



August 16, 2022

South Coast Solar  
2605 Ridgelake Drive  
Metairie, LA, 70002

Subject: Structural Certification for Installation of Solar Panels  
Job Number: 22-07992  
Client: VICKIE BOOTHE - 006823  
Address: 1632 8TH ST, APT B, NEW ORLEANS, LA 70115

Attn.: To Whom It May Concern

PZSE's scope of work is limited to performing a structural evaluation of loading at the address above. After review, PZSE certifies that the alteration to the existing structure by installation of the PV system meets the requirements of the applicable codes and criteria shown below:

**Design Criteria:**

- Applicable Codes = 2015 Louisiana Building Code, ASCE 7-10, and NDS-15
- Ground Snow Load = 0 psf; Roof Snow Load = 0 psf ARRAY 1
- Basic Wind Speed = 145 mph Exposure Category B
- Existing Roof Dead Load: ARRAY 1 = 10 psf
- Existing Roof Live Load: 20 psf

The existing structure is adequate to support the PV alteration per 2015 IEBC §3403A.3 & 3403A.4.

**PV System Assembly**

The PV module assembly including all structural supporting components have been reviewed to be in accordance with the manufacturers specifications and meets or exceeds all requirements set forth by the referenced codes above.

**Installation Requirements**

The PV system shall be mounted flush to the existing roof surface. The contractor shall notify PZSE of any signs of damage to the roof framing prior to commencing the installation. PZSE shall then determine if the existing roof is adequate to support the applied loads. The electrical engineering and system waterproofing shall be addressed by others.

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

Prepared By:  
PZSE, Inc. - Structural Engineers  
Roseville, CA

