

# *32512 Sprucewood Way Lake Elsinore CA 92532*

## *Solar Electric System Site Review*

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*Canopy integrated free standing Solar Electric System*

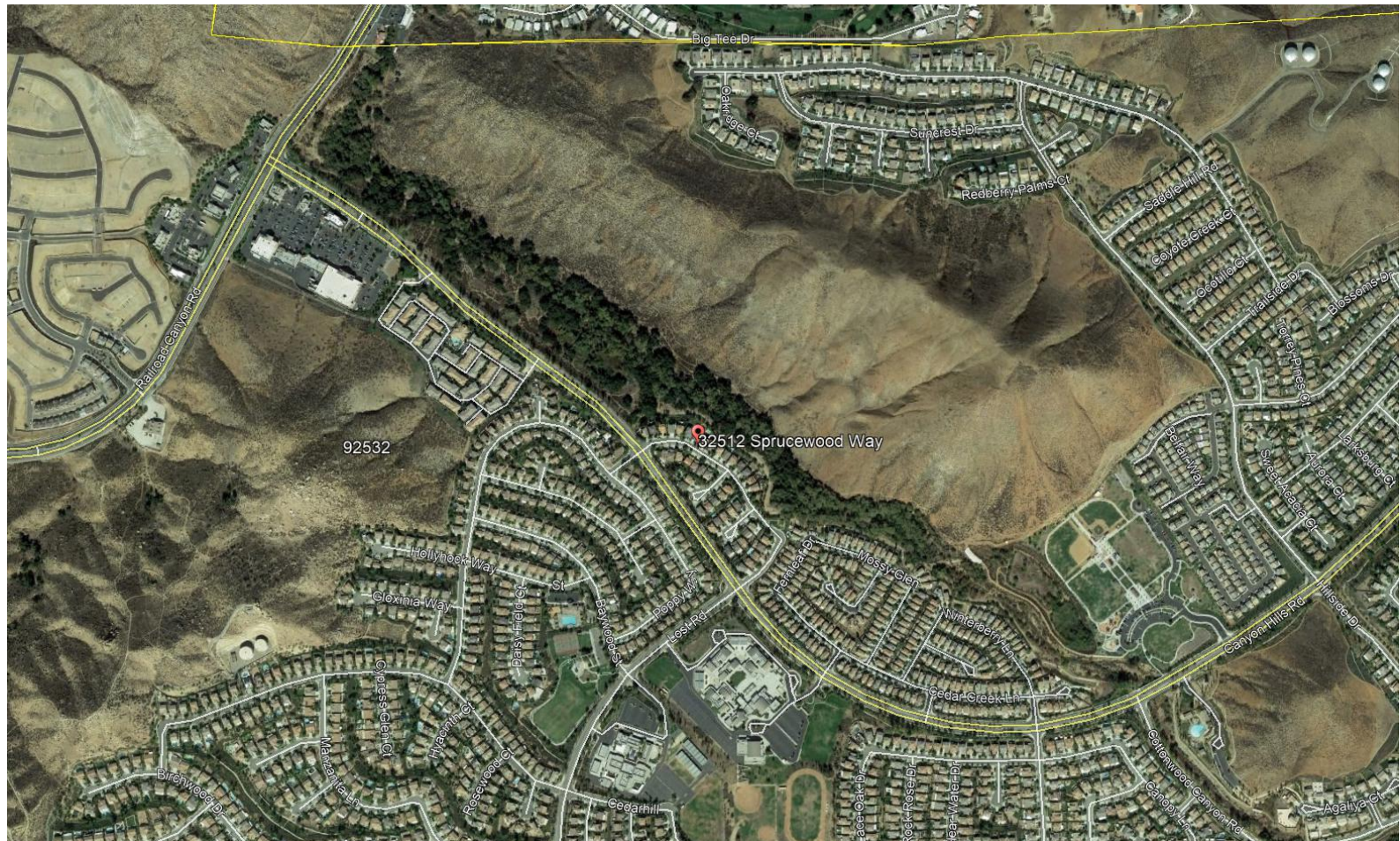


# Solar Canopy Highlights

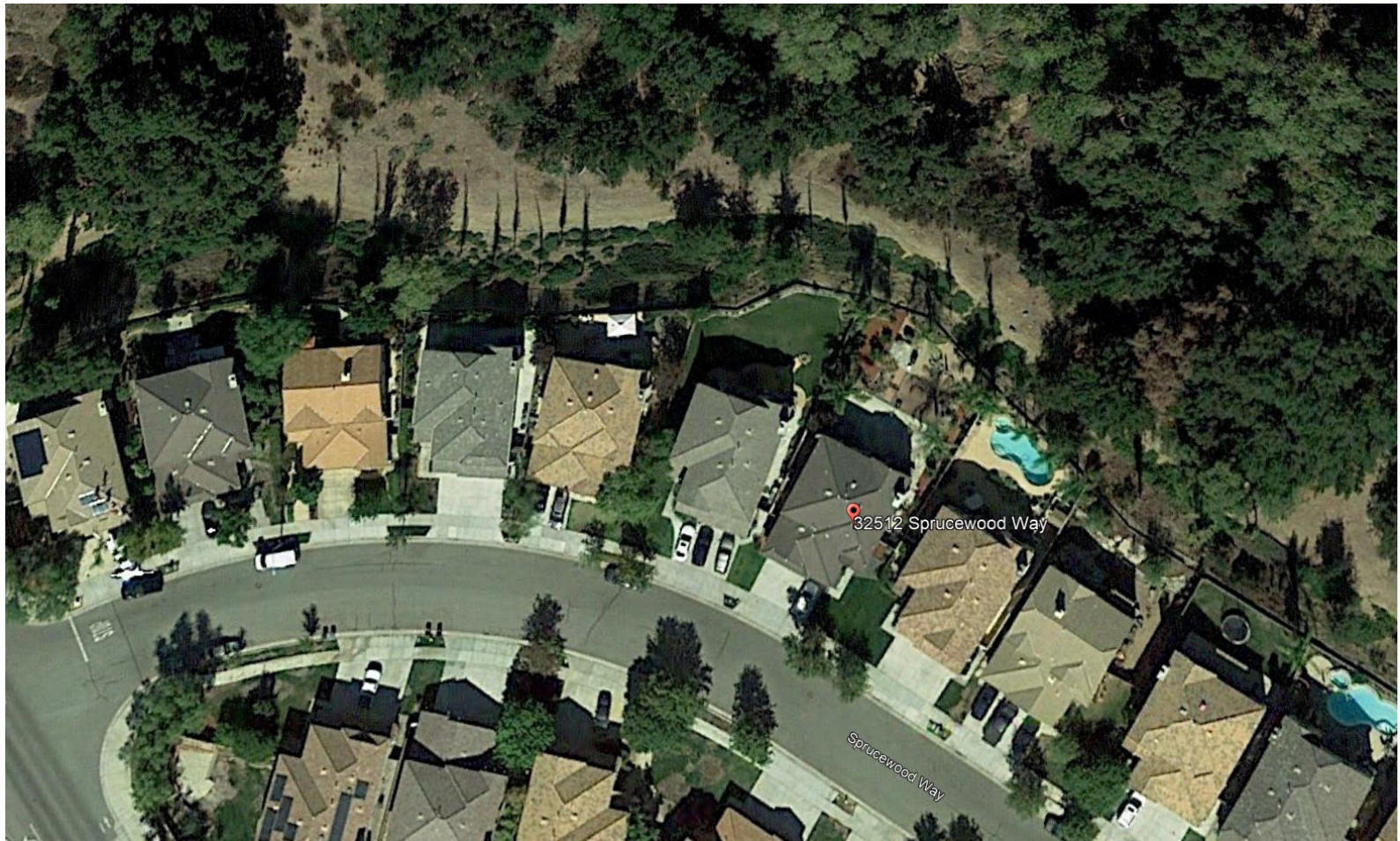
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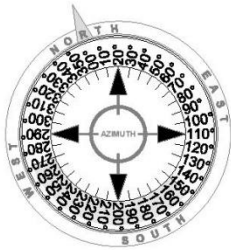
- ✓ **5.58kW Solar Canopy**
- ✓ **Steel Vertical supports**
- ✓ **High grade powder coated Alumawood wrapped Steel racking system**
- ✓ **Faux architectural columns (cover steel vertical support posts)**
- ✓ **See through roof structure**
- ✓ **12% Light transmission through solar modules**
- ✓ **Production for both sides of solar modules**
- ✓ **Dual Benefits of Enlarged Living Space and Solar Power**
- ✓ **Eliminates Tetris style roof layout and messy installation**
- ✓ **Engineered for high wind ratings certified in all 50 states**
- ✓ **NO WOOD IN ANY PART OF STRUCTURE**

# Area View



# Birdseye View



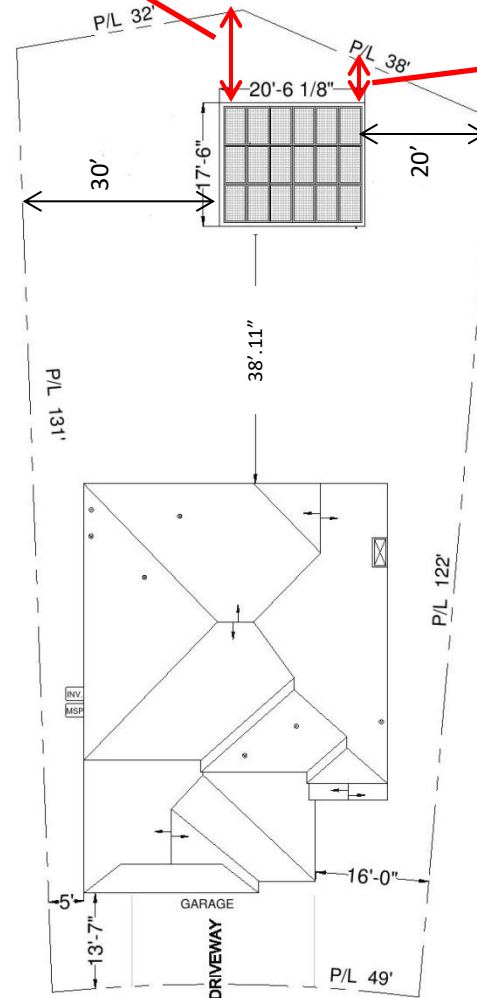


#### POINT LOAD CALCULATION PER ARRAY

ITEM	#OR LIN FT	WEIGHT PER (lbs)	TOTAL WEIGHT (lbs)
MODULES	18	39.5 lbs	711 lbs
RAILS	0'	0.5 lbs	0 lbs
RACKING PARTS	1	0.5 lbs	1 lbs
TILT LEGS	0	3.5 lbs	0 lbs
MICRO INVERTERS / POWEROPTIMIZER	18	4.4 lbs	79 lbs
TOTAL WEIGHT			791 lbs
MODULE DIMENSIONS(LxW) 65.47" x 38.97" =			17.7sq.ft
WEIGHT PER MOUNT	791 / 1 =	790.7 lbs/Mount	
WEIGHT PER SQ FT	791 / 319 sq.ft.=	2.5 lbs/sq.ft.	

NOTES:  
 -WORKING CLEARANCE FOR MAIN SERVICE PANEL AND AC DISCONNECT EXCEEDS 3'  
 -CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS WHEN PREPARING ROOF FOR ANCHOR POINT LOCATIONS. BUILDING STRUCTURE INTEGRITY IS THE RESPONSIBILITY OF THE INSTALLER.  
 -ADJUSTMENTS MAY BE REQUIRED DUE TO EXISTING ROOF LAYOUT.  
 -2016 CALIFORNIA ELECTRICAL CODE (2016 CEC) - ARTICLE 690, ALL MANUFACTURERS' LISTING AND INSTALLATION INSTRUCTIONS.  
 -ROOF ACCESS POINTS SHALL BE LOCATED IN AREAS THAT DO NOT REQUIRE THE PLACEMENT OF GROUND LADDERS OVER OPENINGS SUCH AS WINDOWS OR DOORS, AND LOCATED AT STRONG POINTS OF BUILDING CONSTRUCTION IN LOCATIONS WHERE THE ACCESS POINT DOES NOT CONFLICT WITH OVERHEAD OBSTRUCTIONS SUCH AS TREE LIMBS, WIRES OR SIGNS. (SECTION R331.4.1 OF THE 2016 CRC).  
 -PV EQUIPMENT, SYSTEMS AND ALL ASSOCIATED WIRING AND INTERCONNECTION SHALL ONLY BE INSTALLED BY QUALIFIED PERSONS. (NEC 690.4 E)  
 -PHOTOVOLTAIC SYSTEM CONDUCTORS SHALL BE IDENTIFIED AND GROUPED. THE MEANS OF IDENTIFICATION SHALL BE PERMITTED BY SEPARATE COLOR CODING, MARKING TAPE, TAGGING OR OTHER APPROVED MEANS. (NEC 690.4 B)

14' from  
Outer Edge of  
array to  
property line



72" from  
outer edge of  
array to  
property line

32512 SPRUCEWOOD WAY



SCALE 1/16"=1'-0"		PAGE 2	
PLOT PLAN			
<b>18 MODULES</b> SUNPREME - MAXIMA GXB 310W <b>1 INVERTER</b> - SOLAR EDGE SE 6000 A - US <b>18 OPTIMIZERS</b> - SOLAREDGE P320			
SYSTEM SIZE:		5.580 KW DC (STC) 5.265 KW DC (PTC) 5.133 KW AC (CEC)	
PROJECT: 661-421-4828 <b>ZOLO AND MELANIE IGNACIO</b> 32512 SPRUCEWOOD WAY LAKE ELSINORE, CA 92532 OCCUPANCY TYPE: V-B GROUP: R APN#: 363581007			
KONSTRUCT BUILDERS INC. 3964 BIXBY DRIVE LA VERNE, CA 91750 PHONE: 800-613-5995		CONTRACTOR: KONSTRUCT BUILDERS INC. STATE LICENSE # 1015160 EXPIRATION DATE 07/31/2017	
<b>KONSTRUCT BUILDERS INC</b>			

DISCLAIMER: If any Errors, Discrepancies or Omissions appear in these drawings, specifications or other contract documents; The Owner or General Contractor shall notify the Designer, in writing, of such error or omission. In the event that the Owner or General Contractor fails to give such notice, before construction and/or fabrication of the work, the Owner or General Contractor will be held responsible to the result of any errors, discrepancies or omissions and the cost of rectifying them.

# 18 Module (5.58kW) Solar Electric Canopy

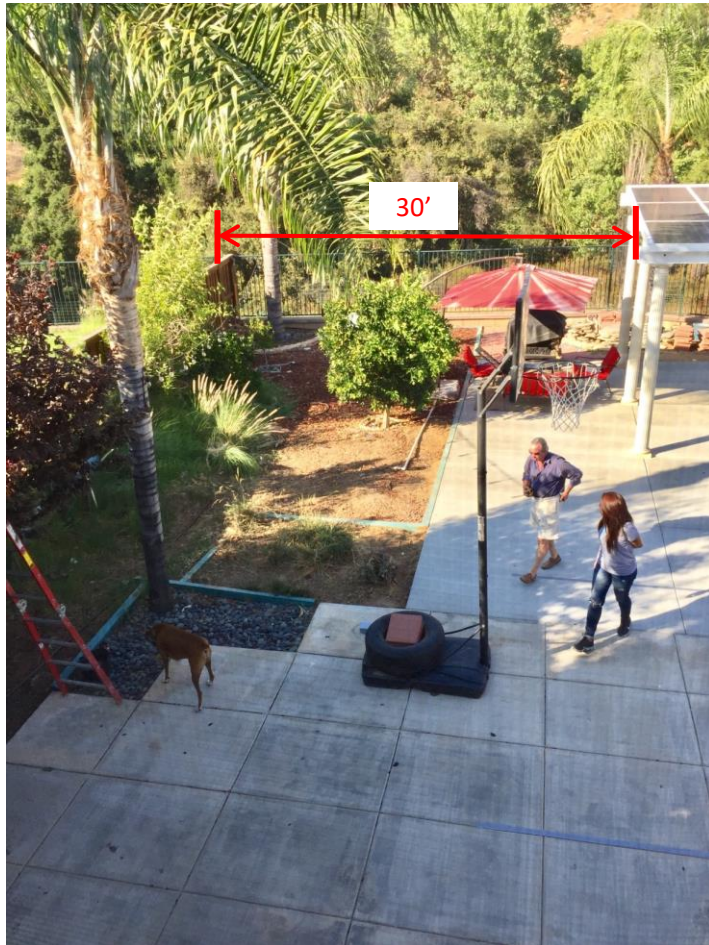


# Rear Yard location



# Canopy location in back yard

Left Side View of Array



Right Side View of Array

