

**PETERSEN ALUMINUM CORP.
TITE LOC PLUS
STANDING SEAM ROOF PANEL
12” WIDE X 22 GA STEEL**

NEGATIVE DESIGN LOADS

SPAN	TEST LOAD*	NEGATIVE DESIGN LOAD (FS = 2.0)**	NEGATIVE DESIGN LOAD (FS = 1.65)***
4'	112.0 psf	56.0 psf	67.8 psf
3'	186.5 psf	93.2 psf	113.0 psf
2'	261.0 psf	130.5 psf	158.1 psf
1'	335.5 psf	167.7 psf	203.3 psf
0.5'	372.8 psf	186.4 psf	225.9 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.