



September 18, 2018

UniRac  
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Attn.: Engineering Department,

Re: Engineering Certification for UniRac's SunFrame Microrail Design & Engineering Guide

PZSE, Inc.-Structural Engineers has reviewed UniRac's "SunFrame Microrail Design & Engineering Guide" published October 30, 2015 and specifically the Analytical Method – ASCE 7-10, and Pressure Tables for Flush Mounted Roof Systems.

This certification excludes connections to building structures and the effects on building structure components. All information, data and analysis contained within the Design & Engineering Guide are based on, and comply with the following:

1. 2015 International Building Code, by International Code Council, Inc., 2015
2. ASCE/SEI 7-10 Minimum Design Loads for Buildings and other Structures
3. 2015 Aluminum Design Manual, by The Aluminum Association, 2015
4. 780 CMR 9<sup>th</sup> Edition, by Board of Building Regulation and Standards, 2017
5. AC428, Acceptance Criteria for Modular Framing Systems Used to Support Photovoltaic (PV) Panels, effective June 2012 by ICC-ES

This letter certifies that the structural calculations contained within UniRac's "SunFrame Microrail Design & Engineering Guide" are in compliance with the above Codes.

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

Prepared By:  
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Roseville, CA

