



Building Permit Application

Howard County Maryland
Department of Inspections, Licenses and Permits
3430 Court House Drive
Permits: 410-313-2455
www.howardcountymd.gov

Date Received: 1/27/15

Permit No.: B15000345

Health

Building Address: 1105 MARRIOTTSVILLE RD
 City: MARRIOTTSVILLE State: MD Zip Code: 21104
 Suite/Apt. # _____ SDP/WP/BA #: _____
 Census Tract: _____ Subdivision: _____
 Section: _____ Area: _____ Lot: _____
 Tax Map: 0010 Parcel: 0005 Grid: 0009
 Zoning: _____ Map Coordinates: _____ Lot Size: 4.0791 AC

Existing Use: SFD
 Proposed Use: SFD WITH SOLAR
 Estimated Construction Cost: \$ 51,000.00
 Description of Work: INSTALL 60 GROUND MOUNTED PV SOLAR PANELS. 16.2 KW

Occupant or Tenant: _____
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Commercial Building Characteristics	Residential Building Characteristics
Height:	<input checked="" type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse
No. of stories:	Depth Width
Gross area, sq. ft./floor:	1 st floor:
	2 nd floor:
Area of construction (sq. ft.):	Basement:
	<input type="checkbox"/> Finished Basement
Use group:	<input type="checkbox"/> Unfinished Basement
	<input type="checkbox"/> Crawl Space
Construction type:	<input type="checkbox"/> Slab on Grade
<input type="checkbox"/> Reinforced Concrete	No. of Bedrooms:
<input type="checkbox"/> Structural Steel	Multi-family Dwelling
<input type="checkbox"/> Masonry	No. of efficiency units:
<input type="checkbox"/> Wood Frame	No. of 1 BR units:
<input type="checkbox"/> State Certified Modular	No. of 2 BR units:
	No. of 3 BR units:
	Other Structure:
	Dimensions:
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:
Roadside Tree Project Permit #	<input type="checkbox"/> State Certified Modular
	<input type="checkbox"/> Manufactured Home

Property Owner's Name: STEVEN LOVEDAY
 Address: 1105 MARRIOTTSVILLE RD
 City: MARRIOTTSVILLE State: MD Zip Code: 21104
 Phone: 410-440-7445 Fax: _____
 Email: _____

Applicant's Name & Mailing Address. (If other than stated herein)
 Applicant's Name: SOLAR ENERGY WORLD/JEFF PROVINI
 Address: 5681 MAIN ST
 City: ELKRIDGE State: MD Zip Code: 21075
 Phone: 443-616-1386 Fax: _____
 Email: JPROVINI@SOLARENERGYWORLD.COM

Contractor Company: SOLAR ENERGY WORLD
 Contact Person: GEOFF MURKIN
 Address: 5681 MAIN ST
 City: ELKRIDGE State: MD Zip Code: 21075
 License No.: 127353
 Phone: 410-579-2009 Fax: _____
 Email: _____

Engineer/Architect Company: _____
 Responsible Design Prof.: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Utilities	
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Heating System	
<input checked="" type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
Sprinkler System:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Grading Permit Number:	
Building Shell Permit Number:	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: Jeffrey Provini
 Email Address: JPROVINI@SOLARENERGYWORLD.COM
 Title/Company: SOLAR ENERGY WORLD

Print Name: JEFFREY PROVINI
 Date: 1-26-15

RECEIVED
 JAN 27 2015
 LICENSES & PERMITS DIVISION

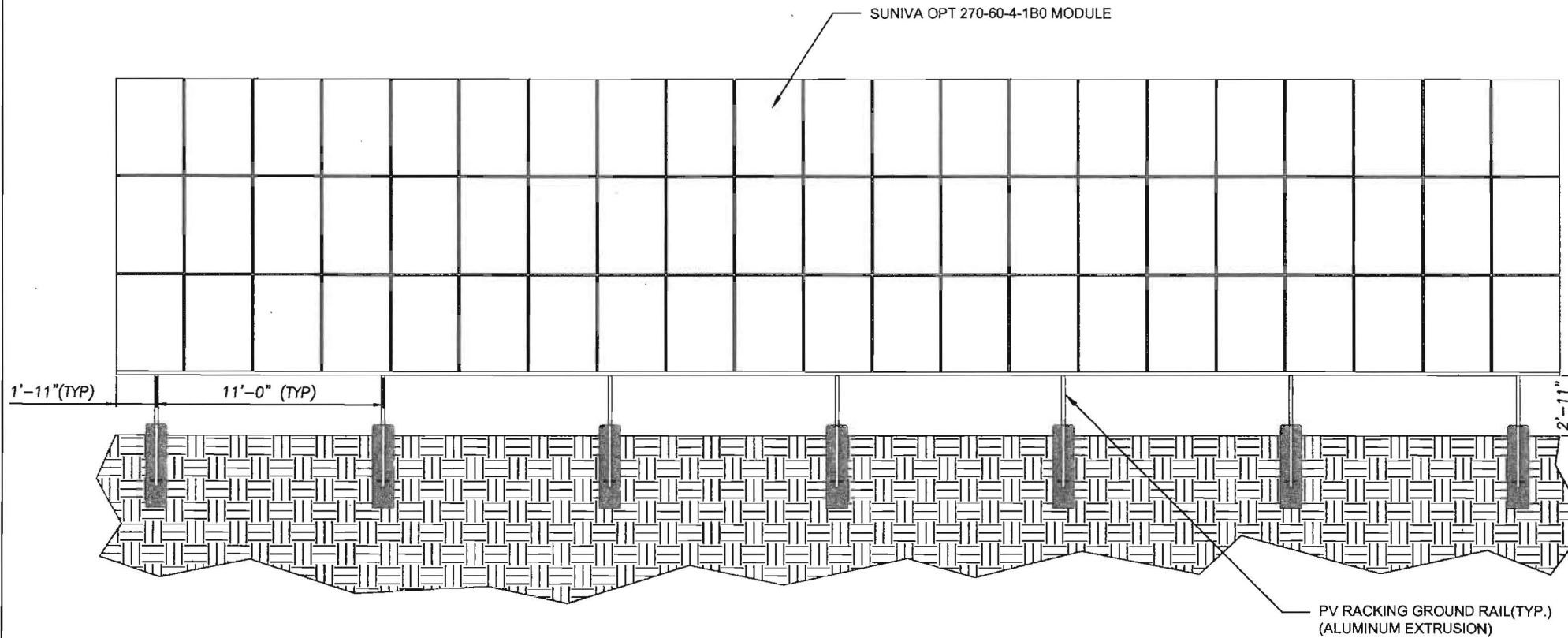
Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	<u>2/6/15</u>	<u>Bernard</u>

Is Sediment Control approval required for issuance? Yes No
 CONTINGENCY CONSTRUCTION START

DPZ SETBACK INFORMATION
Front:
Rear:
Side:
Side St.:
All minimum setbacks met? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required? <input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District? <input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:
SDP/Red-line approval date:

Filing Fee	\$
Permit Fee	\$ <u>60.00</u>
Tech Fee	\$ <u>5.00</u>
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$ <u>55.00</u>
Sub-Total Paid	\$
Balance Due	\$
Check	# <u>13052</u>



ARRAY ELEVATION

NOTES:

1. THIS DRAWING IS TO PROVIDE REFERENCE FOR THE INSTALLATION OF GROUND MOUNT PHOTOVOLTAIC ARRAYS.
2. THE SYSTEM SHALL INCLUDE 60 SUNIVA OPT 270-60-4-1B0 MODULES (DIMENSIONS: 64.05 (L) x 38.66 (W) x 1.57 (D)) AND WEIGHING 39.5 LBS (PANEL DEAD LOAD = 2.24 PSF).
3. PV RACKING FOR GROUND MOUNT WILL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS
4. PROPOSED ARRAYS SHALL COVER 991 SQ. FEET OF PROPERTY.

General Notes



SolarEnergyWorld
 Tomorrow's Energy Today
 Solar Energy World LLC.
 5681 Main Street
 Elkridge, MD 21075
 (888) 497-3233

Project Name and Address

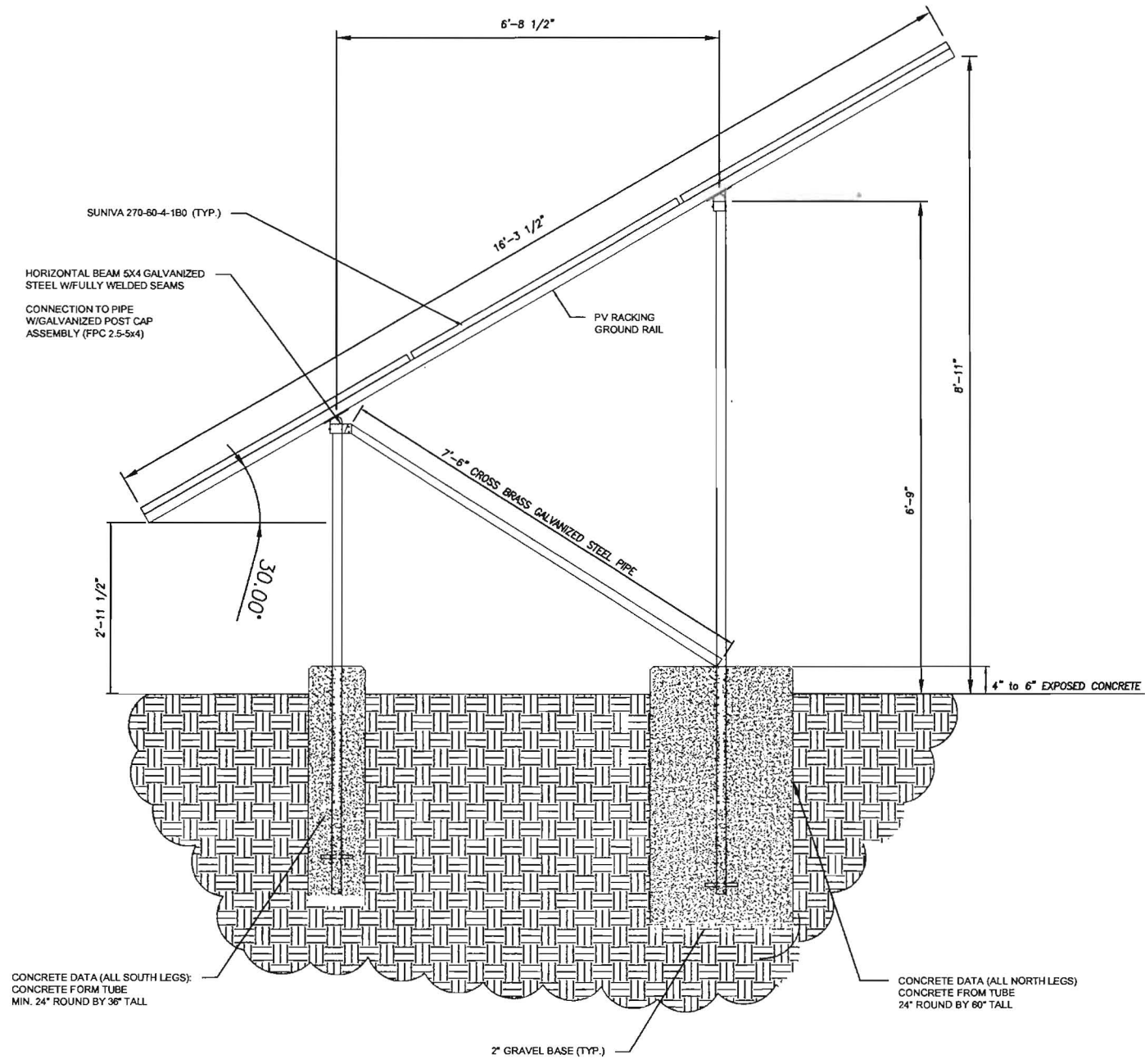
Loveday, Steve Residence
 1105 Marriottsville Rd.
 Marriottsville, MD 21104
 16.2 kW

Drawn by
 MUA
 Date
 22-JAN-2015
 Scale
 3/16"=1'-0"

Sheet
 02

NOTES:

1. ALL WORK SHALL COMPLY WITH THE INTERNATIONAL BUILDING CODE (IBC 2012).
2. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE ELECTRICAL DRAWINGS.
3. ALL CONCRETE WORK SHALL CONFORM TO THE ACI BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
4. ALL CONCRETE SHALL BE NORMAL WEIGHT (STONE) CONCRETE HAVING A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, UNLESS OTHERWISE NOTED ON THE STRUCTURAL DRAWINGS.
5. BAR REINFORCING SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM A 82 AND A 185.
6. ALL CONCRETE EXPOSED TO THE WEATHER SHALL BE AIR-ENTRAINED.
7. ALL STONE CONCRETE FOR SLABS AT GRADE SHALL CONTAIN A HIGH RANGE WATER REDUCING ADMIXTURE (SUPER PLASTICIZER).
8. DEVELOPMENT LENGTHS OF REINFORCING (L_d, L_{dh}, OR L_{dc}) SHALL BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.
9. ALL BENDS AND HOOKS SHALL BE AS DETAILED IN ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".
10. ALL REINFORCING SHALL BE HELD RIGIDLY AND ACCURATELY IN PLACE AND PROTECTED AGAINST DISPLACEMENT BEFORE AND DURING CASTING, IF NECESSARY. ADDITIONAL BARS AND/OR STIRRUPS SHALL BE PROVIDED TO FURNISH SUPPORT FOR ALL REINFORCING.
11. PROVIDE CLEARANCES FROM FACES OF CONCRETE TO REINFORCEMENT IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 7. IN THE FIRST PARAGRAPH OF 7.7.1, THE WORD "MINIMUM" SHALL BE REPLACED WITH THE WORD "CLEAR".
12. PROVIDE SHRINKAGE AND TEMPERATURE REINFORCEMENT FOR ALL STRUCTURAL SLABS WHERE FLEXURAL REINFORCING EXTENDS IN ONE DIRECTION ONLY, IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 7.
13. LOAD CRITERIA PER IBC 2012 AND ASCE 7-10:
RISK CATEGORY II
EXPOSURE CATEGORY C
GROUND SNOW LOAD, P_g = 25 PSF
LATERAL LOAD:
• WIND LOADS* (BASE WIND SPEED = 115 MPH)



CONCRETE DATA (ALL SOUTH LEGS):
CONCRETE FORM TUBE
MIN. 24" ROUND BY 36" TALL

CONCRETE DATA (ALL NORTH LEGS):
CONCRETE FORM TUBE
24" ROUND BY 60" TALL

2" GRAVEL BASE (TYP.)

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 40279, EXPIRATION DATE: MAY 12, 2015.

General Notes



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S1

