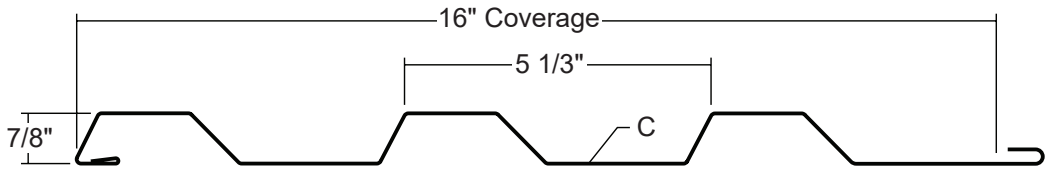
CN88-1653 WALL

Condensed Technical Reference

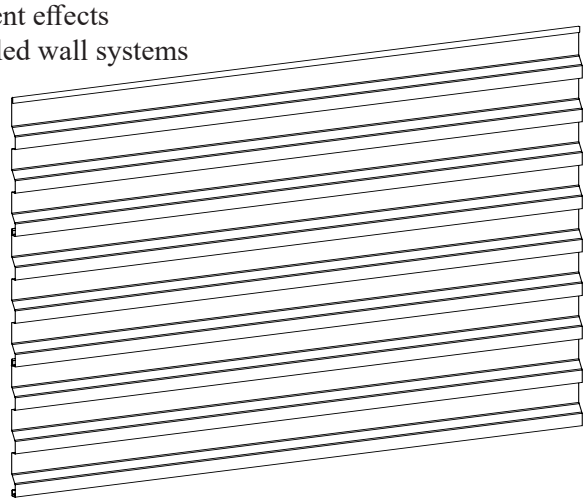
CONTEMPRA SERIES™

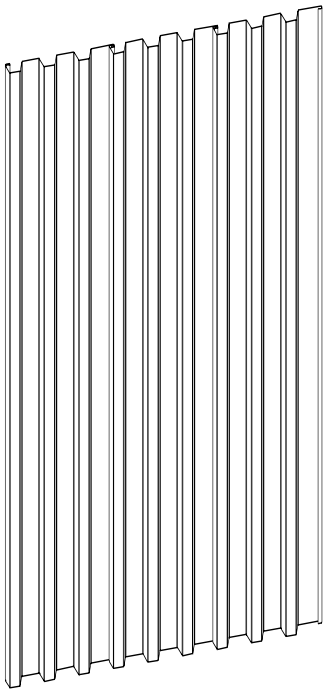


ARCHITECTURAL COMMERCIAL INDUSTRIAL PANEL | **CONCEALED FASTENERS** | **16" COVERAGE** | **WALL AND LINER PANEL** | **OPEN FRAMING OR SOLID SUBSTRATE**

PANEL OVERVIEW

- Finish: Standard: PVDF and Acrylic-Coated Galvalume®
  Optional: multi-pass PVDF 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; 22 ga and 20 ga optional
- 16" panel coverage, $^{7}/_{8}$" panel height, $5^{1}/_{3}$" rib spacing
- Clip-attached, concealed-fastened panel system
- Panel Length: 5' minimum, 30' maximum
- Panels are interchangeable for accent effects
- Use on single-skin or field-assembled wall systems





3 PANEL MOCKUP

- Horizontal or vertical application
- Concealed fastener

TESTING

- ASTM E 283 Air Leakage, with building wrap
- ASTM E 331 Water Penetration, with building wrap
- ASTM E 330 Load Test
- ASTM E 1592 Load Test
- 2023 FBC Approval - FL34027.2

MS Metal Sales™

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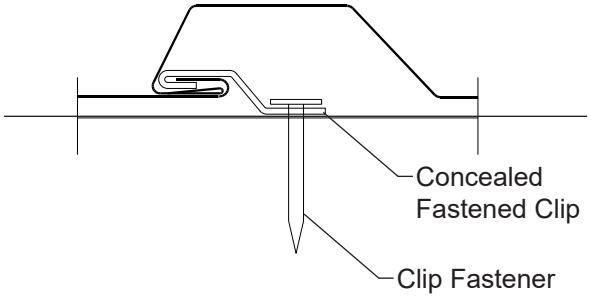
PANEL ATTACHMENT



FASTENING INFORMATION

- Concealed Wall Clip= 4" Low is 1-3/4" x 4" x 3/8", from 16 ga, G90 material with 2 fastener holes.
- Clip Fasteners should be driven just to contact between fastener head / clip / panel / support. 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: #12-14 Self Drilling Screw
    - > 12 ga: 1/4"-14 Self Driller, No Washer

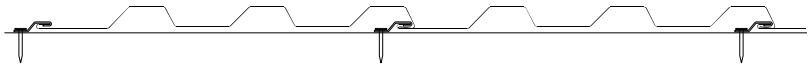
INSTALLATION DIRECTION

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 clip 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	16	50	1.22	0.0383	0.0638	0.0353	0.0749	120	97	71	47	23	89	73	57	41	26
22	16	50	1.59	0.0548	0.0936	0.0495	0.1062	120	97	71	47	23	89	73	57	41	26
20	16	33	1.93	0.0750	0.1345	0.0690	0.1339	120	97	71	47	23	89	73	57	41	26

1. Theoretical section properties have been calculated per AISI 2016 '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 load is calculated in accordance with AISI 2016 specifications considering bending, shear, combined bending & shear, deflection and load testing. Allowable load does not address web crippling, fasteners or support material. Allowable load considers the three 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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