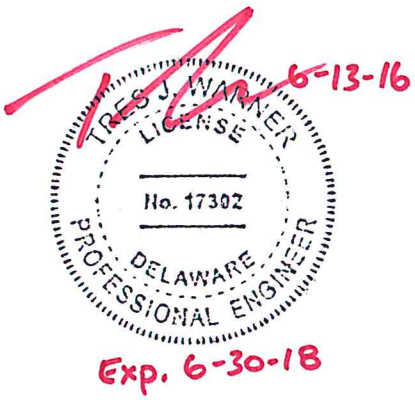
Table Notes – Tabulated values are based on the following criteria:

1. ASCE 7-05 & 7-10: Building mean roof height = 30 ft maximum & Risk Category = II.
2. Solar panel maximum area = 21.9 square feet (79.75 in. x 39.5 in.) Landscape & 18.1 square feet (66 in. x 39.5 in.) Portrait.
3. Solar panel dead load = approximately 3.0 psf.
4. 2.5" minimum penetration of lag screw into 2x roof framing, excluding the tapered tip portion.
5. PV panel must comply with UL 1703.
6. The Mounting Assembly Extension tables may be used when installing through concrete roof tiles where the lag screw passes through everything outlined above with the exception of the asphalt roof shingles. The "Coupler" used to increase the overall height of the mounting system shall be no more than 7 ½ inches in height. All other tables apply to a surface mounted asphalt roof shingle installation only without the "Coupler" installed.
7. In the portrait tables * indicates that the double mounting assembly may be used to increase the spacing. The double mounting assembly shall only be used to increase the spacing when located at the corner bracket or at the cantilever end as described in the previous paragraph. Please see the LightSpeed Mount Installation Manual for more information.
8. SPF #2 = Spruce-Pine-Fir #2 Grade.

Our analysis assumes that the connections and associated hardware are installed in a workmanlike manner in accordance with the LightSpeed Mount Installation Manual and generally accepted standards of construction practice. It is the responsibility of the contractor to verify that the strength of the roof framing meets the minimum properties used in the tests and can safely support the maximum imposed loads stated within this document. Starling Madison Lofquist, Inc. and Pegasus Solar™ assume no liability beyond what is specifically shown in this letter. Additional information is available at the Pegasus Solar™ web site, http://pegasussolar.com/

Please feel free to contact me at your convenience if you have any questions.

Respectfully yours,



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