



September 10, 2020

Everest Solar Systems LCC
2835 La Mirada Dr, Suite A
Vista, CA 92081
TEL: (760) 301-5300

Attn.: Everest Solar - Engineering Department

Re: Report # 2019-01435HG.01 – Everest Solar CrossRail - Dual Rail System for Gable and Hip Roofs
Subject: Engineering Certification for the State of Virginia

PZSE, Inc. – Structural Engineers has provided engineering and span tables for the Everest Solar CrossRail, as presented in PZSE Report # 2019-01435HG.01, "Engineering Certification for the Everest Solar CrossRail - Dual Rail System for Gable and Hip Roofs". All information, data, and analysis therein are based on, and comply with, the following building codes and typical specifications:

- Building Codes:
1. ASCE/SEI 7-16, Minimum Design Loads for Buildings and Other Structures, by American Society of Civil Engineers
 2. 2018 International Building Code, by International Code Council, Inc.
 3. 2018 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 2015, by The Aluminum Association, Inc.
 6. ANSI/AWC NDS-2018, National Design Specification for Wood Construction, by the American Wood Council

Design Criteria:

Risk Category II
Seismic Design Category = A - E
Exposure Category = B, C & D
Basic Wind Speed (ultimate) per ASCE 7-16 = 95 mph to 200 mph
Ground Snow Load = 0 to 100 (psf)

This letter certifies that the loading criteria and design basis for the Everest Solar CrossRail 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

