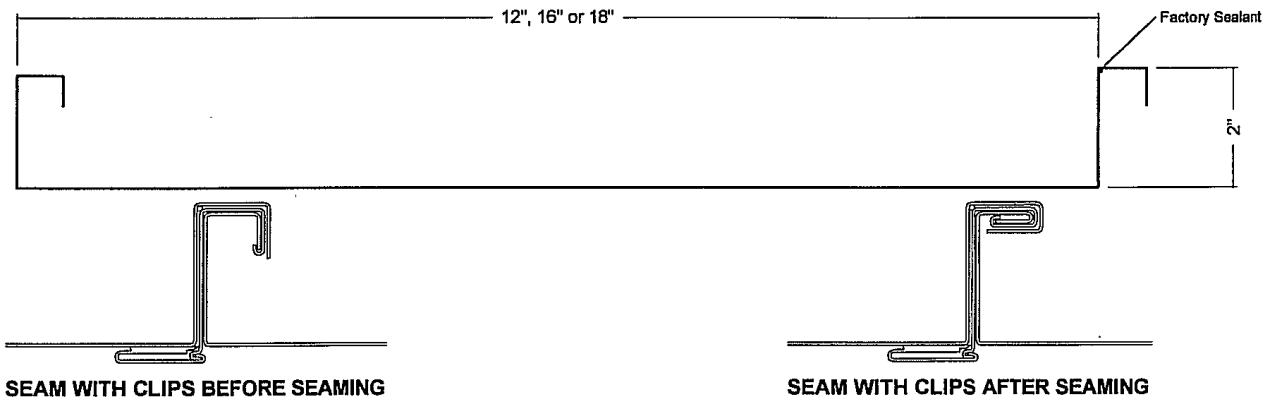


STRUCTURAL STANDING SEAM



STRUCTURAL STANDING SEAM PROFILE



ALLOWABLE WIND UPLIFT LOADS (PSF)

Material	Gage	Width	Span				
			3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
STEEL	24	12"	53	53	53	53	53
STEEL	24	18"	35	35	35	35	35
STEEL	22	12"	70	70	70	70	70
STEEL	22	18"	47	47	47	47	47

Notes:

1. Allowable loads shown are based on 1980 edition of AISI specifications.
2. Deflection is limited to L/240 of span.
3. Loads are based on spans of 3 or more.
4. FY = 50 ksi for steel panels.
5. Uplift values based on attachment to 16 ga. purlins with 2 - #10-16 x 1" SD ST screws.

TEST REPORT SUMMARIES

AIR INFILTRATION: had 0.01 cfm / SF leakage with 15 psf pressure differential per ASTM E 283.

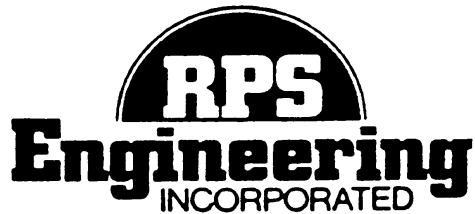
WATER RESISTANCE: No water penetration under 5 gallon per hour spray at 6.24 psf pressure differential per ASTM E 331.

UL90 UPLIFT RATING: 16" wide, 24 ga. steel panels with clips installed over 16 ga. purlins (40 ksi steel) and spaced maximum of 5'-0" O.C. with one screw per clip. Insulation varies with Construction No. (Construction No. 90, 176, and 180).

UL90 UPLIFT RATING: 16" wide, 24 ga. steel panels with clips spaced a maximum of 48" O.C. over rigid insulation (min. 1" thick and 2.0 pcf) over 22 ga. steel deck (33 ksi) with one #11 x 3 3/4" long self-drilling screw with Phillips drive and flat head per clip and bearing plate under each clip. Bearing plate is 0.050" x 3" x 3.25". (Construction No. 238).

UL90 UPLIFT RATING: 16" wide, 24 ga. steel panels with clips spaced a maximum of 2'-0" O.C. installed over 1/2" plywood deck with two #12-14 x 1" pancake head screws per clip. (Construction No. 548).

UL90 UPLIFT RATING: 16" wide, 24 ga. steel panels with clips a maximum of 5'-0" O.C. installed over 5/8" plywood deck with two #10 x 1" pancake head screws per clip. (Construction No. 549). Fabral recommends a maximum clip spacing of 2'-0" O.C. for installations over plywood.



ROLL CURVED ROOFING PROJECTS



PROJECT: Apachi Day Camps
Lake Zurich, IL

FEATURES: Roll Curved 2" Structural Standing Seam Panel
On Site Curving of Standing Seam Panels

RPS Engineering has the capacity to curve 2" deep structural standing seam panels at job sites with our portable curving machine that is transported to the site via trailer or semi trailer with operator supplied by RPS Engineering. We can get down to a radius of 10' – 0" with specific panels.

R.P.S. Engineering, Inc. (847) 931-1950 Office Facsimile	P.O. Box 5186 (800) 931-1950 Outside Illinois	Elgin, Illinois Outside Illinois	60121-5186 (847) 931-4274
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