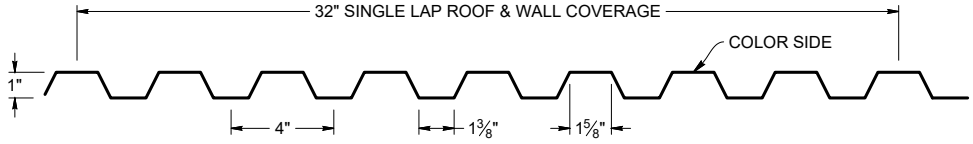
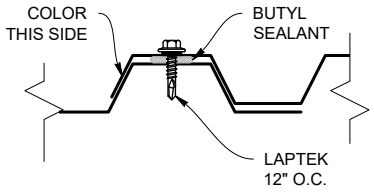
TAYLOR METAL PRODUCTS

4.0 Rib Corrugated™
Roof and Wall Panel Technical Data Resource

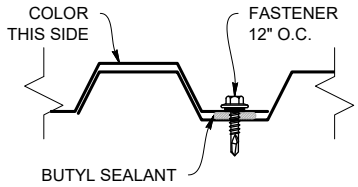
ROOF & WALL PROFILE



ROOF LAP DETAIL



WALL LAP DETAIL



KEY FEATURES

- Manufactured in Salem OR, Sacramento CA, and Riverside CA
- 32'' Coverage option
- 24 & 22 Tru-Gauge™ and .032" & .040" aluminum (*Inquire about aluminum*)
- Aluminum recommended within 1000 ft of salt water (*not required*)
- 1:12 minimum pitch recommended when installed with butyl sealant
- Custom lengths 4' to 20' 6" (*For longer length panels, please inquire*)
- Long length flashings available up to 20' 11"
- Standard trim, custom trim and accessory packages available
- Color matched neoprene washered screws
- Roof and Vertical or Horizontal Wall application
- Stuctural panel that will span up to 5'
- OverEZee™ Retro-fit systems available

TESTING

- ICC-ESR #5045 & #5046 with CBC-CRC Supplement
- ASTM E1680 - Air infiltration (roof)
- ASTM E1646 - Water infiltration (roof)
- ASTM E331 - Water infiltration (wall)
- ASTM E283 - Air infiltration (wall)
- ASTM E1592 - Negative structural uniform static air pressure
- ASTM E330 - Positive structural uniform static air pressure
- ASTM A653/A924 - G90 Galvanized
- ASTM A792 - ZINCALUME®/Galvalume AZ-50/55

WEIGHT CHART

4.0 Rib	WIDTH	24 GA STEEL	22 GA STEEL	.032 ALUM	.040 ALUM
THICKNESS		0.0236"	0.0285"	0.032"	0.040"
WEIGHT/LINFT	32"	3.606 LBS.	4.354 LBS	1.709 LBS	2.138 LBS
WEIGHT/LSQFT	32"	1.352 LBS	1.633 LBS	0.641 LBS	0.802 LBS

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

TAYLOR METAL PRODUCTS

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)							
Width, in.	Gauge	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	0.96	0.0380	0.0380	0.0623	0.0370	0.0370	0.0650	398.7	276.9	203.4	155.8	123.1	99.7	30.8	24.9	416.0	288.9	212.2	162.5	128.4	104.0	32.1	26.0
24	36	50	1.18	0.0570	0.0570	0.0963	0.0570	0.0570	0.1013	385.2	267.5	196.5	150.5	118.9	96.3	29.7	24.1	405.2	281.4	206.7	158.3	125.1	101.3	31.3	25.3
22	36	50	1.46	0.0700	0.0700	0.1220	0.0700	0.0700	0.1290	488.0	338.9	249.0	190.6	150.6	122.0	37.7	30.5	516.0	358.3	263.8	201.6	159.3	129.0	39.8	32.3
20	36	33	1.76	0.0930	0.0930	0.1690	0.0930	0.0930	0.1760	405.6	281.7	206.9	158.4	125.2	101.4	31.3	25.4	422.4	293.3	215.5	165.0	130.4	105.6	32.6	26.4
18	36	33	2.05	0.1270	0.1260	0.2210	0.1230	0.1240	0.2280	530.4	368.3	270.6	207.2	163.7	132.6	40.9	33.2	547.2	380.0	279.2	213.8	168.9	136.8	42.2	34.2

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

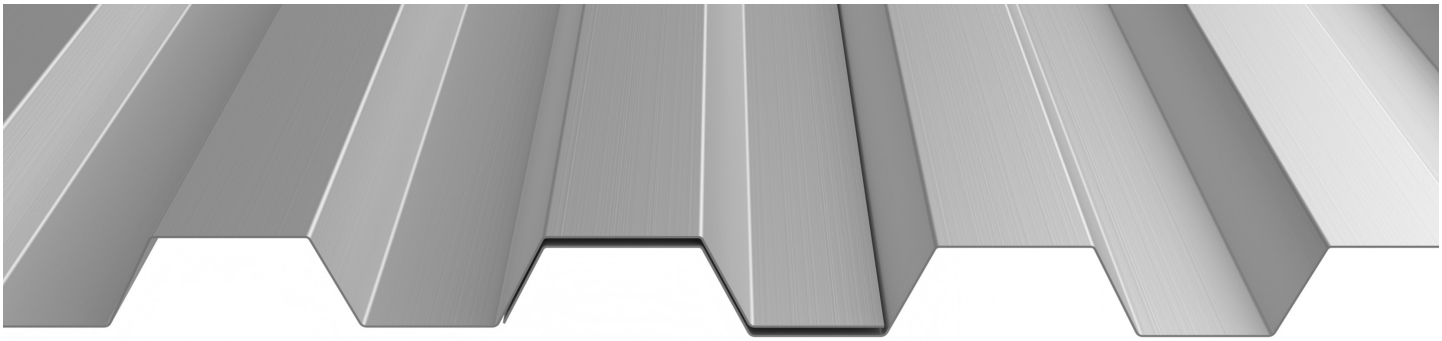
				SECTION PROPERTIES						ALLOWABLE UNIFORM LOADS, psf For various clip spacings (i.e. span values)															
				Top In Compression			Bottom In Compression			Inward Load (Negative)								Outward Load (Positive)							
Width, in.	Gauge	Yield ksi	Weight psf	I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	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	0.96	0.0380	0.0380	0.0623	0.0370	0.0370	0.0650	398.7	276.9	203.4	155.8	109.8	80.1	13.7	10.0	416.0	288.9	212.2	152.2	106.9	77.9	13.4	9.7
24	36	50	1.18	0.0570	0.0570	0.0963	0.0570	0.0570	0.1013	385.2	267.5	196.5	150.5	118.9	96.3	20.6	15.0	405.2	281.4	206.7	158.3	125.1	101.3	20.6	15.0
22	36	50	1.46	0.0700	0.0700	0.1220	0.0700	0.0700	0.1290	488.0	338.9	249.0	190.6	150.6	122.0	25.3	18.4	516.0	358.3	263.3	201.6	159.3	129.0	25.3	18.4
20	36	33	1.76	0.0930	0.0930	0.1690	0.0930	0.0930	0.1760	405.6	281.7	206.9	158.4	125.2	101.4	31.3	24.5	422.4	293.3	215.5	165.0	130.4	105.6	32.6	24.5
18	36	33	2.05	0.1270	0.1260	0.2210	0.1230	0.1240	0.2280	530.4	368.3	270.6	207.2	163.7	132.6	40.9	33.2	547.2	380.0	279.2	213.8	168.9	136.8	42.2	32.7

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 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.

FASTENER DIAGRAM



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.