



February 4, 2019

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

Attn.: SnapNrack - Engineering Department

Re: Report # 2017-03227.09 – SnapNrack Ultra Rail Solar Photovoltaic Racking System with UR-40 Rail
Subject: Engineering Certification for the State of New Hampshire

PZSE, Inc. – Structural Engineers has provided engineering and span tables for the SnapNrack Ultra Rail Racking System w/ UR-40 Rail, as presented in PZSE Report # 2017-03227.09, "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, Minimum Design Loads for Buildings and Other Structures, by American Society of Civil Engineers
 2. 2009 International Building Code, by International Code Council, Inc.
 3. 2009 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, by The Aluminum Association, Inc.
 6. ANSI/AF&PA NDS-05, National Design Specification for Wood Construction, by American Forest & Paper Association

Design Criteria:

Risk Category II
 Seismic Design Category = A - E
 Basic Wind Speed (ultimate) per ASCE 7-05 = 85 mph 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 w/ UR-40 Rail Span Tables are in compliance with the above codes.

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

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

