

September 19, 2024

Unirac  
Attn: Engineering Services Department  
1411 Broadway Boulevard NE  
Albuquerque, NM 87102-1545  
TEL: (505) 242-6411

**RE: ENGINEERING CERTIFICATION LETTER FOR THE UNIRAC LARGE ARRAY (ULA) PV PANEL SUPPORT SYSTEM DESIGN TOOL  
STATE: VIRGINIA  
TECTONIC WORK ORDER #: 12557.35**

The Unirac Large Array (ULA) Photovoltaic Panel Support System is a proprietary framed photovoltaic panel support system that can be ground, or roof mounted. Tectonic Engineering Consultants P.C. (Tectonic) has reviewed the ULA design tool and design methodology.

Tectonic has determined that the design's tool methodology is approved and acceptable for the code-compliant racking structure supporting photovoltaic modules. The design approach complies with the structural requirements of the following reference documents:

Codes/Standards:

- Virginia Uniform Statewide Building Code (USBC), 2009 through 2021 Editions.
- 2021 International Building Code by International Code Council with provisions from SEAOC PV-2.
- ASCE/SEI 7-05 through 7-22 Minimum Design Loads for Buildings and Other Structures, by American Society of Civil Engineers.
- 2005-2020 Aluminum Design Manual, by Aluminum Association.

This letter certifies that the structural analysis of the racking members, connections, and components directly related to Unirac's system are in compliance with the above codes. If the loading criteria does not meet Unirac's specifications, owner shall contact Unirac for a site-specific certification.

The Unirac design tool should be used under the responsible charge of a registered professional engineer required by the authority having jurisdiction. The design tool and Unirac do not evaluate the PV panels themselves or specific corrosion requirements. See the construction and installation drawings and manuals for additional information provided by Unirac.

Sincerely,

**Tectonic**

Antonio A. Gualtieri, P.E.  
Executive Vice President

**Project Contact Info**

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Digitally signed by Antonio A. Gualtieri, P.E.  
Reason: I am approving this document  
Date: 2024-09-20 09:49:04:00