

Project/Job # JB-2752560-00

**Installation Approval Letter**

Project: William Alsobrook Residence  
 12583 McDougald Rd  
 Broadway, NC 27505

Date of Review 2025-02-27  
 Permit # ERES2412-0038  
 Date of Install 2025-02-26

AHJ Harnett County  
 SC Office Raleigh NC

**Design Criteria:**

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>- Applicable Codes</li> <li>- Risk Category</li> <li>- Wind Speed</li> <li>- Ground Snow Load</li> </ul> | Structure: 2018 NCEBC (IEBC 2015); PV: 2018 NCRC/NCBC (IRC/IBC 2015), ASCE 7-10, and 2015 NDS<br>II<br>120 mph (3-s Gust - Vult), Exposure Category C, Envelope Procedure for C&C<br>20 psf |
|---|---|

To Whom It May Concern,

I have reviewed the PV installation that was specified for this project to certify that the installation was completed in conformance with the permitted plans and manufacturer's specifications. The review is limited to mounting hardware and the loading on the structure directly supporting the installed array(s). Permitted plans and certification letter were stamped and signed by a professional engineer. Site documentation (photographs) used for this review is under my responsible charge and was provided by a delegate, (Colton Hykes on 2/26/25), on site whose documentation responsibilities are under my supervision (Henry Zhu, PE).

I certify that the system(s) currently installed sufficiently comply with the design criteria listed above and permitted plans, and any minor structural or layout changes are also compliant with the referenced code(s).

- i. The PV equipment's structural installation has been designed. The field documentation provided by the delegate noted above was reviewed by the PE.
- ii. The equipment will not create a negative impact on the building's structural framing from the imposed PV DL.
- iii. The PV installation is in compliance with the North Carolina Residential Code.

Should you have any further questions or requirements pertaining to this project, please do not hesitate to contact me.



Structural Only  
 NC Firm D-0427  
 Digitally signed by Henry Zhu  
 Date: 2025.02.27 11:21:05 -08'00'