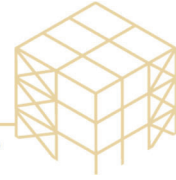


# Structural Capacity, PC

STRUCTURAL CONSULTING GROUP

North Carolina Firm License Number – C3406



July 11, 2022

Titan Solar Power NC, Inc.  
525 W. Baseline Road  
Mesa, AZ 85210

Re: McEachin, Robert– TSP90004 (SCPC Project No. – 2022.26.5530)  
171 West Stewart Street  
Coats, NC 27521

Titan Solar Power NC:

At the request of Titan Solar Power NC, an agent of Structural Capacity, PC (SCPC) made a site visit to observe solar panel installation on March 22, 2022, at the above noted site. SCPC provided a structural letter, dated September 15, 2021, “SCPC Letter” detailing installation requirements to meet loading requirements in accordance to the 2018 North Carolina Residential Code.

The PV equipment structural installation has been designed and inspected. In accordance to the engineered drawings, the equipment installation will not create a negative impact on the building’s structural design, including any additional load imposed (dead, snow, wind) and the installation is in compliance with the 2018 North Carolina Residential Code.

If there are any questions, feel free to contact me directly.

Structural Capacity, PC

Adrian S. Durham, PE, SE



## 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="checkbox"/> Y <input type="checkbox"/> N | Commercial Project: Y <input type="checkbox"/> <input checked="" type="checkbox"/> N |
| Code Enforcement Project No:  | Permit No: ERES2022-0012   |
| Project Name: TSP90004  | Owner: Robert McEachin   |
| Project Address: 171 West Stewart Street  | Suite No:  |
| Date Inspected: 03/24/2022  | Contractor Name: Titan Solar Power NC  |
| Component Inspected: Solar Panel Structural Attachment  |  |

**Responsible Licensed NC Architect or NC Engineer**

|                  |   |
|------------------|---|
| Name:            | Adrian Durham   |
| Firm Name:       | Structural Capacity, PC                               |
| Phone Numbers:   | Office: 704.900.8706    Mobile: 704.560.8324          |
| Email Address:   | adrian.durham@structuralcapacity.com                  |
| Mailing Address: | 218 Westinghouse Blvd., Suite 203 Charlotte, NC 28273 |

**APPLICABLE CODE:**  
2018 NCRC

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

Describe Element/Component/Type of Inspection: \*

Structural inspection of solar railing and anchorage.

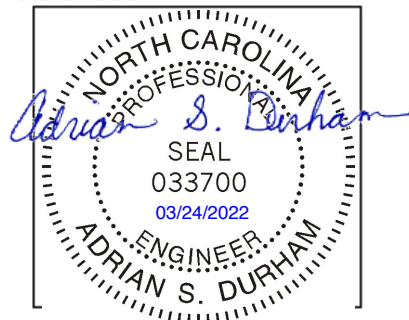
\*(subgrade form/letter may also be required)

**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 G.S. 160D-11-6 and is in compliance with the Code or other proposal of the architect or engineer for the project. This inspection is in compliance with all of the requirements of the above referenced code. Attach any additional documents if needed.

*Adrian S. Durham*

\_\_\_\_\_  
Licensed Architect or Engineer



**Inspection Department disclaimer:**

Upon the receipt of a signed written document as required under subsection (a) of G.S. 160D-11-1, 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.

*The guidance and opinions contained herein are not legal advice and may not necessarily reflect the most current statutory or code language.*