

Michael E. Miele, PE

Licensed Professional Engineer

Licensed In New York, New Jersey, Connecticut & California

New York License # 079676

New Jersey License # 44042

Connecticut License # 23158

California License # 31508

March 23, 2023

Village of Mamaroneck Building Department

The Office of the Building Inspector

169 Mount Pleasant Ave.

Mamaroneck, NY 10543

Re: Philip Greven - 905 Sylvan Lane Mamaroneck, NY 10543
Single Family Residence, Solar Panel Loading Certification
Village of Mamaroneck, County of Westchester, State of New York

Dear Building Department

I am the engineer of record for the above referenced project. I have prepared the attached revised plans dated March 22, 2023 that consist of the installation of (45) Trina Solar Vertex S 395W solar panels at the above referenced location.

I can hereby certify that the existing roof structure combined with the additional weight of the solar panels meets the requirements of The 2020 Residential Code of New York State, Publication Date, November 2019.

The design loads were as follows,

Roof Design Load: 40psf live load

Wind Design Load: 120mph

No additional structural members were required.

The roof is currently framed with 2x10 wood framing @ 16" O.C. The roof structural members are in compliance with ASCE 7-16 for deflection and acceptable bending stress.

If you have any questions, please feel free to call me at any time. Thanks in advance.

Sincerely Yours,



Michael E. Miele, PE

