



January 16, 2017

Rillito River Solar, LLC dba EcoFasten Solar  
289 Harrel Street  
Morrisville, VT 05661  
TEL: (877) 859-3947

Attn.: Engineering Department,

Re: Engineering Certification for the EcoFasten Rock-it System Installation Manual

This letter is to document that PZSE, Inc.-Structural Engineers has reviewed EcoFasten Rock-it System Installation Manual published October 12, 2015 and specifically the “Loading Tables”.

**SCOPE OF THE SYSTEM:**

The EcoFasten Rock-it System is a solar panel support system for installing solar photovoltaic arrays on sloped roofs of buildings. Typically such buildings are residential with shingle or tile roofs. The number and spacing of attachments to the roof structure can vary depending on various site specific criteria including, but not limited to, roof slope, spacing of supporting structural members and environmental loading.

**SCOPE OF OUR REVIEW:**

PZSE, Inc.–Structural Engineers provided a review of the following

- Rock-it System design methodology
- Rock-it System Installation Manual
- Rock-it System Loading Tables

and has determined that all information, data and analysis contained within the Installation Manual are based on, and are in compliance with, the structural requirements of the following Reference Documents:

- Minimum Design Loads for Buildings and other Structures, ASCE/SEI 7-10
- International Building Code, 2012 Edition, by International Code Council, Inc.
- Oregon Residential Specialty Code (ORSC), 2014 Edition, by the state of Oregon
- Aluminum Design Manual, 2010 & 2015 Editions, by The Aluminum Association

This letter certifies that the EcoFasten Rock-it System Installation Manual and Loading Tables are in compliance with the above Reference Documents.

8150 Sierra College Boulevard, Suite 150, Roseville, CA 95661

T 916.961.3960 F 916.961.3965 W [www.pzse.com](http://www.pzse.com)

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**DESIGN RESPONSIBILITY:**

The Rock-it System Installation Manual is intended to be used under the responsible charge of a registered design professional where required by the authority having jurisdiction. In all cases, the user of the Installation Manual has sole responsibility for the accuracy of the design and integrity of the system.

The Installation Manual does not check the capacity of the building structure to support the loads imposed on the building by the array, such as bending strength of roof rafters spanning between supports. This requires additional knowledge of the building and is outside the scope of the Installation Manual and our review.

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

Prepared By:  
PZSE, Inc. - Structural Engineers  
Roseville, CA

