

Project/Job # 2752214

### Installation Approval Letter

Project: Adams Residence  
219 Harvell Rd  
Coats, NC 27521

Date of Review 10/21/2024  
Permit # ERES2405-0019  
Date of Install 10/18/2024

AHJ Harnett County  
Tesla Operations Center Raleigh NC

### Design Criteria:

- Applicable Codes = Structure: 2018 NCEBC (IEBC 2015); PV: 2018 NCRC/NCBC (IRC/IBC 2015), ASCE 7-10, and 2015 NDS
- Risk Category = II
- Wind Speed = 120 mph (3-s Gust - Vult), Exposure Category C, Envelope Procedure for C&C
- Ground Snow Load = 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). Site documentation (photographs) used for this review is under my responsible charge and was provided by a delegate, (Colton Sykes on 10/18/2024), 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).

- The PV equipment's structural installation has been designed. The field documentation provided by the delegate noted above was reviewed by the PE.
- The equipment will not create a negative impact on the building's structural framing from the imposed PV DL.
- 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.



Digitally signed by Henry Zhu  
Date: 2024.10.21 17:23:10 -07'00'