



Alternative Power Generation Inc.

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PROJECT NAME AND ADDRESS:
WILLARD
391 SHAKER ROAD
ENFIELD, CT 06082

PROJECT NO.
12251

1800 ROUTE 34, SUITE 209
WALL, NJ 07719
(732) 288-5433
FOR ALL QUESTIONS, PLEASE CONTACT
ALISON D. KEMBALL - PROJECT MANAGER

REV	DESCRIPTION	DATE
A	50% DESIGN	10-20-21

DESIGNED BY:
DRAWN BY:
REVIEWED BY:

SCALE: AS SHOWN

DRAWING TITLE:
ELECTRICAL SITE PLAN

DRAWING NUMBER:
E101

- NOTES:**
- 111 MPH WIND ZONE (ASCE 7-10) CATEGORY I, EXPOSURE C
 - SNOWLOAD 35 PSF, ELEVATION 267'
 - ARRAY SHOWN ON: AERIAL IMAGE
 - FOUNDATIONS ARE DRIVEN POST WITH 8" EMBEDMENT
 - ALL TREES WITHIN ARRAY BOUNDARY NEED TO BE REMOVED PRIOR TO INSTALLATION
 - MAXIMUM PANEL HEIGHT FROM GRADE: 2FT

1 ARRAY LAYOUT
SCALE: 1/64" = 1'-0"

- LEGEND:**
- PROPOSED EQUIPMENT PAD
 - PROPOSED POINT OF INTERCONNECTION
 - AC CONDUITS (STEP-UP XFMR - STEP-DOWN XFMR)
 - DC CONDUITS (COMBINER-INV)

PROJECT SUMMARY

PROJECT SUMMARY	GFT
TOTAL # OF MODULE	1650
STRING LENGTH	30
MODULE TYPE	TSM-DEG15VC.20 (II) 470
# OF SMA PEAK-3 INVERTER	5
DC SYSTEM SIZE (kW)	775.50
AC SYSTEM SIZE (kW)	625.00

TIER 1

# MODULE	#STRING	KW (DC)	18 INPUT CB (W/ 11 STR)	SHP_125_US_20	KW (AC)	TILT (°)	GCR	CSI AZIMUTH (°)	SPWR AZIMUTH (°)	DC RUN (COMBINER -INVERTER)
1650	55	775.50	5	5	625	25	0.50	180	0	140, 75, 25, 90, 185