

Product Page No.

Panel Information

Span-Line 36A Panel Profile..... PSP-2
 Panel Overview PSP-2

Flashing Profiles

Span-Line 36A Inside Corner PSP-3
 Span-Line 36A Outside Corner..... PSP-3
 1.5" Sill/Head PSP-3
 1.5" Sill to Soffit PSP-3
 1 1/4" Base PSP-3
 Span-Line 36A Jamb PSP-3
 Head Channel..... PSP-3
 Head/Jamb Cover..... PSP-3

Accessory Profiles

Span-Line 36A Closures PSP-4
 Universal Closure PSP-4
 Tube Sealant PSP-4
 Tape Sealant..... PSP-4
 Touch-Up Paint PSP-4
 Continuous Ridge Vent..... PSP-4
 Louver with Screen..... PSP-4
 Span-Line 36A Panel Shear PSP-4

Testing Information

Section Properties and General Information PSP-5

Design/Installation Considerations

Fastener Installation Technique..... PSP-6
 Condition of Substructure..... PSP-6
 Fastening Information..... PSP-7

Detail Conditions

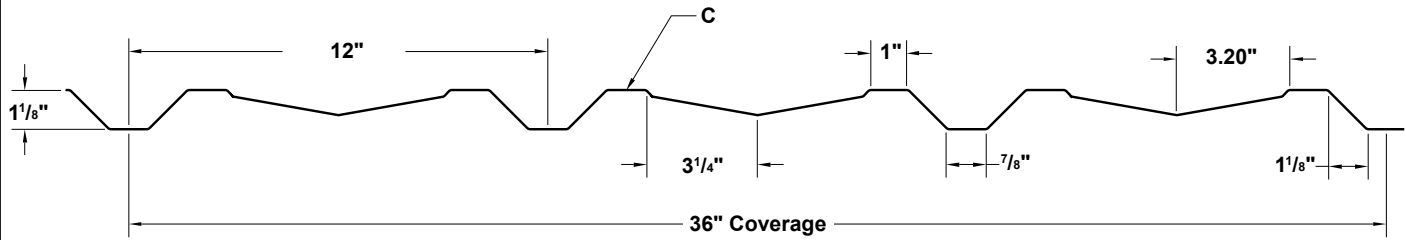
Outside Corner Detail PSP-8
 Inside Corner Detail..... PSP-8
 Jamb Detail..... PSP-9
 Head Detail..... PSP-9
 Base Detail PSP-10

Notes

Notes PSP-10, 11

SPAN-LINE 36A PANEL OVERVIEW

PANEL PROFILE



SLOPE

Span-Line 36A is designed for wall applications and should not be used as a roof panel.

SUBSTRATE

Span-Line 36A is designed to be utilized over open structural framing, but can easily be used with a solid substrate. The recommended substrate is 5/8" plywood with a 30 pound felt moisture barrier. To avoid panel distortion, use a properly aligned and uniform substructure.

COVERAGE

Span-Line 36A panels have a coverage of 36" and a rib height of 1 1/8".

LENGTH

Lengths under 5'-0" are available with some cutting restrictions. Maximum recommended panel length is 45'-0". Longer panels require additional consideration in packaging, shipping and erection. Please consult your Metal Sales branch for recommendations (see PGI-2 and PGI-3 for locations).

AVAILABILITY

Panels are available in 26, 24 and 22 gauge (minimum quantity may apply).

APPLICATION

Commercial, Industrial and Architectural panels

FASTENING SYSTEM

Direct Fastened (exposed)

FASTENERS

The fastener selection guide should be consulted for choosing proper fasteners for specific applications. Quantity and type of fastener must meet necessary loading and code requirements (see PGI-12 through PGI-14).

MATERIALS

26 gauge steel: Grade 80 per ASTM A 792
24 and 22 gauge steel: Grade 50 per ASTM A 792

FINISH

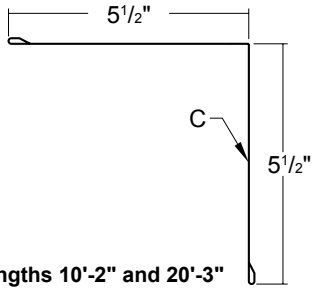
- ▶ *Acrylic Coated Galvalume® (ACG), AZ55 per ASTM A 792
- ▶ Prepainted Galvalume®, AZ50 per ASTM A 792
- ▶ MS Colorfast45®
- ▶ **PVDF

* Differential appearance of Acrylic Coated Galvalume® roofing materials is not a cause for rejection.

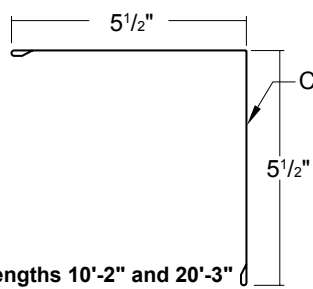
** Meets both Kynar 500® and Hylar 5000® specifications.

SPAN-LINE 36A FLASHING PROFILES

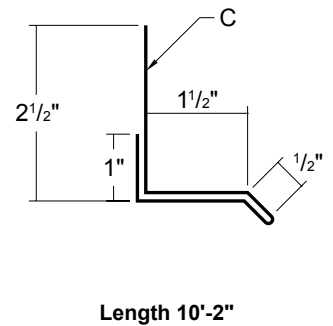
SPAN-LINE 36A INSIDE CORNER



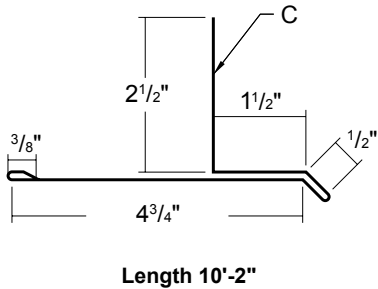
SPAN-LINE 36A OUTSIDE CORNER



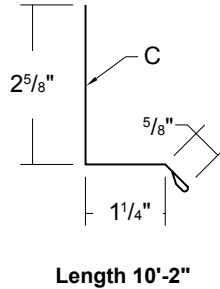
1.5" SILL/HEAD



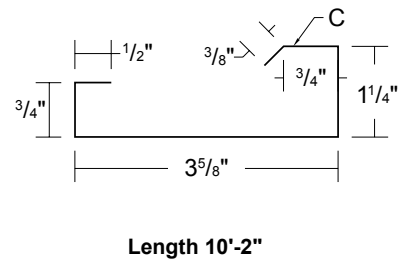
1.5" SILL TO SOFFIT



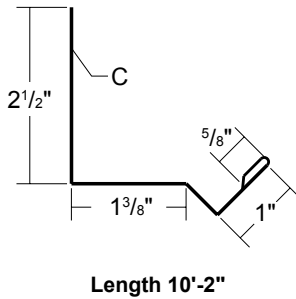
1 1/4" BASE



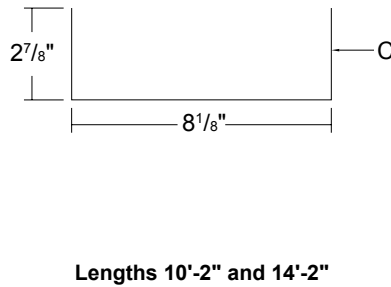
SPAN-LINE 36A JAMB



HEAD CHANNEL



HEAD JAMB COVER



**SPAN-LINE 36A
CLOSURES**



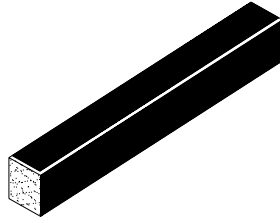
Outside Closure



Inside Closure

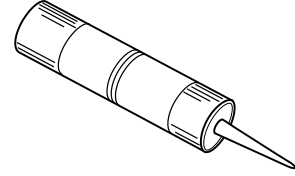
Polyethylene Foam

UNIVERSAL CLOSURE



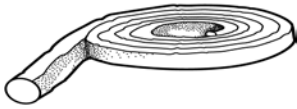
1" x 1 1/2" x 50' Polyethylene Foam
1" x 1 1/2" x 10' Polyethylene Foam

TUBE SEALANT



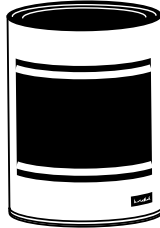
10.3 oz. Cartridge
Urethane

TAPE SEALANT



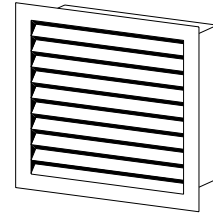
3/8" X 3/32" X 50'
Single Bead Tape Sealant
Butyl - Gray

TOUCH-UP PAINT



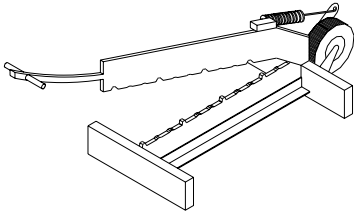
Available in 2 oz Bottles
PVDF / MS Colorfast45®

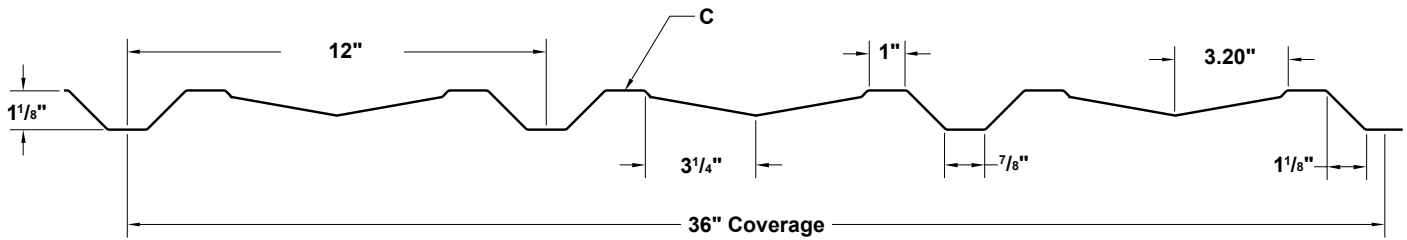
LOUVER WITH SCREEN



3' x 3', 3' x 4'

**SPAN-LINE 36A PANEL
SHEAR**

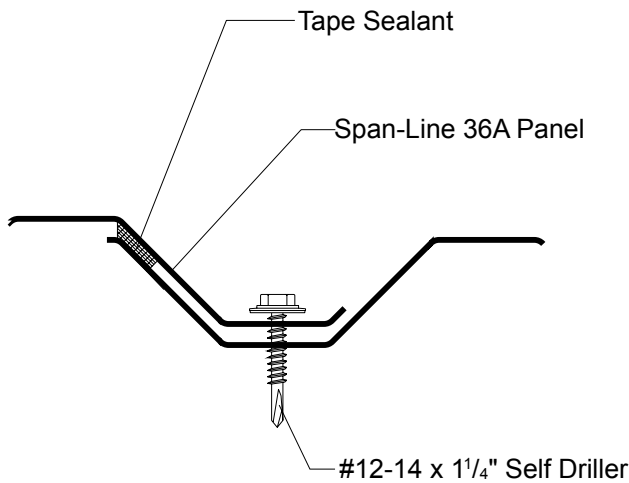




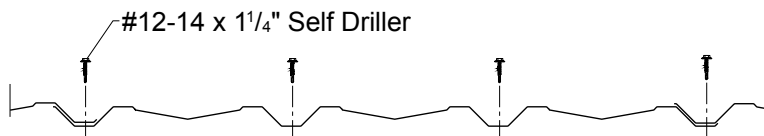
SECTION PROPERTIES								ALLOWABLE UNIFORM LIVE LOADS psf (3 or More Equal Spans)											
Ga	Width in	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load						Outward Load					
				Ixx in ⁴ /ft	Sxx in ³ /ft	Ixx in ⁴ /ft	Sxx in ³ /ft	2'	3'	4'	5'	6'	7'	2'	3'	4'	5'	6'	7'
26	36	80	0.81	0.0251	0.0371	0.0233	0.0313	196	92	53	34	21	13	224	107	62	37	21	13
24	36	50	1.06	0.0354	0.0497	0.0338	0.0463	255	117	67	43	28	18	272	125	71	46	28	18
22	36	50	1.40	0.0471	0.0651	0.0454	0.0621	347	158	90	58	37	23	362	164	94	60	37	23

- Theoretical section properties have been calculated per AISI 2012 "Specifications for the Design of Cold-formed Steel Structural Members." Ixx and Sxx are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal span condition. Allowable load does not address web crippling, fasteners/support connection or load testing. Panel weight is not considered.
- Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
- Allowable loads do not include a 1/3 stress increase in uplift.

ATTACHMENT DETAIL



FASTENING PATTERN




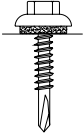
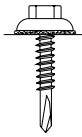
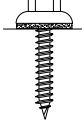
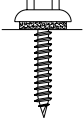
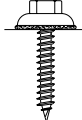
GENERAL INFORMATION

- Substructure**
 Span-Line 36A is designed to be utilized over open structural framing but can easily be used with a solid sub-structure. To avoid panel distortion use a properly aligned and uniform substructure.
- Coverage**
 Span-Line 36A panels are available in a 1 1/8" rib height with a coverage width of 36".
- Length**
 Minimum factory cut length is 5'-0". Maximum recommended panel length is 45'-0". Longer panels require additional consideration in packaging, shipping and erection. Please consult Metal Sales for recommendations.
- Fasteners**
 The fastener selection guide should be consulted for choosing the proper fastener for specific applications. Quantity and type of fastener must meet necessary loading and code requirements.
NOTE: All panels are subject to surface distortion due to improperly applied fasteners. Overdriven fasteners will cause stress and induce oil canning across the face of the panel at or near the point of attachment.
- Availability**
Finishes: Acrylic Coated Galvalume®, MS Colorfast45® and PVDF (Kynar 500®)
Gauges: 26 ga and 24 ga standard, 22 ga optional

FASTENER INSTALLATION TECHNIQUE

Recommended Tool Type - Use depth locating nose or adjustable clutch on screw gun to prevent overdrilling and strip out. **Do not use impact tools or runners.**

Seating the washer - Apply sufficient torque to seat the washer - do not overdrive the fastener.

	CORRECT Sealing material slightly visible at edge of metal washer. Assembly is watertight.	TOO LOOSE Sealing material is not visible; not enough compression to seal properly.	TOO TIGHT Metal washer deformed; sealing material pressed beyond washer edge.
SELF DRILLER			
WOODSCREW			

To prevent wobbling - Make sure fastener head is completely engaged in the socket. If the head does not go all the way in the socket - tap the magnet deeper into the socket to allow full head engagement. Metal chips will build up from drilling and should be removed from time to time.

Protect drill point - Push only hard enough on the screw gun to engage clutch. This prevents excess friction and burn out of the drill point. Correct pressure will allow screw to drill and tap without binding.

Drilling through sheet and insulation - Ease up on pressure when drilling through insulation to avoid striking the purlin or girt with the point - apply more pressure after drill point contacts purlin or girt.

Drilling through purlin overlaps - Drilling through lapped purlins requires extra care. Excessive voids between purlins sometimes damages drill points and two self-drillers might be necessary to complete the operation. It is sometimes advantageous to predrill.

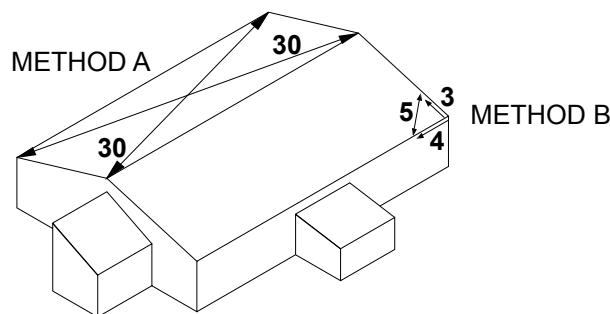
CONDITION OF SUBSTRUCTURE

Whether over solid substrate or open structural framing, panel distortion may occur if not applied over properly aligned and uniform substructure.

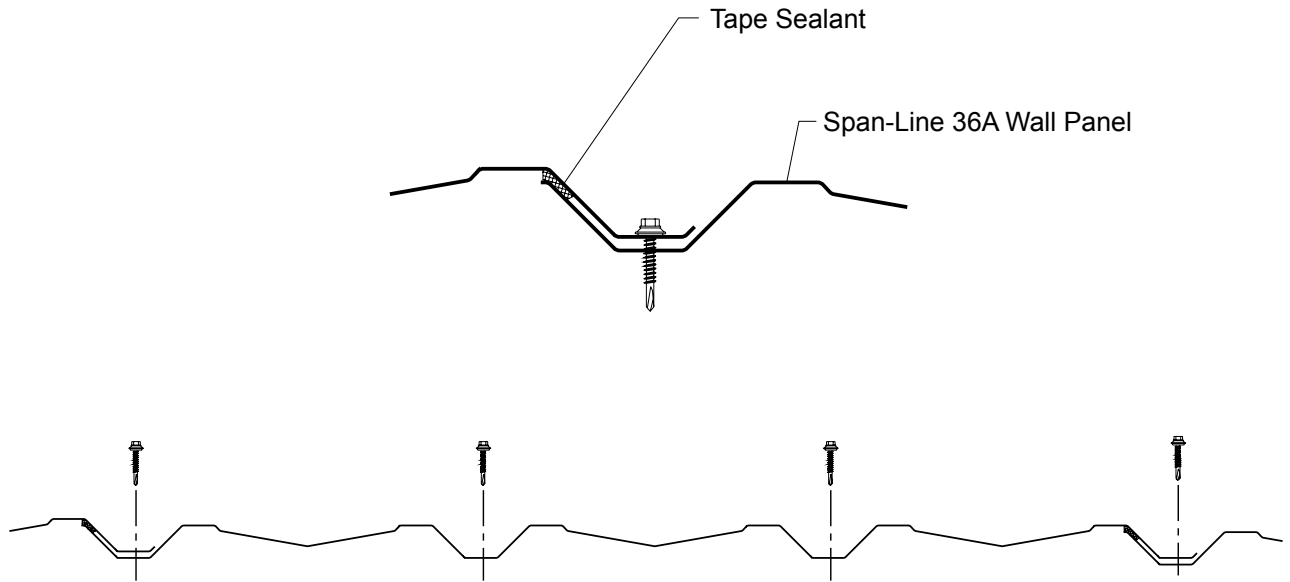
The installer should check the roof deck for squareness before installing Span-Line Panels. Several methods can be used to verify squareness of the structure for proper installation of the panels.

METHOD "A" - One method for checking the roof for squareness is to measure diagonally across one slope of the roof from similar points at the ridge and eave and obtain the same dimension.

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

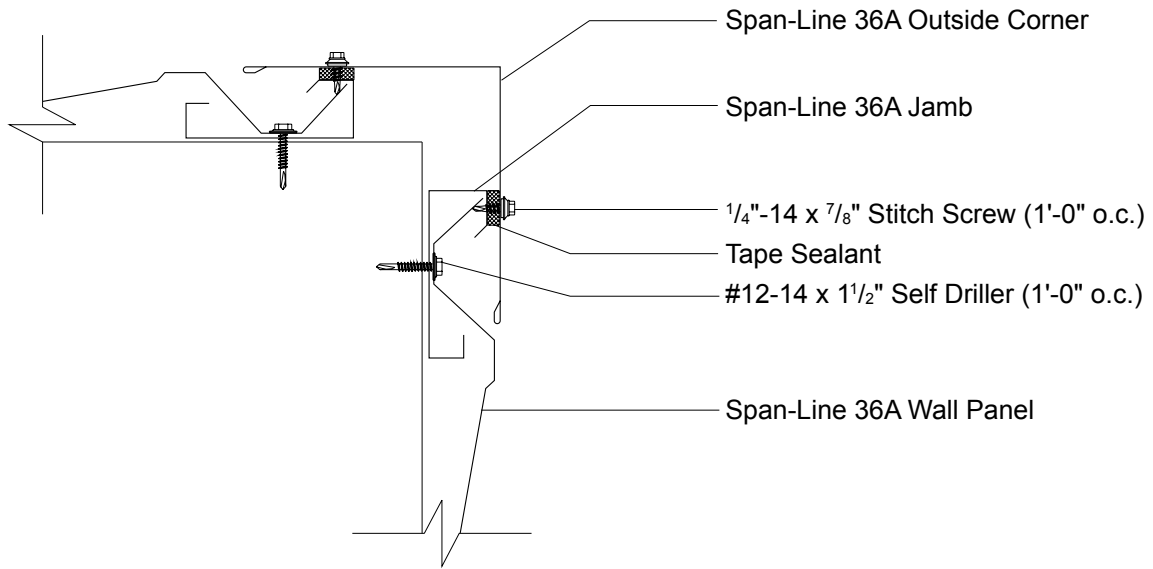


SPAN-LINE 36A FASTENING PATTERN

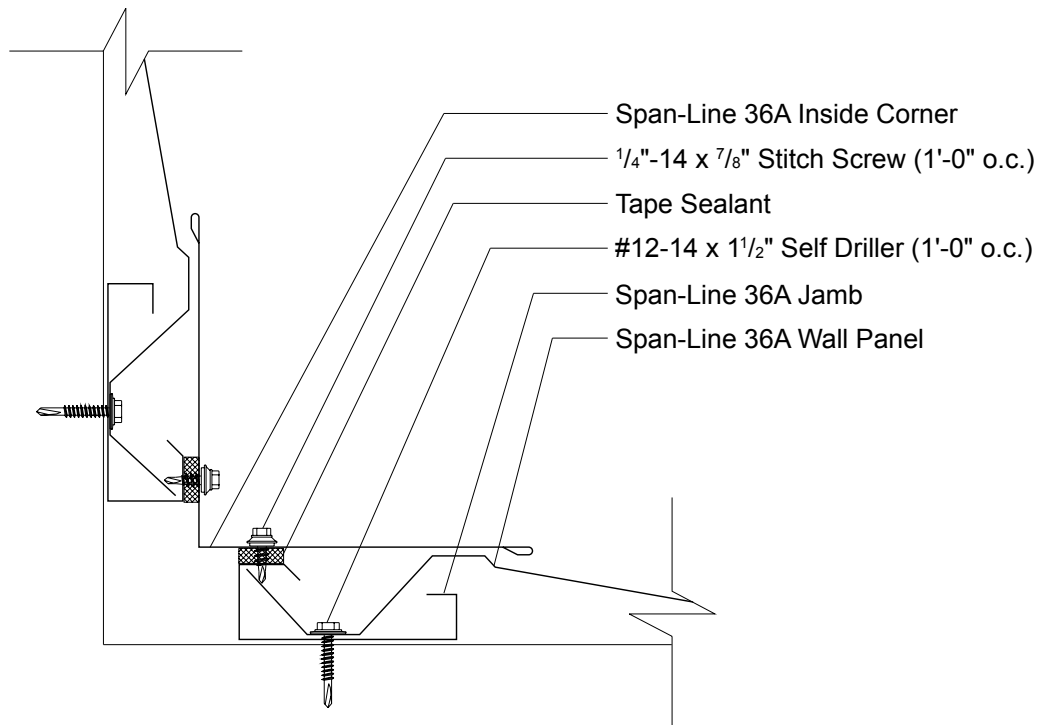


Span-Line 36A Fastening Pattern

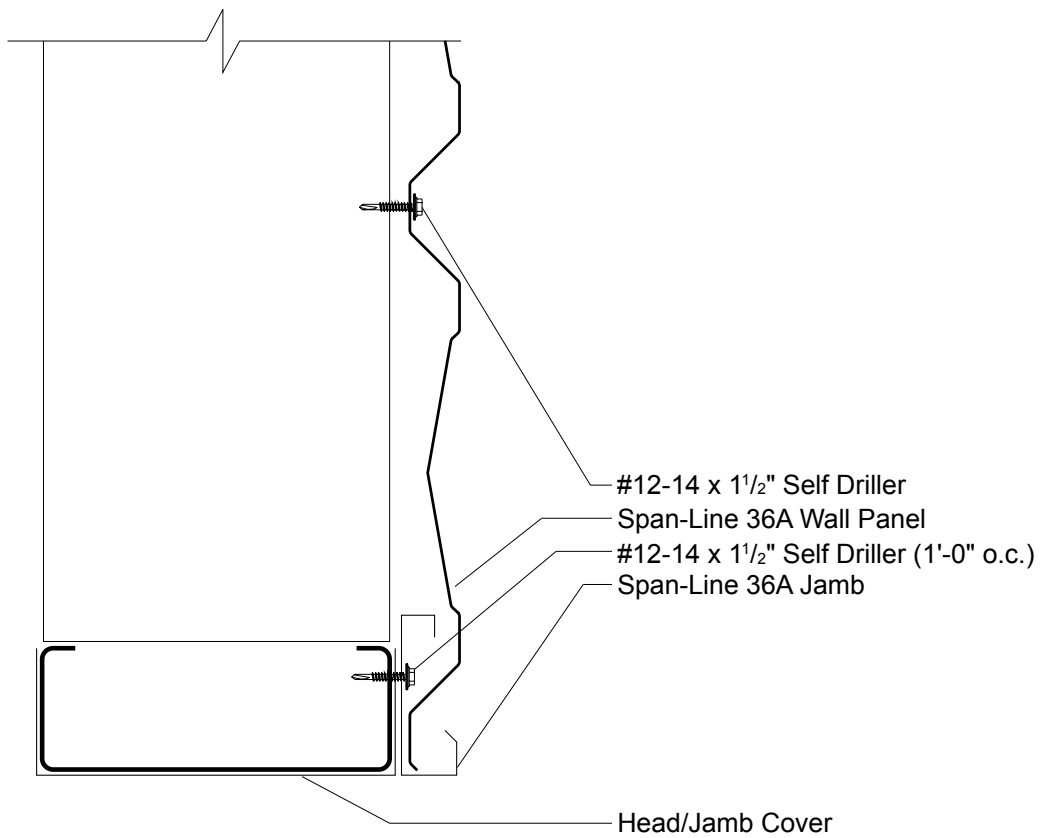
SPAN-LINE 36A OUTSIDE CORNER DETAIL



SPAN-LINE 36A INSIDE CORNER DETAIL



SPAN-LINE 36A JAMB DETAIL



SPAN-LINE 36A HEAD DETAIL

