

# CONCEPT SERIES®

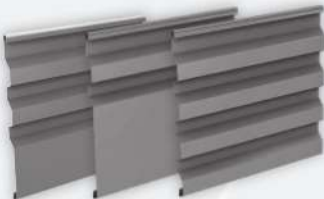
## CONCEALED FASTENER PANEL

CS-610, CS-612, CS-613, CS-620, CS-623, CS-630, CS-660

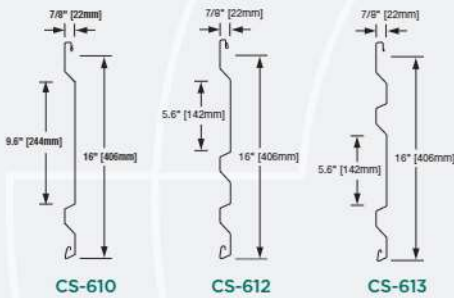
### TECHNICAL DATA SHEET



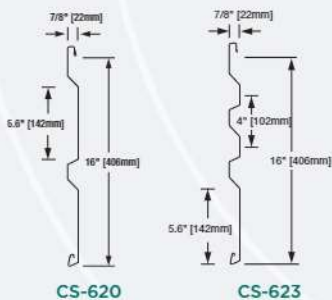
CS-610 CS-612 CS-613 CS-620



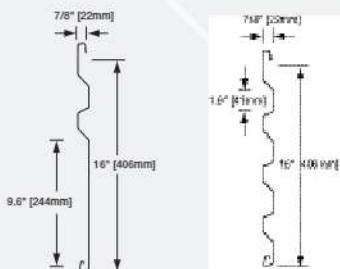
CS-623 CS-630 CS-660



CS-610 CS-612 CS-613



CS-620 CS-623



CS-630 CS-660

### DESCRIPTION

16" [406mm] wide coverage, 7/8" [22mm] deep profiled panels featuring two, three or four asymmetrical ribs. These profiles have a unique interlocking side joint that incorporates a 16 gauge [1.52mm] clip that provides concealed fastening and allows for thermal movement in non-overlapping conditions. This joint also functions to minimize moisture intrusion. All Concept Series wall panels can be installed in a variety of horizontal or vertical rainscreen applications to form a complete wall system. Systems may vary from an uninsulated screen wall to a system utilizing MetalWrap®, an insulated composite backup panel system that provides Advanced Thermal and Moisture Protection (ATMP®).

### GENERAL DESIGN OPTIONS

CONCEPT SERIES®			
PANEL THICKNESS	3/8" [22mm]		
PANEL COVERAGE	16" [406mm]		
SIDE LAP	Interlocking		
	Galvanized <sup>1</sup> (G90)	Stainless Steel <sup>1</sup> (304)	Aluminum <sup>1</sup> (3003-H14)
END LAPS	(See standard detail) Shop or field notch 2" [51mm] for 22 [0.76mm] and 24 [0.60mm] gauges only. Flash or extrusion for all gauges <sup>6</sup>	(See standard detail) Shop or field notch 2" [51mm] for 22 [0.76mm] and 24 [0.60mm] gauges only. Flash for all gauges <sup>6</sup>	(See standard detail) Shop or field notch 2" [51mm] for 0.032" [.81mm] only. Flash or extrusion for all thick- nesses <sup>6</sup>
Gauges (STANDARD)	20 [0.91mm], 22 [0.76mm]	20 [0.91mm], 22 [0.76mm]	0.040" [1.02mm], 0.050" [1.27mm] <sup>4</sup>
Gauges (OPTIONAL)	18 [1.19mm], 24 [0.60mm] CS-660 only	24 [0.60mm] CS-660 only	0.032" [0.81mm] CS- 660 only
STANDARD LENGTH	5 [1.524m] - 30 ft. [9.144m]	5 [1.524m] - 30 ft. [9.144m]	5 [1.524m] - 20 ft. [6.096m]
STANDARD TEXTURE	Smooth	Smooth	Smooth
OPTIONAL TEXTURE	Embossed <sup>2</sup> (20 [0.91mm] thru 24 [0.60mm] gauge only)	Contact CENTRIA <sup>2,3,5</sup>	Embossed <sup>2</sup> (0.032 [.81mm] and 0.040 [1.02mm] only)
FINISHES	See CENTRIA Color Chart	#4 Brushed	See CENTRIA Color Chart

1. Alternate base material, panel lengths and gauges may also be available. Contact CENTRIA.

2. Embossing is non-directional.

3. Not available in 18 gauge.

4. The 0.050" aluminum can be embossed but only on a "best effort" basis, in which varying depth of the pattern is likely and would not be a cause for rejection. Aluminum thicker than 0.050" cannot be embossed.

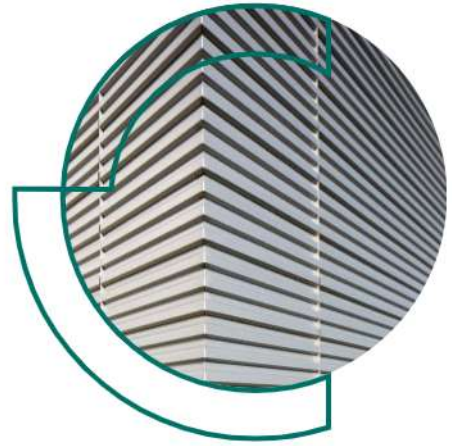
5. Stainless embossing, a Request for Deviation from standard must be entered to obtain project-specific approval.

6. End laps are not available for vertical panels. Stack flashing or Microline extrusions only



\* CS-610, CS-620, AND CS-610 Patent No.: US D538,948; D527,834

## CONCEPT SERIES DESIGN FEATURES & BENEFITS

- Featuring concealed fasteners and a common-lock joint that allows the panels to be integrated with each other
- Designed to be used with the CSC-1, CSC-2 and CSC-3 attachment clips.
- Concept Series wall panels can be erected vertically or horizontally.
- Wall panels may be installed in a variety of rainscreen applications to form a complete wall system
- Excellent for new construction and retrofit projects
- Cost-effective, all-weather installation capability shortens installation time; permits fast-track scheduling
- Panels are available with embossed or unembossed finishes



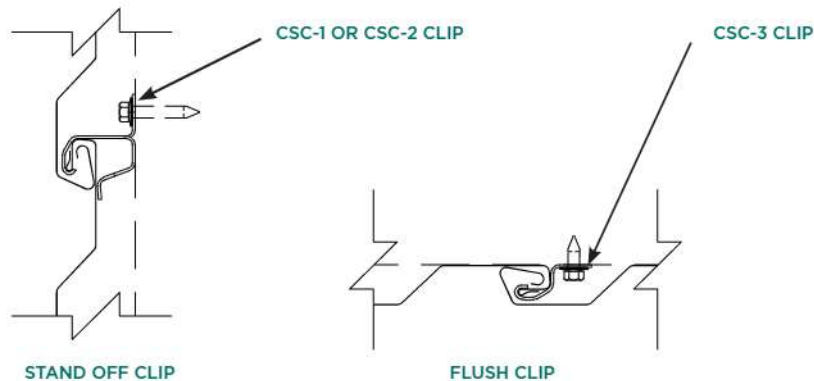
## CONCEPT SERIES TESTING

TEST	CHARACTERISTIC	TEST METHOD	TEST TITLE	RESULTS
 ENVIRONMENTAL	AIR LEAKAGE	Concept Series products are intended to be used only as rainscreens; an appropriate air & moisture barrier must be installed behind the product to comply with code requirements.		
	WATER PENETRATION			
 STRUCTURAL	IMPACT RESISTANCE	TAS 201, 202, 203	Determines whether a product used as external protection to maintain a building envelope provides sufficient resistance to windborne debris.	Approved for HVHZ; see FL3481.
	WIND LOADS	ASTM E72	Determines structural performance under uniform static air pressure difference	See load-span tables for allowable spans/loads under positive or negative loading.

## INSTALLATION

This Concept Series wall panel system has three attachment clip options. Contact your local CENTRIA Sales Representative for more information.

1. CSC-1 clip (1/2" Stand-off) can be used for horizontal panels over sheathing / stud walls with flashing only.
2. CSC-2 clip (3/4" Stand-off) is used for horizontal panels over sheathing / stud walls with MicroLine extrusions.
3. CSC-3 clip (Flush Clip - 0" Stand-off) designed for vertical panels or horizontal panels over subgirts over concrete / masonry walls.
4. If clips are used with a vertical panels a fix point fastener shall be used at the tops of walls.



## NOTES

- A. For information on special applications, contact your local CENTRIA Representative.
- B. All Concept Series panels may be used on walls and soffits but not roofs.
- C. Panel length tolerance is + or - 1/4" [6mm].
- D. For protective coatings - see CENTRIA Color Chart or visit [www.CENTRIA.com](http://www.CENTRIA.com).
- E. Oil canning within mill tolerances will not be cause for rejection.