



September 2, 2022

Sunmodo Corp
14800 NE 65th St
Vancouver, WA 98682
TEL: (360) 844-0048

Attn.: Sunmodo Corp - Engineering Department

Re: Report # 2021-02963HG.01 – Sunmodo SMR100
Subject: Engineering Certification for the State of Missouri

PZSE, Inc. – Structural Engineers has provided engineering and span tables for the Sunmodo SMR100 Rail, as presented in PZSE Report # 2021-02963HG.01, "Sunmodo SMR100 Rail, Engineering Certification 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 7-10 & 7-16, Minimum Design Loads for Buildings and other Structures, by American Society of Civil Engineers
 2. 2012, 2015, & 2018 International Building Code, by International Code Council, Inc.
 3. 2012, 2015, & 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-2012, 2015, & 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 7-10 & 7-16 = 90 mph to 190 mph
- Ground Snow Load = 0 to 90 (psf)

This letter certifies that the loading criteria and design basis for the Sunmodo SMR100 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

DIGITALLY SIGNED

