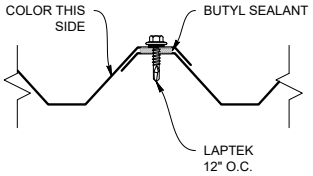
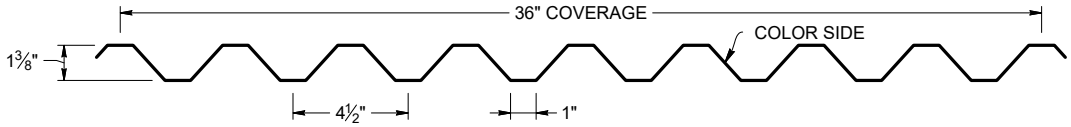
TAYLOR METAL PRODUCTS

Classic V-Rib™
Roof & Wall Panel Technical Data Resource

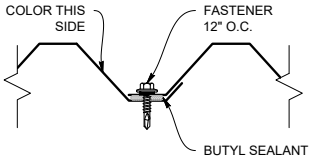
LAP DETAIL



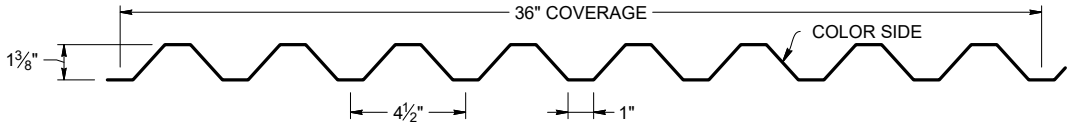
ROOF & WALL PROFILE



LAP DETAIL



OPTIONAL WALL PROFILE



KEY FEATURES

- Manufactured in Salem OR, Riverside CA and Sacramento, CA
- 24 and 22 Tru-Gauge™ and .032" Aluminum
- Custom 20 & 18 Tru-Gauge™ and .040" Aluminum (*please inquire*)
- 1:12 minimum pitch recommended when installed with butyl sealant
- Custom lengths 3' to 20' 10" (*For longer length panels, please inquire*)
- Long length flashings available up to 20' 11"
- Aluminum recommended within 1000 ft of salt water (*not required)*
- Color matched neoprene washered screws
- Roof and Vertical or Horizontal Wall application
- Perforated options available (*please inquire*)
- Structural panel that will span up to 6'
- OverEZee™ Retro-fit systems available

TESTING

- ASTM E1680 - Air infiltration (roof)
- ASTM E1646 - Water infiltration (roof)
- ASTM E331 - Water infiltration (wall)
- ASTM E283 - Air infiltration (wall)
- ASTM A653/A924 - G90 Galvanized
- ASTM A792 - ZINCALUME®/Galvalume AZ-50/55

WEIGHT CHART

CLASSIC V-RIB	WIDTH	24 GA STEEL	22 GA STEEL	.032 ALUM	.040 ALUM
THICKNESS		0.0236"	0.0285"	0.032"	0.040"
WEIGHT/LINFT	36"	3.851 LBS.	4.651 LBS	1.825 LBS	2.281 LBS
WEIGHT/LSQFT	36"	1.284 LBS	1.550 LBS	0.608 LBS	0.760 LBS

ASTM E 1680/E283 Air Penetration	ASTM E 1646/E331 Water Penetration
25 PSF<0.01 CFM/ft²-PASS	50 PSF - PASS

Rev. Date 10-26

POSITIVE & NEGATIVE LOAD CHART

				SECTION PROPERTIES						ALLOWABLE UNIFORM LOADS, psf For various clip spacings (i.e. span values)															
				Top In Compression			Bottom In Compression			Inward Load (Negative)								Outward Load (Positive)							
Gauge	Width, in.	Yield ksi	Weight psf	I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	2.5'	3'	3.5'	4'	4.5'	5'	9'	10'	2.5'	3'	3.5'	4'	4.5'	5'	9'	10'
26	36	80	1.18	0.0850	0.0860	0.0980	0.0870	0.0860	0.1080	627.2	435.6	320.0	245.0	193.6	156.8	48.4	39.2	691.2	480.0	352.7	270.0	213.3	172.8	53.3	43.2
24	36	50	1.22	0.1130	0.1140	0.1440	0.1160	0.1150	0.1470	576.0	400.0	293.9	225.0	177.8	144.0	44.4	36.0	588.0	408.3	300.0	229.7	181.5	147.0	45.4	36.8
22	36	50	1.53	0.1400	0.1400	0.1740	0.1400	0.1400	0.1790	696.0	483.3	355.1	271.9	214.8	174.0	53.7	43.5	716.0	497.2	365.3	279.7	221.0	179.0	55.3	44.8
20	36	33	1.92	0.1770	0.1770	0.2220	0.1770	0.1770	0.2210	532.8	370.0	271.8	208.1	164.4	133.2	41.1	33.3	530.4	368.3	270.6	207.2	163.7	132.6	40.9	33.2
18	36	33	2.40	0.2300	0.2300	0.2870	0.2300	0.2300	0.2870	688.8	478.3	351.4	269.1	212.6	172.2	53.2	43.1	688.8	478.3	351.4	269.1	212.6	172.2	53.2	43.1

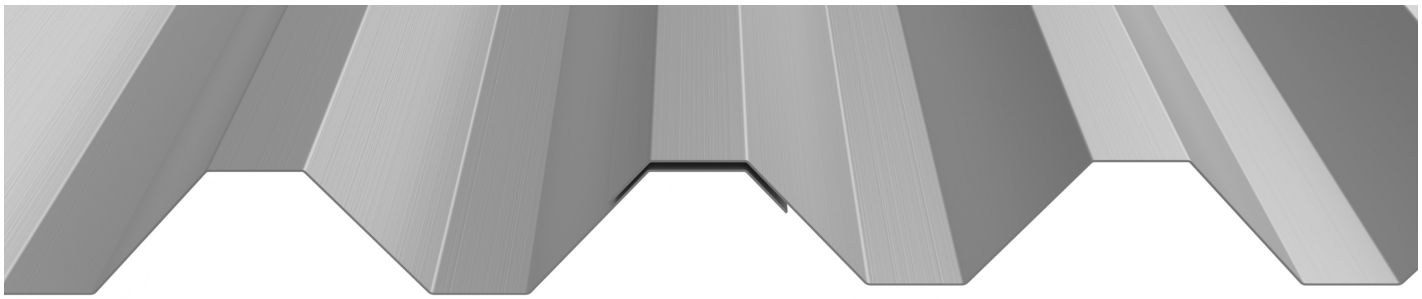
1. Theoretical section properties have been calculated per AISI 2012 North American Specifications for Design of Cold-Formed Steel Structural Members.
2. Allowable load is calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers a 3 or more equal span condition.
3. Allowable load does not address web crippling, fasteners, connection strength or support material.
4. Panel weight is not considered.
5. Load/Span values are based on theoretical computations and not load testing.
6. Deflection is not considered.
7. Allowable loads do not include a 1/3 stress increase for wind.

POSITIVE & NEGATIVE LOAD CHART

				SECTION PROPERTIES						ALLOWABLE UNIFORM LOADS, psf For various clip spacings (i.e. span values)															
				Top In Compression			Bottom In Compression			Inward Load (Negative)								Outward Load (Positive)							
Gauge	Width, in.	Yield ksi	Weight psf	I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	2.5'	3'	3.5'	4'	4.5'	5'	9'	10'	2.5'	3'	3.5'	4'	4.5'	5'	9'	10'
26	36	80	1.18	0.0850	0.0860	0.0980	0.0870	0.0860	0.1080	627.2	435.6	320.0	245.0	193.6	156.8	31.1	22.7	691.2	480.0	352.7	270.0	213.3	172.8	31.1	22.7
24	36	50	1.22	0.1130	0.1140	0.1440	0.1160	0.1150	0.1470	576.0	400.0	293.9	225.0	177.8	144.0	41.2	30.0	588.0	408.3	300.0	229.7	181.5	147.0	41.5	30.3
22	36	50	1.53	0.1400	0.1400	0.1740	0.1400	0.1400	0.1790	696.0	483.3	355.1	271.9	214.8	174.0	50.6	36.9	716.0	497.2	365.3	279.7	221.0	179.0	50.6	36.9
20	36	33	1.92	0.1770	0.1770	0.2220	0.1770	0.1770	0.2210	532.8	370.0	271.8	208.1	164.4	133.2	41.1	33.3	530.4	368.3	270.6	207.2	163.7	132.6	40.9	33.2
18	36	33	2.40	0.2300	0.2300	0.2870	0.2300	0.2300	0.2870	688.8	478.3	351.4	269.1	212.6	172.2	53.2	43.1	688.8	478.3	351.4	269.1	212.6	172.2	53.2	43.1

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4. Panel weight is not considered.
5. Load/Span values are based on theoretical computations and not load testing.
6. Deflection consideration is limited by a maximum deflection ratio of L/120 of span.
7. Allowable loads do not include a 1/3 stress increase for wind.

PANEL ATTACHMENT



Fastener Notes:

- When possible, lap panels away from prevailing wind direction.
- 15/32” OSB: #14 GP Neoprene Washered fastener. Screws should be long enough to penetrate through the bottom of the plywood by 3/8”.
- 15/32” Plywood: #14 GP Neoprene Washered fastener. Screws should be long enough to penetrate through the bottom of the plywood by 3/8”.
- Dimensional lumber: #10 GP. Screws should penetrate the lumber 1”.
- 16GA (or less) steel furring: #12 Fastener with DP-1
- Sidelaps fasten with #14 LapTek screws.
- All trim screws used for roof or wall applications should have EPDM sealing washers.
- Fastener spacing is based on project specific structural requirements. Consulant a licensed engineer.

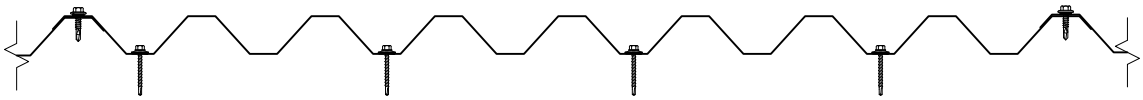
POSITIVE & NEGATIVE LOAD CHART

				SECTION PROPERTIES						ALLOWABLE UNIFORM LOADS, psf For various clip spacings (i.e. span values)															
				Topin Compression			Bottom In Compression			Inward Load (Negative)								Outward Load (Positive)							
Gauge	Width, in.	Yield ksi	Weight psf	I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	2.5'	3'	3.5'	4'	4.5'	5'	9'	10'	2.5'	3'	3.S	4'	4.5'	5'	9'	10'
26	36	80	1.18	0.0850	0.0860	0.0980	0.0870	0.0860	0.1080	627.2	435.6	320.0	235.9	165.7	120.8	20.7	15.1	691.2	480.0	352.1	235.9	165.7	120.8	20.7	15.1
24	36	50	1.22	0.1130	0.1140	0.1440	0.1160	0.1150	0.1470	576.0	400.0	293.9	225.0	177.8	144.0	27.5	20.0	588.0	408.3	300.0	229.7	181.5	147.0	27.7	20.2
22	36	50	1.53	0.1400	0.1400	0.1740	0.1400	0.1400	0.1790	696.0	483.3	355.1	271.9	214.8	174.0	33.7	24.6	716.0	497.2	365.3	279.7	221.0	179.0	33.7	24.6
20	36	33	1.92	0.1770	0.1770	0.2220	0.1770	0.1770	0.2210	532.8	370.0	271.8	208.1	164.4	133.2	41.1	31.1	530.4	368.3	270.6	207.2	163.7	132.6	40.9	31.1
1B	36	33	2.40	0.2300	0.2300	0.2870	0.2300	0.2300	0.2870	688.8	478.3	351.4	269.1	212.6	172.2	53.2	40.4	688.8	478.3	351.4	269.1	212.6	172.2	53.2	40.4

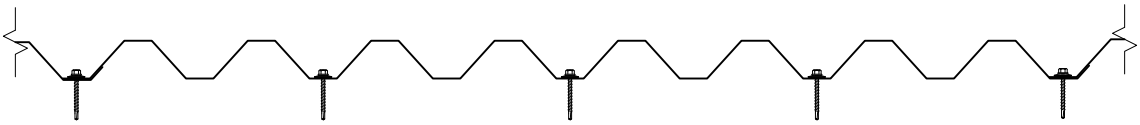
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3. Allowable load does not address web crippling, fasteners, connection strength or support material.
4. Panel weight is not considered.
5. Load/Span values are based on theoretical computations and not load testing.
6. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
7. Allowable loads do not include a 1/3 stress increase for wind.

FASTENER DIAGRAM

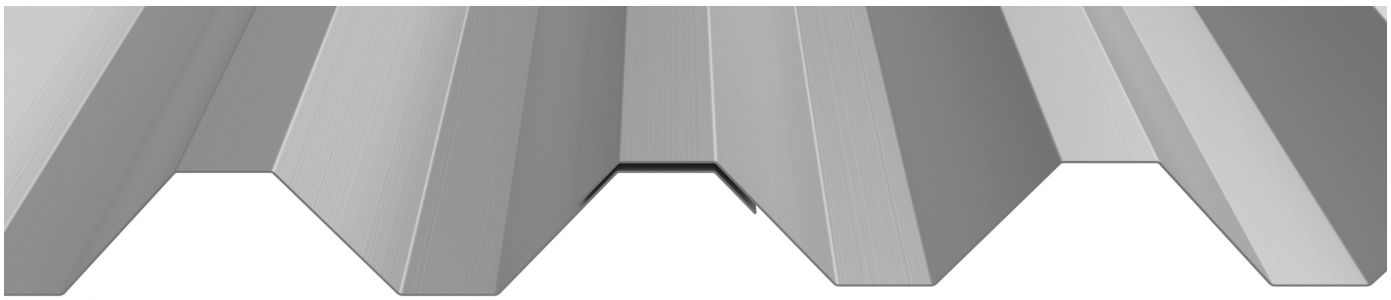
ROOFING INSTALL



SIDING INSTALL



PANEL ATTACHMENT



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