

**PETERSEN ALUMINUM CORP.
SNAP CLAD STANDING SEAM ROOF PANEL
18" WIDE X 22 GA STEEL**

NEGATIVE DESIGN LOADS

SPAN	TEST LOAD*	NEGATIVE DESIGN LOAD (FS = 2.0)**	NEGATIVE DESIGN LOAD (FS = 1.65)***
4'	124.8 psf	62.4 psf	75.63 psf
3'	160.33 psf	80.16 psf	97.17 psf
2'	195.87 psf	97.93 psf	118.71 psf
1'	231.4 psf	115.7 psf	140.24 psf

* Negative (Uplift) Test Pressure from UL 1897 testing.

** Negative Design Load obtained using a factor of safety of 2.0

*** Negative Design Load obtained using a factor of safety of 1.65

- All values for 3' and 2' spans are interpolated.
- Design Engineer shall use appropriate Factor of Safety based on required building codes and project specifications.
- These values do not consider fastener pullout or pullover which must be evaluated by the Design Engineer.
- Deck Assembly: 22 ga Steel Decking, 2" ISO, 60 MIL "Peel & Stick" Membrane, with Clips on Bearing Plates.