August 6, 2019

SnapNrack
775 Fiero Lane, Ste. 200
San Luis Obispo, CA 93401
TEL: (877) 732-2860

Attn.: SnapNrack - Engineering Department

Re: Report # 2018-11940.03 – SnapNrack Ultra Rail Solar Photovoltaic Racking System with UR-60 Rail
Subject: Engineering Certification for the State of North Carolina

PZSE, Inc. – Structural Engineers has provided engineering and span tables for the SnapNrack Ultra Rail Racking System with UR-60 Rail, as presented in PZSE Report # 2018-11940.03, "Engineering Certification and Span Tables for the SnapNrack Ultra Rail Solar Photovoltaic Racking System". All information, data, and analysis therein are based on, and comply with, the following building codes and typical specifications:

Building Codes:

1. ASCE/SEI 7-05 & 7-10, Minimum Design Loads for Buildings and other Structures, by American Society of Civil Engineers
2. 2009 & 2012 International Building Code, by International Code Council, Inc.
3. 2009 & 2012 International Residential Code, by International Code Council, Inc.
4. AC428, Acceptance Criteria for Modular Framing Systems Used to Support Photovoltaic (PV) Panels, November 1, 2012 by ICC-ES
5. Aluminum Design Manual 2005 & 2010 by The Aluminum Association, Inc
6. ANSI/AWC NDS-2012, National Design Specification for Wood Construction, by the American Wood Council

Design Criteria:

Risk Category II
Seismic Design Category = A - E
Basic Wind Speed (ultimate) per ASCE 7-10: up to 190 mph
Basic Wind Speed (service) per ASCE 7-05: up to 147 mph
Ground Snow Load = 0 to 120 (psf)

This letter certifies that the loading criteria and design basis for the SnapNrack Ultra Rail Racking System with UR-60 Rail Span Tables are in compliance with the above codes.

DIGITALLY SIGNED
NORTH CAROLINA PROFESSIONAL SEAL 41973 EXP 12/31/2020 ENGINEER PAUL K. ZACHER

If you have any questions on the above, do not hesitate to call.

Prepared by:
PZSE, Inc. – Structural Engineers
Roseville, CA