

PETERSEN ALUMINUM CORP.
7.2 ROOF PANEL
24 GA STEEL

NEGATIVE DESIGN LOADS

SPAN	TEST LOAD*	NEGATIVE DESIGN LOAD (FS = 2.0)**	NEGATIVE DESIGN LOAD (FS = 1.65)***
5'	157.7 psf	78.8 psf	95.5 psf
4'	211.6 psf	105.8 psf	128.2 psf
3'	265.5 psf	132.7 psf	160.9 psf
2'	319.4 psf	159.7 psf	193.5 psf

* Negative (Uplift) Test Pressure from ASTM E1592 testing. See Farabaugh Engineering and Testing, Inc. Test Report Project No. T277-08 for test data and details.

** 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 4' and 3' 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.