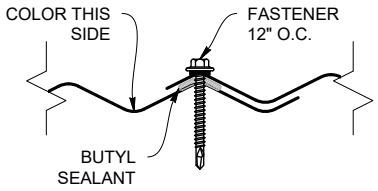
TAYLOR METAL PRODUCTS

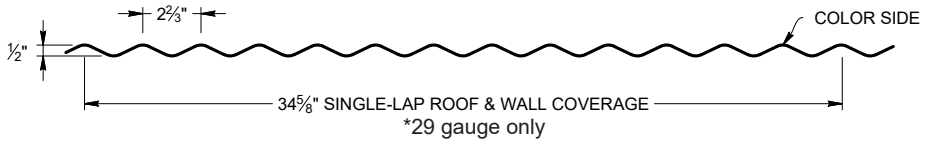
Max Corr™
Roof & Wall Panel Technical Data Resource

ICC EVALUATION SERVICE® **ICC-ES EVALUATION REPORT #5045 AND #5046 with CBC-CRC Supplement**

LAP DETAIL

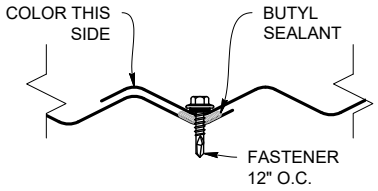


ROOF & WALL PROFILE



*29 gauge only

LAP DETAIL



ROOF & WALL PROFILE



KEY FEATURES

- Manufactured in Salem OR
- 34-5/8” Coverage Option *(29GA Only)*
- 37-1/4” Coverage Option *(26GA, 24GA, 22GA .032” and .040” Alum)*
- 29, 26, 24 and 22 Tru-Gauge™ and .032” and .040” Aluminum
- 1/2” Vertical Rib
- 22ga Rusteel Plus™ (A606)
- 3:12 minimum pitch recommended when installed with butyl sealant
- Custom lengths 1’ to 30’ (*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
- Perforated options available (*please inquire*)
- Fiberglass panels available in white, 24” wide, 12’ length
- OverEZee™ Retro-fit systems available

TESTING

- ICC EVALUATION SERVICE® ICC #5045 and #5046 with CBC-CRC Supplement
- ASTM A653/A924 - G90 Galvanized
- ASTM A792 - ZINCALUME/Galvalume AZ-50/55
- 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

Gauge	Color	Panel Width
29ga	G-90/AZ-55	34-5/8”
26ga	G-90/AZ-55	37-1/4”
29ga	Painted	34-5/8”
26ga, 24ga, 22ga	Painted	37-1/4”
.032, .040 Aluminum	Painted	37-1/4”

WEIGHT CHART

MAX CORR	WIDTH	29 GA STEEL	26 GA STEEL	24 GA STEEL	22 GA STEEL	.032 ALUM	.040 ALUM
THICKNESS		0.0136”	0.019”	0.0236”	0.0285”	0.032”	0.040”
WEIGHT/LINFT	34-5/8”	1.896 LBS					
WEIGHT/SQFT	34-5/8”	0.657 LBS					
WEIGHT/SQFT	37-1/4”		2.924 LBS	3.450 LBS	4.166 LBS	1.635 LBS	2.043 LBS
WEIGHT/SQFT	37-1/4”		0.942 LBS	1.111 LBS	1.342 LBS	0.526 LBS	0.658 LBS

ASTM E 1680/E283 Air Penetration	ASTM E 1646/E331 Water Penetration
25 PSF<0.01 CFM/ft²-PASS	50 PSF - Pass
Intertek Test Result R0846.03-301-44 R0	

TAYLOR METAL PRODUCTS

NEGATIVE LOAD CHART WITH 7 SCREWS

				SECTION PROPERTIES						ALLOWABLE UNIFORM LOADS, psf For various clip spacings (i.e. span values)								
				Top in Compression			Bottom in Compression			Negative Load								
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	1'	1.5'	2'	2.5'	3'	3.5'	4'	4.5'	5'
37-1/4	26	80	0.895	0.0251	0.0251	0.1004	0.0251	0.0251	0.1004	170.0	153.8	137.5	121.5	105.0	88.8	72.6	56.3	40.0
37-1/4	24	50	1.13	0.0336	0.0336	0.1344	0.0336	0.0336	0.1344	170.0	153.8	137.5	121.5	105.0	88.8	72.6	56.3	40.0
37-1/4	22	50	1.36	0.0397	0.0397	0.1588	0.0397	0.0397	0.1588	170.0	153.8	137.5	121.5	105.0	88.8	72.6	56.3	40.0

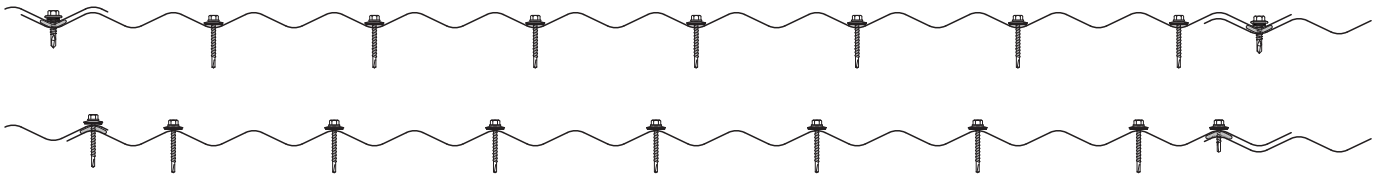
1. Theoretical section properties for still panels have been calculated per AISI S100 Specifications for Design of Cold-Formed Steel Structural Members.
2. Charted allowable uniform loads are based on the ultimate uniform load (per ASTM E1592-05 testing) divided by a 2.00 Factor-of-Safety.
3. Panel substrate (structure) may include: open framing, plywood/OSB, or metal deck.
4. Deflection limit consideration for positive (downward) loading is limited to a deflection ratio of L/180 of the span...where “L” is the span in inches.

POSITIVE LOAD CHART WITH 7 SCREWS

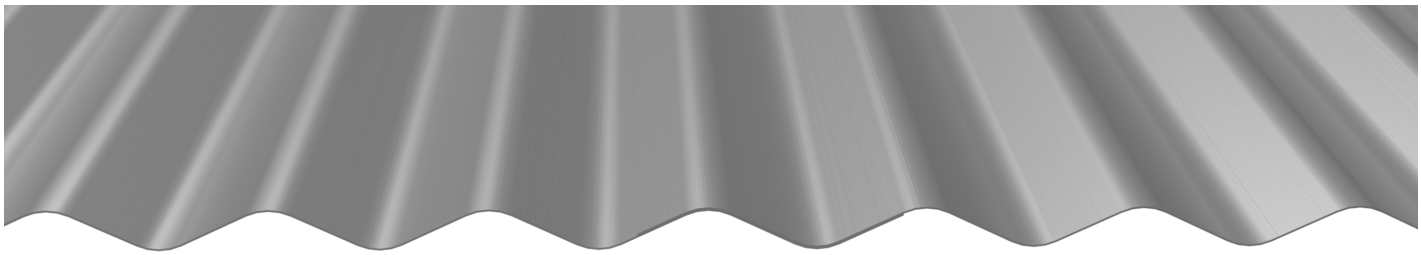
				SECTION PROPERTIES						ALLOWABLE UNIFORM LOADS, psf For various clip spacings (i.e. span values)									
				Top in Compression			Bottom in Compression			Positive Load									
Width, in.	Gauge	Yield ksi	Weight psf	I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	I_{xx} $in^4/ft.$	$I_{xx\ (eff)}$ $in^4/ft.$	S_{xx} in^3/ft	1'	2'	3'	4'	5'	6'	7'	8'	9'	10'
37-1/4	26	80	0.895	0.0251	0.0251	0.1004	0.0251	0.0251	0.1004	4016.0	1004.0	446.2	206.5	105.8	61.2	38.5	56.3	18.1	13.2
37-1/4	24	50	1.13	0.0336	0.0336	0.1344	0.0336	0.0336	0.1344	3360.0	840.0	373.3	210.0	134.0	81.9	51.6	56.3	24.3	17.7
37-1/4	22	50	1.36	0.0397	0.0397	0.1588	0.0397	0.0397	0.1588	3970.0	992.5	441.1	248.1	158.8	96.8	61.0	56.3	28.7	20.9
37-1/4	0.032"	19	0.535	0.0119	0.0119	0.0508	0.0119	0.0119	0.0453	102.0	25.5	11.3							
37-1/4	0.040"	19	0.669	0.0148	0.0148	0.0621	0.0148	0.0148	0.0555	170.3	42.6	18.9	10.6						

1. Theoretical section properties for steel panels have been calculated per 2020 AISI S100 specifications for the Design of Cold-Formed Steel Structural Member.
2. Theoretical section properties for aluminum panels have been calculated per the latest edition of the aluminum association design manual
2. Allowable load is calculated in accordance with 2020 AISI S100 specifications considering bending, shear, combined bending and shear and deflection. Allowable load considers a 3 or more equal span condition.
3. When panels are installed over solid or closely fitted sheathing, the capacity is limited to the capacity of the underlying sheathing.

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.

Rev. Date 10/26