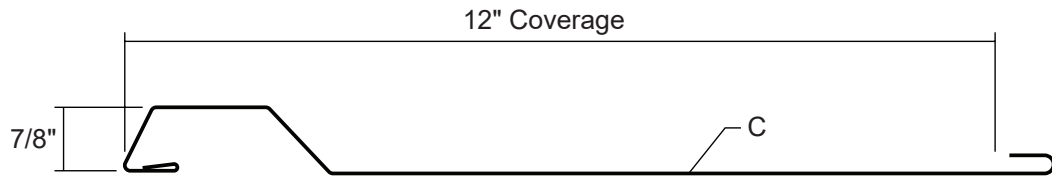


# CN88-1212 WALL

Condensed  
Technical  
Reference

CONTEMPRA SERIES™



ARCHITECTURAL  
COMMERCIAL  
INDUSTRIAL  
PANEL

CONCEALED  
FASTENERS

12"  
COVERAGE

WALL AND  
LINER PANEL

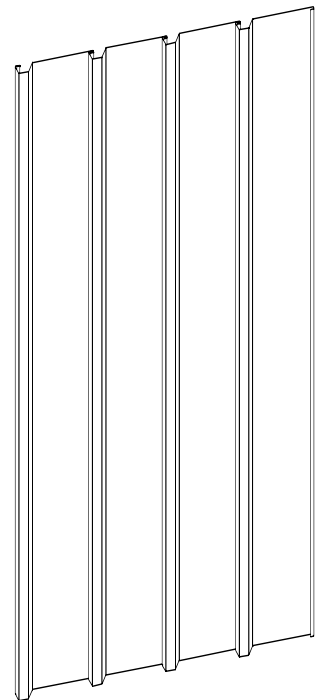
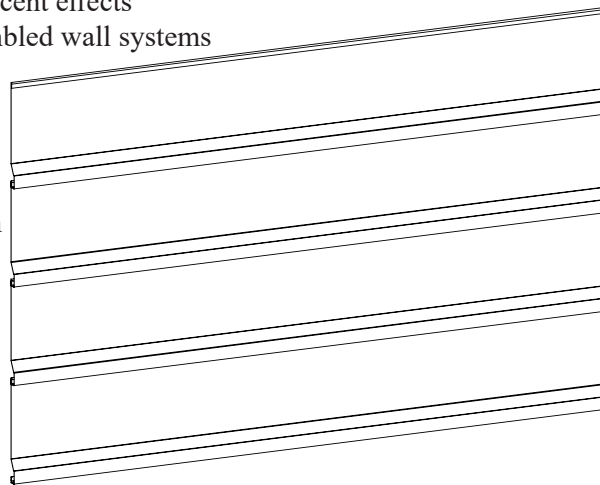
OPEN FRAMING OR  
SOLID SUBSTRATE

## PANEL OVERVIEW

- ▶ Finish: Standard: PVDF and Acrylic-Coated Galvalume®  
Optional: multi-pass PVDF and Fluoropon® 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
- ▶ 12" panel coverage, 7/8" panel height, 12" rib spacing
- ▶ Clip-attached, concealed-fastened panel system
- ▶ Panel Length: 5' minimum, 20' maximum
- ▶ Panels are interchangeable for accent effects
- ▶ Use on single-skin or field-assembled wall systems

## 4 PANEL MOCKUP

- ▶ Horizontal or vertical application
- ▶ Concealed fastener



## TESTING

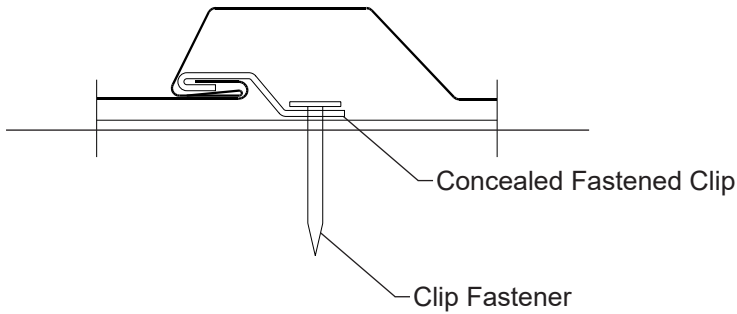
- ▶ ASTM E 283 Air Leakage, with building wrap
- ▶ ASTM E 331 Water Penetration, with building wrap
- ▶ ASTM E 330 Load Test
- ▶ ASTM E 1592 Load Test
- ▶ 2023 FBC Approval - FL34027.2

**MMS Metal Sales™**

# CN88-1212 WALL

**Condensed  
Technical  
Reference**

## 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

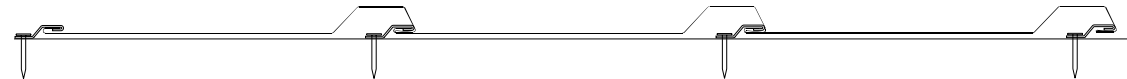
Horizontally-oriented panels must be installed from the bottom to the top.

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	SECTION PROPERTIES				ALLOWABLE UNIFORM LOADS, psf For various clip spacings									
				Top In Compression		Bottom In Compression		Inward Load					Outward Load				
				Ixx in <sup>4</sup> /ft	Sxx in <sup>3</sup> /ft	Ixx in <sup>4</sup> /ft	Sxx in <sup>3</sup> /ft	2'	3'	4'	5'	6'	2'	3'	4'	5'	6'
24	12	50	1.20	0.0240	0.0321	0.0190	0.0376	120	94	54	35	23	103	84	66	43	30
22	12	50	1.57	0.0348	0.0469	0.0267	0.0500	120	97	71	46	23	103	84	66	43	30
20	12	33	1.91	0.0488	0.0673	0.0364	0.0630	120	97	59	38	23	103	84	66	43	30

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 and 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.

**MS Metal Sales™**

[metalsales.us.com](http://metalsales.us.com)

Anchorage, AK 866.640.7663  
 Bay City, MI 888.777.7640  
 Deer Lake, PA 800.544.2577  
 Denver, CO 800.289.7663

Detroit Lakes, MN 888.594.1394  
 Fontana, CA 800.782.7953  
 Fort Smith, AR 877.452.3915  
 Independence, MO 800.747.0012

Jacksonville, FL 800.394.4419  
 Jefferson, OH 800.321.5833  
 Mocksville, NC 800.228.6119  
 Nashville, TN 800.251.8508  
 Rock Island, IL 800.747.1206  
 Rogers, MN 800.328.9316

Seattle, WA 800.431.3470  
 Sellersburg, IN 800.999.7777  
 Sioux Falls, SD 888.299.0024  
 Spokane, WA 800.572.6565  
 Temple, TX 800.543.4415  
 Woodland, CA 800.759.6019