

SRS 3

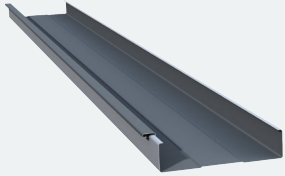
STANDING SEAM METAL ROOF PANELS

TECHNICAL DATA SHEET

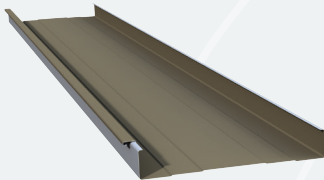


DESCRIPTION

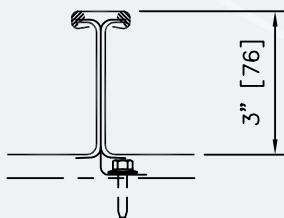
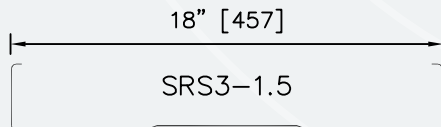
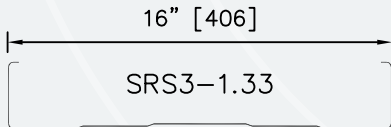
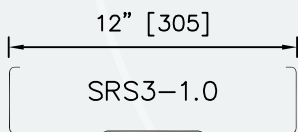
SRS Structural Standing Seam Roof Systems are designed as true standing seam roof systems which offer high performance structural features while attaining aesthetic lines required in architectural systems. They are designed as a weather tight low-slope system for roofing in both new construction and retrofit, and provide a low maintenance, long-lasting roof for any type of building. The SRS 3 panels employ a separate field applied or factory-caulked continuous batten which provides for installation in both directions. SRS 3 panels are non-directional, which enables them to be installed left to right, right to left, or from the middle of a roof in both directions. When directional finishes are used (Micas, Metallics, etc.) one direction of installation must be held.



12" PLANKED



18" PLANKED



SEAMED PANEL

GENERAL DESIGN OPTIONS

SRS 3		
	Galvanized ¹ (G90) (Standard)	Galvalume 50,000 psi (Optional)
PANEL HEIGHT	3" [76.2mm] NOMINAL	3" [76.2mm] NOMINAL
PANEL WIDTH	12" [305mm], 16" [406mm], 18" [457mm]	12" [305mm], 16" [406mm], 18" [457mm]
PANEL LENGTH	Factory-formed to 48 ft. [14.630m] 48 ft. [14.630m] to 60 ft. [18.288m]; with special transportation permit. Field-formed up to 220 ft. [67.056m]	Factory-formed to 48 ft. [14.630m] 48 ft. [14.630m] to 60 ft. [18.288m]; with special transportation permit. Field-formed up to 220 ft. [67.056m]
STIFFENING RIBS	Planked	Planked
FACTORY SIDE LAP	Mechanically seamed	Mechanically seamed
FACTORY END LAP	Factory notched and flared	Factory notched and flared
FACTORY SEALANT	Non-curing butyl (2 beads in batten) ⁵	Non-curing butyl (2 beads in batten) ⁵
GAGE	20 [.91mm], 22 [.76mm], 24 [.60mm] (standard) 18 [1.19mm] (optional)	20 [.91mm], 22 [.76mm], 24 [.60mm] (standard) 18 [1.19mm] (optional)
BATTEN ²	20 [.91mm], 22 [.76mm], 24 [.60mm]	20 [.91mm], 22 [.76mm], 24 [.60mm]
CLIPS	One-piece (Galvanized or Stainless steel) (standard) Two-piece clips ³ (optional)	One-piece (Galvanized or Stainless steel) (standard) Two-piece clips ³ (optional)
MINIMUM ROOF SLOPE	1/2": 12" w/o endlaps 1:12 w/ endlaps	1/2": 12" w/o endlaps 1:12 w/ endlaps
EXPOSED EXTERIOR	1.0 mil PVDF, 1.6 mil Duragard, 2.4 mil Duragard Plus	1.0 mil PVDF, 1.6 mil Duragard, 2.4 mil Duragard Plus
NON-EXPOSED INTERIOR	0.5 mil primer/backer	0.5 mil primer/backer
SURFACE FINISH	Smooth (standard) Embossed (optional) ⁴	Smooth (standard) Embossed (optional) ⁴

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

2. Battens are the same gage as panel except when panel is 18 [1.19mm] gage, batten must be 20 [.91mm] for 18 [1.19mm] gage panels.

3. Available for aluminum or COE projects.

4. Embossing is non-directional.

5. Field applied webbed mastic tape is optional and is required for weather-tight warranties and field roll formed SRS3.



"Oil Canning" is an inherent part of light gage cold-formed metal products, particularly those with broad flat areas. CENTRIA takes every precaution, as defined by MCA, to minimize the effects of oil canning. Lack of flatness or waviness due to oil canning is not sufficient cause for rejection of material.

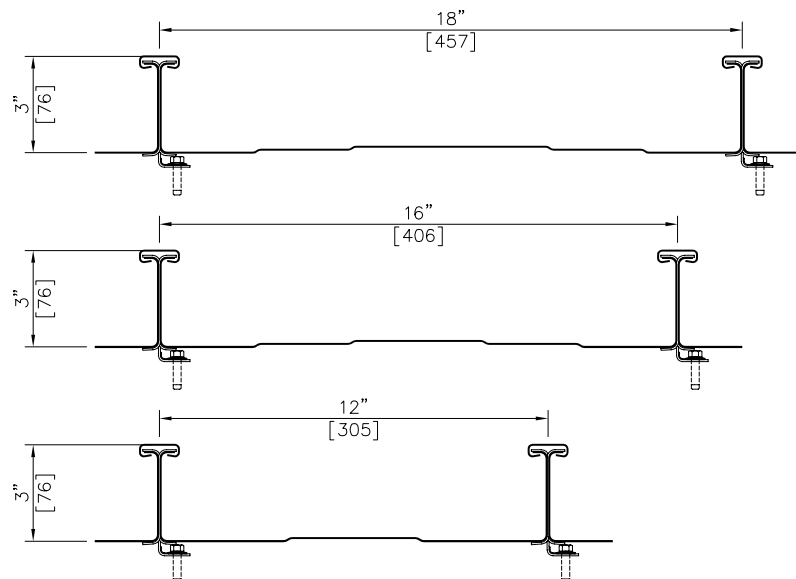
SRS 3 ROOF DESIGN FEATURES & BENEFITS

- May be installed over a variety of support substrates, including open framing, steel deck, or plywood deck
- Mechanically seamed side joint with a separate continuous batten
- Concealed clip system reduces roof penetrations and includes a built-in standoff to allow for thermal movement
- SRS 3 panels may be erected from left-to-right, right-to-left, or from the middle working both directions
- Field roll forming and curving capabilities allow for longer continuous panel lengths than can be shipped on trucks



STANDING SEAM SRS 3 TESTING

TEST	CHARACTERISTIC	TEST METHOD	TEST TITLE	RESULTS
 ENVIRONMENTAL	AIR LEAKAGE	ASTM E 1680	Determines resistance to air leakage	0.036 cfm/sf at 4.0 psf
	WATER PENETRATION	ASTM E 1646	Determines resistance to water penetration by uniform static air pressure difference	No penetration at 12.0 psf
	STANDING WATER	ASTM E 2140	Determines resistance to water penetration when submerged under standing water	No leakage with 8" of standing water for 24 hours
 STRUCTURAL	WIND LOADS	ASTM E 1592 & USACOE Uplift Test	Determines structural performance under uniform static air pressure difference	See load span tables
	IMPACT RESISTANCE	TAS 100, TAS 110, TAS 125	Determines whether a product used as external protection to maintain a building envelope provides sufficient resistance tot windborne debris	Approved HVHZ; see FL16205
	WIND UPLIFT RATINGS	UL 580	Determines uplift resistance rating of roof assemblies	Class 90 for steel purlins, steel deck, and plywood constructions
FM 4471		Determines uplift resistance rating of roof assemblies	1-90 for steel purlin and steel deck construction, 1-180 for steel purlin construction	



NOTES

- For information on special applications, contact your local CENTRIA Sales Representative.
- Panel length tolerance is $\pm 1/4$ " [6mm].