

NEW PHOTOVOLTAIC ROOF MOUNTED SYSTEM - 8.280 KW DC/6.840 KW AC
& ENERGY STORAGE SYSTEM - 9.040 KWH
234 SW SCOTT PL, LAKE CITY, FL 32024

NEW PV SYSTEM SPECIFICATIONS

SYSTEM SIZE: DC SIZE: 8.280 KW DC-(STC)
AC SIZE: 6.840 KW AC
MODULE: (18) REC SOLAR REC460AA PURE-RX
INVERTER: (18) ENPHASE ENERGY IQ8X-80-M-US

NEW ESS SYSTEM SPECIFICATIONS

CONTROLLER: (1) SIGENERGY 9.6 KW ENERGY CONTROLLER (SIG-EC-9.6-SP) (1040057)
BATTERY: (1) SIGENERGY 9.0 KWH BATTERY (111300119)
GATEWAY: (1) SIGENERGY LOAD HUB (11110069)

DESIGN CRITERIA

ROOF SURFACE TYPE: COMPOSITE SHINGLE
ROOF FRAMING: 2"X4" TRUSS @ 24" OC
BUILDING STORY: ONE STORY
GROUND SNOW LOAD: 4 PSF
WIND SPEED: 119 MPH
WIND EXPOSURE: C
RISK CATEGORY: II

APPLICABLE CODES

ALL WORK SHALL CONFORM TO THE FOLLOWING CODES:
2023 8TH EDITION FLORIDA BUILDING CODE
2023 8TH EDITION FLORIDA RESIDENTIAL CODE
2023 8TH EDITION FLORIDA FIRE PREVENTION CODE
2020 NATIONAL ELECTRICAL CODE
AS ADOPTED BY COUNTY OF COLUMBIA

PROJECT NOTES

1.1.1 THIS PHOTOVOLTAIC (PV) & ENERGY STORAGE SYSTEM SHALL COMPLY WITH THE RELEVANT YEAR OF THE NATIONAL ELECTRICAL CODE (NEC), ALL MANUFACTURER'S LISTING AND INSTALLATION INSTRUCTIONS, AND THE RELEVANT CODES AS SPECIFIED BY THE AUTHORITY HAVING JURISDICTION'S (AHJ) APPLICABLE CODES.

1.1.2 THE UTILITY INTERCONNECTION APPLICATION MUST BE APPROVED AND THE PV & ENERGY STORAGE SYSTEM MUST BE INSPECTED PRIOR TO OPERATION

1.1.3 ALL PV & ENERGY STORAGE SYSTEM COMPONENTS: MODULES, UTILITY-INTERACTIVE INVERTERS, BATTERIES, AND SOURCE CIRCUIT COMBINER BOXES ARE IDENTIFIED AND LISTED FOR USE IN PHOTOVOLTAIC SYSTEMS AS REQUIRED BY NEC AND OTHER GOVERNING CODES

1.1.4 ALL SIGNAGE TO BE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE. IF EXPOSED TO SUNLIGHT, IT SHALL BE UV RESISTANT. ALL PLAQUES AND SIGNAGE WILL BE INSTALLED AS REQUIRED BY THE NEC AND AHJ.

SCOPE OF WORK

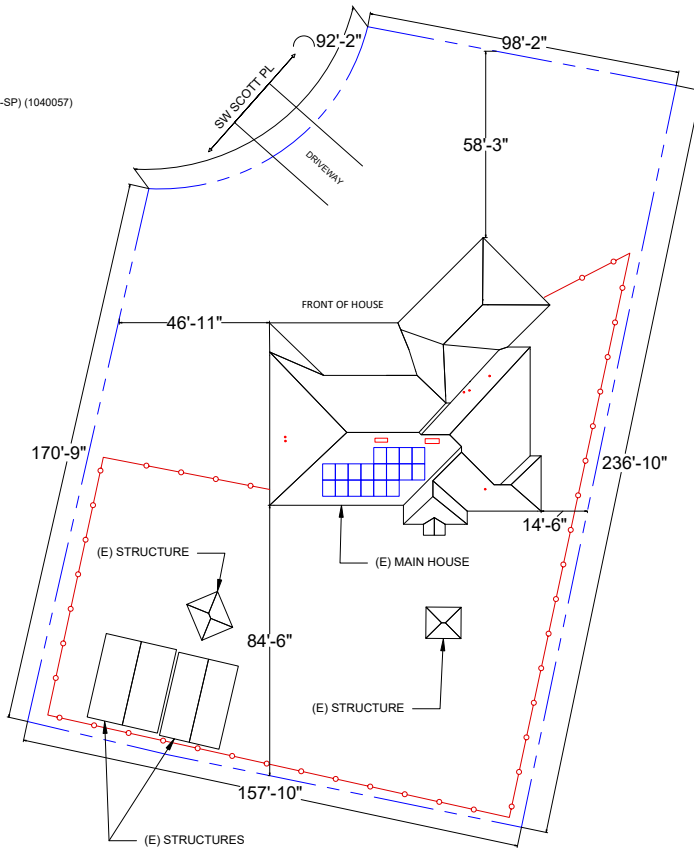
1.2.1 CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND SPECIFICATIONS OF THE GRID-TIED PHOTOVOLTAIC & ENERGY STORAGE SYSTEM. THE CONTRACTOR WILL BE RESPONSIBLE FOR COLLECTION OF EXISTING ONSITE CONDITIONS TO DESIGN, SPECIFY, AND INSTALL THE ROOF-MOUNTED PV SYSTEM AND ENERGY STORAGE SYSTEM DETAILED IN THIS DOCUMENT



1
PV-01

PROPERTY PLAN

SCALE: 1" = 30'-0"



SHEET INDEX

PV-01	COVER PAGE
PV-02	SITE PLAN
PV-03	ATTACHMENT PLAN
PV-04	ELECTRICAL DIAGRAM
PV-05	NOTES
PV-06	WARNING LABELS
PV-07	INSTALLATION RESOURCE
EQUIPMENT DATASHEETS ATTACHED	

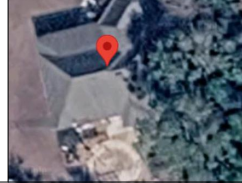
LEGEND

	- PROPERTY LINE
	- FENCE LINE

VICINITY MAP



SATELLITE MAP



CONTRACTOR



NEXT TRADEMARK LLC - ASTRAWATT
SOLAR SARASOTA DBA

PHONE - (225) 249-7125

Godwin Engineering & Design, LLC
8378 Foxtail Loop Pensacola, FL 32526
D. Chad Godwin, PE chad@godwineng.com



Digitally signed
by Donnie
Godwin
Date:
2026.07.22
17:52:36 -05'00'

PROJECT NAME & ADDRESS

PATRICIA BAILEY
234 SW SCOTT PL,
LAKE CITY, FL 32024

APN #: 10451602853415
AHJ: COUNTY OF COLUMBIA
UTILITY: CLAY ELECTRIC
COOPERATIVE, INC.

SYSTEM DETAILS

8.280 KW DC-(STC) / 6.840 KW AC
(18) REC SOLAR REC460AA PURE-RX
(18) ENPHASE ENERGY IQ8X-80-M-US
(1) SIGENERGY 9.6 KW ENERGY CONTROLLER
(SIG-EC-9.6-SP) (1040057)
(1) SIGENERGY 9.0 KWH BATTERY (111300119)
(1) SIGENERGY LOAD HUB (11110069)

REVISIONS

REV	DESCRIPTION	DATE

SHEET TITLE

COVER PAGE

DRAWN DATE 7/18/2026

DRAWN BY LD

SHEET NUMBER

PV-01