

12/16/2024

RE: Post Install Certification

Project Address: Spencer Richard  
44 Jack Harris Lane  
Spring Lake, NC 28390

Design Codes: 2018 North Carolina State Building Code  
2018 Residential Building Code  
ASCE 7-16 Minimum Design Loads for Associated Criteria for Buildings and Other Structures  
2018 NDS - National Design Specification for Wood Construction

Permit Number: ERES2411-0003

To Whom It May Concern,

On the above reference project, the structure had been previously reviewed for additional loading due to the installation of the solar PV addition to the roof. The previous structural review, including the plans and calculations, only apply to the section of roof that is directly supporting the solar PV system and its supporting elements.

The demand loading on the structure directly supporting the additional gravity loading due to the solar panel supports and modules had been reviewed post installation and determined to be in accordance with the requirements of the applicable codes, dead load, snow load, and wind loads as per previous structural analysis. The letter shall serve as a certification that the installation meets the requirements of the approved permit drawings.

Sincerely,

**Taqi Khawaja, PE**  
Structural Engineering Manager

