

**NEGATIVE WIND PRESSURE LOAD/SPAN CHART
PETERSEN ALUMINUM - PRECISION HIGHLINE SERIES
HLS2 @ 16" X 050 ALUMINUM (w/fastener leg)**



PAC PRECISION SERIES HIGHLINE - S2

| THREE OR MORE EQUAL SPANS | |
|---------------------------|-------------|
| Span (in feet) | (-) w (PSF) |
| 1.00 | 76.09 |
| 1.25 | 60.87 |
| 1.50 | 50.73 |
| 1.75 | 43.48 |
| 2.00 | 38.05 |
| 2.25 | 33.82 |
| 2.50 | 30.44 |
| 2.75 | 27.67 |
| 3.00 | 25.36 |
| 3.25 | 23.41 |
| 3.50 | 21.74 |
| 3.75 | 19.01 |
| 4.00 | 16.71 |

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