



## HISTORIC PRESERVATION COMMISSION

Marc Elrich  
County Executive

Sandra I. Heiler  
Chairman

Date: September 11, 2020

### MEMORANDUM

TO: Mitra Pedoeem  
Department of Permitting Services

FROM: Dan Bruechert  
Historic Preservation Section  
Maryland-National Capital Park & Planning Commission

SUBJECT: Historic Area Work Permit # 919870 - Solar Installation

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The Montgomery County Historic Preservation Commission (HPC) has reviewed the attached application for a Historic Area Work Permit (HAWP). This application was **approved** at the September 9, 2020 HPC meeting.

The HPC staff has reviewed and stamped the attached construction drawings.

THE BUILDING PERMIT FOR THIS PROJECT SHALL BE ISSUED CONDITIONAL UPON ADHERENCE TO THE ABOVE APPROVED HAWP CONDITIONS AND MAY REQUIRE APPROVAL BY DPS OR ANOTHER LOCAL OFFICE BEFORE WORK CAN BEGIN.

Applicant: Joshua Stebbins  
Address: 20 Montgomery Ave., Takoma Park

This HAWP approval is subject to the general condition that the applicant will obtain all other applicable Montgomery County or local government agency permits. After the issuance of these permits, the applicant must contact this Historic Preservation Office if any changes to the approved plan are made. Once work is complete the applicant will contact Dan Bruechert at 301.563.3400 or [dan.bruechert@montgomeryplanning.org](mailto:dan.bruechert@montgomeryplanning.org) to schedule a follow-up site visit.



# SOLAR PV SYSTEM: 10.44 kWp

## STEBBINS RESIDENCE

20 MONTGOMERY AVENUE TAKOMA PARK,  
MD UNITED STATES 20912

APPROVED  
Montgomery County  
Historic Preservation Commission  
*Sandra L. Heiler*

**REVIEWED**  
By Dan.Bruechert at 2:17 pm, Sep 11, 2020

**PROJECT INFORMATION**

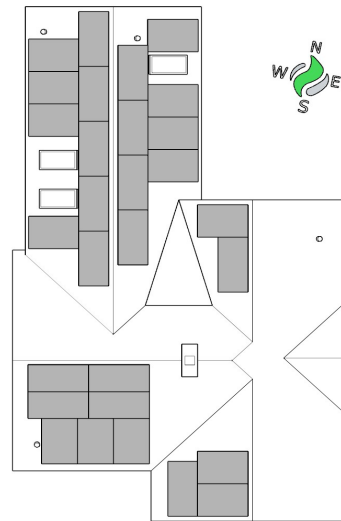
**OWNER:** JOSHUA STEBBINS  
**ADDRESS:** 20 MONTGOMERY AVENUE  
TAKOMA PARK, MD UNITED STATES 20912

**AHJ:** MONTGOMERY  
**ADDRESS:** 255 ROCKVILLE PIKE, 2ND FLOOR ROCKVILLE, MD 20850

**ZONING:** RESIDENTIAL  
**BUILDING CODE:** IBC 2015  
**ELECTRICAL CODE:** NEC 2017  
**ASCE VERSION:** ASCE 7-10

**SNOW LOAD:** 30 PSF  
**WIND SPEED:** 115 MPH  
**WIND EXPOSURE:** B

**DC RATING:** 10.44 kW  
**AC RATING:** 8.41 kW  
**RACKING:** UNIRAC SM LIGHT RAIL  
**MODULE:** (29) REC360AA  
**INVERTER:** (29) IQ7PLUS-72-2-US



**PROJECT SCOPE**

THIS PROJECT INVOLVES THE INSTALLATION OF (29) REC 360W SOLAR MODULES. THE SOLAR MODULES WILL BE RACKED USING A PRE-ENGINEERED RACKING SYSTEM. THE RACKED MODULES WILL BE ELECTRICALLY CONNECTED TO (29) ENPHASE DC TO AC POWER INVERTERS, AND INTERCONNECTED TO THE LOCAL UTILITY USING MEANS AND METHODS CONSISTENT WITH THE RULES ENFORCED BY THE LOCAL UTILITY AND PERMITTING JURISDICTION.

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E003	STRING & CONDUIT LAYOUT
E004	EQUIP. RATINGS & SIGNAGE
APPENDIX	MODULE DATASHEET
	INVERTER DATASHEET
	RACKING DATASHEET
	ANCHOR DATASHEET

**FOR PERMITTING USE ONLY**

**PROJECT ADDRESS:**

JOSHUA STEBBINS  
20 MONTGOMERY AVENUE TAKOMA PARK, MD UNITED STATES 20912

**CONTRACTOR INFO:**



3701 COMMERCE DR  
SUITE 101  
BALTIMORE, MD 21227  
(443) 955-0779

**LICENSE NUMBER:**

MHIC-30991

REV	DATE
IFC	7/13/2020

**COVER**

**Z001**

DocuSigned by:  
*Andrew Oesterreicher*  
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**STAMPED AND SIGNED FOR STRUCTURAL ONLY**

Professional Certification: 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. 49910 Expires: 9/15/20



**GENERAL NOTES**

- THIS PHOTOVOLTAIC (PV) SYSTEM SHALL COMPLY WITH THE NATIONAL ELECTRIC CODE (NEC) ARTICLE 690, ALL MANUFACTURERS'S LISTING AND INSTALLATION INSTRUCTIONS, AND THE RELEVANT CODES AS SPECIFIED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
- PV SYSTEM CIRCUITS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID SHUTDOWN FUNCTION TO REDUCE SHOCK HAZARD FOR EMERGENCY RESPONDERS IN ACCORDANCE WITH 690.12(A) THROUGH (D).

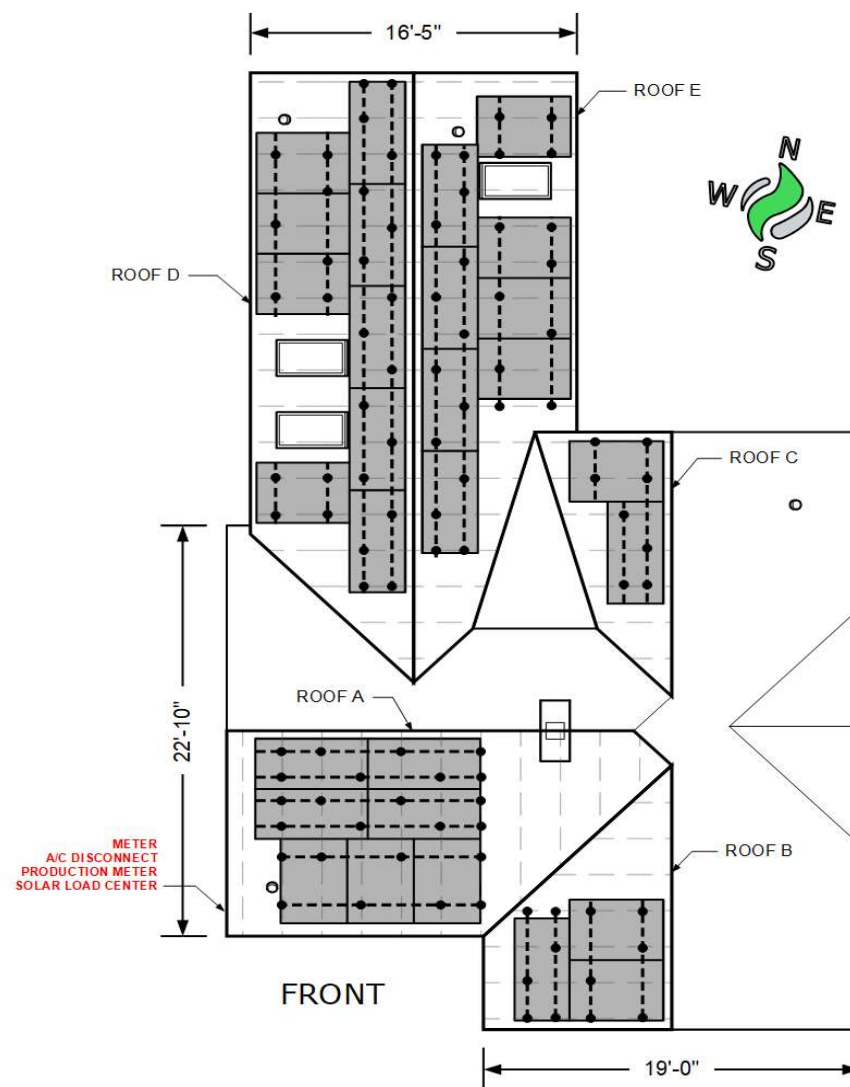
- THIS SYSTEM IS A UTILITY INTERACTIVE SYSTEM, AND THE PV MODULES ARE CONSIDERED NON-COMBUSTIBLE.
- ALL SIGNAGE TO BE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE AND AS REQUIRED BY THE NEC AND AHJ.
- PV EQUIPMENT SHALL BE GROUNDED ACCORDING TO NEC 690.43 AND MINIMUM NEC TABLE 250.122.

**FOR ENGINEERING USE ONLY**

ROOF LABEL:	A	B	C	D	E
MATERIAL:	Architectual Comp. Shingle	Architectual Comp. Shingle	Architectual Comp. Shingle	Architectual Comp. Shingle	Architectual Comp. Shingle
PITCH:	34°	34°	34°	34°	34°
AZIMUTH:	169°	259°	259°	259°	79°
PRIMARY SUPPORT:	2x6 RAFTERS	2x6 RAFTERS	2x6 RAFTERS	2x12 RAFTERS	2x12 RAFTERS
PRIMARY SUPPORT SPACING:	24"	22"	22"	24"	24"
LEAST HORIZONTAL DIMENSION:	22'	18'	18'	16'	16'
MEAN HEIGHT:	25'	25'	25'	25'	25'
RACKING:	UNIRAC SM LIGHT RAIL	UNIRAC SM LIGHT RAIL	UNIRAC SM LIGHT RAIL	UNIRAC SM LIGHT RAIL	UNIRAC SM LIGHT RAIL
STANDOFF:	UNIRAC FLASHLOC	UNIRAC FLASHLOC	UNIRAC FLASHLOC	UNIRAC FLASHLOC	UNIRAC FLASHLOC

**FOR PERMITTING USE ONLY**

- ALL SOLAR MODULES SUPPORTED BY ROOF ATTACHMENTS 48" O.C.
- SOLAR PHOTOVOLTAIC SYSTEM INSTALLED PARALLEL TO ROOF SURFACE
- SOLAR PHOTOVOLTAIC SYSTEM INSTALLED AT A MAXIMUM HEIGHT OF 6" ABOVE ROOF SURFACE



	ROOF SUPPORT
	MOUNTING RAIL
	ROOF ATTACHMENT
	PV ARRAY

APPROVED  
Montgomery County  
Historic Preservation Commission

*Sandra L. Heiler*

**REVIEWED**  
By Dan.Bruechert at 2:17 pm, Sep 11, 2020

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**ATTACHMENT & SITE PLAN**

**A001**

DocuSigned by:  
*Andrew Oesterreicher*  
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**STAMPED AND SIGNED FOR STRUCTURAL ONLY**

Professional Certification: 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. 49910 Expires: 9/15/20

**INSTALLATION NOTES**

- 1) ALL RACKING SHALL BE INSTALLED PER MANUFACTUER SPECIFICATIONS
- 2) ALL ROOFING PENETRATIONS SHALL EMBED IN STRUCTURAL MEMBERS AND PROPER FLASHING SEALANT SHALL BE USED TO PROVIDE WATERTIGHT ASSEMBLY
- 3) WHEN POSSIBLE, ALL RACKING STANDOFFS WILL BE STAGGERED AMONGST THE ROOF SUPPORT MEMBERS
- 4) REFER TO PAGE S001 FOR MAXIMUM ALLOWABLE RAIL SPAN AND MODULE OVERHANG, AND ATTACHMENT DETAILS
- 5) ALL RACKING AND STRUCTURAL WORK FOR THIS PROJECT SHALL COMPLY WITH BUILDING CODE, IBC 2015 AND ASCE 7-10

**FOR ENGINEERING USE ONLY**

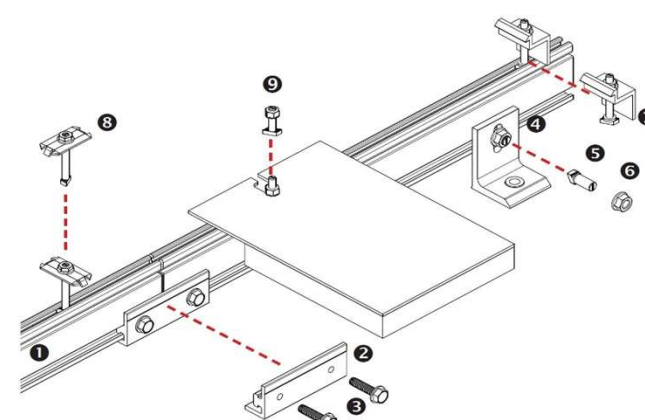


MOUNTING SYSTEM PROPERTIES	
RACKING	UNIRAC SM LIGHT RAIL
STANDOFF	UNIRAC FLASHLOC
FASTENING DETAILS	SEE NOTE 3
MAX. RAIL SPAN	48"
MIN. FASTENER DEPTH	2.25"
MAX. RAIL CANTILEVER	16"
MAX. ARRAY HEIGHT	6"

SITE CONDITIONS	
WIND SPEED	115 MPH
SNOW LOAD	30 PSF
ROOF ZONE (TYP.)	3
BUILDING CODE	IBC 2015
ELECTRICAL CODE	NEC 2017
ASCE VERSION	ASCE 7-10

DEAD LOAD CALCULATION			
LOAD	QTY. OR LIN. FT.	WEIGHT PER (LB)	TOTAL LBS.
MODULES	29	43	1247.00
M.L.E.'S	29	2.38	69.02
RACKING	276.4	0.81	223.86
STANDOFF	115	0.5	57.50
TOTAL ARRAY WEIGHT (LBS)			1597.4
TOTAL ARRAY AREA (SQ.FT.)			545.8
DISTRIBUTED LOAD (PSF)			2.93

POINT LOAD CALCULATION	
TOTAL ARRAY WEIGHT (LBS)	1597.38
TOTAL NUMBER OF STANDOFFS (TYP.)	115
POINT LOAD (LBS/STANDOFF)	13.89



- RAIL: Supports PV modules. Use row of modules. Aluminum extru: mill, clear anodized, or dark anodiz
  - RAIL SPLICE: Non structural sp aligns, and electrically bonds rail si single length of rail. Forms a rigid i inches long, preassembled with bo Available in dark anodized or mill f
  - L-FOOT: Use to secure rails thro material to building structure. Refe tables or U-Builder for spacing.
  - L-FOOT T-BOLT: (3/8" x 1/4" or 1" L-foot to secure rail to L-foot. Stain Supplied with L-foot in combinatio nut, provides electrical bond between L
  - SERRATED FLANGE NUT: Use or to secure and bond rail to Lfoot. St Supplied with L-foot.
  - MODULE ENDCLAMP: Provides i endclamp. Pre-assembled aluminur in clear or dark finish. Supplied wa and bolt upright for ease of assem
  - MODULE MIDCLAMP: Pre-as provides module to module and mc Stainless steel clamp and T-bolt. / or dark finish.
  - MICROINVERTERMOUNTINGBOI bolt and nut attaches and bonds rail. Washer at base keeps bolt up assembly.
- NOTE - POSITION INDICATOR:** T-bc the hardware end corresponding to the T-Head.

Wrenches and Torque		
Hardware	Wrench Size	Recommended Torque (ft-lbs)
1/4" Hardware	7/16"	*10
3/8" Hardware	9/16"	*30
#12 Hardware	5/16"	10

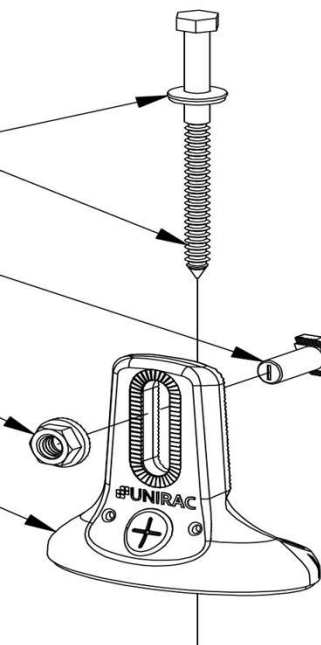
Torques are not designed for use with wood connectors  
\*w/ Anti-Seize.

**Anti-Seize\***

Stainless steel hardware can seize up, a process called galling. To significantly reduce its likelihood:

1. Apply minimal lubricant to bolts, preferably Anti-Seize commonly found at auto parts stores
2. Shade hardware prior to installation, and
3. Avoid spinning stainless nuts onto bolts at high speed.

SS LAG BOLT  
W/ SS EPDM BONDED WASHER  
SS SERRATED T-BOLT  
SS SERRATED FLANGE NUT  
FLASHLOC BASE  
MILL OR DARK



APPROVED  
Montgomery County  
Historic Preservation Commission

*Sandra J. Heiler*

**REVIEWED**  
By Dan.Bruechert at 2:17 pm, Sep 11, 2020

DocuSigned by:  
*Andrew Oesterreicher*  
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License No. 49910 Expires: 9/15/20

**RACKING AND STRUCTURAL NOTES**

- 1) ALL RACKING SHALL BE INSTALLED PER MANUFACTUER SPECIFICATIONS
- 2) M.L.E.'S = MODULE LEVEL ELECTRONICS (IE, POWER OPTIMIZERS, MICRO-INVERTERS, CABELS, ETC)
- 3) USE 5/16" X 4"HEX HEAD STAINLESS STEEL LAG SCREWS

4) ALL RACKING AND STRUCTURAL WORK FOR THIS PROJECT SHALL COMPLY WITH BUILDING CODE, IBC 2015 AND ASCE 7-10

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**PROJECT ADDRESS:**

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**LICENSE NUMBER:**

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**ASSEMBLY & LOAD CALCS**

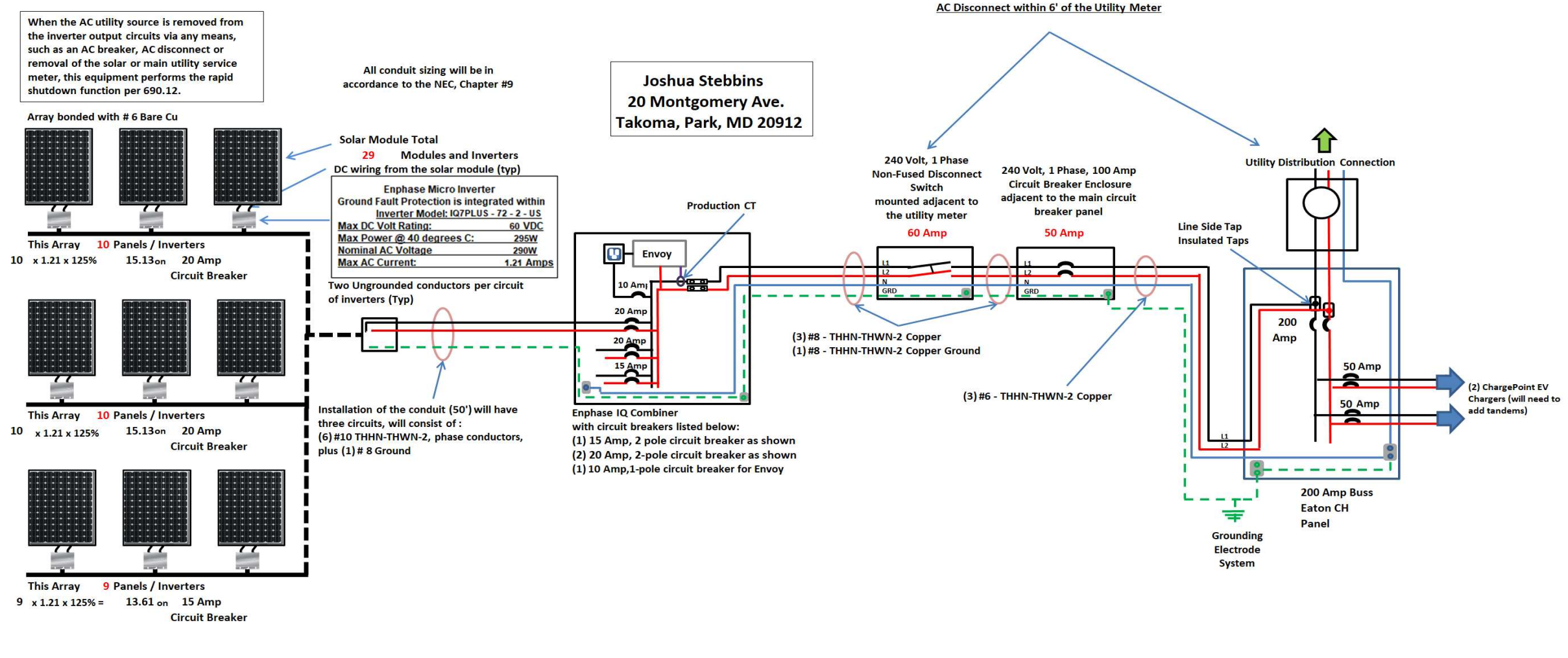
**S001**

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 Historic Preservation Commission

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- ELECTRICAL NOTES**
- 1) ALL EQUIPMENT TO BE LISTED AND LABELED FOR ITS APPLICATION
  - 2) WORKING CLEARANCES AROUND ALL NEW AND EXISTING ELECTRICAL EQUIPMENT SHALL COMPLY WITH NEC110.26
  - 3) IF USED, PV POWER SOURCE BREAKER TO BE LOCATED AT BOTTOM OF BUS PER NEC690.64(b)(7)
  - 4) LISTING AGENCY NAME AND NUMBER TO BE INDICATED ON INVERTERS AND MODULES PER NEC110.3(b)
  - 5) AC COMBINER PANELS SHALL BE LABELED AS "INVERTER AC COMBINER PANEL"
  - 5) PV POWER SOURCE TO BE SUITABLE FOR BACKFEED PER NEC690.64(b)(5)

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**ELECTRICAL - LINE DIAGRAM**

**E001**



Interconnection  
Line Side Tap  
Wire Size #8 AWG

**WIRE SIZING CALCULATION**  
2011/2014 NEC Article 310

Full Load Amperage ..... : 35.09  
Source Voltage ..... : 240  
Length of Run (Feet) ..... : 30  
Load Duty ..... : Continuous  
Conductor Type ..... : THWN-2  
Conductor Material..... : Copper  
Conductor Location ..... : Dry or Wet  
Conductor Insulation Temperature : 90 °C  
Ambient Temperature ..... : 26-30 °C = 78-86 °F  
Terminal Temperature Rating ..... : 60 °C  
Circuit Type : Single Phase 3 Wire (2 phase conductors & neutral)  
Qty. of Circuit Current-Carrying Conductors : 2  
Conductor Requirement:  
Full Load Amps ..... : 35.09  
Load Duty Multiplier ..... : 1.25  
Ambient Temp. Multiplier . : 1.15  
Qty. Conductors Multiplier : 1.0  
-----  
Required Conductor Ampacity: 50.44  
Terminal Requirement:  
Full Load Amps ..... : 35.09  
Load Duty Multiplier ..... : 1.25  
-----  
Required Terminal Ampacity : 43.86  
Selected Conductor:  
Conductor Ampacity ..... : 55.0  
Ambient Temp. Derate ..... : 0.87  
Qty. Conductors Derate ... : 1.0  
-----  
Adjusted Ampacity ..... : 47.85  
SELECTED CONDUCTOR SIZE : 8 Awg  
 $2 \times \text{Ohms/MilFt} \times \text{Length} \times \text{Amps} = 2 \times 0.778 \times 30 \times 50.44$   
VD = ..... = 1.64  
 $1000 \times \text{Qty Wires per Phase} = 1000 \times 1$   
Volts At Load Terminals..... : 238.36  
Actual Percent Voltage Drop . : 0.68

Combiner to Array  
Wire Length 50'  
Wire Size #10 AWG

**WIRE SIZING CALCULATION**  
2011/2014 NEC Article 310

Full Load Amperage ..... : 12.1  
Source Voltage ..... : 240  
Length of Run (Feet) ..... : 50  
Load Duty ..... : Noncontinuous  
Conductor Type ..... : THWN-2  
Conductor Material..... : Copper  
Conductor Location ..... : Dry or Wet  
Conductor Insulation Temperature : 90 °C  
Rooftop Installation: NEC 310.15(B)(3)(c)  
Distance Above Roof ..... : 23mm (7/8 inch) or greater above roof  
Average Outside Temp ..... : 90 Deg. F 32.2 Deg. C  
Temperature Adder ..... : 60 Deg. F 33 Deg. C  
-----  
Adjusted Ambient Temperature ... : 150.0 Deg. F 65.2 Deg. C  
Terminal Temperature Rating ..... : 60 °C  
Circuit Type : Single Phase 2 Wire (2 phase conductors, or phase & neutral)  
Qty. of Circuit Current-Carrying Conductors : 2  
Additional Current-Carrying Conductors ..... : 4  
-----  
Total Qty. Current-Carrying Conductors ..... : 6  
Conductor Requirement:  
Full Load Amps ..... : 12.1  
Load Duty Multiplier ..... : 1.0  
Ambient Temp. Multiplier . : 1.72  
Qty. Conductors Multiplier : 1.25  
-----  
Required Conductor Ampacity: 26.02  
Terminal Requirement:  
Full Load Amps ..... : 12.1  
Load Duty Multiplier ..... : 1.0  
-----  
Required Terminal Ampacity : 12.1  
Selected Conductor:  
Conductor Ampacity ..... : 40.0  
Ambient Temp. Derate ..... : 0.58  
Qty. Conductors Derate ... : 0.8  
-----  
Adjusted Ampacity ..... : 18.56  
SELECTED CONDUCTOR SIZE : 10 Awg  
 $2 \times \text{Ohms/MilFt} \times \text{Length} \times \text{Amps} = 2 \times 1.24 \times 50 \times 26.02$   
VD = ..... = 1.5  
 $1000 \times \text{Qty Wires per Phase} = 1000 \times 1$   
Volts At Load Terminals..... : 238.5  
Actual Percent Voltage Drop . : 0.63

APPROVED  
Montgomery County  
Historic Preservation Commission  
  
*Sandra L. Heiler*

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CALCULATION FOR PV BREAKER					
CALCULATION FOR MAIN PV BREAKER & CIRCUITS					
SYSTEM CURRENT:	1.21	x	29	=	35.09 A
DESIGN AMPERAGE:	35.09	x	125%	=	43.8625 A
MAIN BUSS RATING:	200	x	120%	=	240 A
EXISTING MAIN BREAKER:				=	200 A
MAX SOLAR BREAKER:	240	-	200	=	40 A
CIRCUIT #1 =	10	x	1.21 x 125% =		15.13 A
CIRCUIT #2 =	10	x	1.21 x 125% =		15.13 A
CIRCUIT #3 =	9	x	1.21 x 125% =		13.61 A

**ELECTRICAL NOTES**

- 1) ALL CONDUCTORS SHALL BE COPPER, RATED FOR 90°C AND WET ENVIRONMENT, UNLESS OTHERWISE NOTED.
- 2) ALL WIRE TERMINATIONS SHALL BE APPROPRIATELY LABELED AND READILY VISIBLE.
- 3) MODULE GROUNDING CLIPS TO BE INSTALLED BETWEEN MODULE FRAME AND MODULE SUPPORT RAIL, PER MANUFACTURER'S INSTRUCTION.

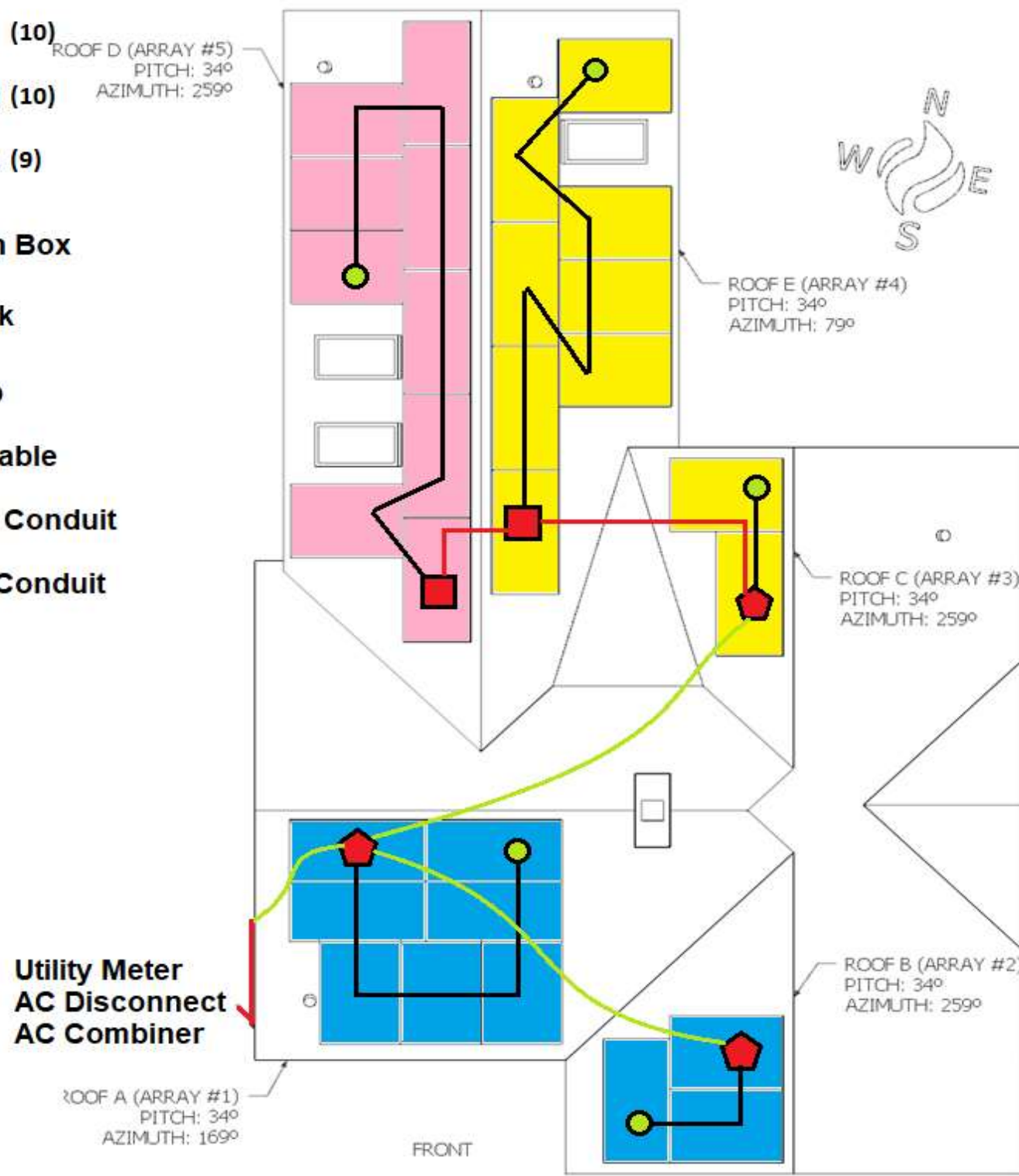
4) MODULE SUPPORT RAIL TO BE BONDED TO CONTINUOUS COPPER GEC VIA WEEB LUG PER NEC690.4(c)

REV	DATE
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**ELECTRICAL - WIRE CALCS**

**E002**

- Circuit 1 (10)**
- Circuit 2 (10)**
- Circuit 3 (9)**
- Junction Box**
- Soladeck**
- End Cap**
- Trunk Cable**
- Exterior Conduit**
- Interior Conduit**



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**ELECTRICAL NOTES**

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**STRING & CONDUIT LAYOUT**

**E003**



SOLAR MODULE RATINGS		
REC 360 Specifications		
Length:	67.75	in
Width:	40	in
Thickness:	1.18	in
Weight:	43	lbs
Imp:	9.55	A
Vmp:	37.7	V
Voc:	44.3	V
Isc:	10.16	A
OCPD:	25	A
Pmax:	360	W
Vmax:	1000	V
Temp. Coefficient:	-0.24	%Voc/°C

INVERTER 1 RATINGS		
IQ7PLUS-72-2-US Specifications		
Max # Per String:	13	
I <sub>max</sub> (ac):	1.21	A
V <sub>max</sub> (dc):	60	V
P <sub>max</sub> :	290	W
Nom. AC Voltage:	240	V
OCPD:	20	A
Weight (Optimizer):	2.38	lbs
I <sub>max</sub> (Input):	15	A
P <sub>max</sub> (dc) Input:	N/A	V

**WARNING: PHOTOVOLTAIC POWER SOURCE**

LABEL TO BE INSTALLED AT EXPOSED RACEWAYS, CABLE TRAYS, AND OTHER WIRING METHODS; SPACED AT MAXIMUM 10FT SECTION OR WHERE SEPARATED BY ENCLOSURES, WALLS, PARTITIONS, CEILINGS, OR FLOORS. [NEC 690.31(G)]  
LETTERS AT LEAST 3/8 INCH; WHITE ON RED BACKGROUND; REFLECTIVE [IFC 605.11.1.1]

**PHOTOVOLTAIC DC DISCONNECT**

LABEL TO BE INSTALLED AT EACH DC DISCONNECTING MEANS [NEC 690.13(B)]

**PHOTOVOLTAIC AC DISCONNECT**

LABEL TO BE INSTALLED AT EACH AC DISCONNECTING MEANS [NEC 690.13(B)]

**PHOTOVOLTAIC SYSTEM EQUIPPED WITH RAPID SHUTDOWN**

LABEL TO BE INSTALLED AT RAPID SHUTDOWN SWITCH [NEC 690.56(C)]  
LETTERS AT LEAST 3/8 INCH; WHITE ON RED BACKGROUND; REFLECTIVE [IFC 605.11.1.1]

**SOLAR PV SYSTEM DISCONNECT**

**RATED AC OUTPUT CURRENT: 35.09 A**

**NOMINAL OPERATING AC VOLTAGE: 240 V**

LABEL TO BE INSTALLED AT AN ACCESSIBLE LOCATION AT THE DISCONNECTING MEANS AS A POWER SOURCE [NEC 690.54]

**WARNING**

**ELECTRICAL SHOCK HAZARD**

**DO NOT TOUCH TERMINALS! TERMINALS ON BOTH LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION**

LABEL TO BE INSTALLED AT EACH DISCONNECTING MEANS FOR PHOTOVOLTAIC EQUIPMENT [NEC 690.13 AND 690.15]

**WARNING**

**ELECTRICAL SHOCK HAZARD**

**IF GROUND FAULT IS INDICATED NORMALLY GROUNDED CONDUCTORS MAY BE UNGROUNDED AND ENERGIZED**

LABEL TO BE INSTALLED AT EACH DISCONNECTING MEANS FOR PHOTOVOLTAIC EQUIPMENT [NEC 690.13 AND 690.15]

**WARNING**

**DUAL POWER SOURCE SECOND SOURCE IS PHOTOVOLTAIC SYSTEM**

LABEL TO BE INSTALLED ON EXTERIOR OF MAIN ELECTRICAL PANEL

**WARNING**

**INVERTER OUTPUT CONNECTION. DO NOT RELOCATE THIS OVERCURRENT DEVICE**

LABEL TO BE APPLIED TO THE DISTRIBUTION EQUIPMENT [NEC 690.64(B)(7)]

**INTERACTIVE PHOTOVOLTAIC SYSTEM CONNECTED**

LABEL TO BE INSTALLED AT UTILITY METER [NEC 690.56(B)]

**SOLAR PV LOADCENTER**  
10.44 kW DC SOLAR ARRAY

**240 VOLT AC SYSTEM**

**INSTALLED COMPONENTS**  
(29) REC 360W Modules  
(29) IQ7PLUS-72-2-US Inverters

CIRCUIT CALCULATIONS				
SYSTEM CURRENT:	1.21	x	29	= 35.09 A
DESIGN AMPERAGE:	35.09	x	125%	= 43.8625 A
CIRCUIT #1 =	10	x	1.21 x 125% =	15.13
CIRCUIT #2 =	10	x	1.21 x 125% =	15.13
CIRCUIT #3 =	9	x	1.21 x 125% =	13.61

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3701 COMMERCE DR SUITE 101  
BALTIMORE, MD 21227  
(443) 955-0779

**LICENSE NUMBER:**  
MHIC-30991

REV	DATE
IFC	7/13/2020

**EQUIP. RATINGS & SIGNAGE**

**E004**

**SIGNAGE NOTES**

- 1) ALL PLAQUES AND LABELS SHALL HAVE A RED BACKGROUND (OR AS SHOWN HERE)
- 2) ALL LETTERING SHALL BE WHITE AND HAVE A MINIMUM HEIGHT OF 3/8" (OR AS SHOWN HERE)
- 3) FONT SHALL BE ARIAL (OR SIMILAR ) AND ALL LETTERING SHALL BE CAPITALIZED
- 4) ALL PLAQUES AND LABELS SHALL BE OF A MATERIAL SUITABLE FOR THE ENVIRONMENT INSTALLED

APPROVED  
Montgomery County  
Historic Preservation Commission

*Sandra L. Skiles*

**REVIEWED**  
By Dan.Bruechert at 2:17 pm, Sep 11, 2020