

**PETERSEN ALUMINUM CORP.
TITE LOC PLUS
STANDING SEAM ROOF PANEL
12" WIDE X 0.040" ALUM.**

NEGATIVE DESIGN LOADS

SPAN	TEST LOAD*	NEGATIVE DESIGN LOAD (FS = 2.0)**	NEGATIVE DESIGN LOAD (FS = 1.65)***
4'	105.0 psf	52.5 psf	63.63 psf
3'	177.3 psf	88.65 psf	107.45 psf
2'	249.6 psf	124.8 psf	151.27 psf
1'	321.9 psf	160.95 psf	195.09 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.