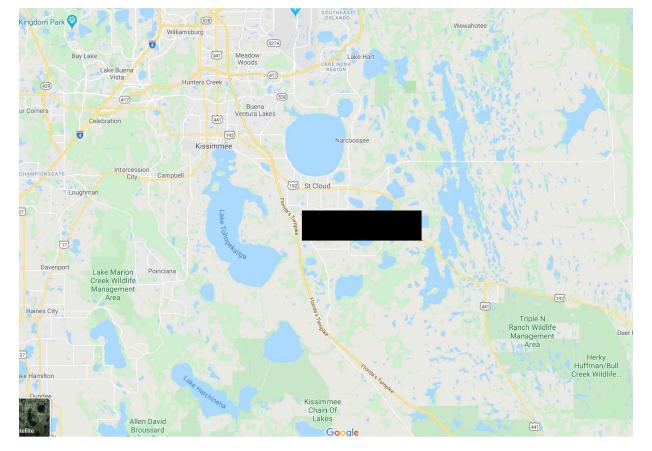
PV PROJECT - 11.665kWdc





PROPERTY ASSESOR MAP - PROJECT LOCATION

AERIAL MAP - PROJECT LOCATION

Sheet Size:

SCOPE OF WORK

Α

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THESE PLANS ARE FOR THE INSTALLATION OF A ROOF MOUNTED PHOTOVOLTAIC (PV) SYSTEM. THE PV SYSTEM WILL BE INTERCONNECTED WITH THE --- UTILITY GRID THROUGH EXISTING ELECTRICAL EQUIPMENT AND WILL OPERATE IN PARALLEL VIA LOAD SIDE CONNECTION WITH NET ENERGY METER.

GOVERNING BUILDING CODES

- 1. 2017 FLORIDA BUILDING CODE, 6TH **EDITION**
- 2014 NATIONAL ELECTRICAL CODE, NEC
- 3. FLORIDA FIRE PREVENTION CODE 5TH ED.
- 4. UL STANDARDS
- 4.1. RACKING - UL 2703
- PV MODULE UL 1703
- **INVERTER UL 1741** 4.3.

DESIGN SPECIFICATIONS

- 1. AHJ St Cloud Building Department
- 2. UTILITY ---
- **BUILDING RISK CATEGORY II**
- DESIGN WIND SPEED (ULT) 140MPH
- DESIGN SNOW LOAD 0
- **EXPOSURE CATEGORY B**
- MEAN ROOF HEIGHT 30 7.
- 8. ROOF SLOPE ---

PV SYSTEM SPECIFICATIONS

- 1. PV MODULE: 37 x JKM315M-60L; 11.655kWdc
- 2. INVERTER: IQ7-60-2-US
- 3. RACKING: Chiko rail RT Mini
- 4. ROOF TYPE:SHINGLE
- 5. AZIMUTH:--°

PV INSTALLATION OVERVIEW

ELECTRICAL

- a. POINT OF CONNECTION: LOAD
- b. MAX INV OUTPUT CURRENT: 1A.Ea
- c. PV AC DEDICATED OCP DEVICE RATING: 37 * 1A * 125% = 46.25A, 50A OCP
- d. UTILITY AC DISCONNECT REQ'D: ---

STRUCTURAL

- a. MAX ALLOWABLE SPACING BETWEEN ATTACH POINTS: 4FT
- b. MIN. NUMBER OF ATTACHMENT POINTS: 73
- c. WEIGHT PER ATTACHMENT POINT: 26.7LBS/ATTACH
- d. PV DEAD LOAD: 2.93PSF
- e. LENGTH OF RAIL REQUIRED: 249FT

Sheet List Table

Sheet Number	Sheet Title	
PV01	COVER	
PV02	NOTES	
PV03	E_PV SITE PLAN	
PV04	LINE DIAGRAM	
PV05	S_PV SITE LAYOUT	
PV06	PV ATTACH PLAN	

Contractor Info

10

Project Type - Photovoltaic

Project Location: RESIDENCE

Parcel Number: --Assessor Phone # (407) 957-7224

PV SYSTEM SPECIFICATIONS 1. PV MODULE: 37 x JKM315M-60L; 11.655kWdc

- 2. INVERTER: IQ7-60-2-US
- 3. RACKING: Chiko rail_RT Mini
- 4. ROOF TYPE:SHINGLE
 5. AZIMUTH:--°

File Name:

01_J.DOE_COVER.DWG

Sheet Number and Title: PV01 - COVER

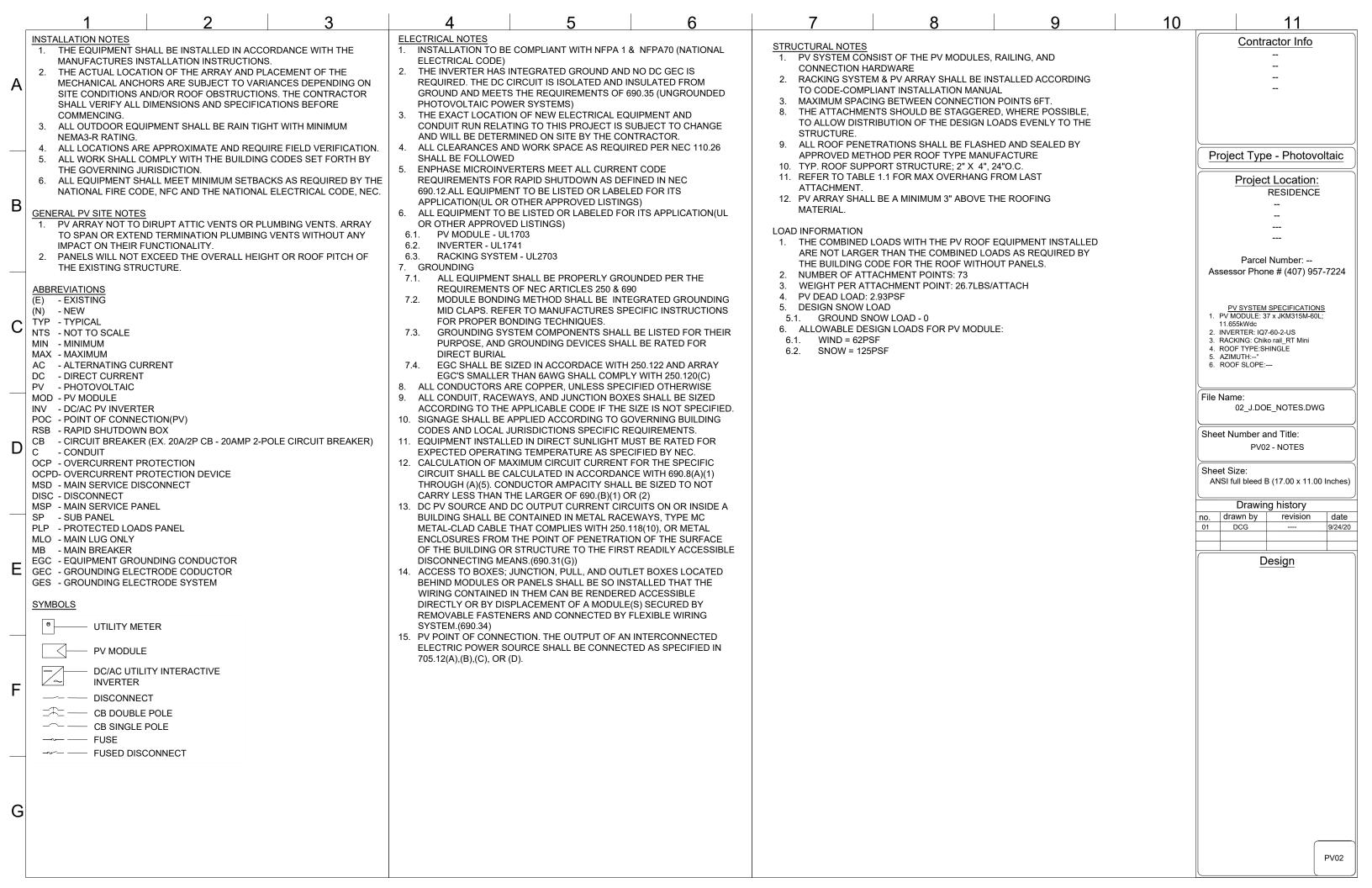
ANSI full bleed B (17.00 x 11.00 Inches)

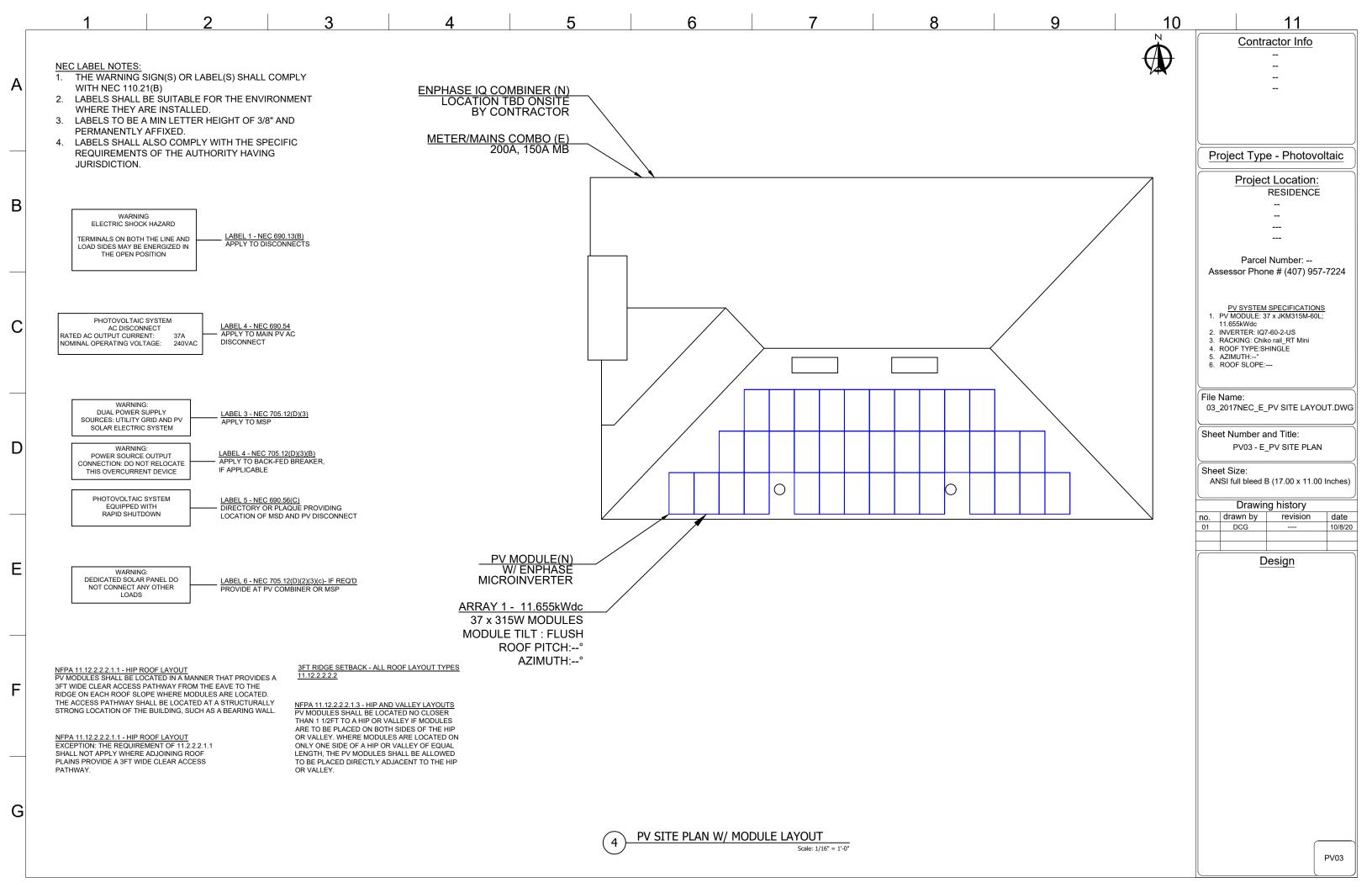
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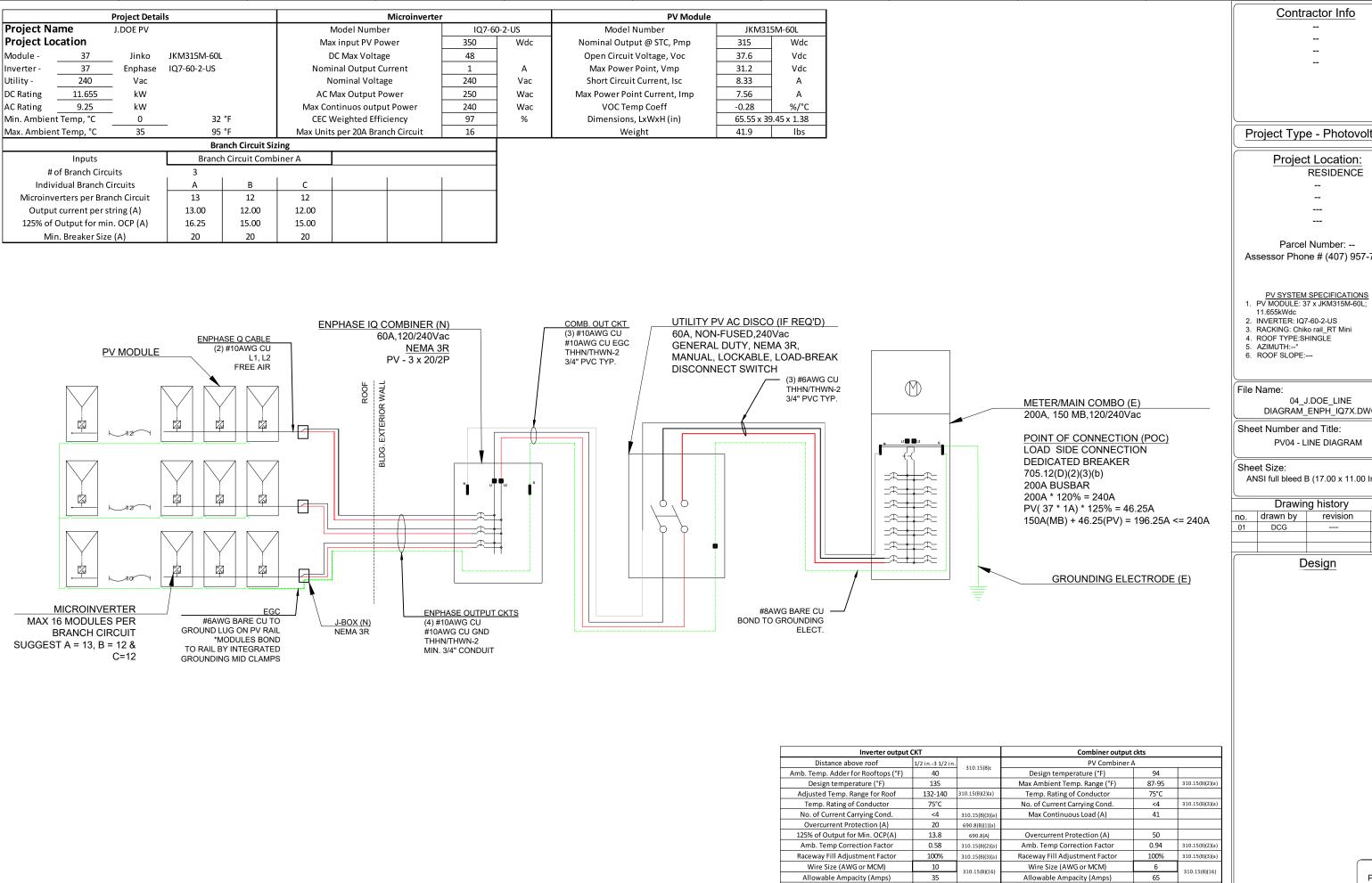
no.	drawn by	revision	date
01	DCG		9/24/20

Design

PV01







Adjusted Ampacity (Amps)

20

35*0.58*1=20.3

Adjusted Ampacity (Amps)

65*0.94*1=61.

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Contractor Info

10

Project Type - Photovoltaic

Project Location: RESIDENCE

Parcel Number: --Assessor Phone # (407) 957-7224

DIAGRAM_ENPH_IQ7X.DWG

PV04 - LINE DIAGRAM

ANSI full bleed B (17.00 x 11.00 Inches)

date

PV04

