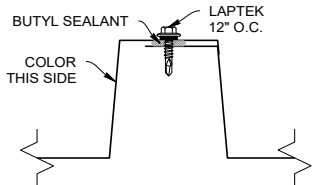


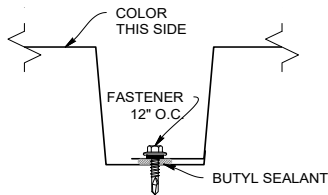


ICC-ES EVALUATION REPORT #5045 with CBC-CRC Supplement (Coming 2024 siding only)

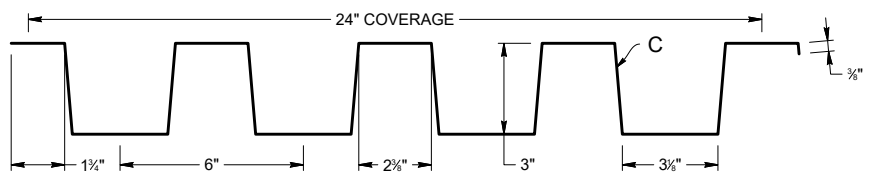
### ROOF LAP DETAIL



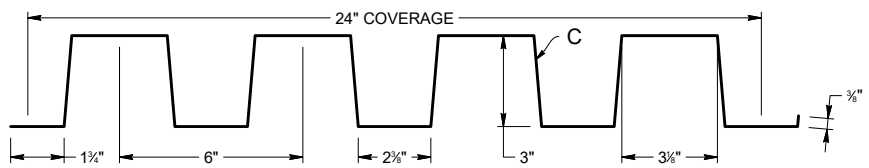
### WALL LAP DETAIL



### ROOF PROFILE




### WALL PROFILE



## KEY FEATURES

- 24, 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 2' to 20' 10"
- Standard trim, custom trim and accessory packages available
- Color matched neoprene washered screws
- Roof and Vertical or Horizontal Wall application
- Manufactured in Salem OR, Sacramento CA, and Riverside CA
- OverEZee™ Retro-fit systems available

## TESTING

-  ICC-ESR #5045 with CBC-CRC Supplement (Coming 2024 siding only)
- ASTM E1680 - Air infiltration (roof)
- ASTM E1646 - Water infiltration (roof)
- ASTM E1592 - Structural uniform static air pressure
- ASTM E331 - Water infiltration (wall)
- ASTM E283 - Air infiltration (wall)
- ASTM A653/A924 - G90 Galvanized
- ASTM A792 - Zincalume/Galvalume AZ-50/55
- ASTM B209 - Aluminum Substrate

## WEIGHT CHART

TMP 3-6-24	WIDTH	24 GA STEEL	22 GA STEEL	.032 ALUM	.040 ALUM
THICKNESS		0.0236"	0.0285"	0.032"	0.040"
WEIGHT/LINFT	24"	3.850 LBS	4.650 LBS	1.824 LBS	2.281 LBS
WEIGHT/LSQFT	24"	1.925 LBS	2.325 LBS	0.912 LBS	1.140 LBS

ASTM E 1680/E283 Air Penetration	ASTM E 1646/E331 Water Penetration
12 PSF<0.01 CFM/ft <sup>2</sup> -PASS	20.5 PSF - Pass
STRUCTURAL TESTING ASTM E1592 AND E330	
Intertek Test Result R0846.05-301-44 R0	

## NEGATIVE LOAD CHART WITH 3 SCREWS

SECTION PROPERTIES				ALLOWABLE UNIFORM LOADS, psf For various clip spacings (i.e. span values)															
				Top In Compression			Bottom In Compression			Negative Load									
				$I_{xx}$ in <sup>4</sup> /ft.	$I_{xx}$ (eff) in <sup>4</sup> /ft.	$S_{xx}$ in <sup>3</sup> /ft.	$I_{xx}$ in <sup>4</sup> /ft.	$I_{xx}$ (eff) in <sup>4</sup> /ft.	$S_{xx}$ in <sup>3</sup> /ft.	1'	1.5'	2'	2.5'	3'	3.5'	4'	4.5'	5'	
24	24	50	1.92	0.5620	0.5540	0.3020	0.5360	0.5430	0.2920	195.0	182.5	170.0	157.5	145.0	132.5	120.0	107.5	95.0	
24	22	50	2.27	0.7370	0.7290	0.4210	0.7090	0.7170	0.4120	195.0	182.5	170.0	157.5	145.0	132.5	120.0	107.5	95.0	
24	20	33	2.77	0.9950	0.9850	0.5980	0.9600	0.9700	0.5860	195.0	182.5	170.0	157.5	145.0	132.5	120.0	107.5	95.0	
24	18	33	3.59	1.3650	1.3550	0.8480	1.3320	1.3420	0.8470	195.0	182.5	170.0	157.5	145.0	132.5	120.0	107.5	95.0	

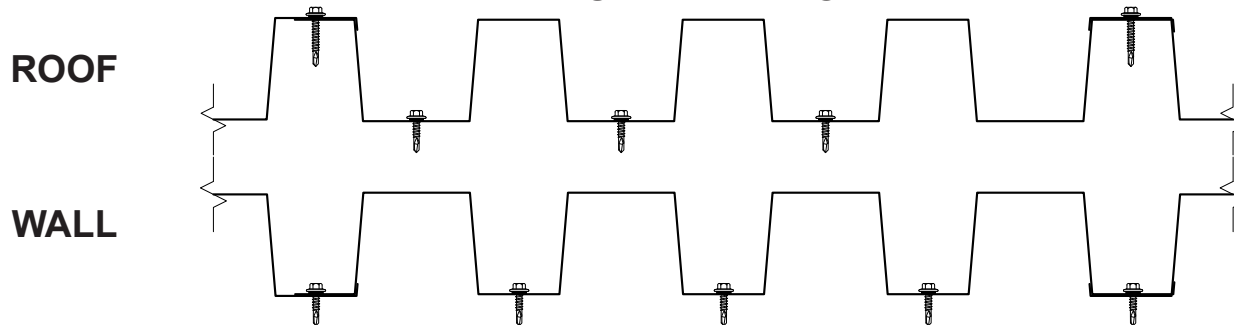
1. Theoretical section properties for still panels have been calculated per AISI S100 Specifications for Design of Cold-Formed Steel Structural Members.
2. Charted Load/Span values are based on ASTM E1592-05, divided by a 2.00 Factor-of-Safety.
3. Panel substrate (structure) may include: open framing, 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.
5. Charted allowable uniform loads cannot be increased by 1/3.

## POSITIVE LOAD CHART WITH 3 SCREWS

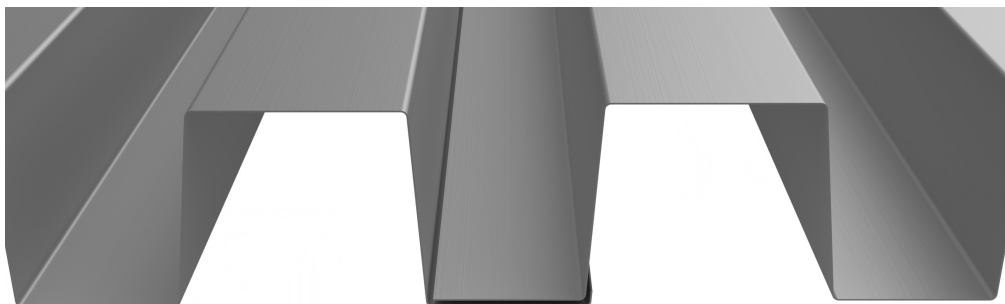
SECTION PROPERTIES				ALLOWABLE UNIFORM LOADS, psf For various clip spacings (i.e. span values)															
				Top In Compression			Bottom In Compression			Positive Load									
				$I_{xx}$ in <sup>4</sup> /ft.	$I_{xx}$ (eff) in <sup>4</sup> /ft.	$S_{xx}$ in <sup>3</sup> /ft.	$I_{xx}$ in <sup>4</sup> /ft.	$I_{xx}$ (eff) in <sup>4</sup> /ft.	$S_{xx}$ in <sup>3</sup> /ft.	1'	2'	3'	4'	5'	6'	7'	8'	9'	10'
24	24	50	1.92	0.5620	0.5540	0.3020	0.5360	0.5430	0.2920	1355.5	677.7	451.8	338.9	271.1	202.8	149.0	114.1	90.1	73.0
24	22	50	2.27	0.7370	0.7290	0.4210	0.7090	0.7170	0.4120	1828.2	914.1	609.4	457.1	365.6	286.1	212.2	160.9	127.2	103.0
24	20	33	2.77	0.9950	0.9850	0.5980	0.9600	0.9700	0.5860	1724.6	862.3	574.9	431.1	344.9	271.3	199.3	152.6	120.6	97.7
24	18	33	3.59	1.3650	1.3550	0.8480	1.3320	1.3420	0.8470	2767.3	1383.6	922.4	691.8	553.5	392.1	288.1	220.6	174.3	141.2
24	0.032"	19	0.91	1.0870	1.0870	0.7150	1.0870	1.0870	0.7460	216.4	108.2	72.1	54.1	43.3	36.1	30.9	27.1	24.0	20.1
24	0.040"	19	1.14	1.3450	1.3450	0.8850	1.3450	1.3450	0.9230	333.6	166.8	111.2	83.4	66.7	55.6	47.7	41.7	37.1	31.2
24	0.050"	19	1.43	1.6600	1.6600	1.0920	1.6600	1.6600	1.1390	510.9	255.5	170.3	127.7	102.2	85.2	73.0	63.9	56.8	48.1

1. Theoretical section properties for Steel panel shave been calculated per 2020 AISI S100 North America Specifications for the Design of Cold-Formed Steel Structural Member.
2. Allowable loads for Steel panels are 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. Consult a licensed engineer.

Rev. Date 09-24