



May 22, 2018

Sunrun Inc.
133 Technology Dr, Suite 100
Irvine, CA, 92618

Subject: Structural Certification for Installation of Solar Panels
Job Number: 18-04134
Client: Natalie Tytman - 213R-011TYTM/213R-011TYT1
Address: 11 Andreovette Ave, Staten Island, NY 10312

Attn.: To Whom It May Concern

A field observation of the condition of the existing framing system was performed by an audit team from Sunrun Inc..
From the field observation of the property, the existing roof structure was observed as follows:
The existing roof structure consists of:

- Composition Shingle over Roof Plywood is supported by 2x8 @ 16"o.c. SPF#2 at ALL ARRAYS. The rafters are sloped at approximately 30 degree and have a maximum projected horizontal span of 13 ft 2 in between load bearing supports.

Design Criteria:

- Applicable Codes = 2014 NYC Building Code, ASCE 7-05 & 7-10, and NDS-05
- Ground Snow Load = 25 psf; Roof Snow Load = 17.4 psf ALL ARRAYS
- Roof Dead Load = 8.1 psf ALL ARRAYS
- Basic Wind Speed = 98 mph Exposure Category C

As a result of the completed field observation and design checks:

- ALL ARRAYS: is adequate to support the loading imposed by the installation of solar panels and modules. Therefore, no structural upgrades are required.

I certify that the capacity of the structural roof framing that directly supports the additional gravity loading due to the solar panel supports and modules had been reviewed and determined to meet or exceed the requirements without structural upgrade in accordance with the 2014 NYC Building Code

If you have any questions on the above, do not hesitate to call.

Sincerely,

Paul Zacher, S.E.

A handwritten signature in red ink, appearing to be 'Paul Zacher', written over a red circular stamp.

