

**PETERSEN ALUMINUM CORP.
7/8" CORRUGATED ROOF PANEL
0.032" ALUMINUM**

NEGATIVE DESIGN LOADS

SPAN	TEST LOAD*	NEGATIVE DESIGN LOAD (FS = 2.0)**	NEGATIVE DESIGN LOAD (FS = 1.65)***
5'	94.2 psf	47.1 psf	57.1 psf
4'	167.0 psf	83.5 psf	101.2 psf
3'	239.9 psf	119.9 psf	145.4 psf
2'	312.8 psf	156.4 psf	189.5 psf

* Negative (Uplift) Test Pressure from ASTM E1592 testing. See Farabaugh Engineering and Testing, Inc. Test Report Project No. T126-09 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.