

Benson Design Group
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November 9, 2021

Ms Lacey Small
The SELSCO
8351 Palmetto Commerce Parkway, STE 203
Ladson, SC 29456

Re: Certification letter for loads, form of attachment (parts and pieces) and spacing and span of roof members supporting (30) new solar panels at 680 Cokesbury Park Ln, Fuquay Varina, NC 27526

Dear Lacey,

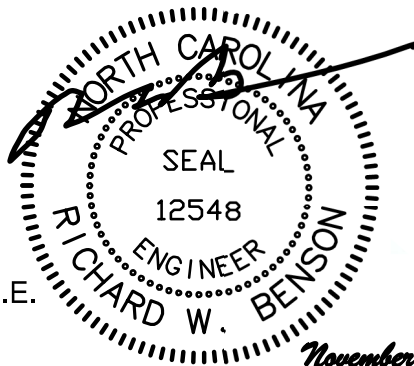
I have completed my review of the proposed installation of solar panels being affixed to the existing roof at the residence mentioned above using The Unirac deck mount system (documentation submitted herewith). The existing roof is supported by 2x4@16" o.c. rafters with a maximum span of 8ft. The deck mount system will consist of (1) 5/16" dia lag screws x 4" long per attachment. There one screw per flashing for a total of 62 flashings. All components of the system along with supporting substrate structure was evaluated for a wind speed of 116mph and a seismic design category B and any loads/load combinations resulting and were all found to be within acceptable allowable material stresses and deflections as noted in the 2018 North Carolina residential building 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.



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