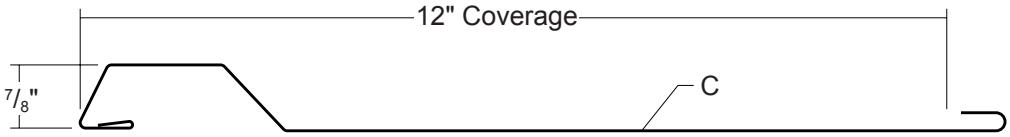
CN88-1212 CF WALL

Condensed Technical Reference

CONTEMPRA SERIES™



ARCHITECTURAL COMMERCIAL INDUSTRIAL PANEL

CONCEALED FASTENERS

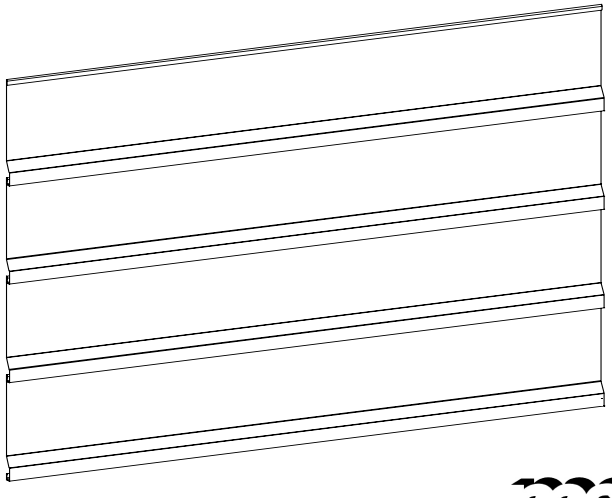
12" COVERAGE

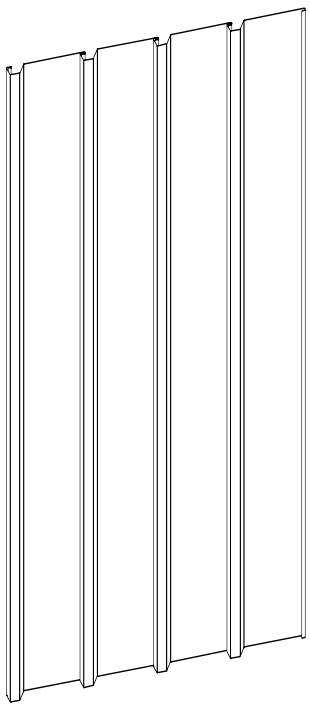
WALL AND LINER PANEL

OPEN FRAMING OR SOLID SUBSTRATE

PANEL OVERVIEW

- Finish: Standard: PVDF and Acrylic-Coated Galvalume®
  Optional: multi-pass Kynar 500® and Fluropon® PURE
- Corrosion Protection: AZ50 per ASTM A 792 for painted Galvalume®
  AZ55 per ASTM A 792 for Acrylic-Coated Galvalume®
  G90 per ASTM A 653 for painted Galvanized
- Gauges: 24 ga standard and 22 ga optional
- 12" panel coverage, 7/8" panel height, 12" rib spacing
- Clip-attached, concealed-fastened panel system
- Panel Length: 5' minimum, 30' maximum
- Panels can be installed horizontally or vertically
- Panels are interchangeable for accent effects
- Use on single-skin or field-assembled wall systems





TESTING PENDING

- ASTM E 283 Air Leakage
- ASTM E 331 Water Penetration
- ASTM E 330 Load Test
- ASTM E 1592 Load Test

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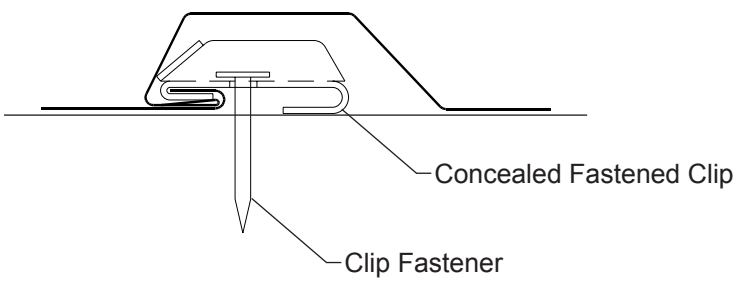
PANEL ATTACHMENT



FASTENING INFORMATION

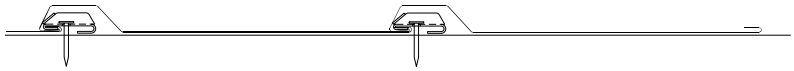
- Concealed Fastened Clip is 3" x 1-3/4" x 3/4", from 16 ga, G90 material with 2 fastener holes.
- Clip Fasteners should be driven just to contact between fastener head / clip / panel / support. Beyond contact, the clip can crush the open hem of the panel and make engagement of the next panel difficult. Overdriven fasteners will cause panel distortions.
- Fasteners should extend 1/2" or more past the inside face of the support material for steel and wood sheathing support materials.
- Clip Fasteners:
  - Attaching to Wood:
    - #12-11 Low Profile Wood Screw
  - Attaching to Steel:
    - < 18 ga: 1/4"-13 Deck Screw
    - ≥ 18 ga, ≤ 12 ga: #10-16 Pancake Head Driller
    - > 12 ga: 1/4"-14 Self Driller, No Washer

INSTALLATION DIRECTION

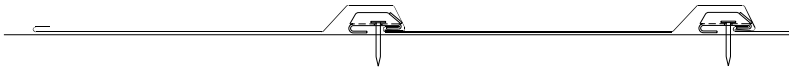
Horizontally-oriented panels must be installed from the bottom to the top.

Vertically-oriented panels may be installed from the right-to-left or left-to-right.

Left-to-Right Installation of Vertically-Oriented Panels



Right-to-Left Installation of Vertically-Oriented Panels



SECTION PROPERTIES								ALLOWABLE UNIFORM LOADS, psf For various fastener spacings									
Ga	Width in	Yield ksi	Weight psf	Top In Compression		Bottom In Compression		Inward Load					Outward Load				
				Ixx in^4/ft	Sxx in^3/ft	Ixx in^4/ft	Sxx in^3/ft	2'	3'	4'	5'	6'	2'	3'	4'	5'	6'
24	12	50	1.20	0.0240	0.0321	0.0190	0.0376	60	49	39	28	18	103	70	40	25	18
22	12	50	1.57	0.0348	0.0469	0.0267	0.0500	60	49	39	28	18	103	70	40	25	18

1. Theoretical section properties have been calculated per AISI 2012 'North American Specification for the Design of Cold-Formed Steel Structural Members'. Ixx and Sxx are effective section properties for deflection and bending.
2. Allowable loads are calculated in accordance with AISI 2012 specifications considering bending, shear, combined bending and shear and deflection. Allowable loads include load testing over 16 ga girts. Allowable loads consider the 3 or more equal spans condition. Panel weight is not considered.
3. Deflection consideration is limited by a maximum deflection ratio of L/180 of span.
4. Allowable loads do not include a 1/3 stress increase for wind.

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