



9/24/2021

Freedom Forever LLC, 43445 Business Park Dr Suite 110, Temecula, CA 92590

Subject: Structural Certification for Installation of Residential Solar
re job: JESSICA & CHRISTOPHER BENOIT, 400 RIDGE VIEW DR, , CAMERON, NC 28326

Attn.: To Whom It May Concern

A field observation was performed to document the existing framing of the above mentioned address. From the field observation, the existing roof structure was observed as:

ROOF 1: Shingle roofing supported by 2x4 Rafter @ 24 in. OC spacing. The roof is sloped at approximately 14 degrees and has a max beam span of 10 ft between supports.

Design Criteria:

Code: 2018 NC Building Code (ASCE 7-10)

Ult Wind Speed:	125 mph	Ground Snow:	10 psf
Exposure Cat:	B	Min Roof Snow:	NA psf

After review of the field observation report and based on our structural capacity calculations in accordance with applicable building codes, the existing roof framing supporting the proposed solar panel layout has been determined to be:

ROOF 1: adequate to support the imposed loads. Therefore, no structural upgrades are required.

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