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August 2021

Property Owner: Jennette Spears

Property Address: 864 Old Stage Road South, Erwin, NC 28339

RE: Goundmount Installation

I have reviewed the address referenced above to determine the adequacy of the existing area supports the proposed installation of an array of solar panels in the ground.

The photovoltaic ground mount structure offered by Unirac is found to be of sufficient capacity for the design loads when installed in accordance with the drawings and calculations attached, and manufacturer's instructions. The foundation shall be installed as marked on the drawings to the depth specified in the drawing table. To the best of my professional knowledge and belief, the product and system installation will be in compliance with all state and local building codes and guidelines at the time of our review.

Evaluation Criteria:

Windspeed: 118

Applied Codes: ASCE 7-10 NCBC 2018 NEC 2017

Risk Category: II

Wind Exposure Category: C Ground Snow Load: 15 PSF

Footing Depth: 3' Row Spacing: 72"

Connection of Array to Ground:

Manufacturer: UNIRAC

Model: ULA (Unirac Large Array)

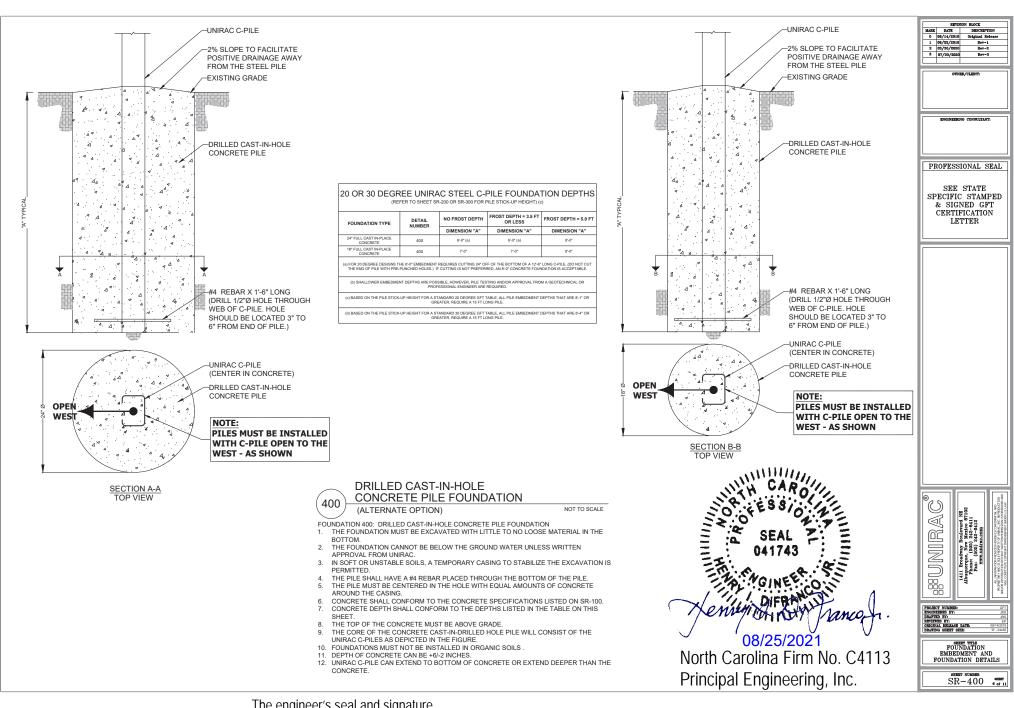
Foundation Type: Drilled Cast-In-Hole Concrete Pile

North Carolina Firm No. C4113 Principal Engineering, Inc.

Limitations

Unirac's ground mount system is to be installed per manufacturer's specifications and in accordance with accepted industry-wide safety standards. Electrical engineering is beyond our scope of the installation.

PRINCIPAL InfrastructureTM



The engineer's seal and signature on this manufacturer's drawing certifies the product for use in this project only.