



SUSIE TRENKA

NEW GRID-INTERACTIVE PHOTOVOLTAIC SYSTEM WITH BATTERY STORAGE

DC SYSTEM SIZE (9.480 KW)

SUNPOWER®
 by South Coast Solar
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**FOR EXISTING
STRUCTURE ONLY**

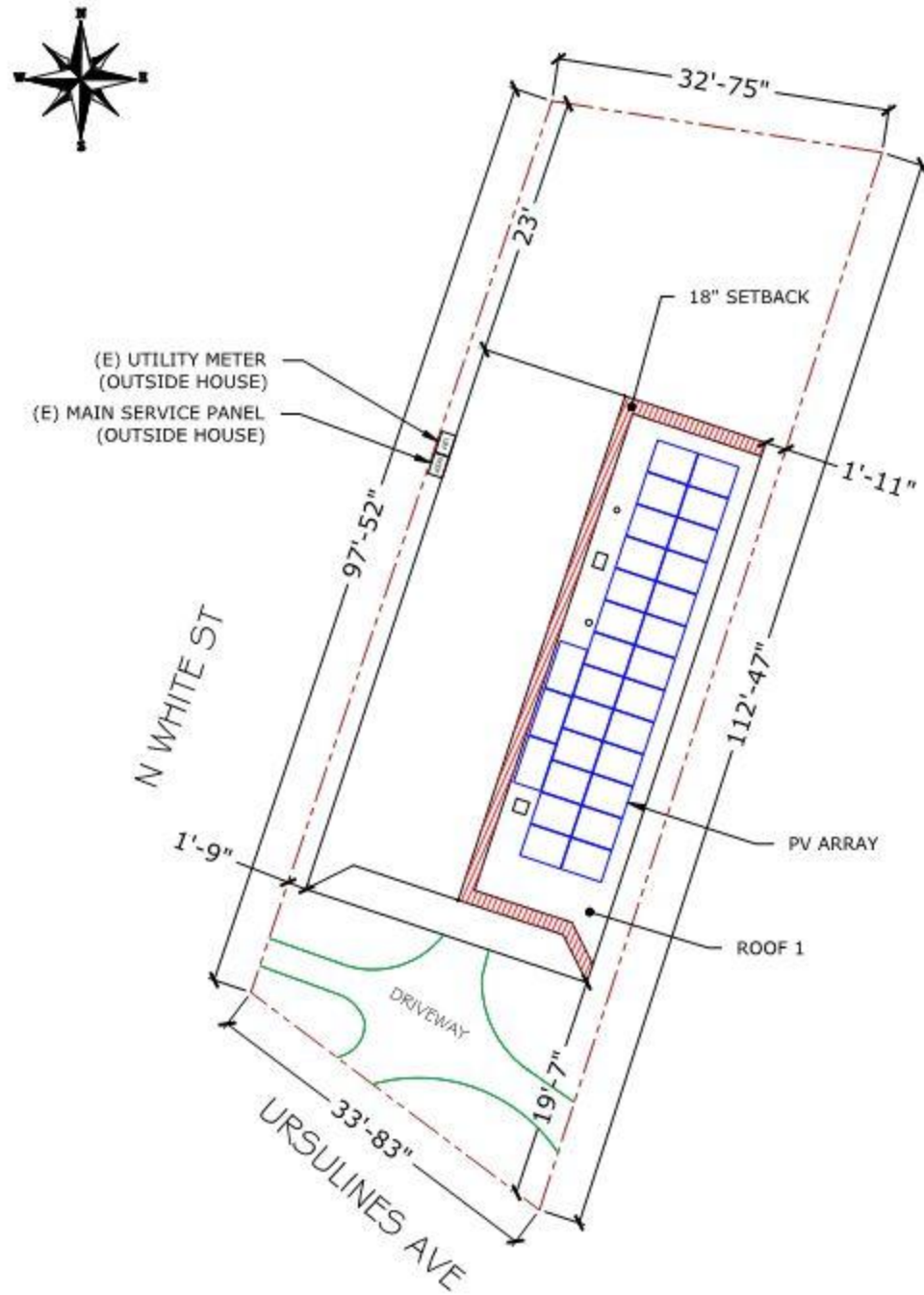
SUSIE TRENKA
 2741 URSULINES AVE.
 NEW ORLEANS LA 70119,
 USA

SYSTEM DETAILS	
DESCRIPTION	NEW GRID-INTERACTIVE PHOTOVOLTAIC SYSTEM
AC RATING OF SYSTEM	9.135 KW
DC RATING OF SYSTEM	9.483 KW
AC OUTPUT CURRENT	27.51 A
NO. OF MODULES	(29) SUNPOWER SPR E20-327-E-AC SOLAR MODULES
NO. OF INVERTERS	(29) SUNPOWER TYPE E IQ7XS MICROINVERTERS
ARRAY STRINGING	(2) BRANCHES OF 10 MODULES (1) BRANCH OF 09 MODULES
INTERCONNECTION	LINE SIDE TAP

SITE DETAILS	
ASHRAE EXTREME LOW	-1°C
ASHRAE 2% HIGH	34°C
GROUND SNOW LOAD	0 PSF
WIND SPEED	144MPH (ASCE 7-10)
RISK CATEGORY	II
WIND EXPOSURE CATEGORY	B

GOVERNING CODES	
INTERNATIONAL RESIDENTIAL CODE 2015 (IRC) 2015	
INTERNATIONAL BUILDING CODE 2015 (IBC) 2015	
INTERNATIONAL FIRE CODE 2015 (IFC) 2015	
NATIONAL ELECTRIC CODE, NEC 2014 CODE BOOK	

SHEET INDEX	
SHEET NO.	SHEET NAME
A - 00	SITE MAP & VICINITY MAP
B - 01	ROOF PLAN & MODULES
B - 02	ARRAY LAYOUT
B - 03	STRUCTURAL ATTACHMENT DETAIL
E - 01	SINGLE LINE DIAGRAM
E - 02	WIRING CALCULATIONS
E - 03	SYSTEM LABELING
L - 01	MICROINVERTER LAYOUT
L - 02	PV CIRCUIT
DS - 01	MODULE AND INVERTER DATASHEET
DS - 02	ATTACHMENT AND RACKING DATASHEET



REV ENGG	DESCRIPTION	DATE

PERMIT DEVELOPER	
DATE	09/03/2022
DESIGNER	OWA
REVIEWER	

SHEET NAME
**SITE MAP &
VICINITY MAP**

SHEET NUMBER
A-00