Tectonic
PRACTICAL SOLUTIONS. EXCEPTIONAL SERVICE.

May 7, 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: MISSOURI
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 & Surveying 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:

- Missouri Building Code 2018
- 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

Steven Matthews

Digitally signed by Steven Matthews
DN: cn=Steven Matthews c=US l=Mountainville o=TECTONIC ENGINEERING CONSULTANTS GEOLOGISTS & LAND SURVEYORS DPC ou=Corporate e=smatthews@tectonicengineering.com
Reason: I am the author of this document
Location:
Date: 2025-05-12 15:07-04:00

STATE OF MISSOURI
STEVEN M. MATTHEWS
NUMBER PE-2019023235
PROFESSIONAL ENGINEER

May 12, 2025

Steven Matthews, P.E.
Managing Director

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