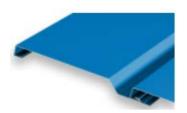


## NEGATIVE WIND PRESSURE LOAD/SPAN CHART PETERSEN ALUMINUM - PRECISION HIGHLINE SERIES HLS2C @ 16" X 050 ALUMINUM (w/clip leg)



## PAC PRECISION SERIES HIGHLINE - S2

| THREE OR MORE EQUAL SPANS |             |
|---------------------------|-------------|
|                           |             |
| Span (in feet)            | (-) w (PSF) |
| 1.00                      | 142.09      |
| 1.25                      | 113.67      |
| 1.50                      | 94.73       |
| 1.75                      | 81.19       |
| 2.00                      | 65.35       |
| 2.25                      | 51.63       |
| 2.50                      | 41.82       |
| 2.75                      | 34.57       |
| 3.00                      | 29.04       |
| 3.25                      | 24.75       |
| 3.50                      | 21.34       |
| 3.75                      | 18.59       |
| 4.00                      | 16.34       |

## **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

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