

Kenneth Hesselbacher, P.E.
26 Rocky Hill Rd
New Fairfield, C.T. 06812

April 20, 2023

Christopher Hale
SunBlue Energy
147 Valley St
Sleepy Hollow NY 10591

Subject -Structural Analysis
Campili - 911 Fairway Lane
Mamaroneck, NY 10543

Dear Mr. Hale,

As requested, an analysis of the existing residence in terms of the proposed solar array you plan to install on the existing roof sections has been performed. The proposed array of 23 panels on the main house roof sections will add an additional dead load of approximately 1,150lbs to the 4 roof areas (2.5lb /sq ft). The roofs are framed with 2" x 8" rafters 16"OC spanning 12' or less with a double LVL structural ridge.

The capacity of sections of the roof structural framing has been evaluated in accordance with the 2020 NYS Residential Code and referenced standards - Designed for 130 MPH Wind - 30lb Snow Load, has the capacity to handle the addition of the Solar System.

Sincerely,



Kenneth Hesselbacher, P.E.

