Tectonic
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

May 8, 2025
Unirac
Attn: Engineering Services Department
1411 Broadway Boulevard NE
Albuquerque, NM 87102-1545
TEL: (505) 242-6411

RE: ENGINEERING CERTIFICATION LETTER FOR THE UNIRAC NXT U MOUNT PV PANEL SUPPORT SYSTEM
STATE: OKLAHOMA
TECTONIC WORK ORDER #: 12557.82

The Unirac NXT U-Mount system is a proprietary framed photovoltaic panel support system that can be roof mounted. Tectonic Engineering Consultants P.C. (Tectonic) has reviewed the NXT design methodology along with the U-Builder tool; a Unirac online design tool.

Tectonic has determined that the design is a rational approach and follows the structural requirements of the following reference documents:

Codes/Standards:

- 2018 International Building Code by International Code Council w/ Provisions from SEAOC PV-2 2017.
- ASCE/SEI 7-16 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, the 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

Digitally signed by Antonio A. Gualtieri, P.E.
Reason: I am approving this document
Date: 2025-05-08 17:17-04:00

Project Contact Info

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