



September 17, 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 & B.01 – SnapNrack RL Universal Rail-less System
Subject: Engineering Certification for the State of North Carolina

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 & B.01, "Engineering Certification for the SnapNrack RL Universal Rail-less System (2019-02916-A.01 & 2019-02916-B.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 7-10 & 7-16, Minimum Design Loads for Buildings and other Structures, by American Society of Civil Engineers
 2. 2018 North Carolina Building Code, based on the 2018 International Building Code
 3. 2018 North Carolina Residential Code, based on the 2018 International Residential Building Code
 4. AC428, Acceptance Criteria for Modular Framing Systems Used to Support Photovoltaic (PV) Panels, November 1, 2012 by ICC-ES
 5. Aluminum Design Manual 2015 by The Aluminum Association, Inc
 6. ANSI/AF&PA NDS-05 & ANSI/AWC NDS-2012, National Design Specification for Wood Construction, by the American Wood Council

Design Criteria:

Ground Snow Load = 0 - 90 (psf)
Basic Wind Speed = 105 - 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

