

PROJECT DESCRIPTION:

22 X MISSION SOLAR: MSE345SX5T 345W MODULES
 GROUND MOUNTED SOLAR PHOTOVOLTAIC MODULES
 DC SYSTEM SIZE: 7.590KW DC
 AC SYSTEM SIZE: 7.600KW AC

EQUIPMENT SUMMARY

22 MISSION SOLAR: MSE345SX5T 345W MODULES
 22 GENERAC SNAPRS801
 03 GENERAC PV LINK S2502 POWER OPTIMIZERS
 01 GENERAC PWRCELL: X7602 7600W INVERTER
 01 GENERAC PWRCELL: 9kW (18kWh) BATTERY

GROUND ARRAY AREA:- 438.46 SQ FT

AUTHORITIES HAVING JURISDICTION

BUILDING: HARNETT COUNTY
 ZONING: HARNETT COUNTY
 UTILITY: DUKE ENERGY

APPLICABLE CODES & STANDARDS

NCBC 2018
 NEC 2017

DESIGN SPECIFICATIONS

OCCUPANCY: II
 CONSTRUCTION: SINGLE-FAMILY
 ZONING: RESIDENTIAL
 GROUND SNOW LOAD: 10 PSF
 WIND EXPOSURE: B
 WIND SPEED: 115 MPH

SCOTT E WYSSLING, PE

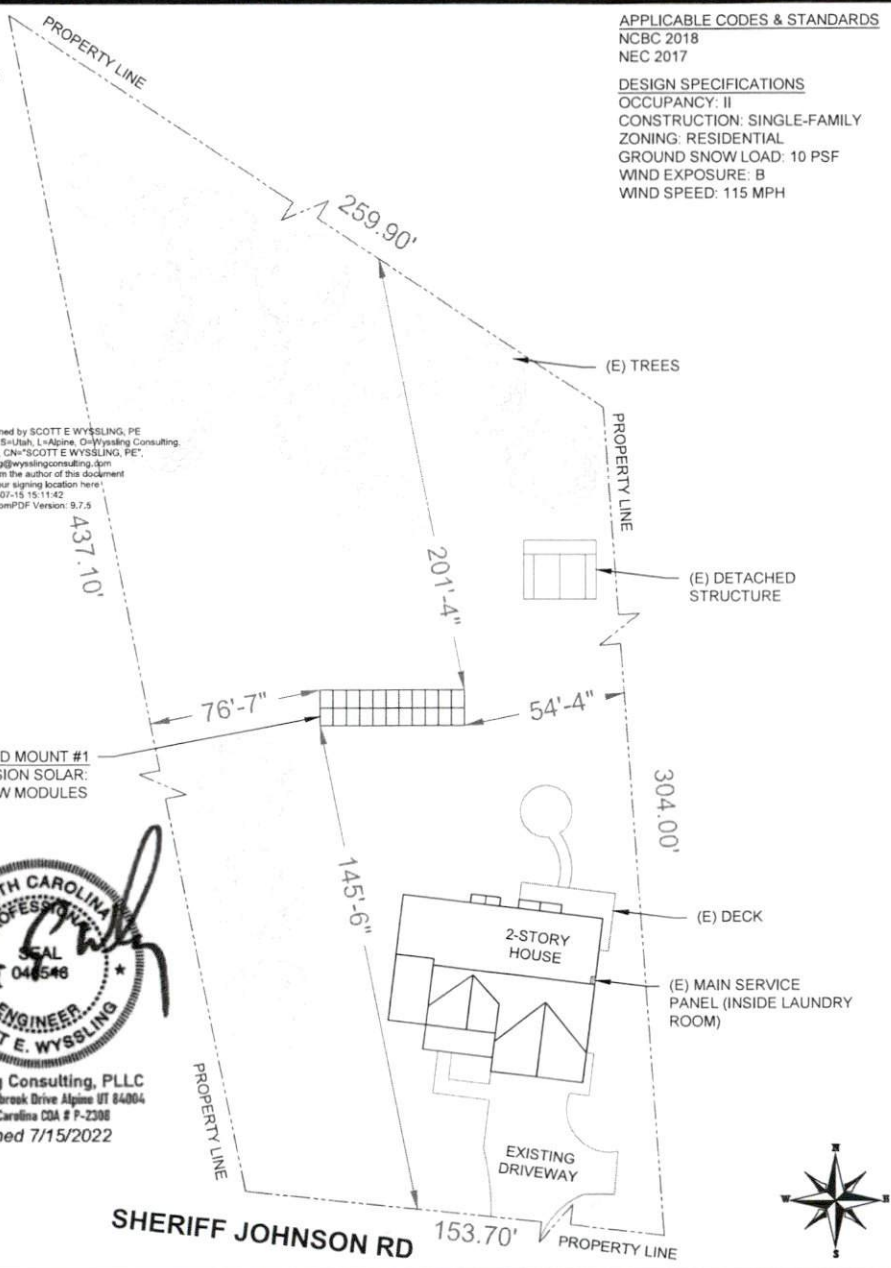
Digitally signed by SCOTT E WYSSLING, PE
 DN: cn=SCOTT E WYSSLING, PE,
 email=swyssl@wysslingconsulting.com
 Reason: I am the author of this document
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Wyssling Consulting, PLLC
 76 N Meadowbrook Drive Alpine UT 84004
 North Carolina CDA # P-2308
 Signed 7/15/2022

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1 PLOT PLAN
 PV-1 SCALE: 1/32" = 1'-0"



2 HOUSE PHOTO
 PV-1 SCALE: NTS



3 VICINITY MAP
 PV-1 SCALE: NTS

SHEET INDEX

PV-1	PLOT PLAN, HOUSE PHOTO & VICINITY MAP
PV-2	ARRAY PLAN
PV-2A	STRING LAYOUT
PV-3	ATTACHMENT DETAIL
PV-3A	RACKING DETAIL
PV-4	ELECTRICAL LINE DIAGRAM
PV-5	WIRING CALCULATIONS
PV-6	LABELS
PV-7	PLACARD
PV-8	POWER OPTIMIZER CHART
PV-9+	EQUIPMENT SPECIFICATIONS



REVISIONS

DESCRIPTION	DATE	REV
INITIAL	07/01/2022	
MSP LOCATION CHANGE	07/14/2022	

SIGNATURE WITH SEAL

DATE: 07/14/2022

PROJECT NAME & ADDRESS

DEVON DODD RESIDENCE
 2200 SHERIFF JOHNSON RD
 LILLINGTON, NC 27546

DC SIZE: 7.590 KW
 AC SIZE: 7.600 KW

SHEET NAME
PLOT PLAN & VICINITY MAP

SHEET SIZE
**ANSI B
 11" X 17"**

SHEET NUMBER
PV-1