



September 02, 2022

Diego Rodriguez  
2605 Ridgelake Dr.  
Metairie, LA 70002

Subject: Structural Certification Letter  
Job Number: PZSE Portal #7408  
Project Name: Frielder  
Client PO:  
Address: 1332 Calhoun Street, New Orleans, LA 70118

Attn.: To Whom It May Concern,  
Re: Residential Flush-Mount Solar Photovoltaic Installation

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 shows below:

#### Design Criteria

- Applicable Codes: 2015 Louisiana Building Code, ASCE 7-10 and NDS-15
- Ground Snow Load: 0 lb/sqft
- Basic Wind Speed: 144 mph, Exposure Category B
- Existing Roof Dead Load: 7 lb/sqft
- Existing Roof Live Load: 20 lb/sqft

The existing structure is adequate to support the PV alteration per Code Sections 3403A.3 and 3403A.4.

#### Residential PV Module Assembly

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

#### Residential 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 waterproofing system 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

