

**NEGATIVE WIND PRESSURE LOAD/SPAN CHART**  
**PETERSEN ALUMINUM - PRECISION HIGHLINE SERIES**  
**HLS1 @ 12" X 24 GA STEEL (w/fastener leg)**



PAC PRECISION SERIES HIGHLINE - S1

THREE OR MORE EQUAL SPANS	
Span (in feet)	(-) w (PSF)
1.00	134.73
1.25	107.78
1.50	89.82
1.75	76.99
2.00	67.36
2.25	59.88
2.50	53.89
2.75	48.99
3.00	44.91
3.25	41.45
3.50	38.49
3.75	35.93
4.00	33.68

**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.

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