

Benson Design Group
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June 26 2022

Mr. Kevin Kutsch
Lighting Electric 1
230 Blacksnake Rd.
Stanley, NC 28164

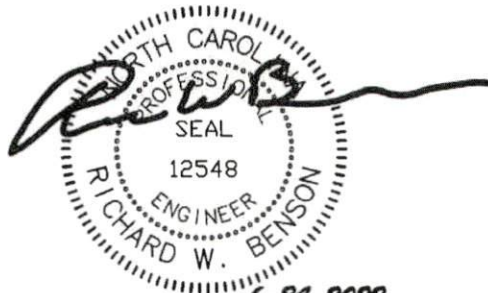
**Re: Certification letter for loads, form of attachment (parts and pieces) for 28 solar panels
being placed on the roof at 46 Silk Oak Dr., Bunnlevel, NC, 28323**

Kevin,

I have completed my review of the proposed installation of solar panels being the existing roof of the residence mentioned above and have determined the form of attachment and the roof members being attached to for span and spacing and found all to be within acceptable stresses/deflections prescribed with the 2018 North Carolina Residential Building Code with amendments for the transient and dead loads imparted to them. My review included checking loads due to a wind speed of 120mph, a seismic design category of B, ground snow load of 10psf and the solar panel dead load of 2.76psf and all load combinations prescribed in the aforementioned code.

If you have any questions concerning the content of what is written above please do not hesitate to contact me.

Best regards,



Richard W. Benson, P.E.

6-24-2022