

**PETERSEN ALUMINUM CORP.
TITE LOC PLUS
STANDING SEAM ROOF PANEL
18" WIDE X 24 GA STEEL**

NEGATIVE DESIGN LOADS

SPAN	TEST LOAD*	NEGATIVE DESIGN LOAD (FS = 2.0)**	NEGATIVE DESIGN LOAD (FS = 1.65)***
4'	60 psf	30 psf	36.36 psf
3'	87.71 psf	43.85 psf	53.15 psf
2'	115.43 psf	57.71 psf	69.95 psf
1'	143.14 psf	71.57 psf	86.75 psf
0.5'	157.0 psf	78.5 psf	95.15 psf

* Negative (Uplift) Test Pressure from UL 580/1897 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', 2' and 1' 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.