

**PETERSEN ALUMINUM CORP.
7/8" CORRUGATED ROOF PANEL
24 GA STEEL**

NEGATIVE DESIGN LOADS

SPAN	TEST LOAD*	NEGATIVE DESIGN LOAD (FS = 2.0)**	NEGATIVE DESIGN LOAD (FS = 1.65)***
5'	157.3 psf	78.6 psf	95.3 psf
4'	211.4 psf	105.7 psf	128.1 psf
3'	265.5 psf	132.7 psf	160.9 psf
2'	319.6 psf	159.8 psf	193.7 psf

* Negative (Uplift) Test Pressure from ASTM E1592 testing. See Farabaugh Engineering and Testing, Inc. Test Report Project No. T124-09 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.