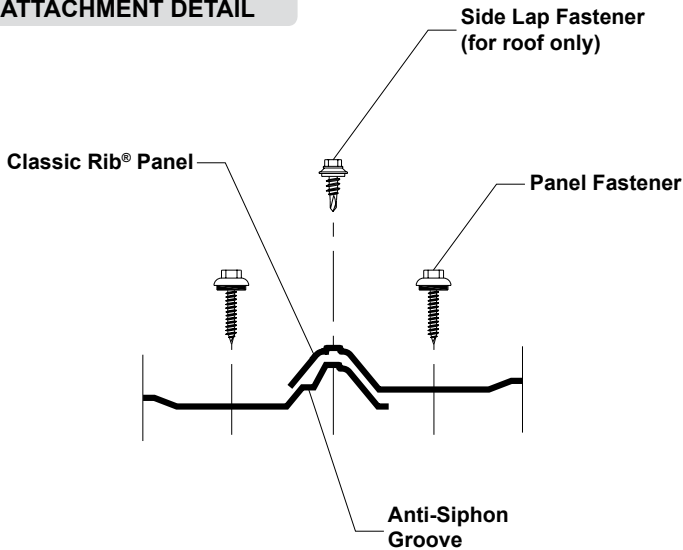


### ATTACHMENT DETAIL



### FASTENER INFORMATION

Overdriven fasteners will cause panel distortions.

Fasteners should extend 1/2" or more past the inside face of the support material.

Thick panels (ex. 18 ga) or supports (ex. 1/2" steel) may require predrilling of holes for screws.

#### Panel Fasteners:

Attaching to Wood:

#10-14 Wood Screw

#10-14 XL Wood Screw

Attaching to Steel:

#12-14 Self Drilling Screw

#12-14 XL Self Drilling Screw

#### Side Lap Fastener:

1/4"-14 x 7/8" Stitch Screw

1/4"-14 x 7/8" XL Stitch Screw

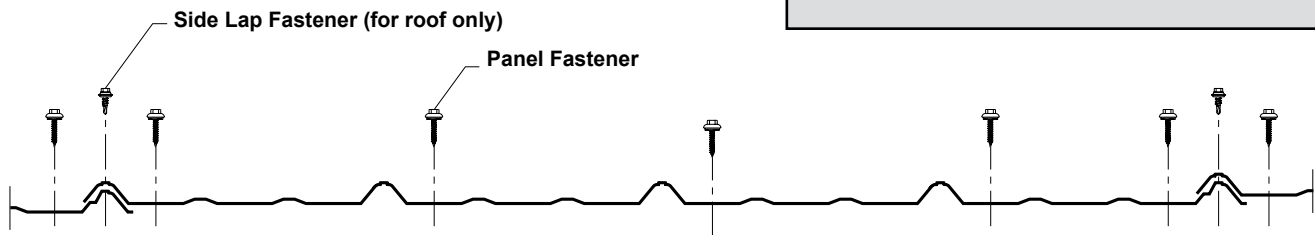
#### Trim Fastener:

1/4"-14 x 7/8" Stitch Screw

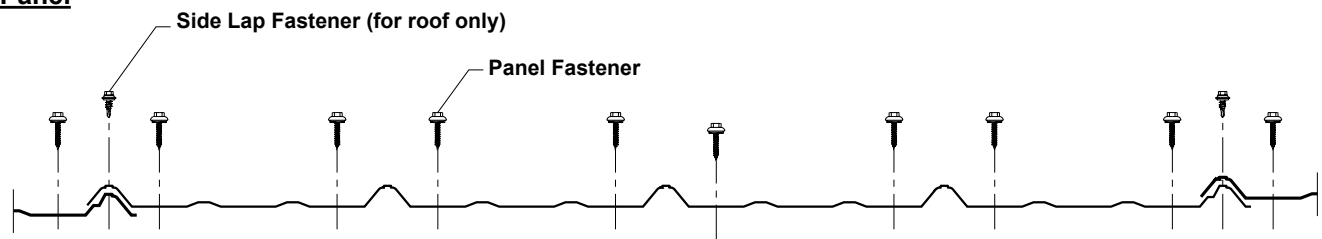
1/4"-14 x 7/8" XL Stitch Screw

### FASTENING PATTERN

#### Field of Panel



#### Ends of Panel



### SECTION PROPERTIES

### ALLOWABLE UNIFORM LIVE LOADS, psf For various fastener spacings

Ga	Width in	Yield ksi	Weight psf	Top in Compression		Bottom in Compression		Inward Load						Outward Load					
				I <sub>xx</sub> in <sup>4</sup> /ft	S <sub>xx</sub> in <sup>3</sup> /ft	I <sub>xx</sub> in <sup>4</sup> /ft	S <sub>xx</sub> in <sup>3</sup> /ft	1.5'			2'			2.5'			3'		
								1.5'	2'	2.5'	1.5'	2'	2.5'	1.5'	2'	2.5'	1.5'	2'	2.5'
29	36	80	0.62	0.0100	0.0151	0.0053	0.0118	142	81	52	36	27	21	179	103	66	46	34	26
26	36	80	0.79	0.0127	0.0192	0.0070	0.0153	185	105	68	47	35	27	227	131	84	59	44	33
24	36	50	1.03	0.0163	0.0249	0.0103	0.0208	208	119	77	53	39	30	245	141	91	64	47	36

- Theoretical section properties have been calculated per AISI 2007 'North American Specification for the Design of Cold-Formed Steel Structural Members'. I<sub>xx</sub> and S<sub>xx</sub> are effective section properties for deflection and bending.
- Allowable load is calculated in accordance with AISI 2007 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers the 3 or more equal spans condition. Allowable load does not address web crippling, fasteners, support material 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 for wind.
- Diaphragm Capacity** - 296 plf average Ultimate Shear Strength using the above fastening pattern on 2x supports located 2' on center, per ASTM E 445.