



June 6, 2019

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

Attn.: SnapNrack - Engineering Department

Re: Report # 2019-02916A.01 – SnapNrack RL Universal Rail-less System  
Subject: Engineering Certification for the State of Illinois

PZSE, Inc. – Structural Engineers has provided engineering and span tables for the SnapNrack RL Universal Rail-less System, as presented in PZSE Report # 2019-02916A.01, "Engineering Certification for the SnapNrack RL Universal Rail-less System (2019-02916-A.01)". 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, & 7-16, Minimum Design Loads for Buildings and other Structures, by American Society of Civil Engineers
  2. 2006, 2009, 2012, 2015, & 2018 International Building Code, by International Code Council, Inc.
  3. 2009, 2012 & 2015 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 & 2015 by The Aluminum Association, Inc
  6. ANSI/AWC NDS-2015, National Design Specification for Wood Construction, by the American Wood Council

Design Criteria:

Ground Snow Load = 0 - 90 (psf)  
Basic Wind Speed = 110 - 180 (mph)  
Roof Mean Height = 0 - 60 (ft)  
Roof Pitch = 0 - 90 (degrees)  
Exposure Category = B, C & D

This letter certifies that the loading criteria and design basis for the SnapNrack RL Universal Rail-less System 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

DIGITALLY SIGNED

