DEPT OF BLDGS 240308966 Job Number ES590573838 Scan Code

Tom Petersen

Architects • Planners

NYC Department of Buildings
Bronx Borough Office
1932 Arthur Avenue, 5th floor
Bronx, NY 10457

August 30, 2021

Re: Solar Panel Installation
Ganesh, Chatterpaul Residence
2888 Wellman Avenue
Bronx, NY 10461

Dear Sirs,

I've reviewed the proposed solar panel installation at this location to evaluate the existing roof structure and the connection of the panels to the roof.

Criteria:	Applicable codes:	2014 NYC Construction Code (w/ amendments)
		2001 Wood Frame Construction Manual
	Design roof load:	20 psf live load, 15 psf dead load, 35 psf total load
	Design wind load:	120 mph, 35 psf; Exposure Category 'B'

My findings are as follows.

1. The new solar panels will imply an additional dead load of 3 psf. The existing roof structure (flat roof: assumed 'true' 2x7 roof rafters @ 19" o.c., span = +/- 12'-0" to interior bearing) is sufficient to bear this additional load. Inaccessible, assumed or concealed structural members that were not documented during the initial site analysis will be verified by the system installer prior to the system installation, and any discrepancies will be reported to the Architect in writing.

2. The solar panels are attached to the roof with an adjustable tilt leg mounting system by Unirac, with components as shown on the attached drawings. The mounting system, roof connections and connection spacing are rated for 120 mph.

It is a violation of NYSED 7209 for any person, unless acting under the direction of a licensed professional, to alter an item in any way. If an item bearing the seal of a licensed professional is altered, the altering licensed professional must attach the notation 'altered by' with his seal, signature, date of alteration, and description of the alteration.

I therefore certify that this installation complies with the applicable codes and design loads mentioned above, as well as ASCE 7-16, and is acceptable for approval. Please let me know if you have any questions on this information. Thanks!

Sincerely yours,

Tom Petersen

REGISTERED ARCHITECT
THOMAS F. PETERSEN
EXCELSIOR
035290
STATE OF NEW YORK

Cc: Swapnil Prabhu, Venture Home Solar

6 Country Lane • Howell, New Jersey 07731 • Telephone 732-730-1763, Fax 732-730-1783