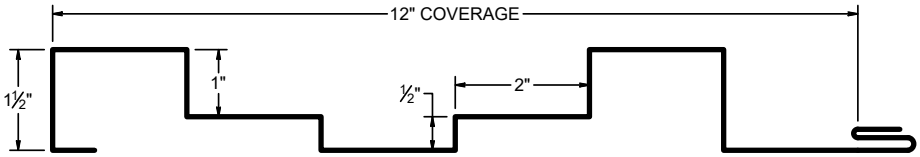
TAYLOR METAL PRODUCTS

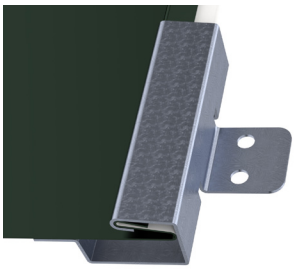
Contour™ Wall Panel System
Neo™ Series NX-12

ICC EVALUATION SERVICE® **ICC-ES EVALUATION REPORT #5045 with CBC-CRC Supplement (Coming soon)**

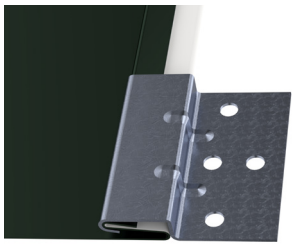


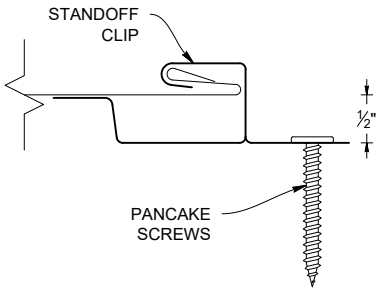
PANEL ATTACHMENT CLIP

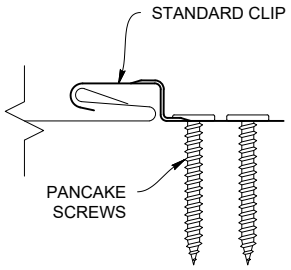
STANDOFF CLIP



STANDARD CLIP







KEY FEATURES

- Manufactured in Salem, OR, Sacramento, CA and Riverside, CA
- 12” panel coverage
- 1-1/2” rib height
- 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*)
- 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

- ICC-ESR #5045 with CBC-CRC Supplement (Coming soon)
- 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 E330 - Positive structural uniform static air pressure
- ASTM E331 - Water infiltration (wall)
- ASTM E1592 - Negative structure uniform static air pressure
- ASTM E1646 - Water infiltration (roof)
- ASTM E1680 - Air infiltration (roof)

WEIGHT CHART

NX-12	WIDTH	24 GA STEEL	22 GA STEEL	.032 ALUM	.040 ALUM
THICKNESS		0.0236"	0.0285"	0.032"	0.040"
WEIGHT/LINFT	12"	1.675 LBS	2.277 LBS	2.905 LBS	3.723 LBS
WEIGHT/LSQFT	12"	1.675 LBS	2.277 LBS	2.905 LBS	3.723 LBS

ASTM E 1680/E283 Air Penetration	ASTM E 1646/E331 Water Penetration
12 PSF<0.01 CFM/ft²-PASS	20.5 PSF - Pass
Intertek Test Result L5460.01-901-44 R1	
Intertek Test Result L5461.01-901-44 R1	
STRUCTURAL TESTING ASTM E1592 AND E330	
Intertek Test Result M1352.01-301-44 R0	

NEGATIVE LOAD CHART WITH CLIP ATTACHMENT

				SECTION PROPERTIES						ALLOWABEL 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	1.69	0.1068	0.1048	0.1318	0.0988	0.1018	0.1125	130.0	119.4	108.8	98.1	87.5	78.9	66.3	55.6	45.0
12	22	50	1.85	0.1320	0.1294	0.1679	0.1230	0.1256	0.1414	130.0	119.4	108.8	98.1	87.5	78.9	66.3	55.6	45.0
12	20	33	2.25	0.1770	0.1735	0.2319	0.1650	0.1685	0.1988	130.0	119.4	108.8	98.1	87.5	78.9	66.3	55.6	45.0
12	18	33	2.9	0.2360	0.2317	0.2984	0.2210	0.2254	0.2715	130.0	119.4	108.8	98.1	87.5	78.9	66.3	55.6	45.0

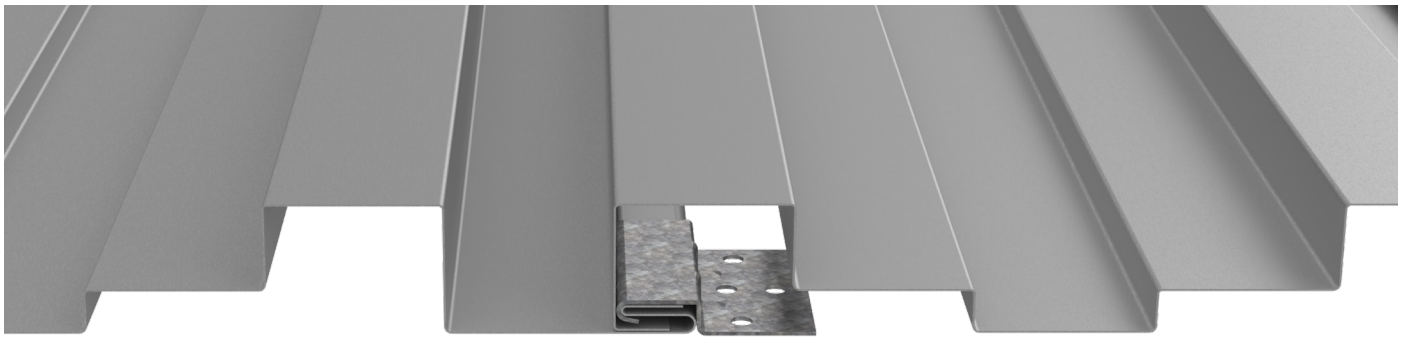
1. Theoretical section properties for steel panels have been calculated per AISI S100 specification for Design of Cold-Formed Steel Structural Members.
2. Charted Load/Span values are based on ASTM E1592-05 (2017) testing protocol.
3. Minimum recommended substrate (structure) recommendations:
   A. Open-Framing (i.e. girts) - 16ga (design thickness 0.0566”)
   B. Plywood/OSB-15/32” or thicker is recommended to assure an effective degree of fastener thread engagement.
   C. METAL DECK - 22ga (design thickness 0.0283”)

POSITIVE LOAD CHART WITH CLIP ATTACHMENT

				SECTION PROPERTIES						ALLOWABEL 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	1.69	0.1068	0.1048	0.1318	0.0988	0.1018	0.1125	1058.2	529.1	312.5	175.8	112.5	78.1	57.4	44.0	34.7	28.1
12	22	50	1.85	0.132	0.1294	0.1679	0.123	0.1256	0.1414	1422.7	711.4	392.8	220.9	141.4	98.2	72.1	55.2	43.6	35.4
12	20	33	2.25	0.177	0.1735	0.2319	0.165	0.1685	0.1988	1665.5	667.7	368.2	207.1	132.5	92.0	67.6	51.8	40.9	33.1
12	18	33	2.9	0.236	0.2317	0.2984	0.221	0.2254	0.2715	1711.8	855.9	502.8	282.8	181.0	125.7	92.4	70.7	55.9	45.3

1. Theoretical section properties for Steel panels have 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. Allowable load includes web crippling.
4. The NX-12 panel when installed as a three-span condition with spans of 9ft. on-center for steel is capable of withstanding the minimum uniform distributed load of 20psf (0.958 kPa) noted in table 1607.1 of the IBC and a minimum concentrated load of 300lbf (1.33kN)

PANEL ATTACHMENT



Fastener Notes:

- When possible, lap panels away from prevailing wind direction.
- 15/32” OSB: #10 Burr Buster fasteners.
- 15/32” Plywood: #10 GP 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: #10 or #12 Fastener with DP-1
- All trim screws used for roof or wall applications should have EPDM sealing washers.