



Jake Greene <sevenbears@cnsp.net>

Solar Approval

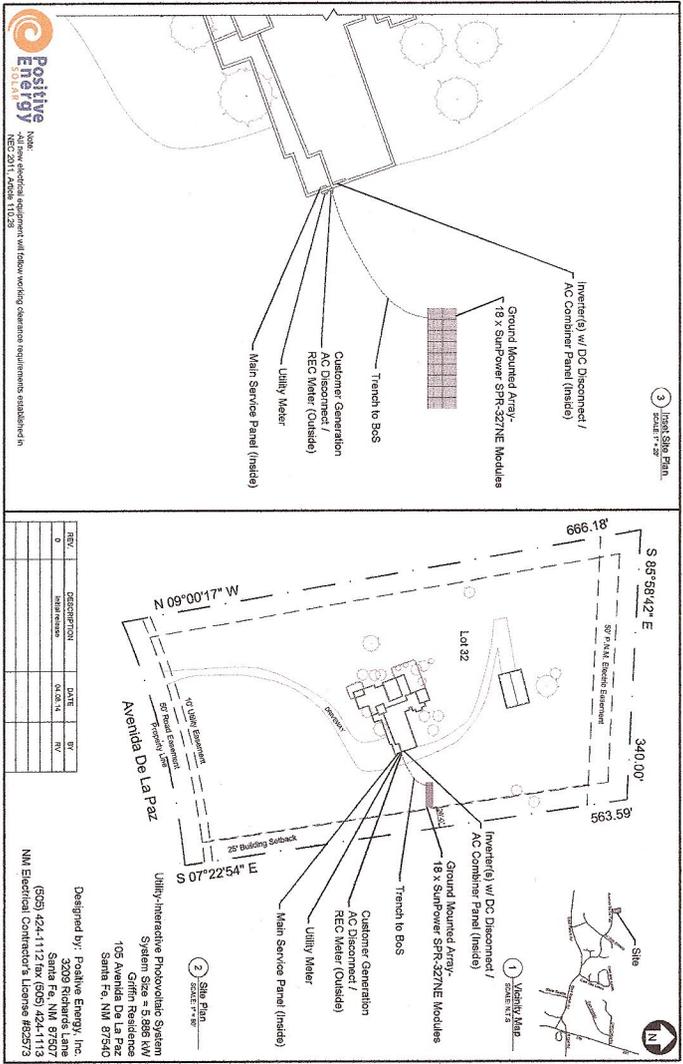
1 message

franie47jerry@gmail.com <franie47jerry@gmail.com>
To: Jake Greene <sevenbears@cnsp.net>

Wed, Jul 22, 2015 at 9:32 AM

Jake I met with Mark, Katherine and Steve in April of 2014 and they all advised me that I had approval for my solar panels. I never received a written confirmation of this. Thanks
Jerry

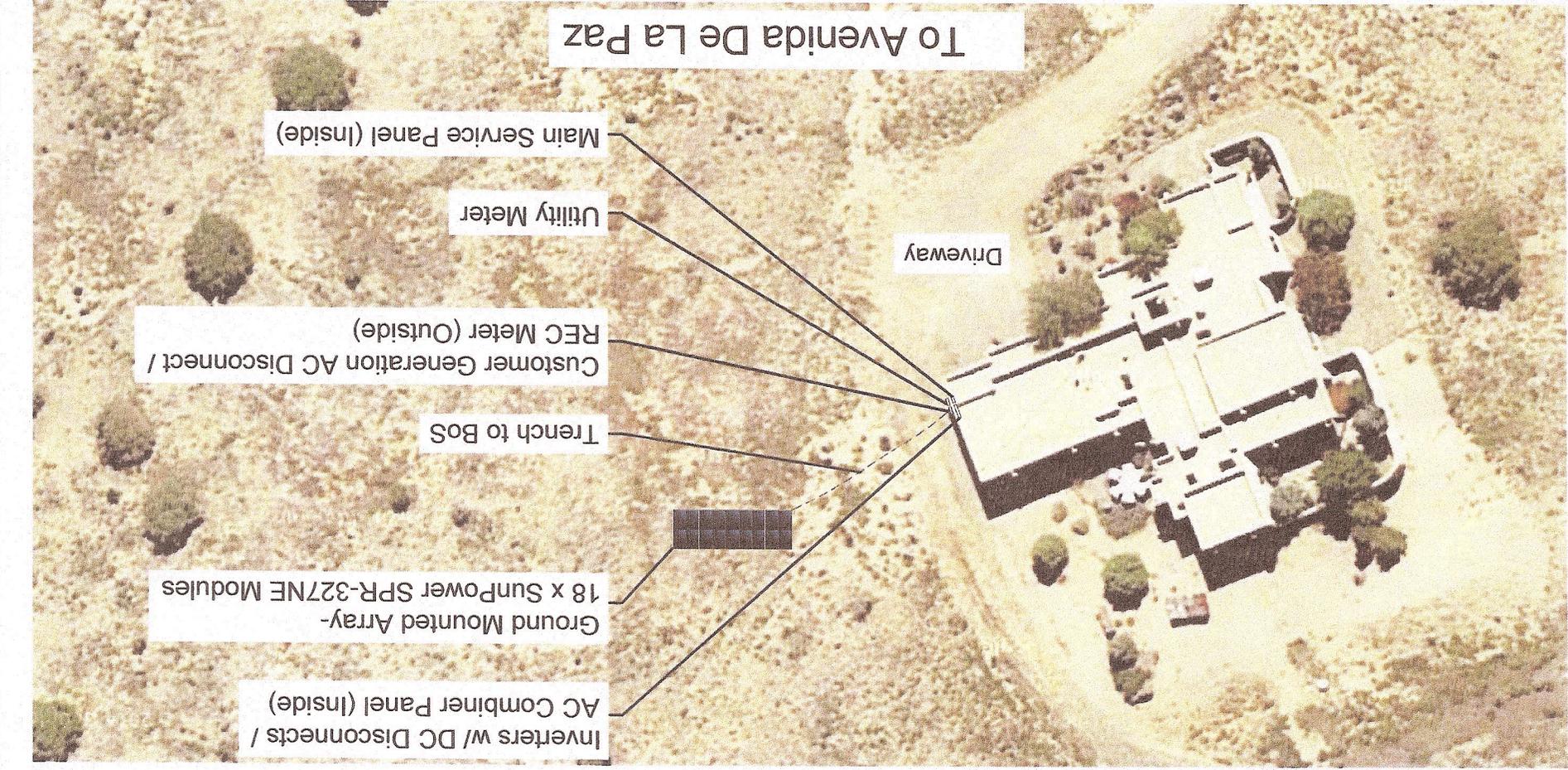
4-11-14 IMAGE



Positive Energy
 Note: All energy electrical equipment will follow working clearance requirements established in NEC 2011, Article 110.2.

REV.	DESCRIPTION	DATE	BY
0	ISSUED FOR PERMITS	04.03.14	RY

Designed by: **Positive Energy, Inc.**
 3209 Richards Lane
 Santa Fe, NM 87507
 (505) 424-1100 / (505) 424-1173
 105 Avenida de la Paz
 Santa Fe, NM 87506
 NMI Electrical Contractors License #82573



Site Map
 Utility-Interactive Photovoltaic System
 System Size = 5.886 kW
 Griffin Residence
 105 Avenida De La Paz
 Santa Fe, NM 87540

Designed by: Positive Energy, Inc.

3209 Richards Lane
 Santa Fe, NM 87507
 (505) 424-1112 fax (505) 424-1113
 NM Electrical Contractor's License #82573

PV-2



REV.	DESCRIPTION	DATE	BY
0	Initial release	04.07.14	RV



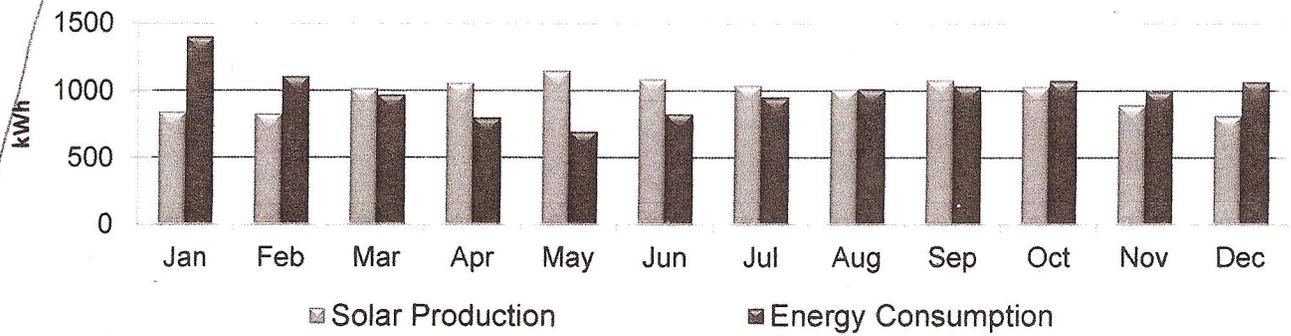
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Positive Energy Solar

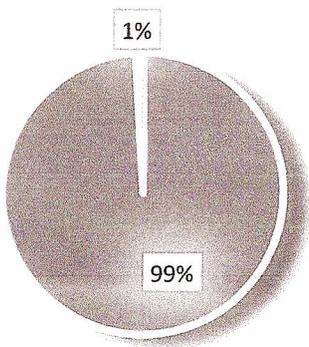
YOUR SOLAR SYSTEM DETAILS

Panel Type	Sunpower SPR-327NE-WHT 327 watts	* 25 yr product warranty * 25 yr performance warranty
System Size	5.886 kW	* Supplies 99% of your electric needs (est.) * Engineered for maximum performance
Number of Panels	18	* 316 Square feet of array * 25% Less area than low efficiency modules
Efficiency	20.0%	* Most efficient modules on the planet * Most possible power per square foot
Inverter Size and Name	(1) Sunpower SPR-6001p-TL-1 6000 W Inverter	* Transformerless Inverter, 96.5% efficient * 10 yr product warranty by Power-One
Power Output	11876 kWh-y 990 kWh-m	* Engineered by certified professionals * Guaranteed optimum performance
Mounting Type	Ground Mount	* Low Height * Structurally Engineered
Design Considerations	Shading = 0%	* Shade impacts output
Service Warranty	10 years	* Hassle free * Backed by Positive Energy

Monthly electricity use and amount supplied by solar



Energy Sources

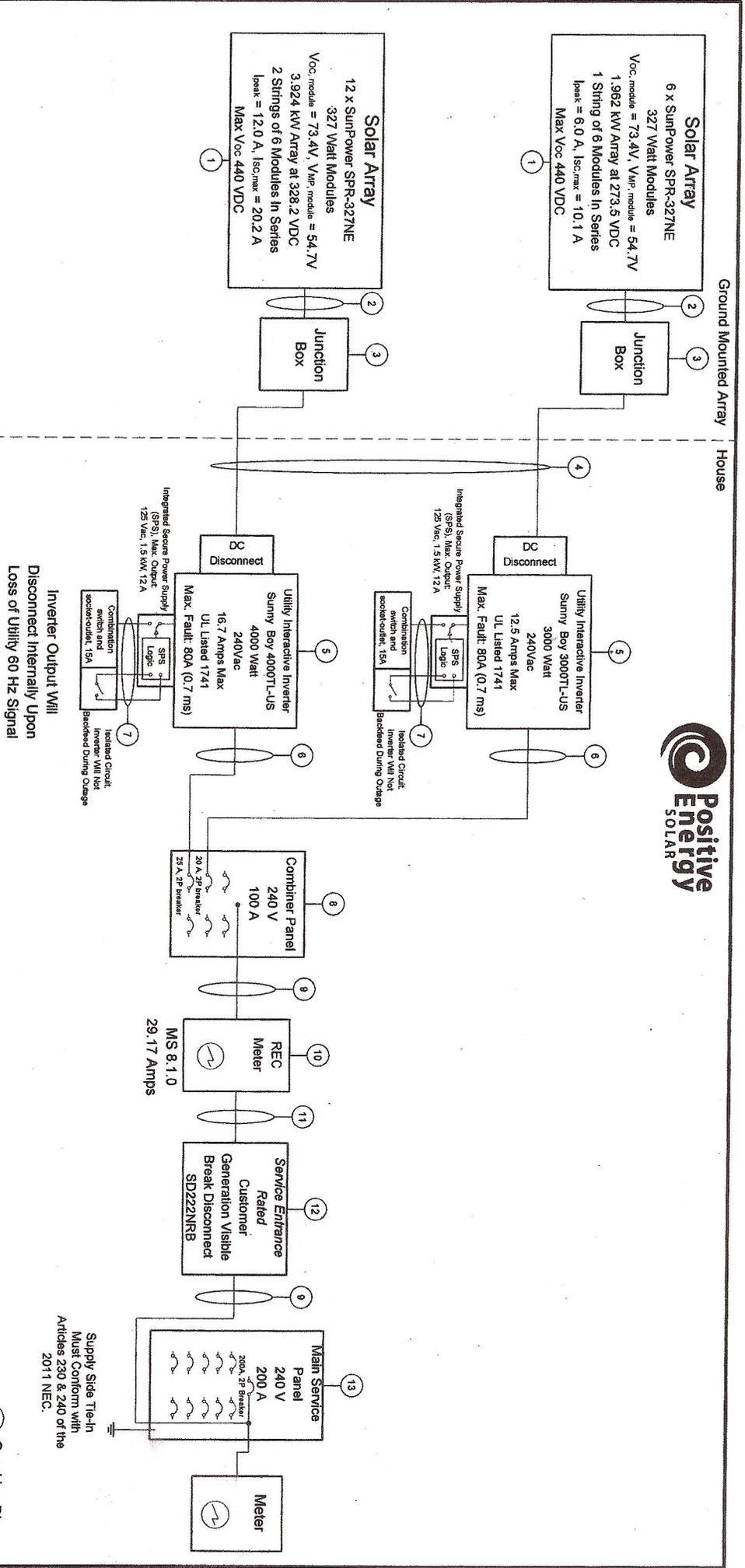


- Solar Energy
- Utility Supplied Energy

IF THE COMPARABLE SMA INVERTER WITH BACK UP POWER SUPPLY BECOMES AVAILABLE TO BE INSTALLED IN TIME FOR THIS INSTALLATION, WE WILL SWITCH THEM OUT AT NO COST

[Signature]

[Signature] 3-20-14 *[Signature]*



Electrical System Notes

- All electrical components are UL listed where warranted.
- PV system shall be installed in accordance with Article 690 of the 2011 National Electric Code.
- Electrical lugs used with multiple conductors shall be rated for both multiple conductors and circular mil.
- Bond bushings shall be used on concentric and eccentric metal knockouts.
- EMT conduit shall include expansion joints where required.
- Grounding Notes
 - A grounding electrode system in accordance with NEC 680.47 and 250.50 through 250.53 and 250.166 shall be provided.
 - All grounds shall be connected to the main service ground in the existing Main Service.

Keyed Notes

- Ground Mounted Array (T_{amb} = -29 F, T_{avg} = 87 F)
- 2 x #12 AWG USE-2 per string, 1 x #12 AWG GND per rack, 90 C wet rated
- Junction Box, ABR44 6x4x4 type 3R or equivalent
- 1 1/2" PVC (SAO), 6 x #12 AWG THWN-2, 1 x #12 AWG GND, 90 C wet rated conductors, strings running separately to the inverter, -70' run
- 240 V split phase, SMA 3000TL-US, 3000 watt inverter, SMA 4000TL-US, 4000 watt inverter
- 1/2" EMT, 3 x #10 AWG THWN-2 conductors, 1 x #10 AWG GND, 90 C wet rated, -15 run
- 1/2" EMT, 3 x #10 AWG THWN-2 conductors, 1 x #10 AWG GND, 90 C wet rated, -15 run
- Square D HOMR12, 100A rated panel.
- 3/4" EMT, 3 x #8 AWG THWN-2 conductors, 1 x #10 AWG GND, 90 C wet rated, -15 run
- 3/4" EMT, 3 x #8 AWG THWN-2 conductors, 1 x #10 AWG GND, 90 C wet rated, -15 run
- NEWA 3R, 200 A enclosure
- 1.25" offset nipple, 4 x #8 AWG THWN-2 conductors, 1 x #8 AWG GND, 90 C wet rated run to / from AC Disconnect
- Square D 60 Amp Disconnect, used at 40
- Main Service Panel, 200A

Inverter Output Will Disconnect Internally Upon Loss of Utility 60 Hz Signal

**Module Azimuth- 180
Tilt Angle- 30**

**Array STC Watts: 5,904 kW DC
Inverter AC Capacity: 7.0 kW AC
18 x SunPower SPR-327NE Modules Total
Inverter 1 Max. Fault Current: 80A (0.7 ms)
Inverter 2 Max. Fault Current: 80A (0.7 ms)**

REV.	DESCRIPTION	DATE	BY
0	Initial release	03.25.14	RV

Utility-Interactive Photovoltaic System
System Size = 5,886 kW
Griffin Residence
105 Avenida De La Paz
Santa Fe, NM 87540

Designed by: Positive Energy, Inc.
3209 Richards Lane
Santa Fe, NM 87507
(505) 424-1112 fax (505) 424-1113
NM Electrical Contractor's License #82573
PV-10

One-Line Diagram
SCALE: N.T.S.

Supply Side Tie-In Must Conform with Articles 230 & 240 of the 2011 NEC.