
Bare 24 GA grade50 Zincalume®

Flat Stock	($35.00 Pallet Deposit Required)
Painted 29 GA or 26 GA	40-7/8” x 10’
Bare 29 GA or 26 GA	40-7/8” x 10’
Painted 24 GA or 22GA	48˝ x 10´

Curved T-PANEL

INSTALLATION INSTRUCTIONS

TAYLOR METAL PRODUCTS

4566 Ridge DR NE, Salem, OR 97301

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

www.taylormetal.com

TAYLOR METAL PRODUCTS

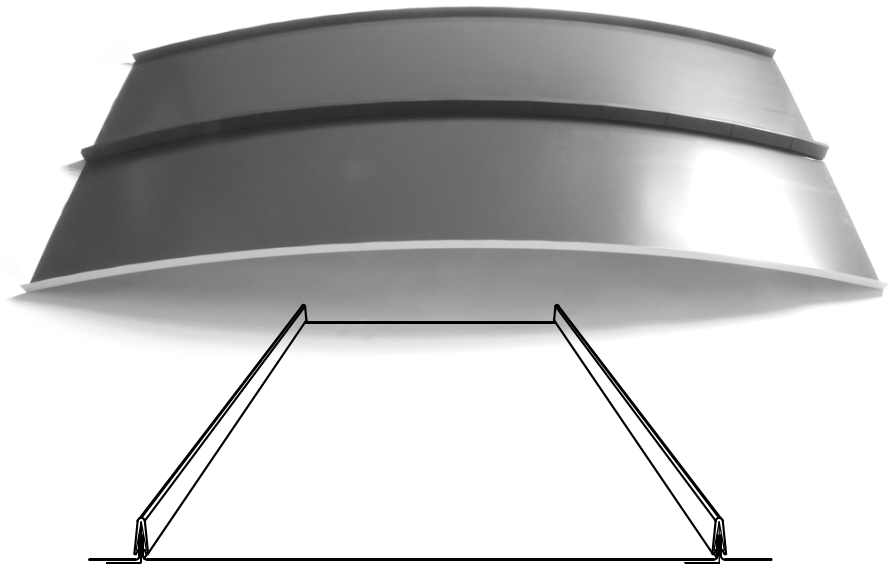
T-PANEL™ WITH BATTEN

T-Panel™ Standing Seam is perfect for radius roofing projects. This panel gives you the flexibility to design buildings with unique characteristics that only a radius panel can provide.

Key Features

- 12˝ to 20˝ coverage options
- 24 & 22 gauge Tru-Gauge™*(battens are fabricated in 24 gauge steel. .032 aluminum and 20oz. copper only)*
- Factory and field radius of roof panels and battens down to 3' radius (*24 gauge steel, .032 aluminum and 20oz copper only for battens)*
- Full length narrow batten
- 1˝ vertical rib is the total height when the batten is installed on the panel
- Tapered panels available
- Vertical interlocking application: allows installation from both directions starting at any location
- Concealed fasteners: fasteners cannot leak
- Incorporates nicely with Easy-Lock™ Standing Seam Panel
- UL Class A fire rated
- 3:12 minimum pitch recommended: (*for lower pitches please inquire)*
- Standard panel lengths 2' to 35': (*for longer panels, please inquire)*
- Pan options: Flat pan, Accent ribs, Striations
- "Oil Canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection

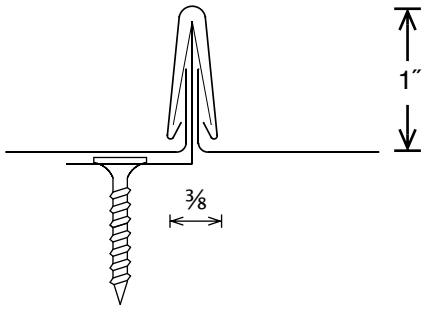
Panel Profiles



Flat Pan

12˝ to 20˝ coverage options

Standing Seam Detail



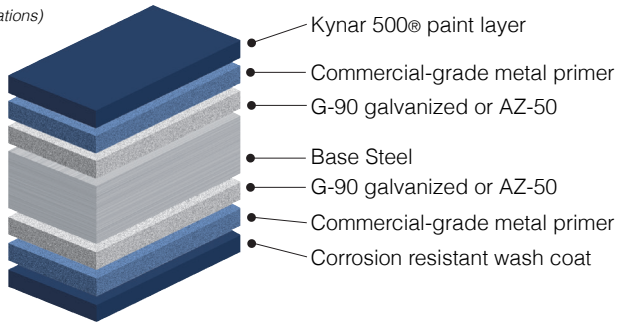
TAYLOR METAL PRODUCTS

Material Specifications

- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 22 & 24 gauge bare Zincalume® Plus with Clear Acrylic Coating - AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 16 and 20 ounce Copper *please inquire*
- 22 gauge Rusteel™ (Cold-rolled)
- 22 gauge Rusteel™ Plus (A606)
- 24 gauge Bonderized (G-90)
- Kynar® and substrate testing data available *(See website)*

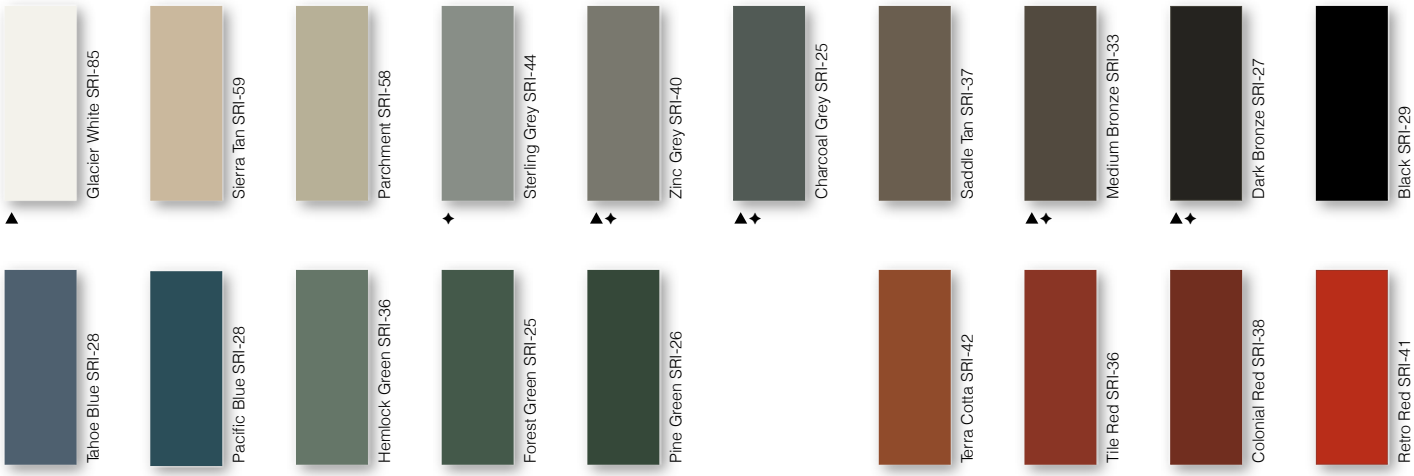
Key Features

- 19 Standard Colors, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity 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)*

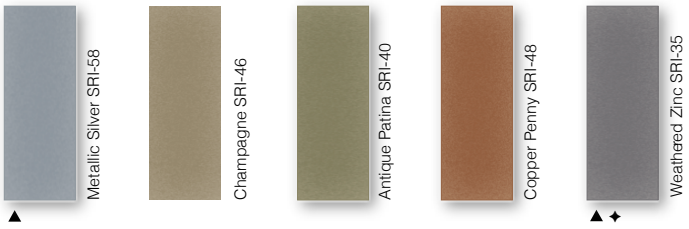


40-Year Residential/ 20 and 30 Year Commercial Manufacturer's Limited Warranty

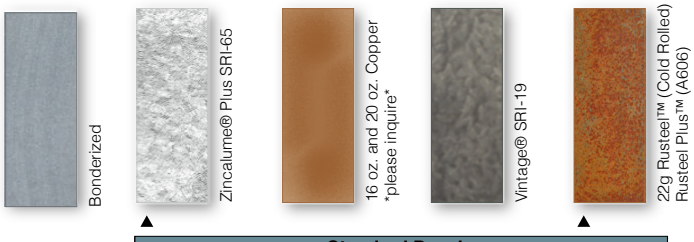
Standard Cool Kynar 500® Colors



Metallic Cool Kynar 500® 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.

steelscape PPG ENERGY STAR CRRC MEMBER

(Inquire for other panel sizes)

Standard Panels				
Width	Gauge	Color	LBS SQFT	LBS LF
12˝	24	Kynar	1.48	1.48
15½˝	24	Kynar	1.30	1.76
16˝	24	Kynar	1.35	1.81
12˝	22	▲	1.86	1.86
16˝	22	▲	1.70	2.27
12˝	.032	✦	.70	.70
16˝	.032	✦	.64	.85

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FLASHINGS

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Batten Installation 11

Taylor Metal Products Curved T- panels are designed for use on residential and commercial structures.

Whether it's an entryway, dormer or entire roof, Taylor Metal Products 12" T-panel is designed to protect and beautify your roof area. The T-panels are offered in any of our attractive, long-lasting 26 or 24 guage panels with top-of-the-line Kynar® 500 finishes. It is also available in 24 gauge Acrylic Coated Galvalume or natural 16 oz. copper.

Taylor Metal Products 12" coverage Curved T-Panel is availble in lengths from 2' to 50' and can be formed to fit a radius as tight as 3'.

These installation instructions are intended to offer suggested application procedures for common building construction. No attempt is made to provide installation details for every application or possible use.

Please contact Taylor Metal Products for use of custom flashing details as they pertain to specific conditions or to discuss a specific project.

Conformity to local building codes, details for specific applications, and use of safety and health procedures are the sole responsibility of the installer.

Taylor Metal Products, Inc. assumes no liability for the improper installation of the Curved T-panel nor for any personal injury or property damage that may occur with the product's use.

Oil Canning – All light gauge metals can display waviness often referred to as "oil canning." This is caused by steel mill tolerances, substrate variation and relative reflectivity. "Oil canning" is an inherent characteristic of steel products, not a defect, and is not a cause for material rejection.

Delivery and Will Call

Delivery Policy

Taylor Metal Products delivers using diesel trucks with 5th wheel, low-boy flat bed trailers. Overall combined length can be as long as 65 feet. Our fleet includes trucks, with and without knuckle cranes, and a variety of trailer sizes to assist in deliveries. We will make every effort to accommodate requests for a specific delivery mechanism but we cannot guarantee availability of specific resources.

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.
- Any balance owing on C.O.D invoices.
- Providing adequate resources (1-4 people as needed) for off-loading materials.
- $35 per half hour charge if delivery takes longer than one-hour.

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 failure, road closures, etc. which may affect our schedule.

Will Call and Loading Policies

Flat bed 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.

> Examples are: 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.) We do offer a delivery service at reasonable rates to accommodate the customer who needs the materials delivered to an accessible job-site.

Please see our delivery pricing pages for more information.

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 TMP within 48 hours of delivery.

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 TMP 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 the panels. Elevate one end of bundles to allow drainage of wet materials.

Painted metal roofing panels will have a clear plastic film applied to the lower rib of the panel to protect the seam during transportation and handling. Flashing and flat sheet may have a plastic film for protection. Remove this film prior to installation of the panels. Products with film should not be stored in direct sunlight, and should not be left in hot weather for long periods.

Wear clean cotton gloves when handling copper or unpainted Galvalume to avoid leaving fingerprints and smudges. While finger-prints or smudges will not harm the material, they will temporarily leave markings on the material until the material weathers.

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.

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.

Tools

The following tools may be used for proper installation.

- Screw Gun: Clutch type, variable torque, cordless screw guns will give the best results.
  - Extra batteries
  - Bit holder - magnetic
  - #2 square drive bits or phillips drive bits (for panel screws)
  - 1/4" Hex head - magnetic - bit driver (for woodfast flashing screws)
  - 1/8" drill bit (for rivets & pre-drilling fastener holes)
  - Belt & holster (keeps all the above tools safely on your hip)

- Cutting Tools:
  - Cutters/Offset (curved jaw) left & right (for precision cutting, long cuts)
  - Snips (straight jaw) left & right (for short cuts & circular cuts)
  - Hack Saw - 32 TPI Blade
  - Circular & Sabre saws (with metal cutting blades speeds up panel cutting but leaves very rough edges and burrs paint)
  - CAUTION: POWER SAWS MAY CAUSE PANEL DAMAGE!
  - Electric Shears (aids in long panel rips)
  - DeBurring Tool

  WARNING - Filings, debris and chips must be wiped off panels, otherwise rust will develop!

- Hole Punch (for pre-punching holes in metal)

- Rubber Mallet - Soft Type (for adjusting panels & flashings)

- Quick Square, Framing Square & Bevel Square (aids in squaring flashings & panels)

- Duck Bill Vise Grips/Pliers (for various bending)

- Tape Measures - 16' for most work - larger sizes for larger surface & panel measurements

- Rivet Tool (for riveting flashings)

- Marking pen or pencil

- Chalk Line (for marking long panel rips and to align panels)

- Protective gloves to protect hands

- Cotton gloves for working with copper (to protect against fingerprints on finish)

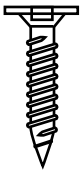
Fastening Frequency

TMP panels have a slotted screw flange with slots about every 12". TMP recommends placing a fastener in the center of each slot for the best wind resistance. (Note: Slots are not in identical locations on each panel.) Fasteners should be of sufficient length to penetrate the sheathing fully or into solid lumber 1".
Screw down panels firmly but do not over tighten. On those occasions where you cannot use the slot, fasten through the flange of the panel. Screw spacing when not using the slots is:

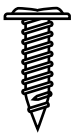
- 10" to 12" for 3/8" plywood (note- 3/8" plywood is not recommended)
- 12" to 14" for 1/2" plywood
- 18" to 20" for 5/8" plywood
- 24" for solid decking

Fasteners

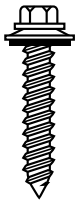
TMP recommends the following fasteners for 26ga and 24ga galvanized steel Easy-Lock Standing seam, Pacific Pattern and T-Panel.



Waferhead, Sharp point
Sizes:
#9-16 x 1" #2 Phillips Drive (also available in #2 Square Drive)
#9-16 x 1-1/2" #2 Square Drive
Waferhead screws are recommended for attaching the panels to a wood deck or substrate. They are concealed fasteners and made of carbon steel coated with Zinc and an Oxyseal/Xylon Coating for long life.



Lathhead Screws, Sharp Point
Size: #6 x 9/16"
Lathhead screws are used to attach the panels to the wood deck. While generally not recommended for most applications, this concealed fastener is useful for areas where a longer fastener will penetrate the substrate and exhibit an objectionable appearance, such as exposed overhangs. The pull out rating for this fastener is less than the waferhead, so these fasteners need to be placed more often.

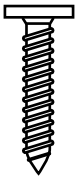


Woodfast, Sharp Point
Sizes:
#9-16 x l" 1/4" Hex Drive- Color Match
#9-16 X 1-1/2" 1/4" Hex Drive- Color Match
Woodfast screws are recommended for attaching metal to wood in some cases metal to metal. They are exposed fasteners made of carbon steel, coated with Zinc and an Oxyseal/Xylon Coating for long life.

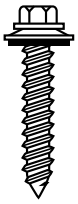
Stitch Screw, Sharp Point
size #12 x ¾" ¼" Hex Drive-Color Match
Stitch screws are used to attach metal to metal such as lap joints in flashing. They can be used interchangeably with rivets. They are exposed fasteners.

Rivets
#42 or #44 (1/8" x 1/8") Stainless Steel rivet- color matched or non-painted
Rivets are used to attach metal to metal such as lap joints in flashing.

TMP recommends the following fasteners for use with copper:



Pancake Head, Sharp Point
(Silicon Bronze)
Size: #10 x l" #2 Phillips Head-natural finish
The Silicon Bronze fasteners are used with copper roofing panels to prevent reactions between unlike metals. The pancake head is used for panel attachment, and is a concealed fastener.



Woodfast, Sharp Point
(Silicon Bronze)
Size: #10 x l" 1/4" Hex head -Natural finish
The Silicon Bronze fasteners are used for metal to wood applications, typically for the attachment of flashings. They are exposed fasteners.

Rivets
(copper rivet/brass mandrel)
Size: #42 or #44 1/8" x 1/8"
Rivets are used to join metal to metal such as lap joints in flashings.

Roof Preparation

Sub-Structure and Underlayment

TMP recommends installing the T-Panel over 1/2" or thicker exterior grade plywood.

We recommend 30 lb. ATM-rated felt paper be used as underlayment. We also suggest installing an "Ice and Water Shield" product in the valleys, and perhaps over the entire roof area, prior to the application of the felt paper. The use of this product depends on the radius and roof configuration.

Measuring the Roof

As with all metal roofing applications, accurate measurements of the roof are critical. Figures A and B show which dimensions are needed to accurately calculate materials for the roof area(s).
Figure A shows a front (or end) view, and Figure B shows a side view.

Taylor Metal Products has estimating services available for the convenience of our customers. If you would like Taylor Metal Products to calculate the materials and provide you with a quote, we will need specific dimensions to accurately calculate the materials.

Figure A
End View

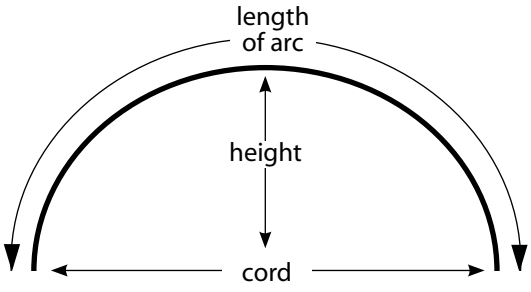
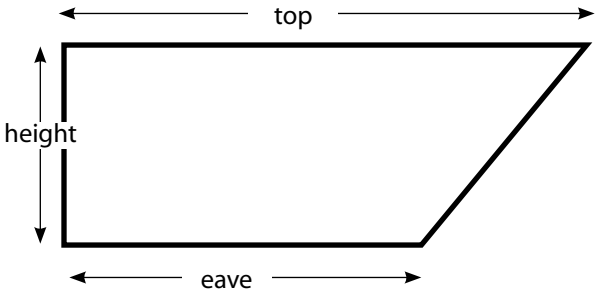
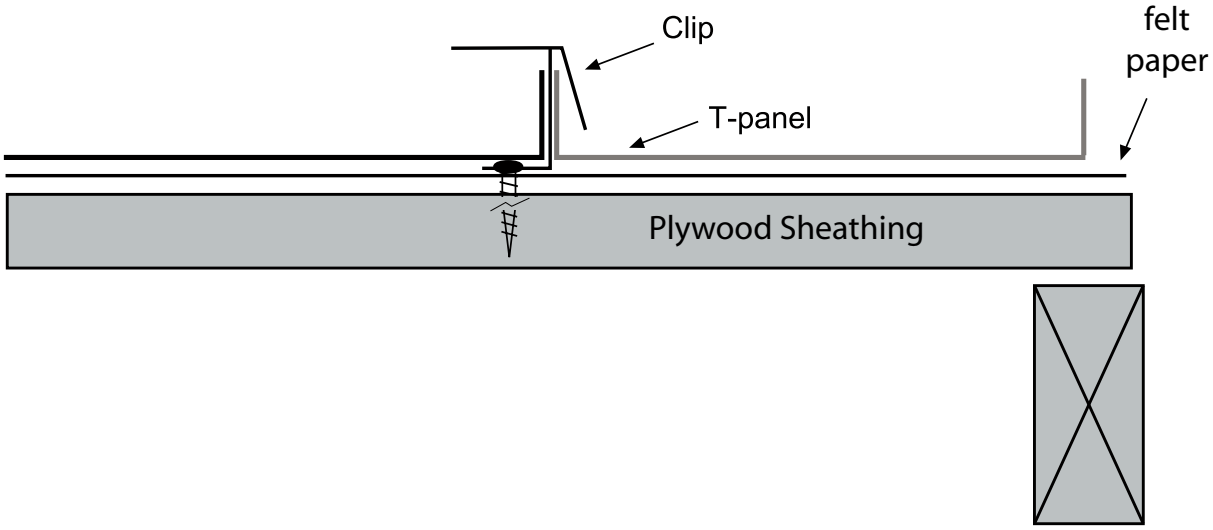


Figure B
Side View



Curved T-Panel Installation



Install any eave flashing and/or valley flashing before installing the T-Panels.

Position the first panel, beginning on the gable end and working toward the valley, wall, or opposing gable end. Be sure the panel is straight and true.

Position the clip against the leg of the panel with the base of the clip away from the panel. Bend down one tab of the clip over the leg of the panel and fasten the clip to the sheeting with a waferhead screw of sufficient length the penetrate the sheeting.

Install a clip every 2 feet and repeat the procedure as described above.

Install the next panel by placing it next to the previous panel, covering the base of the clip and bending the remaining tab over the leg of the just placed panel. Repeat the process for the remaining clips.

Subsequent panels are installed repeating the procedure, with the last panel cut and/or upended as needed.

Flashing Details

Flashing for curved roofing panels is not unlike the flashing details for sloped flat roofs, except that the gable/rake, sidewall and valley flashings need to be formed to follow the roof.

In order to form a flashing to fit the radius of a curved roof, the sides of the flashing are crimped to shrink the sides and create curvature. The smaller the radius the more crimps required.

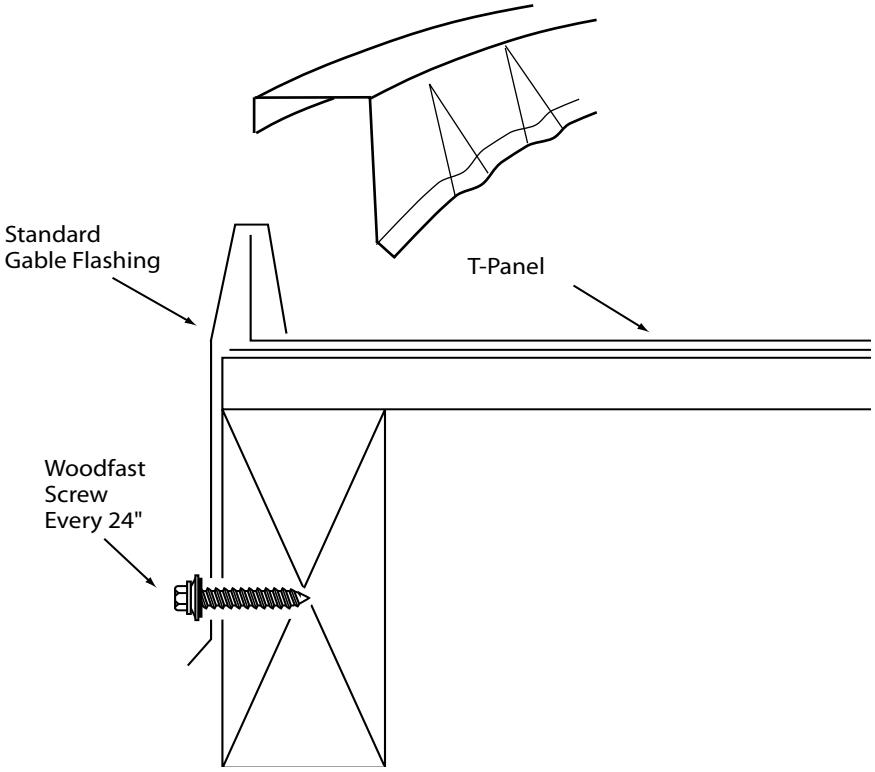
Another method used to curve the flashing is to snip the sides of the flashing as often as neccesary, and tuck snipped edges.

Taylor Metal Products can also custom fabricate curved flashings to fit the curvature.

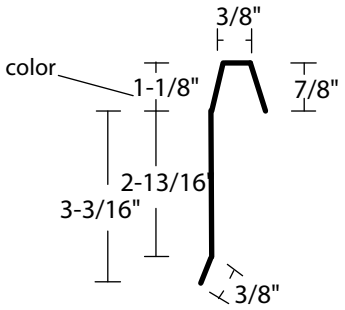
Valley flashings present some challenges for the installer. The typical w-valley flashing cannot be formed to fit the curvature of the valley. We have found that it works well to use wide flat sheet(s) and form them into the valleys, and then if a w-valley is desired it can be segmented in over the flat metal.

Other types of flashing details are similar in application to standing seam type panels and should present no challenges to the installer.

Please contact our sales department with any questions regarding installation.

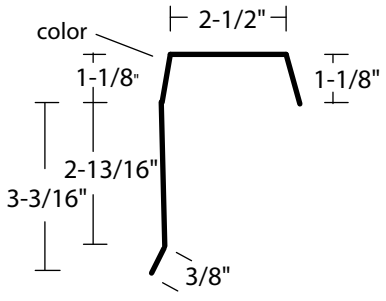


GS Gable Standard



GC Gable Compensating

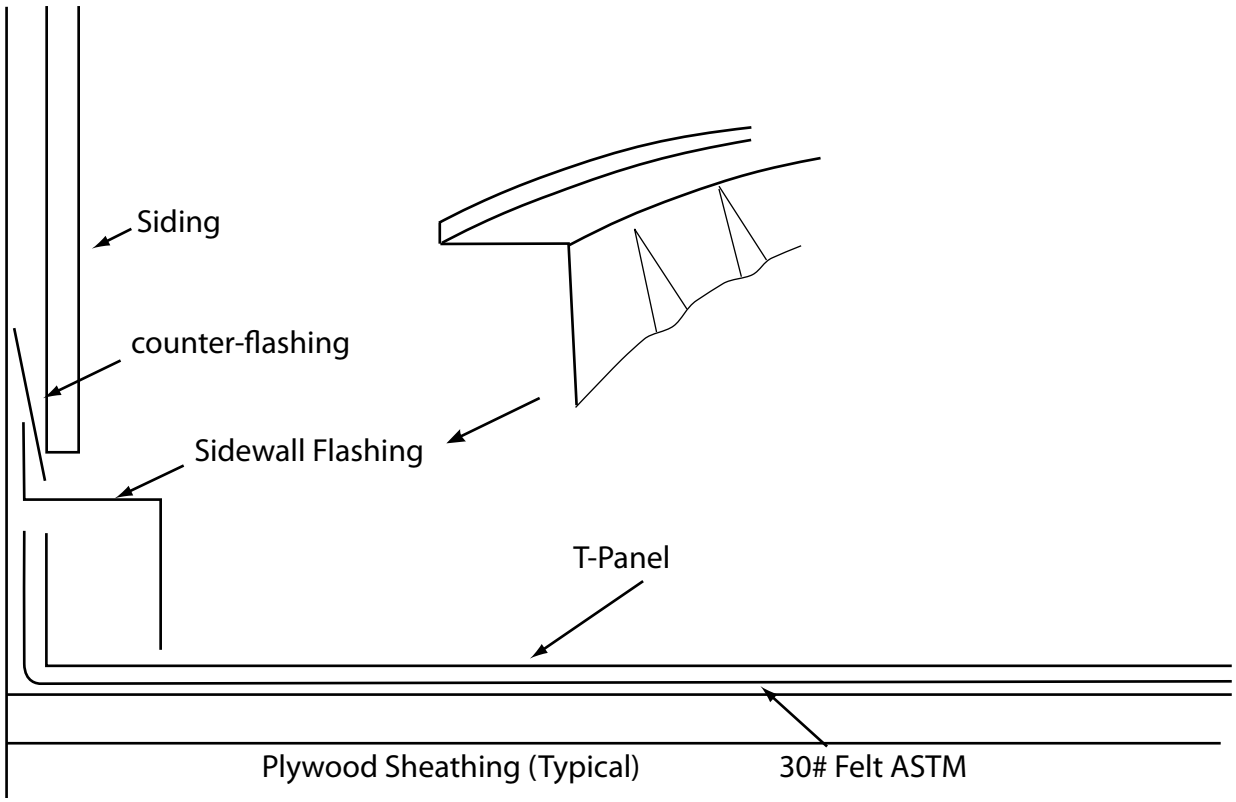
Use to compensate for:
- Out of square roof
- Up up to 2" coverage



Gable Flashing Application

- Install to hold down beginning and/or ending panel(s).
- Trim last panel (if needed) to allow 1" leg to be bent up to receive gable trim.
- Place firmly over leg (or field formed leg).
- Overlap flashing 2" to 3" top over bottom and place 1/8" bead of caulk under lap.
- Fasten to fascia board every 24" with woodfast screw.
- Consider using compensating gable if roof is out of square or to avoid cutting very narrow panel for the ending panel.
- Compensating gable flashing will allow installation to begin or end, up to 2" from gable edge.

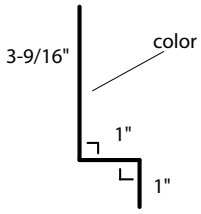
Sidewall Flashing



SW Sidewall

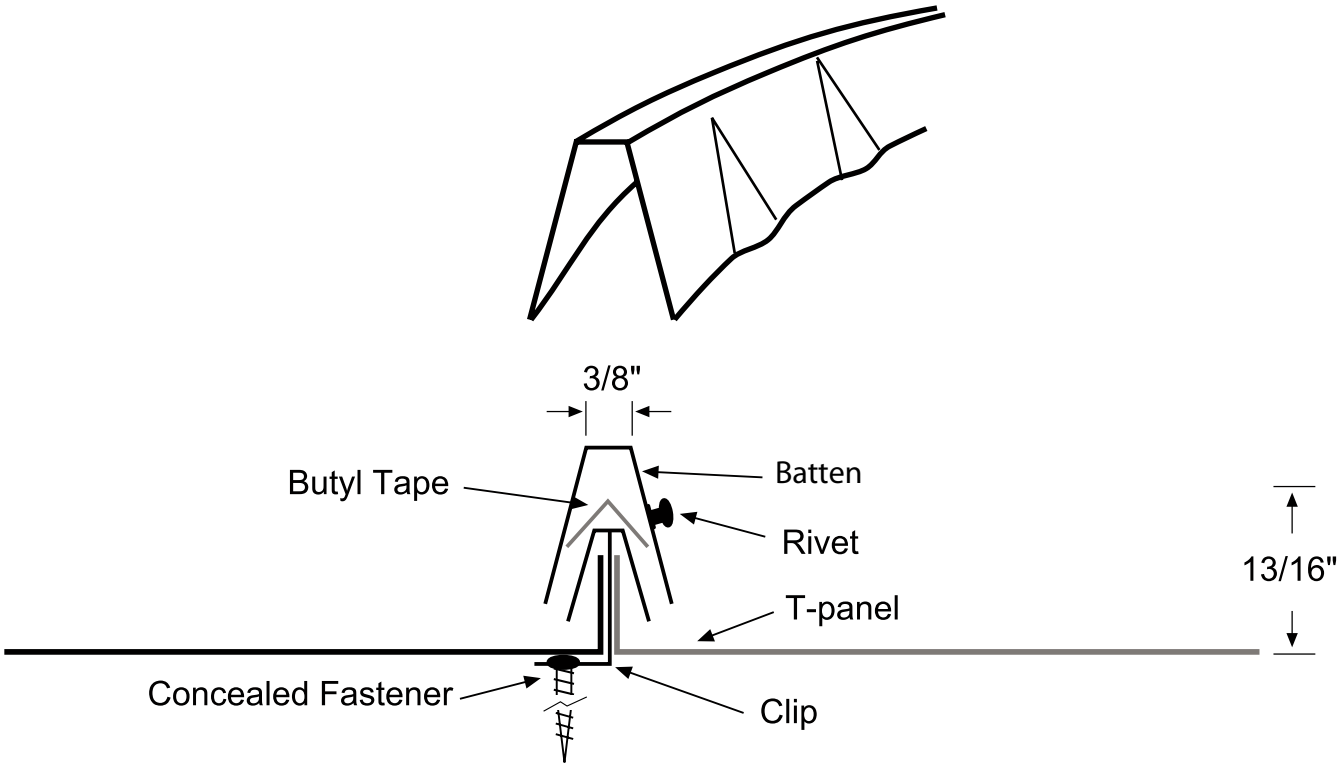
Used where panel <u>sides</u> begin or end against a wall.

Specify with or without lip.



Sidewall Application

- Sidewall flashing is used where wall runs parallel with slope.
- Install roofing panel first.
- Flash over panel leg if starting panels at wall or over upended edge of panel (pictured).
- Install flashing under siding with short leg against wall.
- Counter-flash the upper leg of the sidewall flashing. Seal between the counter flashing and the sidewall flashing.
  OPTION: Siding is cut 1/4" deep and lip is caulked into the cut to seal. Attach to wall with woodfast screw every 24". NOTE: Specify with lip if using this method of installation.
- Overlap flashing end to end 2" to 3" and caulk at lap.

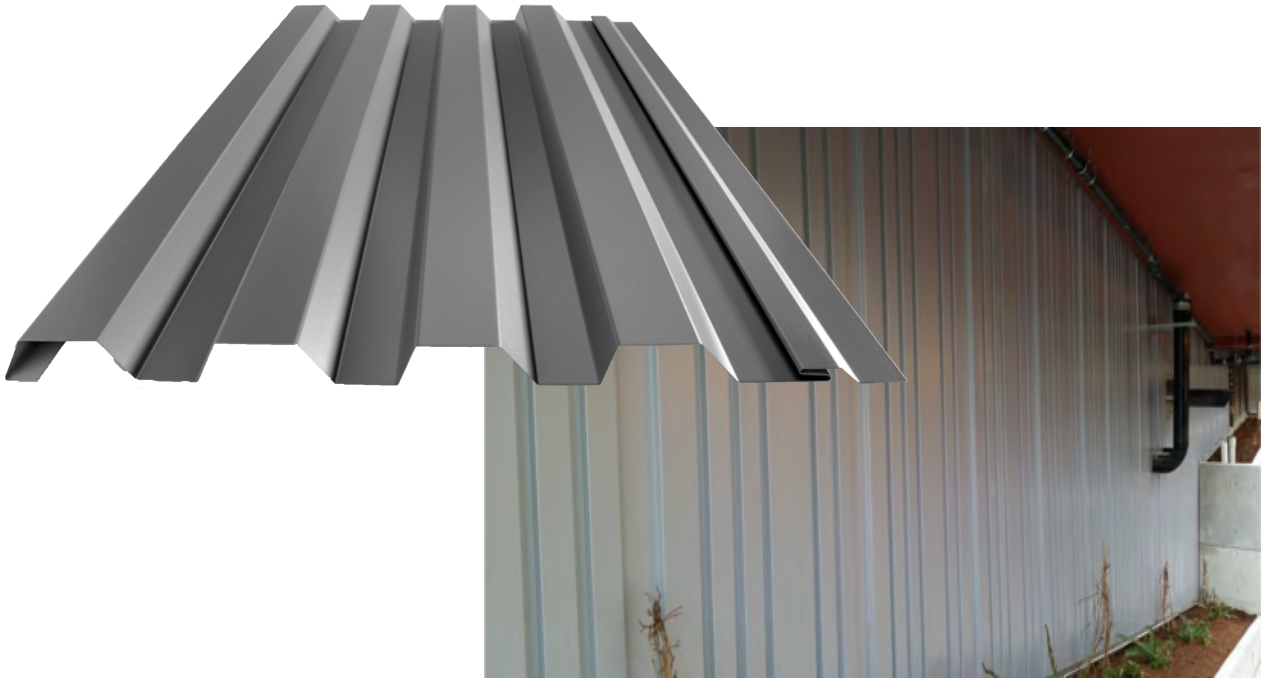


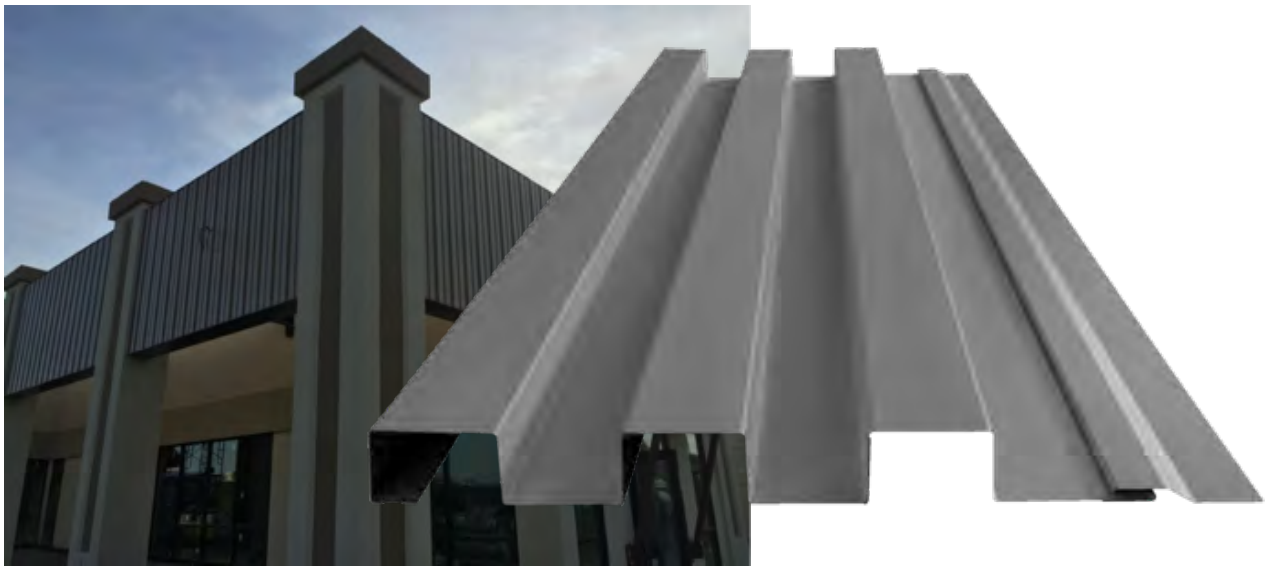
Batten Application

- Battens are pre-formed to fit the curvature of the roof by crimping the sides of the batten. Criming shrinks the the sides of the batten. The smaller the radius, the more crimps are needed to tighten the curve.
- Place the butyl tape inside the batten and press into place.
- Position the batten over the leg of the panel and press down until the batten completely cover the leg of the panel and clip.
- Using a 1/8" bit, drill a hole through side of the batten and the leg of the panel, either side but not both. Rivet the battn to the panel leg every 2 feet.
- If the panels are longer than 10 feet, overlap battens 2"-3" downhill, using a 1/4" bead of caulking at the lap.
- Repeat the procedure for installing the rest of the battens.

TAYLOR
METAL PRODUCTS

Contour Series



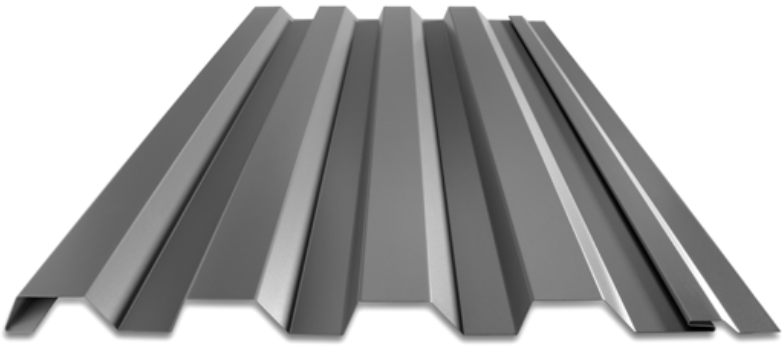


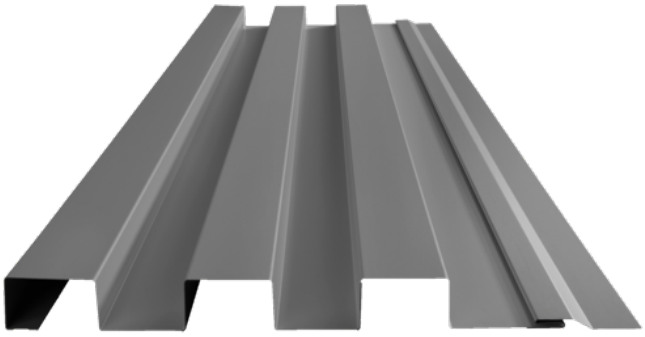
Taylor Metal Products - Phone: 503-581-8338 or 800-574-1388 - Fax: 503-581-6877 - www.taylormetal.com

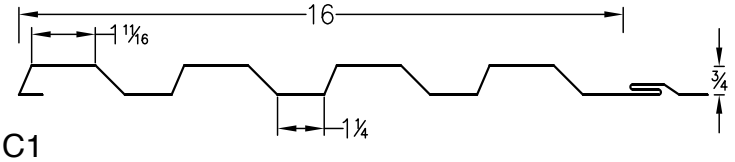
TAYLOR METAL PRODUCTS

Contour Series™

WALL AND SOFFIT







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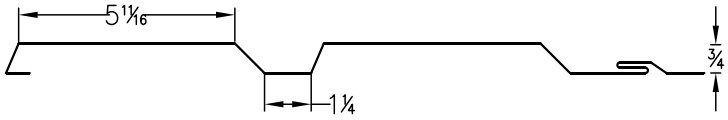

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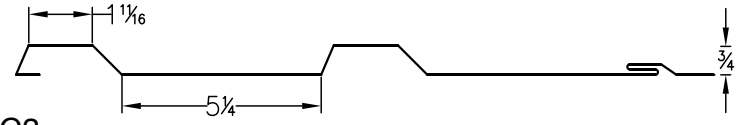

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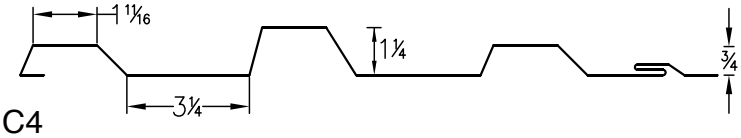

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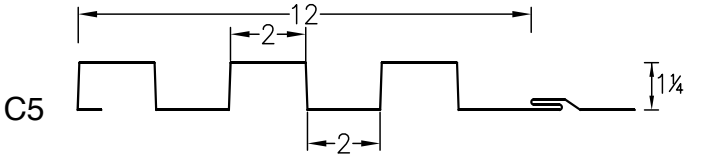

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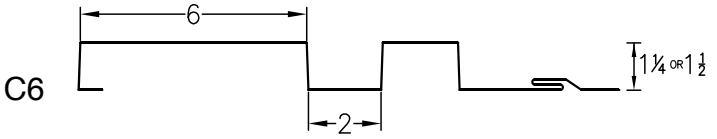

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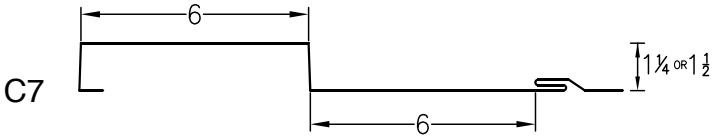

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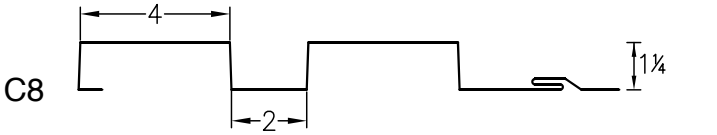

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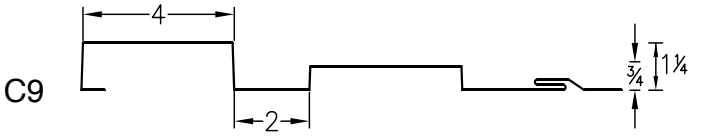


C9

- 12″ and 16″ panel coverage
- 24 and 22 Tru-Gauge™, .032 Aluminum, Bonderized, and Copper
- 5' to 21' panel lengths
- Machine folded panel, help to decrease "oil canning" in comparison to roll formed panels
- Concealed fastener attachment
- ASTM 283, ASTM 330, ASTM 331
- ⅞ to1½″ deep panel
- Custom profiles to match any style
- Use for vertical or horizontal wall applications
- Install on soffits
- Contour Series™ panels are interchangeable with each other
- "Oil Canning" is an inherent characteristic of Roof & Wall products, and not a defect, which is not a cause for panel rejection

Contour Series™ gives you the custom look you want within your budget. If one of our standard profiles does not match your design requirements, no problem. We specialize in fabricating panels that match your parameters, not ours. Contact us so we can help you fulfill your vision of the perfect look.

Panel is available in a wide variety of "Cool" baked on Kynar® colors. Rusteel™ (cold rolled), Rusteel Plus™ (A606), Bonderized (G-90), and .032 Kynar 500® Painted Aluminum

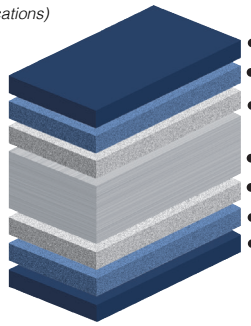
TAYLOR METAL PRODUCTS

Material Specifications

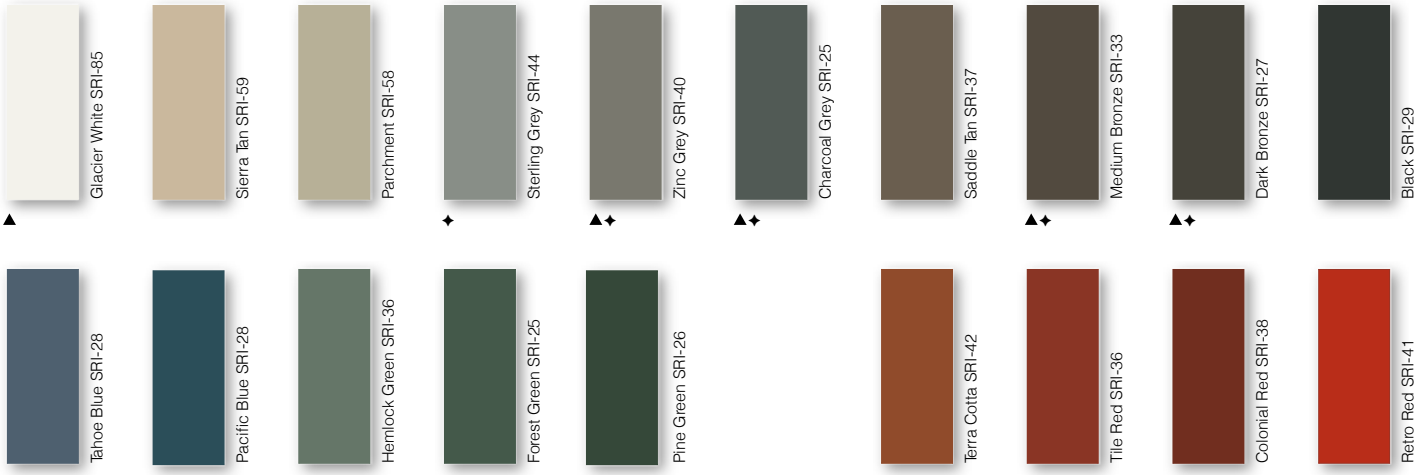
- 24 gauge Kynar 500® Painted Steel .0236˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- 22 & 24 gauge bare Zincalume® Plus with Clear Acrylic Coating AZ-55
- ▲22 gauge Kynar 500® Painted Steel .029˝ (thickness prior to painting) G-90 Galvanized or AZ-50
- ✦.032 Kynar 500® Painted Aluminum
- 22 gauge Rusteel™ (Cold Rolled)
- 22 gauge Rusteel Plus™ (A606)
- 24 gauge Bonderized (G-90)
- Kynar® and substrate testing data available *(See website)*

Key Features

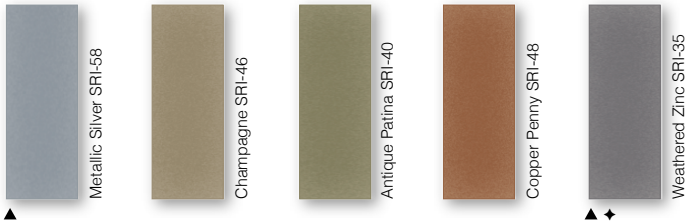
- 19 Standard Colors, 5 Metallic Colors and 5 Specialized Colors
- Kynar 500® Paint System-the ultimate in exterior durabiity and color retention
- "Cool" color pigments are specially designed to reflect infrared light, reducing heat gain to dwelling, and conform with ENERGY STAR® criteria
- Superior 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)



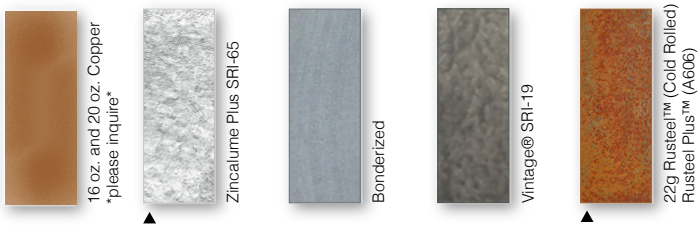
STANDARD 24g Cool Kynar 500® Colors



Metallic Cool Kynar 500® Colors



Specialized Material



Metal samples are available upon request. Coatings are low gloss 10-15% sheen.

"Oil canning" is an inherent characteristic of Roof & Wall products, not a defect, and is not a cause for panel rejection. SRI = Solar Reflective Index. SRI values listed above are in accordance with ASTM E 1980 and are based on actual testing.

- ▲ 22 gauge Kynar 500® Painted Aluminum
- ✦.032 Kynar 500® Painted Aluminum

steelscape PPG ENERGY STAR CRRC COOL ROOF RATING COUNCIL MEMBER

Notes to Designer/Installer

Taylor Commercial 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 siding 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.

The Standard gauge for all products in this guide is 24 gauge and the standard finish is Kynar 500®. We recommend specifying all flashing 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. Contour can be used over spaced purlins no greater than 24" apart.

For solid substrate, Taylor Commercial Products recommends 5/8" plywood.

Underlayments

Minimum underlayment requirements are 30 lb. ASTM rated felt, a synthetic underlayment with Class A fire rating and ASTM UV protection technology or a high temperature self-adhering rubberized membrane. When choosing the underlayment, consider the roof slope, roof design, roof panel, and the climate.

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 underlayment's. Oil canning is a characteristic of metal siding, not a defect and is not a cause for rejection.

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.

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.

Take care when painting to avoid getting over spray on the siding 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.

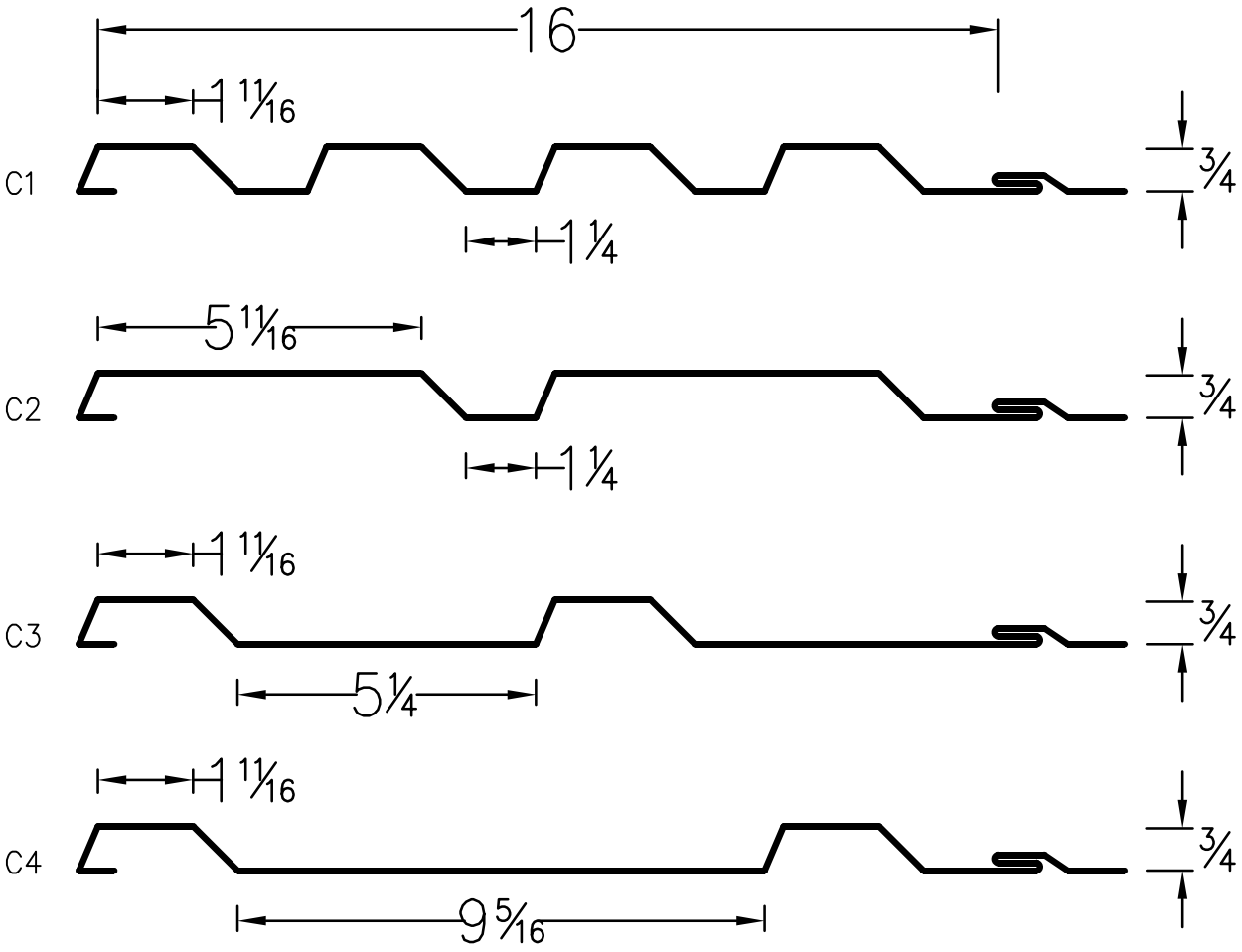
Avoid installing metal panels in windy conditions.

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 material.

TAYLOR METAL PRODUCTS

Contour Series

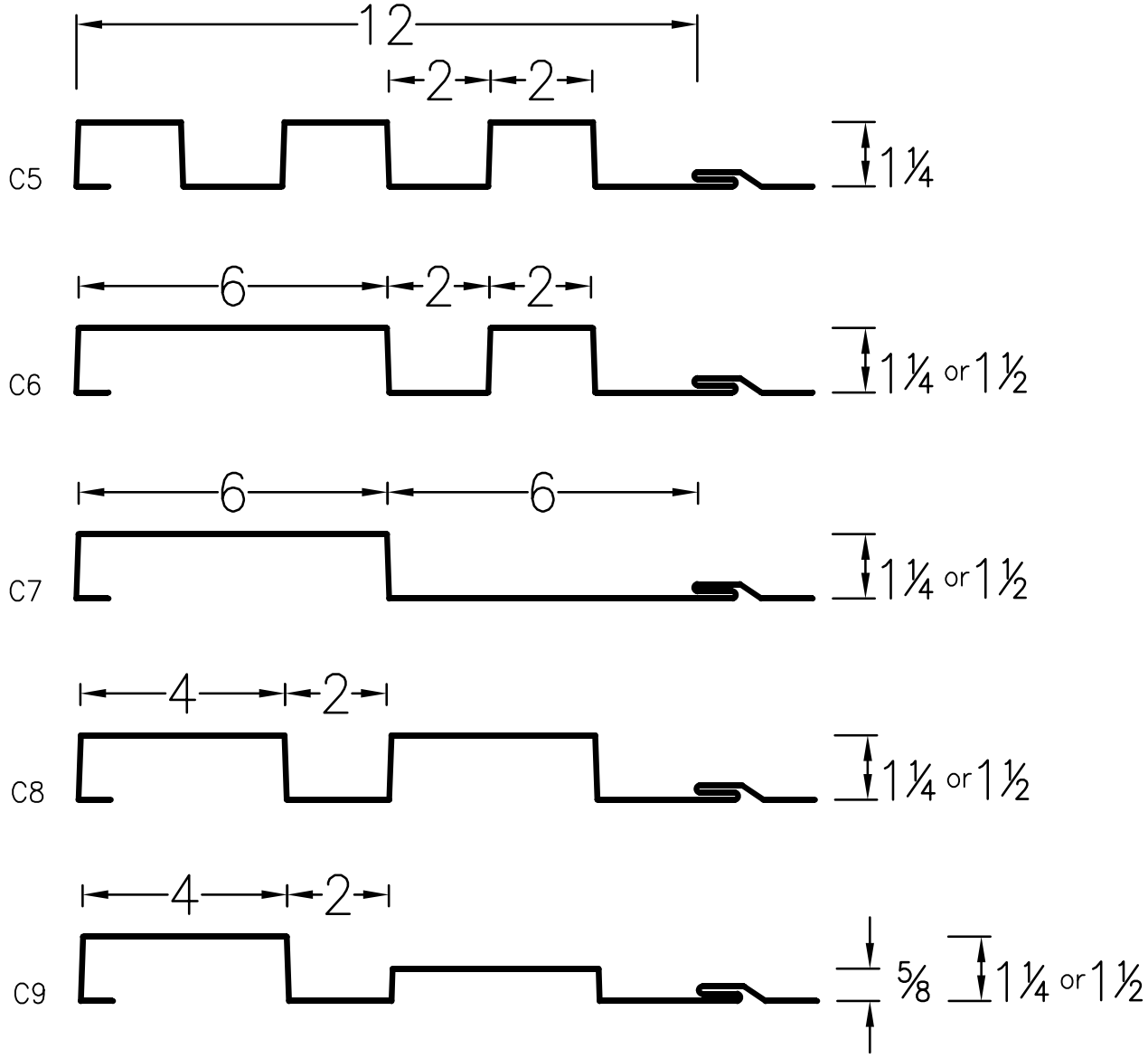
Panels: 16”



TAYLOR METAL PRODUCTS

Contour Series

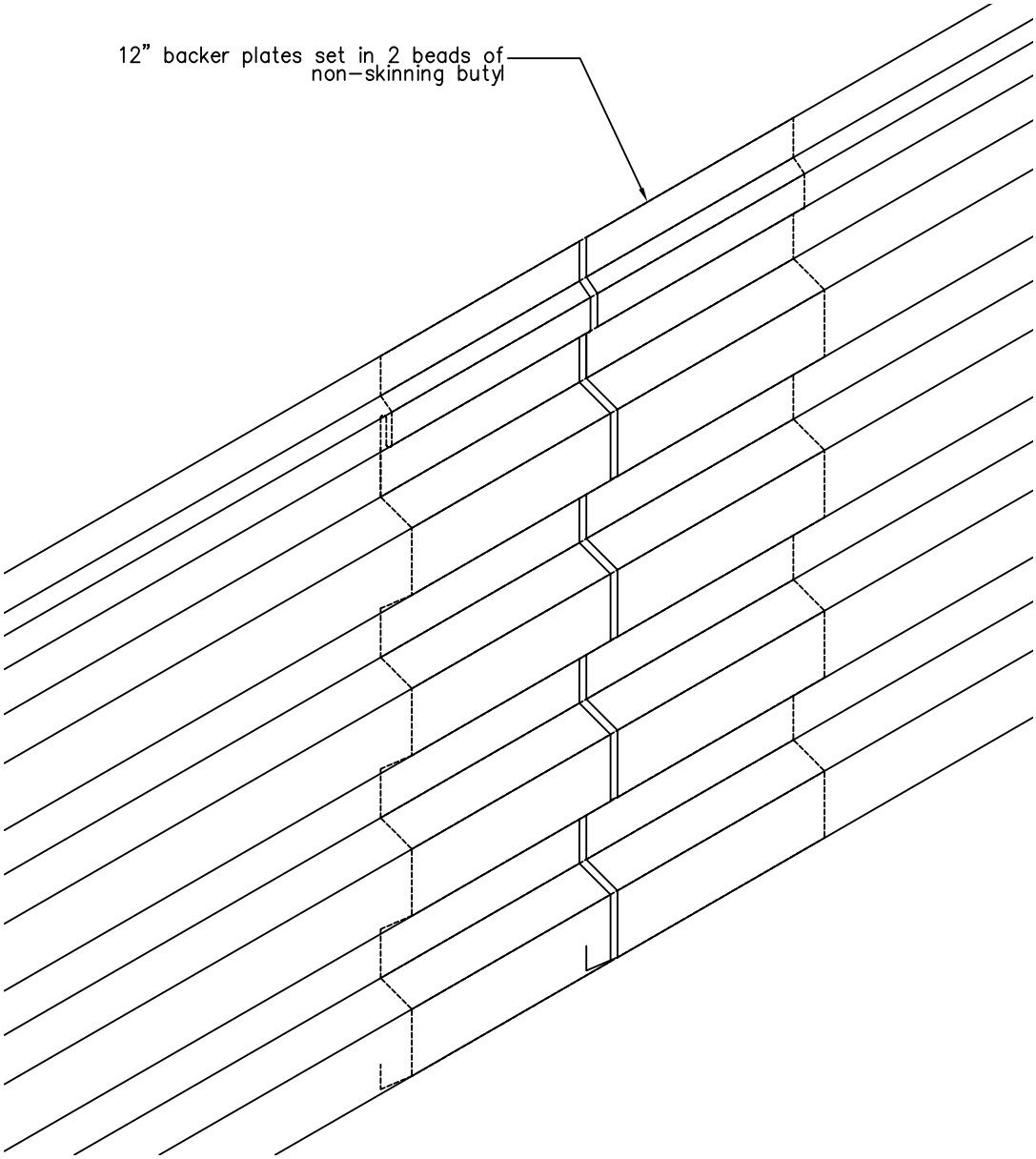
Panels: 12”



TAYLOR METAL PRODUCTS

Contour Series

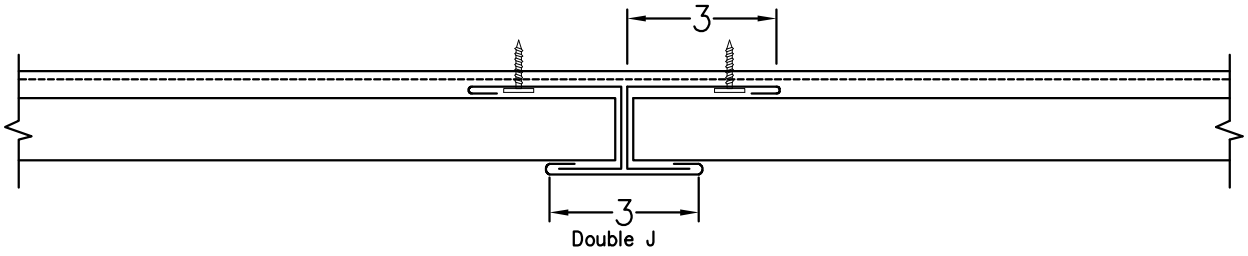
Panel Lap

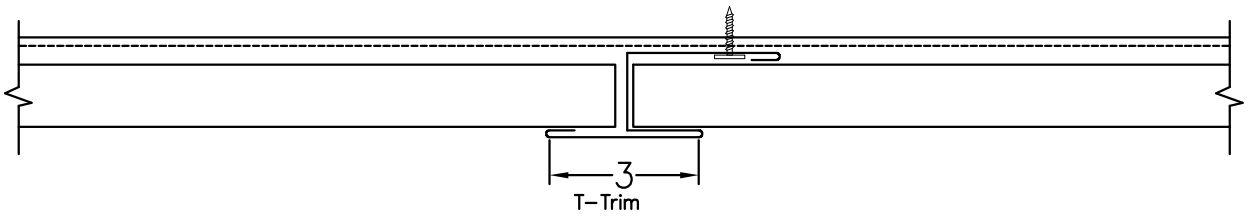


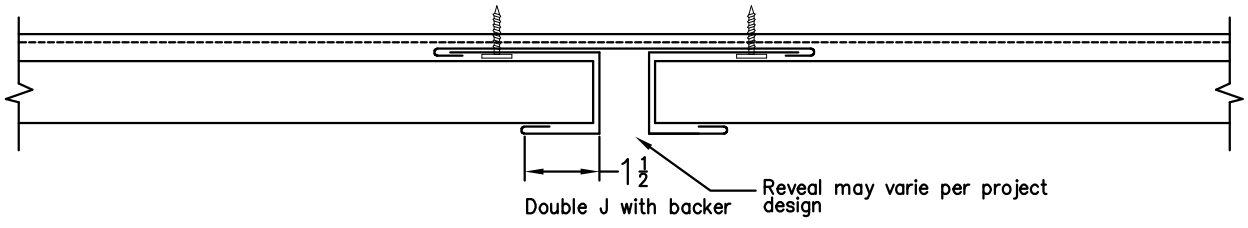
TAYLOR METAL PRODUCTS

Contour Series

Reveal Lap







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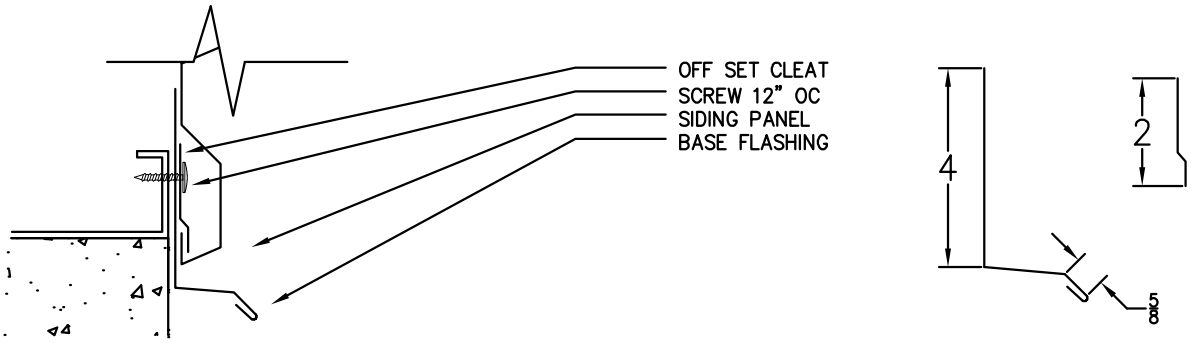

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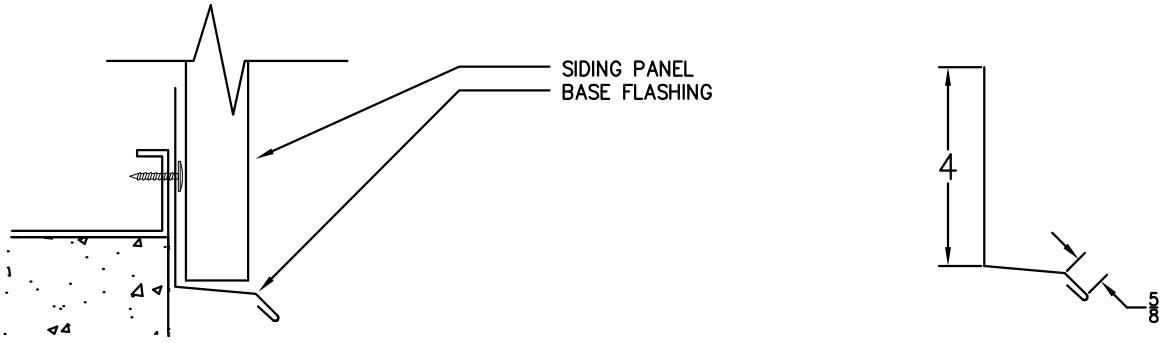

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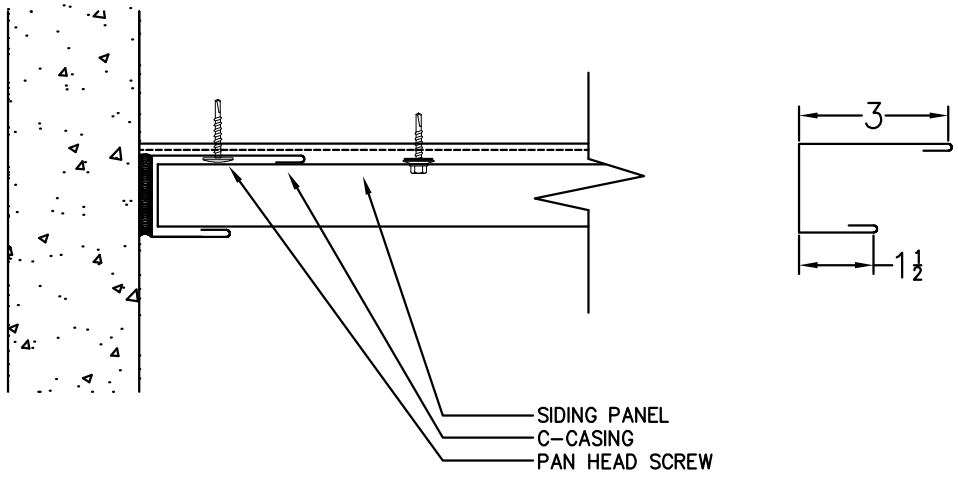

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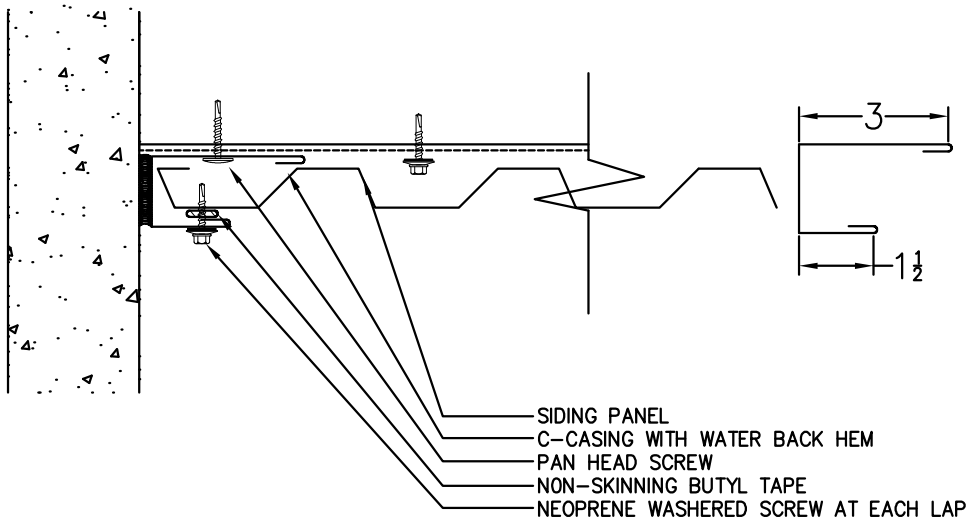

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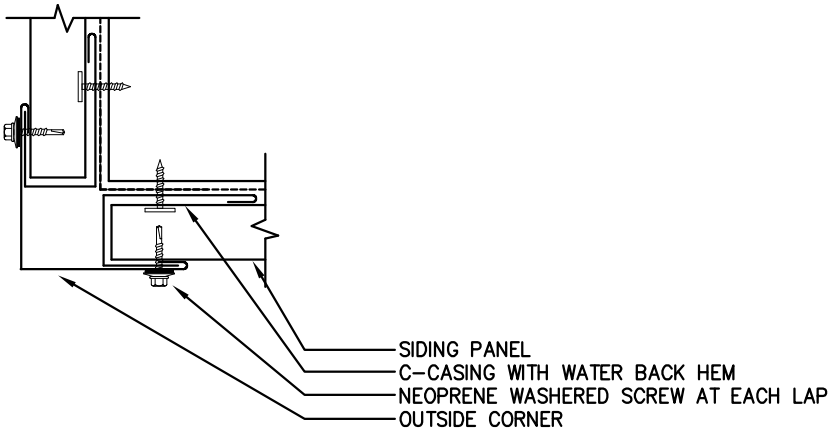

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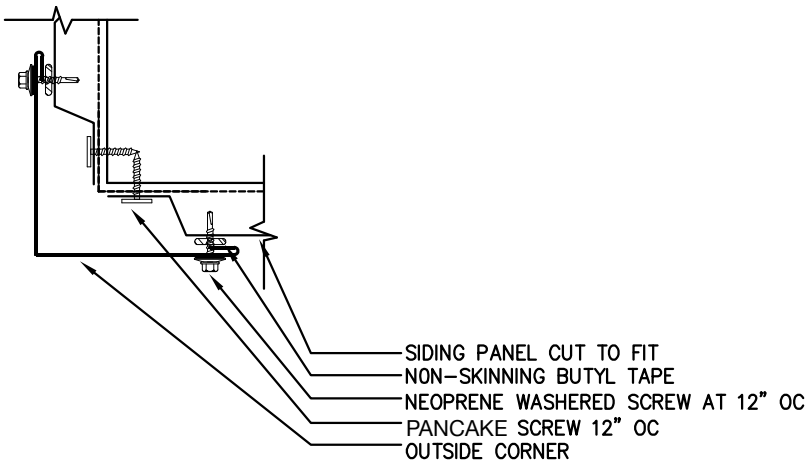
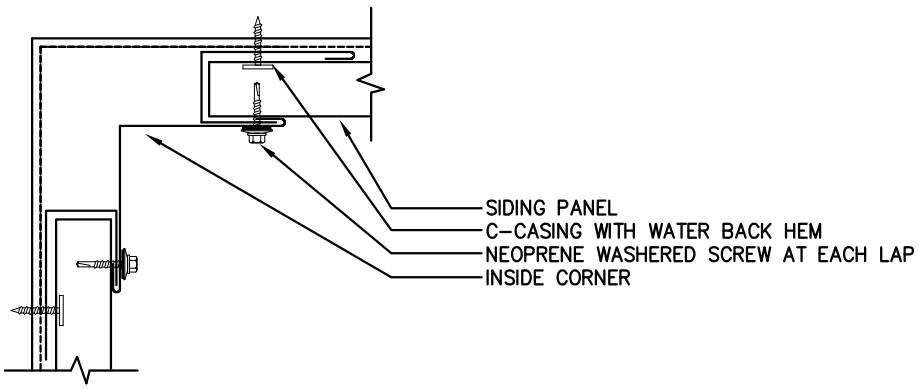
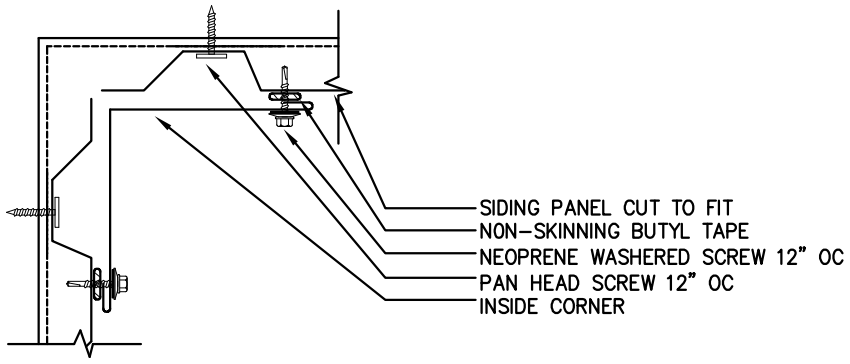


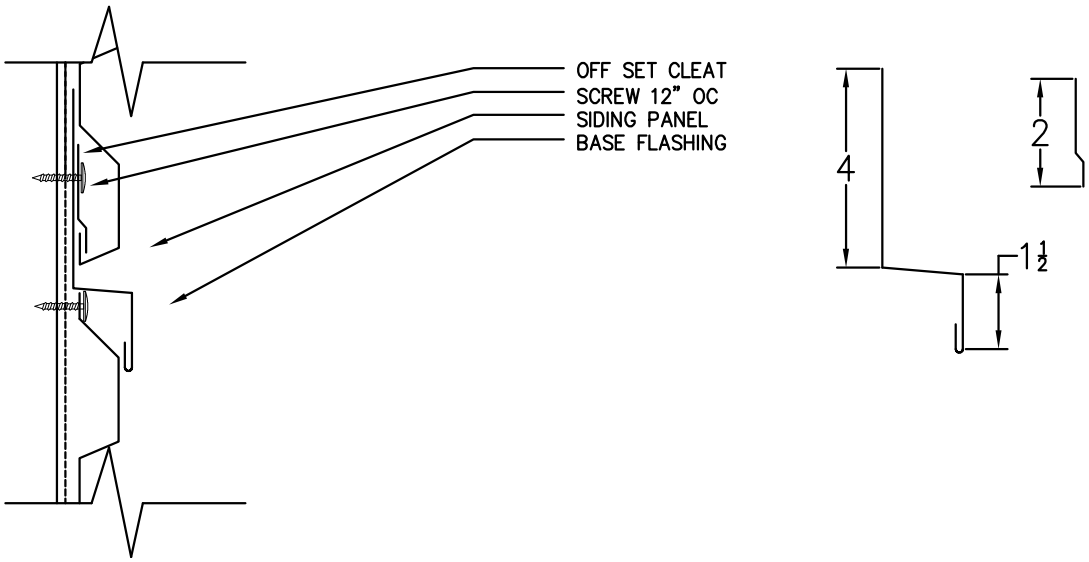
HORIZONTAL



VERTICAL



HORIZONTAL



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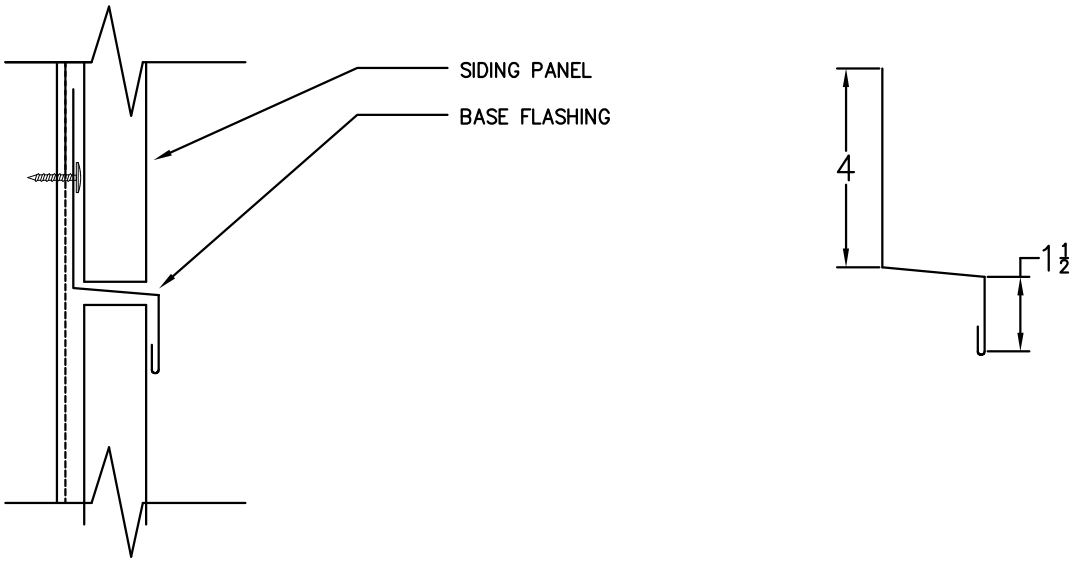
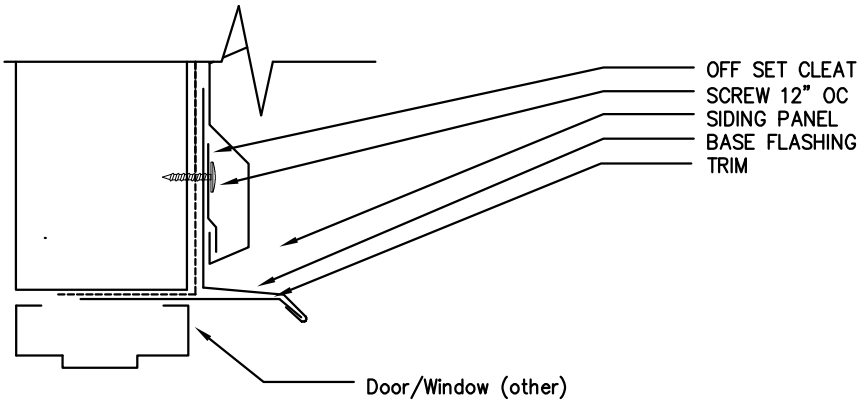
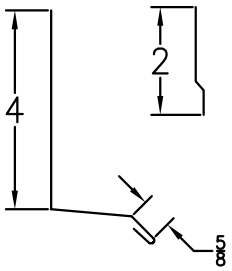
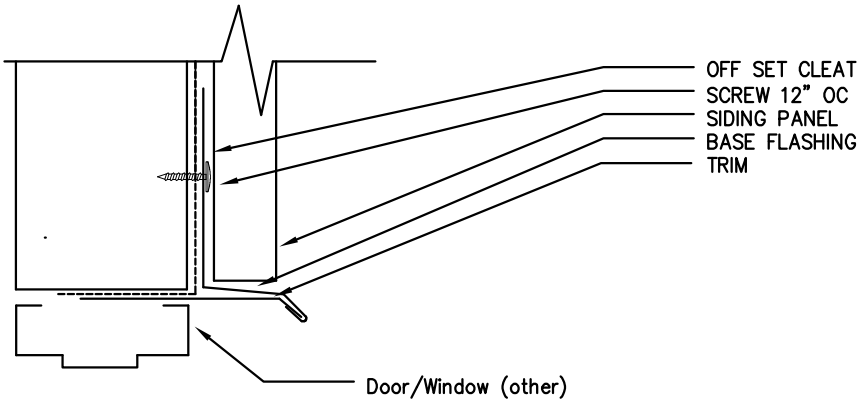


HORIZONTAL

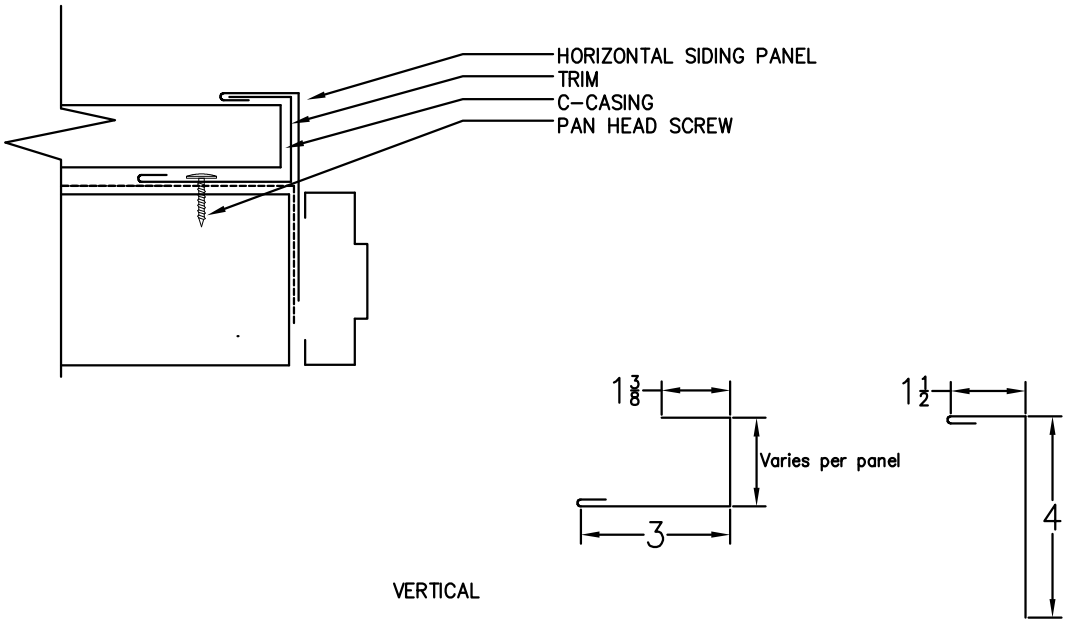




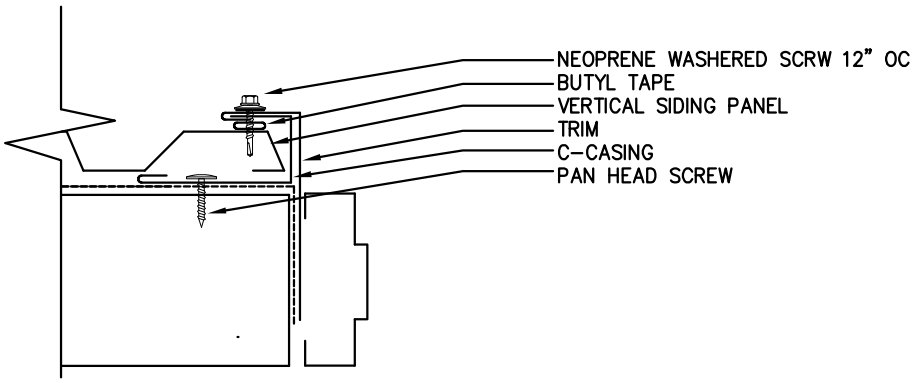
VERTICAL



HORIZONTAL



VERTICAL



7 – Ordering/ Delivery/ Storage

TAYLOR METAL PRODUCTS

Terms and Conditions

1/04

Sales Polices and Procedures

Terms: Oregon and Washington sales will require a 50% deposit with the balance due at the time of delivery, unless credit has been arranged in advance.

- Out of state sales must be prepaid before shipping.
- All credit accounts shall be paid 15 days from the invoice date.
- Late charges of 1.5% per month will be added to all past due accounts.
- See credit application for additional terms.
- Returned checks will incur a $25 returned check fee.

Credit: Credit terms will only be extended to qualified roofing and building contractors as approved by our office. (Please allow 2 weeks to process credit applications.) Accounts may be applied for by submitting a fully completed and properly signed Taylor Metal Products credit application.

Telephone Orders: The customer is responsible for any errors in phone orders. A written acceptance is needed to confirm orders. We prefer to receive a materials list. However, quotes can be prepared from measurements on a drawing or plan view, with customer responsible for confirming final material list.

Quotations: Quotations are good for 30 days, subject to final measurements and color availability.

Bid Projects: Projects with a bid price will include all stated materials. Changes will require written authorization.

Prices: Prices are in effect at the time an order is placed. All orders are FOB Taylor Metal, Salem, Oregon unless other arrangements are made. Prices are subject to change without notice.

Minimum Order: There is no minimum order size except when ordering custom colors or materials.

Canceled Orders: Orders may be canceled at any time prior to material production, with no charge. The customer agrees to pay for any special order material, engineering labor and design charges.

Special Orders: Must be prepaid and are not returnable.

Shipping and Delivery:

Taylor Metal Products Delivery: Job-site delivery is available in Oregon and Washington using our truck and flatbed trailer fleet. Job-sites must have adequate road and unloading clearance.

- Delivery is at the discretion of our truck driver. Our driver must be able to enter and exit without assistance.
- Person(s) signing for acceptance of material must assume the responsibility and cost of tow truck and stand-by time if assistance is needed and any property damage occurs.
- One hour is allotted for unloading. Additional time is charged at $35 per half hour.
- Customer must provide labor and/or equipment to aid in unloading – driver will assist customer.

Common Carrier: Customer is responsible for freight charges at rates predetermined for their location. Claims for damages involving common carriers are the responsibility of the customer.

Damage / Shortage: It is the customer's responsibility to check the material list against items delivered. Any damage must be noted on the delivery slip. Claims for shortages must be reported within 48 hours.

Crating: Taylor Metal Products will crate most shipments outside of the Oregon / Washington area. Please call for current crating rates.

Returned Goods: Panels and flashings are custom made to order and are not returnable. No accessories may be returned without prior consent. Full bags of screws, unused caulk, etc. are returnable after Taylor Metal's inspection. All returns will incur a 10% restocking fee.

Safety: The customer / installer will take full responsibility for installation of Taylor Metal roofing products. It is the customer's responsibility to follow applicable building codes and OSHA safety guidelines.

Warranties: 50 year warranty against rust perforation; 30 year warranty on Kynar 500 paint system. Oil canning is not cause for rejection. (See full warranties for details)

TAYLOR METAL PRODUCTS

Delivery and Will Call

1/04

Delivery & Unloading Policy

Taylor Metal Products, Inc. delivers using diesel trucks with 5th wheel, low-boy flat bed trailers. Overall combined length can be as long as 65 feet. Our fleet includes trucks, with and without knuckle cranes, and a variety of trailer sizes of trailers to assist in deliveries. We will make every effort to accommodate requests for a specific delivery mechanism but we cannot guarantee availability of specific resources.

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.
- Any balance owing on C.O.D invoices.
- Providing adequate resources (1-4 people as needed) for off-loading materials.
- $35 per half hour charge if delivery takes longer than one-hour.

Deliveries 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 failure, road closures, etc. which may affect our schedule.

Will Call & Loading Policies

Flat bed 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.

> Examples are: 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.)

We do offer a delivery service at reasonable rates to accommodate the customer who needs the materials delivered to an accessible job-site.

- Please see our delivery pricing pages for more information.

TAYLOR METAL PRODUCTS

Order Form

To Check a box, Click on the box and type the letter "X"

Fax to: 503-581-6877 **PO#** _____ **Date:** _____

Email to: sales@taylormetal.com

Sold To: _____ **Job Name:** _____

Ship To: _____

Phone # _____

Fax # _____ ☐ **Will Call** ☐ **Delivery** **Date:** _____

Pattern Choice:

12" Easy-Lock ☐	**Soffit** ☐	**GR7** ☐	**Panel Pan:**	**Color:**		
16" Easy-Lock ☐	**Smoothwall** ☐	**GR5** ☐	☐ **Ribs** ☐ **Flat**	**Pitch:**		
16" StreamLine ☐	**T-3** ☐	**PBR** ☐	☐ **Striations**	**Gauge**		
Notched? Y N	**Tuff Rib** ☐	**2-1/2" Corrugated** ☐	**12-3/4" MS150** ☐		**14-5/8" Versa Span** ☐	
		Classic 7/8" Corrugated ☐	**16-5/8" MS150** ☐		**18" Versa Span** ☐	
			14-5/8" MS200 ☐		**18" MS200** ☐	

Panel & Flashing Items

*Easy-Lock, Soffit, & Smoothwall, Clip Lock, MS150, Versa Span, MS200 flashings are 10'

*StreamLine, T-3, Tuff Rib, GR7, PBR, Corrugated, & GR5 flashings are 12'2"

Quantity	Length	Item Description	Quantity	Length	Item Description

Forgetting Anything?

Underlayment? Screws? Clips? Caulking? Closures?

TAYLOR METAL PRODUCTS

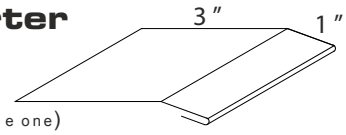
Comp Flashings 28 ga.

ORDER SHEET

Rev. 2/15

FLASHINGS (10 ft. lengths)

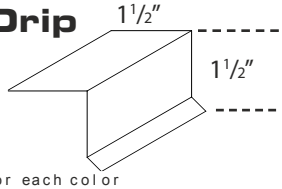
Starter
TCSM



pitch (circle one)
5:12 or 12:12

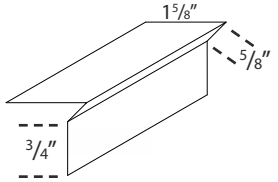
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

1-1/2" Drip
TCDF1



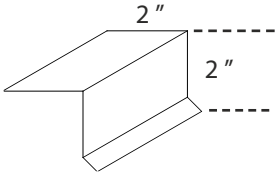
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

T-Metal
TCTM



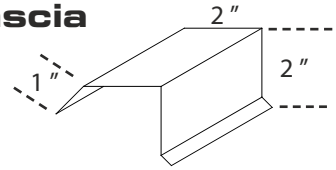
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

2" Drip
TCDF2



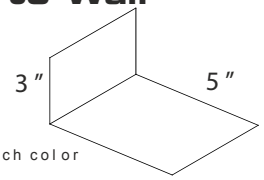
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

2" Fascia
TCF2



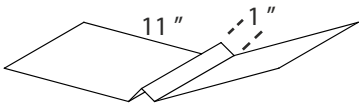
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

3x5 Roof to Wall
TCRTW35



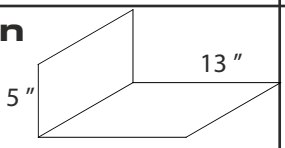
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

24" W-Valley
TCVF



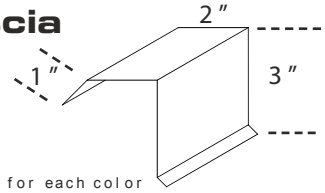
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

5x13 Pan
TCBP513



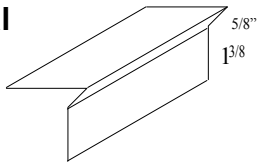
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

3" Fascia
TCF3



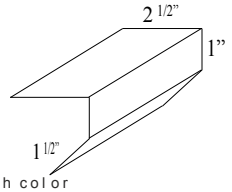
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

Large T-Metal
TCTML



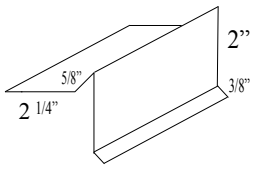
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

Re-Roof
TCRR



order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

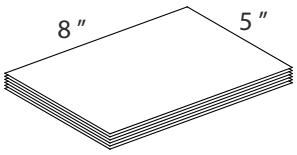
Gravel Stop
TCGS



order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

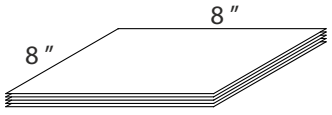
BUNDLES / ROLLS

5x8 Step
TCS58



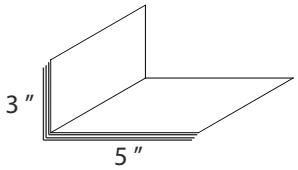
100/Bundle
# of Bundles Ordered: _____

8x8 Step
TCS88



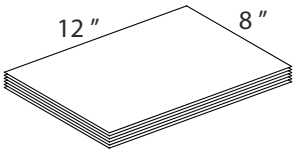
50/Bundle
# of Bundles Ordered: _____

Pre-Bent 3x5x8 Step
TCS358



50/Bundle
# of Bundles Ordered: _____

8x12 Step
TCS812



50/Bundle
# of Bundles Ordered: _____

50' Rolls
TCR850, TCR1250, TCR1450

		select width		
Blk / Br	_____ rolls	8"	12"	14 ″
Gray / Wh	_____ rolls	8"	12"	14 ″
Galvanized	_____ rolls	8"	12"	14 ″
Primer	_____ rolls	8"	12"	14 ″

Other

Specifcations subject to change without notice

4566 RIDGE DR.NE • SALEM, OR 97301 • 503.581.8338 • 800.574.1388 • TAYLORMETAL.COM • FAX 503-581-6877

TAYLOR METAL PRODUCTS

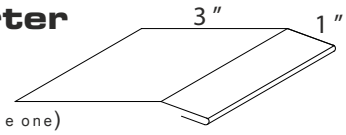
Comp Flashings 26 ga.

ORDER SHEET

Rev. 2/15

FLASHINGS (10 ft. lengths)

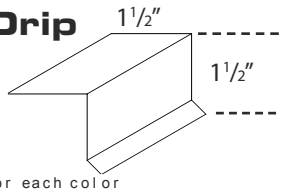
Starter
TCSM



pitch (circle one)
5:12 or 12:12

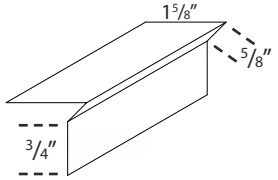
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

1-1/2" Drip
TCDF1



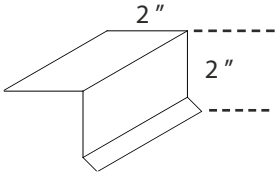
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

T-Metal
TCTM



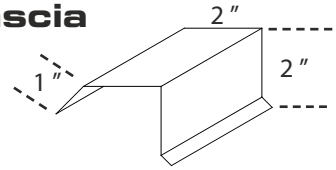
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

2" Drip
TCDF2



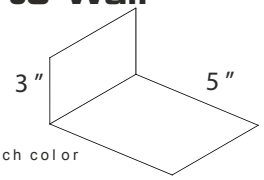
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

2" Fascia
TCF2



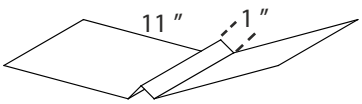
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

3x5 Roof to Wall
TCRTW35



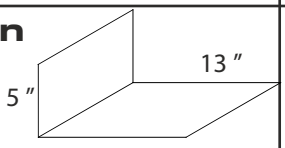
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

24" W-Valley
TCVF



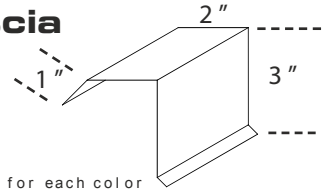
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

5x13 Pan
TCBP513



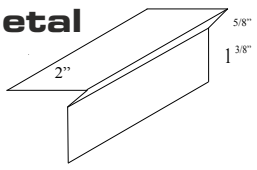
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

3" Fascia
TCF3



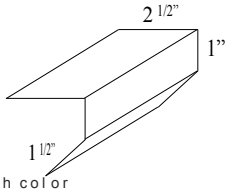
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

Large T-Metal
TCTML



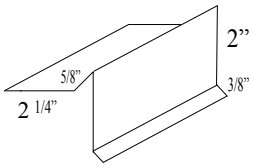
order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

Re-Roof



order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

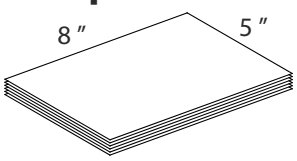
Gravel Stop
TCGS



order quantity, for each color
Black _____ Gray _____ Primer_____
Brown_____ White _____ Galv. _____

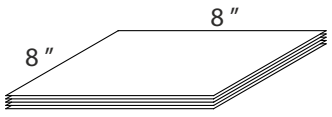
BUNDLES / ROLLS

5x8 Step
TCS58



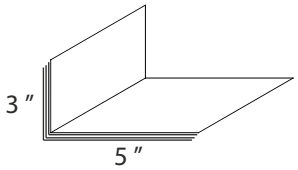
100/Bundle
# of Bundles Ordered: _____

8x8 Step
TCS88



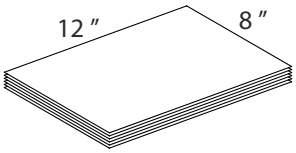
50/Bundle
# of Bundles Ordered: _____

Pre-Bent 3x5x8 Step
TCS358



50/Bundle
# of Bundles Ordered: _____

8x12 Step
TCS812



50/Bundle
# of Bundles Ordered: _____

50' Rolls
TCR850, TCR1250, TCR1450

		select width		
Blk / Br	_____ rolls	8"	12"	14 ″
Gray / Wh	_____ rolls	8"	12"	14 ″
Galvanized	_____ rolls	8"	12"	14 ″
Primer	_____ rolls	8"	12"	14 ″

Other

Specifcations subject to change without notice

4566 RIDGE DR.NE • SALEM, OR 97301 • 503.581.8338 • 800.574.1388 • TAYLORMETAL.COM • FAX 503-581-6877

TAYLOR METAL PRODUCTS

Custom Trim Order

Customer Name: _____ Job Name: _____

Drawing #:___ Pitch: _____ # of Pieces: _____

Description:_____

Hems: ☐ Open ☐ Closed ☐ Slightly Open

Drawing #:___ Pitch: _____ # of Pieces: _____

Description:_____

Hems: ☐ Open ☐ Closed ☐ Slightly Open

Drawing #:___ Pitch: _____ # of Pieces: _____

Description:_____

Hems: ☐ Open ☐ Closed ☐ Slightly Open

Drawing #:___ 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

Sample Request Form

TAYLOR METAL PRODUCTS

Fax To: 503-581-6877
Email To: sales@taylormetal.com

Date: _____

Company: _____
Contact: _____
_____
Phone # _____
Fax # _____

Ship To: _____
_____
_____

Requested By: _____
Requested Ship Date: _____

Panel Samples:

12" Easy-Lock™	☐	T-3	☐	GR5	☐	Clips	☐
16" Easy-Lock™	☐	Tuff Rib	☐	Versa Span	☐	Hookeave	☐
16" StreamLine	☐	GR7	☐	MS200	☐	7.25	☐
Soffit	☐	PBR	☐	GR5	☐	Box Rib	☐
Smoothwall	☐	2-1/2" Corrugated	☐	Clip Lock	☐	Reverse Box Rib	☐
Reveal	☐	7/8" Corrugated	☐	MS150	☐	Classic V Rib	☐
Contour_____	☐	___Inch Reveal	☐				
Trusscore™	☐						

Color _____
Gauge _____
Pan _____
Notched? _____
Width _____
Length: _____

Metal Chips

☐ Kynar 500 Chip Set
☐ SMP Chip Set
☐ Kynar Color Chart
☐ SMP Color Chart

☐ Single Chips: _____
_____
_____

Other Materials:

☐ Install Guide: _____
☐ Spec Pace: _____
☐ Product Binder
☐ Other: _____

Sender's Notes

Weight: _____ Price: _____
Mail type: _____ Date sent: _____
Package Dimensions: _____
Tracking Number: _____

8 – Credit Application

TAYLOR METAL PRODUCTS

CREDIT APPLICATION

and Agreement on Credit Terms

INFORMATION *(Must be filled in completely)*

Business Name: _____ Type of Business: _____

Applicant's Name: _____ Telephone: _____

Mailing Address: _____

Street Address: _____

email: _____ Website: _____

Contractors License No.: _____ Year Incorporated or Registered: _____

Name of Bonding Co.: _____ Bond No.: _____

Business is: ❑ Corporation ❑ Partnership ❑ Individual Federal Tax I.D. No.: _____

Monthly Credit Limit Requested $_____ Accts. Payable Contact Person: _____

OWNERSHIP *(Continue on additional pages if necessary)*

Name: _____ Home Address: _____

Title: _____ _____

Social Security No.: _____ Percent Ownership: _____ Home Phone: _____

Name: _____ Home Address: _____

Title: _____ _____

Social Security No.: _____ Percent Ownership: _____ Home Phone: _____

TRADE REFERENCES *(Continue on additional pages if necessary)*

Name: _____ Phone: _____

Address: _____ Fax No.: _____

Name: _____ Phone: _____

Address: _____ Fax No.: _____

Name: _____ Phone: _____

Address: _____ Fax No.: _____

BANK INFORMATION

Name: _____ Branch: _____

Address: _____ Phone No.: _____

Account No.: _____ Name of Bank Rep. to Contact: _____

The applicant warrants and represents that the above information is complete and accurate, and acknowledges that Taylor Metal, Inc. ("Taylor") is relying on such information in deciding whether or not to grant credit. Permission is hereby granted to Taylor and its employees or agents to verify credit information from references and information provided, and to make all other pertinent credit inquiries as deemed necessary by Taylor to make a credit determination, including but not limited to, requesting actual account balances. Applicant further acknowledges by the execution of this application that in the event Taylor shall elect to provide services to applicant on credit, then both Taylor and applicant shall be subject to the further terms and conditions appearing on page 2 of application. No contrary, additional or different terms will be binding upon Taylor unless expressly agreed to in writing by a duly authorized representative of Taylor.

Consumer Credit Reports:

In the event that the Applicant(s) is/are individual(s) or is a partnership, the signing of this Agreement shall constitute authorization under the Fair Credit Reporting Act for Taylor to utilize consumer credit reporting agencies to provide reports on said individual(s) or partners in order to permit Taylor to appropriately evaluate the extension of any business credit to the Applicant. Additionally, should any individual(s) guarantee the debt of the Applicant, said individual(s) shall be provided with a copy of this Application, and upon the signing of said guarantee, shall consent to Taylor's use of consumer credit reporting agency reports to assist in the evaluation of the credit of said guarantor(s) for the extension of business credit to the Applicant.

_____ _____ _____

Authorized Signature of Applicant Print Name Title

Date: _____ Soc. Sec. No. _____

The Applicant agrees that a fax copy of the Application is original and binding and, if accepted by Taylor, creates an original and binding agreement between parties.

Revised 11/08

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TAYLOR METAL PRODUCTS

CREDIT APPLICATION - Page 2

Sign at bottom and return this sheet

1. **Payment:** Payment is due in full fifteen (15) days after invoice date. A 1 1/2% per month late charge will be assessed on all delinquent balances. Amounts are paid when they are physically received by Taylor and not when they are deposited in the mail by Buyer. Buyer is obligated to pay for all goods purchased. Invoices are not payable in installments, but are payable as described above. Taylor may apply payments to any outstanding balances in its sole discretion, regardless of how Buyer indicates payments should be applied. Taylor must apply payments in good faith.
2. **Price:** The price shall be the price at the time of order according to Taylor's pricing policy then in effect. Buyer shall promptly inspect all invoices upon receipt and shall notify Taylor in writing of any inaccuracy within 10 days of actual receipt of the invoice. In the event Buyer does not act within the time limit provided, Buyer agrees that it shall be conclusively presumed to have accepted the invoices as accurate and to have waived any right to object.
3. **Delivery:** Buyer shall notify Taylor of Buyer's requested schedule of delivery. Deliveries are based on production estimates. Buyer agrees that no consequential, incidental, liquidated, or other damages of any kind shall be recoverable from Taylor for delivery, nondelivery, sale or use of goods regardless of whether arising out of any strikes, accidents or delays beyond Taylor's control, acts of God, transportation delays, fire, civil or military authority or by insurrection or riot, by requirements of any statute, order or directive of any proper government authority or by any other cause which is unavoidable or beyond Taylor's control; and Buyer's rights now existing or arising at any time in the future, to recover such damages is hereby waived, released and discharged.
4. **Security Interest:** Taylor shall retain a security interest in all property which is provided under this Agreement until any account is paid in full. Buyer agrees to execute all instruments required by Taylor to evidence and perfect that security interest.
5. **Returns:** Buyer will promptly inspect materials upon receipt and shall notify Taylor in writing of any nonconformity or defect within four (4) days following actual delivery or performance data. In the event Buyer does not act within the time limit provided above, Buyer agrees that it shall be conclusively presumed to have accepted the goods and waived its right to revoke acceptance. Buyer's sole and exclusive remedy is replacement of the nonconforming goods and refund of Buyer's payment is at Taylor's sole discretion. NO flashings may be returned. Accessories are returnable only after inspection and approval by Taylor to determine condition.
6. **Future Deliveries:** All invoices must be current before Taylor will make delivery of future orders. Timely performance by Taylor is contingent upon Buyer's supplying to Taylor, when needed, all required technical information, including drawing approval, and all required documentation. Taylor reserves the right to revoke or reduce credit, or terminate orders, if: (a) Buyer fails to pay for any materials when due; or (b) the sale will cause Buyer to exceed its credit limit as determined by Taylor; or (c) in the judgment of Taylor there has been an adverse change in Buyer's financial condition. If any of the above occur, Taylor shall have the right to demand payment or other adequate assurance before shipment or sale of any further materials.
7. **Shipment:** Goods are sold F.O.B., Salem, Oregon. All risk of injury and loss shall rest on Buyer upon delivery to carrier, and Buyer, at its own expense, shall insure and keep the goods insured in favor of Taylor until the entire purchase price is paid in full, except in the case of seller delivery, the risk of loss would begin upon receipt of goods by the Buyer.
8. **Conflict:** This Agreement shall be construed and enforced according to the laws of the state of Oregon. Buyer agrees to jurisdiction of the courts in the state of Oregon and agrees that venue for any suit or action shall, at Taylor's option, be in Marion County, Oregon; or in the county and state in which the materials are delivered.

   Each party, at such party's option, shall have the right to require that any claim, controversy, or dispute between the parties, including but not limited to those arising out of or in relating to the Agreement, and including those passed on or arising from any statute, constitution, regulation, ordinance, rule or alleged tort, be determined by arbitration in accordance with the then effective arbitration rules of Arbitration Service of Portland, Inc. and any judgment upon the award rendered pursuant to such arbitration may be entered in any court having jurisdiction thereof. If litigation has been commenced in court by either party with respect to a dispute (in hope that a default judgment could be obtained):

   (a) The party who is the defendant or respondent in such litigation shall be deemed to have waived its option to arbitrate said dispute if such party files a general appearance in the litigation prior to filing a claim in arbitration in the manner specified above, and

   (b) the plaintiff or petitioner in such litigation will be deemed to have waived its right to arbitrate said dispute if such party fails to file a claim for arbitration in the manner specified above within sixty (60) days after a general appearance in the litigation has been filed by the party who is the defendant or respondent in the litigation.

   If either party exercises its option to arbitrate, arbitration of such dispute shall be mandatory and any pending litigation shall be stayed.
9. **Fees:** In the event any arbitration, suit or action is necessary, whether or not a suit is filed, to enforce the terms of this Agreement, the prevailing party shall recover, and the losing party hereby agrees to pay, all costs and reasonable attorneys' fees incurred in such arbitration, suit or action in any court, bankruptcy, or arbitration proceeding, or in any appellate court, to be fixed by the arbitrator or the court, and all such fees and costs in the collection of any judgment rendered herein. Without limiting the foregoing, Buyer specifically agrees to pay all of Taylor's collection agency fees, attorneys' fees and costs in preparing, filing, releasing, foreclosing, and/or satisfying any construction lien or bond claim arising by reason or in any way relating to Buyer's default payment to Taylor.

These terms shall prevail, regardless of what a purchase order states. As a result of this Application or otherwise, should a credit availability be granted by Taylor to the Applicant, all decisions with respect to the extension or continuation of credit shall be in the sole discretion of Taylor, and the Applicant shall be bound by all of the terms set forth in this Application and payment terms on any invoice. Taylor may terminate or modify any credit availability at any time within its sole discretion.

As a condition of the continued extension of credit by Taylor, the Applicant agrees at Taylor's request to provide to Taylor updated financial information. The Applicant further agrees to provide Taylor with an updated credit application on request as a condition for the continued extension of credit.

Agreement to Terms and Conditions as Stated Above:

Applicant's Signature	Business Name	Date

Revised 11/08

TAYLOR METAL PRODUCTS

PERSONAL GUARANTY

(if Applicant is a Corporation)

Addendum to Credit Application & Agreement on Credit Terms

In consideration of Taylor Metal, Inc. ("Taylor") furnishing goods and/or services on credit to

_____ (hereinafter referred to as the "Company"),
(Write company name here)

the undersigned unconditionally and personally guarantees the payment obligations of Company to Taylor. This shall be a continuing guarantee and covers all present and future liability of Company to Taylor. Taylor may have recourse against the undersigned without first exhausting its remedies against Company. Taylor may extend the period of credit and renew any notes which Taylor may at any time hold, and grant Company any indulgence or otherwise compromise with Company as Taylor may decide without notice to me and without discharging or in any way affecting my liability. The undersigned waives notice of acceptance of this guarantee and notice of any and all defaults in performance by Company. The undersigned further agrees to pay Taylor's collection costs, whether or not suit is filed, including court costs, collection agency fees, and attorney fee's incurred in any court, bankruptcy, arbitration or administrative proceedings.

If more than one individual is signing below, their liability shall be joint and several.

_____	_____
Individual Name	Individual Name
_____	_____
Address	Address
_____	_____
Signature (as an individual)	Signature (as an individual)
_____	_____
SS#	SS#
_____	_____
Date	Date

The Applicant agrees that a fax copy of the Application is original and binding and, if accepted by Taylor, creates an original and binding agreement between parties.

Revised 11/08