

**NEGATIVE WIND PRESSURE LOAD/SPAN CHART
PETERSEN ALUMINUM - PRECISION HIGHLINE SERIES
HLS1C @ 12" X 24 GA STEEL (w/clip)**



PAC PRECISION SERIES HIGHLINE - S1

THREE OR MORE EQUAL SPANS	
Span (in feet)	(-) w (PSF)
1.00	181.27
1.25	145.02
1.50	120.85
1.75	103.58
2.00	90.64
2.25	80.57
2.50	72.51
2.75	65.92
3.00	60.42
3.25	55.78
3.50	51.79
3.75	48.34
4.00	45.32

NOTES

- 1 (-) W = Allowable Uniform Wind Pressure, psf
- 2 Charted values consider Bending Stress, Connection Strength and a deflection limit of L/180
- 3 Allowable Bending Stress determination considers a Factor-of-Safety of 1.65
- 4 Allowable Connection Strength determination considers a Factor-of-Safety of 2.0
- 5 Negative wind pressure testing utilized ASTM E-330 protocol.
- 6 Tests were performed by Farabaugh Engineering & Testing, Inc.
- 7 Section of Properties determination based on the latest edition of the AISI Specification or Aluminum Association Testing.

4/13/2017

Petersen Aluminum Corporation

1005 Tonne Road, Elk Grove Village, IL 60007

P 800 PAC CLAD **F** 800 722 7150