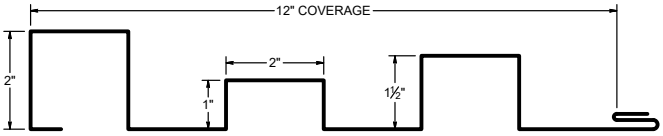
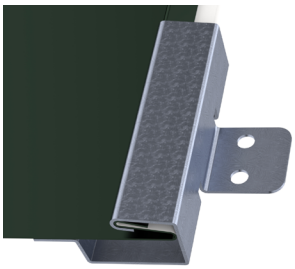
TAYLOR METAL PRODUCTS

Contour™ Wall Panel System
Neo™ Series NX-14

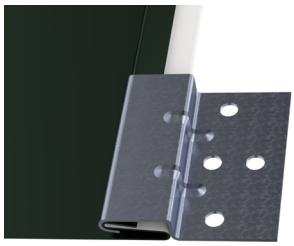


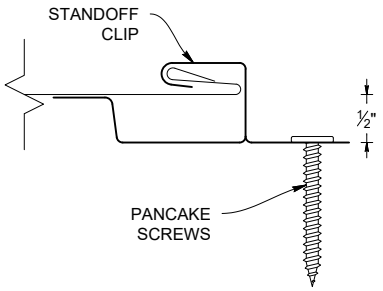
PANEL ATTACHMENT CLIP

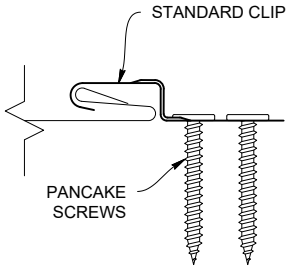
STANDOFF CLIP



STANDARD CLIP







KEY FEATURES

- Manufactured in Salem, OR, Sacramento, CA and Riverside, CA
- 12” panel coverage
- 2”, 1-1/2 & 1” rib heights
- 24 & 22 Tru-Gauge™ steel and .032” & .040” aluminum
- Custom 20 & 18 Tru-Gauge™ steel and .050” & .063” aluminum. These require the use of high performance clip. (*please inquire*)
- Aluminum is recommended within 1000 ft of salt water (*not required*)
- 3’ to 32’9” panel lengths (*Inquire for longer or shorter lengths*)
- Seamless runs, fewer runs and less labor
- Custom profiles available
- Vertical or horizontal wall application
- Acceptable for use as a soffit panel
- Interchangeable panel widths and configurations
- Perforated options available (*please inquire*)

TESTING

- ASTM A653/A924 - G-90 Galvanized
- ASTM A792 - ZINCALUME®/Galvalume® AZ-50/55
- ASTM B209 - Aluminum Substrate
- ASTM D6578 - Anti-Graffiti
- ASTM E283 - Air infiltration (wall)
- ASTM E331 - Water infiltration (wall)
- ASTM E1646 - Water infiltration (roof)
- ASTM E1680 - Air infiltration (roof)

WEIGHT CHART

NX-14	WIDTH	24 GA STEEL	22 GA STEEL	.032 ALUM	.040 ALUM
THICKNESS		0.0236"	0.0285"	0.032"	0.040"
WEIGHT/LINFT	12"	1.926 LBS	2.259 LBS	0.912 LBS	1.108 LBS
WEIGHT/SQFT	12"	1.926 LBS	2.259 LBS	0.912 LBS	1.108 LBS

NEGATIVE LOAD CHART WITH CLIP ATTACHMENT

				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'
12	24	50	1.90	0.1995	0.2044	0.1417	0.2163	0.2114	0.1808	150.0	135.6	121.3	106.9	92.5	78.1	63.8	49.4	35.0
12	22	50	2.24	0.2533	0.2572	0.1844	0.2666	0.2627	0.2175	150.0	135.6	121.3	106.9	92.5	78.1	63.8	49.4	35.0
12	20	33	2.72	0.3430	0.3465	0.2580	0.3550	0.3515	0.2758	150.0	135.6	121.3	106.9	92.5	78.1	63.8	49.4	35.0
12	18	33	3.52	0.4620	0.4623	0.3531	0.4630	0.4627	0.3554	150.0	135.6	121.3	106.9	92.5	78.1	63.8	49.4	35.0

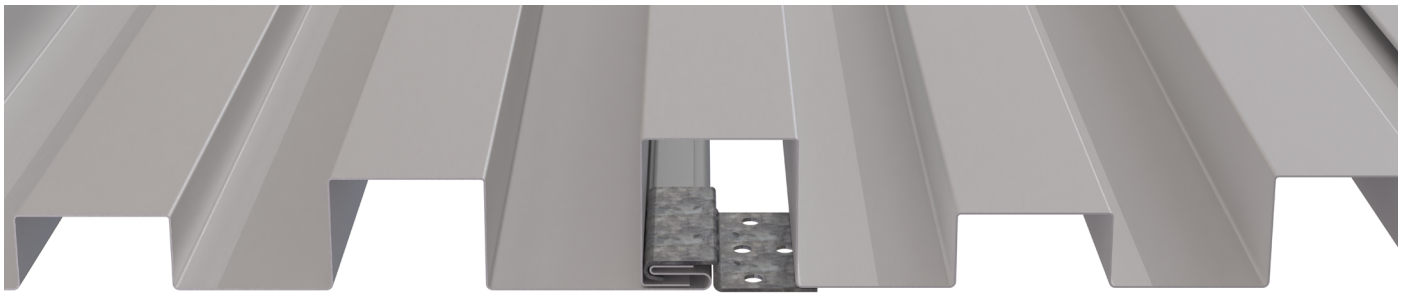
1. Theoretical section properites for steel panels have been calculated per AISI S100 Specification for the Design of Cold-Formed Steel Structural Members.
2. Charted Load/Span values are besed on ASTM E1592-05 (2017) testing protocol
3. Minimum recommended substrate (structure) recommendations:
   a. Open-framing (i.e. girts) - 16 ga. (design thickness = 0.0566”)
   b. Plywood/OSB - 15/32” or thicker is recommeded to assure an effective degree of fasteder thread engagement.
   c. Metal Deck - 22 ga. (design thickness = 0.0283”)

POSITIVE LOAD CHART WITH CLIP ATTACHMENT

				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'
12	24	50	1.90	0.1995	0.2044	0.1417	0.2163	0.2114	0.1808	1058.2	529.1	352.7	221.4	141.7	98.4	72.3	55.4	43.7	35.4
12	22	50	2.24	0.2533	0.2572	0.1844	0.2666	0.2627	0.2175	1422.7	711.4	474.20	288.1	184.4	128.1	94.1	72.0	56.9	46.1
12	20	33	2.72	0.3430	0.3465	0.2580	0.3550	0.3515	0.2758	1334.5	667.7	445.2	268.8	172.0	119.4	87.8	67.2	53.1	43.0
12	18	33	3.52	0.4620	0.4623	0.3531	0.4630	0.4627	0.3554	2137.3	1068.6	653.9	367.8	235.4	163.4	120.1	92.0	72.1	58.9

1. Theoretical section properties for Steel panels have been calculated per 2020 AISI S100 North American specification 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. Allowable load includes web crippling.
4. The Nx-14 Panel when installed as a three-span condition with spans of 9 ft. on-center for Steel is capable of withstanding the minimum uniform distributed load of 20 psf (0.958 kPa) noted in Table 1607.1 of the IBC and a minimum concentrated load of 300 lbf (1.33 kN).

PANEL ATTACHMENT



Fastener Notes:

- When possible, lap panels away from prevailing wind direction.
- Panel screws should be long enough to penetrate through the bottom of the plywood by 3/8".
- For dimensional lumber, panel screws should penetrate the lumber 1".
- All trim screws used for roof or wall applications should have EPDM sealing washers.
- Clean off working area each day to remove metal particles left from drilling fasteners. These particles, when exposed to moisture, will form rust between metal particles and the panel.