

Date: 11/30/2020

Project Name: Jessica Walker

Address: 232 Piney Field Rd. Fuquay, North Carolina 27526

During install the customer/rep said that the crew changes were already supposed to be made to move panels from the north facing plane to the east facing Mounting Plane instead. So we moved the panels to be on the east facing plane and updated the design on PV2, PV3, and PV4.

Please reach out to the team directly if you have any questions.

BRS Design

design@blueravensolar.com

(385) 498 – 4020



The Future of Energy. Today.

Jessica Walker
72232 Piney Field Rd.
Fuquay-Varina, NC 27526
ID # 84891681



STRUCTURAL OBSERVATION of SOLAR PANEL INSTALLATION

To the Harnett County Inspector:

November 24, 2020

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.



Digitally signed by John Calvert
Date: 2020.11.24 08:40:59 -07'00'

NC Certificate of Authorization #0396

APPENDIX G

DESIGN PROFESSIONAL INSPECTION FORM

RECORD OF THE INSPECTION OF A COMPONENT OR ELEMENT BY A NC LICENSED ARCHITECT OR ENGINEER

Project Information:

Residential Single-Family Project: <input checked="" type="radio"/> Y <input type="radio"/> N	Commercial Project: Y <input checked="" type="radio"/> N
Code Enforcement Project No:	Permit No: ERES2010-0042
Project Name: Jessica Walker	Owner: Jessica Walker
Project Address: 232 piney field rd Fuquay-Varina, North Carolina 27526	Suite No:
Date Inspected: 11/23/2020	Contractor Name: BLUE RAVEN SOLAR
Component Inspected: Residential rooftop PV installation	

Responsible Licensed NC Architect or NC Engineer

Name:	JOHN A. CALVERT
Firm Name:	BLUE RAVEN SOLAR
Phone Numbers:	Office: (385) 498-6700 Mobile:
Email Address:	ENGINEERING@BLUERAVENSOLAR.COM
Mailing Address:	1403 N. RESEARCH WAY, BUILDING J. OREM, UT 84097

APPLICABLE CODE: 2018 NCRC

2018 NCBC = 2018 NC Building Code; 2018 NCRC = 2018 NC Residential Code

Describe Element/Component/Type of Inspection: *

A field inspection of the installation has been performed by myself (a North Carolina registered design professional) or a person under my direct supervision. The PV equipment's structural installation has been designed and inspected. The equipment will not create a negative impact on the building's structural design, including any additional loads imposed (dead, snow, wind) and the installation is in compliance with the North Carolina Residential Code

*(subgrade form/letter may also be required)

Attestation/Signature:

By signing below, I certify that the component and/or element of the building as identified on this form has been inspected by me or someone under my direct supervision per subsection (b2) of NC G.S. 153A-352 and is in compliance with the approved plans & specifications for the project. This inspection is in compliance with all of the requirements of the above referenced code. Attach any additional documents if needed.

Digitally signed by John Calvert
Date: 2020.11.24 08:37:50 -07'00'

Licensed Architect or Engineer



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of Article 160A-413.5., Code Enforcement shall be discharged and released from any liabilities, duties and responsibilities imposed by this article or in common law from any claim arising out of or attributed to the component or element in the construction of the building for which the signed written document was submitted. Be aware that this inspection will be noted in all inspection records including the Certificate of Occupancy or Certificate of Compliance. This inspection does not address any local ordinances or zoning requirements.

4/2019



ELECTRICAL RESIDENTIAL

910-893-7525

www.harnett.org

PERMIT NUMBER

ERES2010-0042

JOB ADDRESS: 232 PINEY FIELD RD	PERMIT SUBTYPE: RESIDENTIAL SOLAR PANELS	PARCEL NO: 0644-29-5019.000
DESCRIPTION: Rooftop solar panels	DATE ISSUED: 10/23/2020	DATE EXPIRED:
PLAN NAME:	ZONING DISTRICT: RA-30 - 0.64 acres (100.0%)	

APPLICANT: Blue Raven Solar LLC 1220 South 630 East #430 American Fork, UT 84003	PHONE: (385)498-4408 EMAIL:
CONTRACTOR: Blue Raven Solar LLC 1220 South 630 East #430 American Fork, UT 84003	PHONE: (385)498-4408 EMAIL:
OWNER: WALKER JESSICA MARIE 232 PINEY FIELD RD FUQUAY-VARINA, NC 27526 FUQUAY VARINA, NC 27526	PHONE: EMAIL:

REQUIRED INSPECTIONS

INSPECTION TYPE	APPROVAL	DATE	COMMENTS
FINAL**			
ROUGH IN			



Cash Register Receipt

Harnett County

Receipt Number
R9420

DESCRIPTION	QTY	PAID
PermitTRAK		\$170.00
ERES2010-0042 Address: 232 PINEY FIELD RD APN: 0644-29-5019.000		\$170.00
LAND USE FEES		\$25.00
LAND USE PERMIT FEE	0	\$25.00
PLAN REVIEW FEES		\$25.00
PLAN REVIEW FEE RESIDENTIAL	0	\$25.00
RESIDENTIAL ELECTRIC FEES		\$120.00
RESIDENTIAL SOLAR PANEL FEE	0	\$120.00
TOTAL FEES PAID BY RECEIPT: R9420		\$170.00

Date Paid: Friday, October 23, 2020

Paid By: Blue Raven Solar LLC

Cashier: KBG

Pay Method: EMV 08434Q|388941215

