



# DOTec CORP.

CUSTOMIZED ENGINEERING SOLUTIONS

May 10, 2016

Unirac, Inc.  
1411 Broadway Boulevard NE  
Albuquerque, New Mexico 87102-1545  
TEL: (505) 248-2702 (Technical Support)

Attn.: Engineering Department,

Re: Engineering Certification for Unirac's SFM, SunFrame Microrail (SFM)

DOTec Engineering, Inc. has reviewed Unirac's "SFM SunFrame Microrail Design & Engineering Guide" (PUB16APR29) and the SFM U-Builder on Unirac.com. The design methodology is acceptable for a code compliant racking structure supporting photovoltaic (PV) solar modules on pitched roofs for residential/commercial.

This certification excludes connections/attachments to the existing building structure and the effects on the existing structure components. All data, analysis, and information in the Design & Engineering Guide and in the U-Builder (online design tool) comply with the following:

- 2012 International Building Code, by International Code Council, Inc., 2012.
- ASCE/SEI 7-10 Minimum Design Loads and other Structures, by ASCE, 2010.
- 2010 Aluminum Design Manual (ADM), by the Aluminum Association, 2010.

This letter certifies that the structural calculations contained within Unirac's "SFM SunFrame Microrail Design & Engineering Guide" and design reports generated by the U-Builder are in compliance with the above Codes.

If you have any questions on the above, please contact Unirac, Inc. or DOTec Engineering, Inc.

Certification by:  
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*Dr. Ildefonso Al Gonzalez*  
*5/10/16*  
*PE, PhD*