



February 22nd, 2024

Unirac, Inc.
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Re.: Engineering Certification for the Unirac Large Array (ULA) Photovoltaic Panel Support System

Attn: Engineering Services

The Unirac Large Array (ULA) photovoltaic panel support system is a proprietary ground mounted system which supports photovoltaic panels.

Structural design is determined using the internal design tool developed by Unirac and covers a wide range of loading conditions and array sizes and allows the user to customize the input to match the specific project conditions.

We have reviewed the ULA photovoltaic panel support system methodology and U-builder tool and have determined that the design methodology is a rational approach and is in compliance with the structural requirements of the following Reference Documents:

Codes:

- o ASCE/SEI 7-05, 7-10 & 7-16 Minimum Design Loads for Buildings and Other Structures
- o International Building Code, 2006, 2009, 2012, 2015 & 2018 Editions Other:
- o Aluminum Design Manual, 2010 & 2015 Editions
- o Specification for Structural Steel Buildings ANSI/AISC 360-10
- o UDM-0001 Unirac – Large Array (U-LA) Design Methodology, Revision 1

This letter certifies that the ULA photovoltaic panel support system methodology and U-builder tool are in compliance with the above Reference Documents.

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

Alireza Mashhadi Ali, PE
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Director of Engineering Services



2/23/2024

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