

Benson Design Group
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October 12, 2019

Mr. Zach Hayes
Operations Manager
Thompson and Son Energy Solution
2000 MBA Court, Apt 2305
Concord, NC 28027

Re: Certification letter for loads, form of attachment (parts and pieces) and spacing and span of roof members supporting (21) new solar panels at 94 Donnibrook Run, Fuquay Varina, NC 27526

Dear Zach,

I have completed my review of the proposed installation of solar panels being affixed to the existing roof at the residence mentioned above using the Invisimount deck mount system by Sunpower. The existing roof is supported by 2x8@16" o.c. roof rafters with a maximum span of 10ft . All components of the system along with supporting substrate structure was evaluated for a wind speed of 120mph and a seismic design category B and any loads/load combinations resulting and were all found to be within acceptable allowable stresses and deflections.

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



Richard W. Benson, PE

