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ID # 340881

BLUE RAVEN
SOLAR

STRUCTURAL OBSERVATION of SOLAR PANEL INSTALLATION

To Harnett County Inspector: July 1, 2021

Blue Raven Solar installed new roof-mounted solar panels at this residence. This letter documents the structural observation of the solar panel installation and structural work by a licensed Professional Engineer.

The work referenced herein was performed under the direction of the Blue Raven Solar Engineering Department and was supervised by the Blue Raven Solar Professional Engineer in Responsible Charge of the structural certification with a scope of work pursuant to NCGS 89C-20 & 21 NCAC 56.0701.(c).(3) operating out-of-state for this specific project, pursuant to NCGS 89C-24 & 21 NCAC 56.0901.(A), and as authorized by a Certificate of Authorization issued by *The North Carolina State Board of Examiners for Engineers and Surveyors*
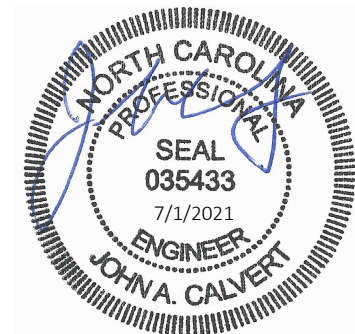
Installation:	Installation was completed and documented by Installation Technicians from Blue Raven Solar.
Observations:	Location, configuration and orientation of panels on the roof, location and attachment of standoffs to existing roof structure and the other structural specification of the Permit Pack.
Observed For:	Compliance with the 2018 North Carolina Residential Code and with the structural specifications of the Permit Pack that was submitted and approved for building permit, and that was previously certified for compliance with the structural provisions of the locally adopted building code.

If the installation deviated from the structural specifications of the approved Permit Pack, then the following corrections are required for compliance:

Deviations: None.

Corrections: None required.

Observed By: **John Calvert**, PE

Based on these observations, and on my professional experience and judgment, **the design and installation of the PV System meets the 2018 NC Residential Code, is installed per the PV System's manufacturers' installation requirements, and substantially complies with the structural specifications of the Permit Pack.**

NC Certificate of Authorization #0396