



HISTORIC PRESERVATION COMMISSION

HAWP #: _____ at: _____

submitted on: _____

has been reviewed and determined that the proposal fits into the following category/categories:

Repair or replacement of a masonry foundation with new masonry materials that closely match the original in appearance;

Installation of vents or venting pipes in locations not visible from the public right-of-way;

New gutters and downspouts;

Removal of vinyl, aluminum, asbestos, or other artificial siding when the original siding is to be repaired and/or replaced in kind;

Removal of accessory buildings that are not original to the site or non-historic construction;

Repair or replacement of missing or deteriorated architectural details such as trim or other millwork, stairs or stoops, porch decking or ceilings, columns, railings, balusters, brackets shutters, etc., with new materials that match the old in design, texture, visual characteristics, and, where possible materials, so long as the applicant is able to provide one extant example, photographic evidence, or physical evidence that serves as the basis for the work proposed;

Construction of wooden decks that are at the rear of a structure and are not visible from a public right-of-way;

Roof replacement with -compatible roofing materials, or with architectural shingles replacing 3-Tab asphalt shingles;

Installation of storm windows or doors that are compatible with the historic resource or district;

Repair, replacement or installation of foundation-level doors, windows, window wells, and areaways, or foundation vents, venting pipes, or exterior grills that do not alter the character-defining features and/or the historic character of the resource;

Construction of fences that are compatible with the historic site or district in material, height, location, and design;

Fence is lower than 48" in front of rear wall plane;

Construction of walkways, parking pads, patios, driveways, or other paved areas that are not visible from a public right-of-way and measure no more than 150 square feet in size;

Replacement of existing walkways, parking pads, patios, driveways, or other paved areas with materials that are compatible with the visual character of the historic site and district and that are no greater than the dimensions of the existing hardscape;

Construction of small accessory buildings no larger than 250 square feet in size that are not visible from the public right-of-way;

Installations of skylights on the rear of a structure that will not be visible from the public right-of-way, and would not remove or alter character-defining roof materials;

Installation of solar panels and arrays in locations that are not readily visible from the public right-of-way or that are designed so as to have a minimal impact on the historic resource or the historic district (e.g., systems that are ground-mounted in areas other than the front or side yard of a corner lot, located on accessory or outbuildings, on non-historic additions, or on rear facing roof planes);

Installation of car charging stations in any location on a property or in the right-of-way;

Installation of satellite dishes;

Removal of trees greater than 6" in diameter (d.b.h.) that are dead, dying, or present an immediate hazard.

Removal of trees greater than 6" in diameter (d.b.h.) in the rear of the property that will not impact the overall tree canopy of the surrounding district or historic site;

Replacement tree required as a condition; and,

Other minor alterations that may be required by the Department of Permitting Services post-Commission approval that would have no material effect on the historic character of the property.

Staff finds the proposal complies with Chapter 24A, the Secretary of the Interior's Standards for Rehabilitation, and any additional requisite guidance. Under the authority of COMCOR No. 24A.04.01, this HAWP is approved by Devon Murtha on _____. The approval memo and stamped drawings follow.

SolarStack Flat Roof Kit
Critter Guard

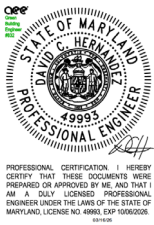
REVIEWED

By Devon.Murtha at 2:25 pm, Mar 30, 2026

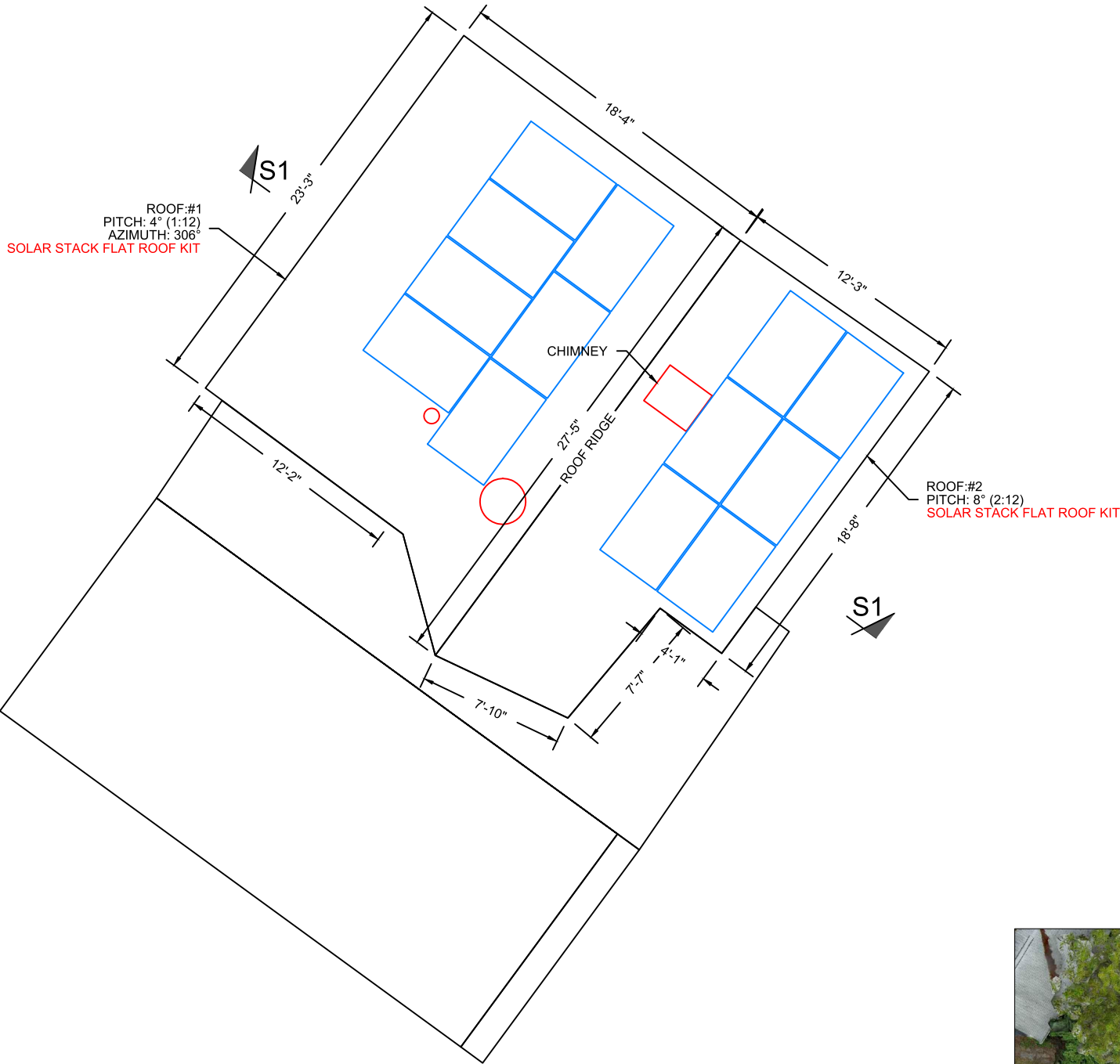
APPROVED

Montgomery County

Historic Preservation Commission



David C. Hernandez, PE
Digitally signed by David C. Hernandez, PE
Date: 2026.03.16 17:01:53 -04:00



PLAN VIEW TOTAL ROOF AREA: 1377 SQFT
SOLAR ARRAY AREA: 273.00 SQFT
THE SOLAR ARRAY IS 19.8% OF THE PLAN VIEW TOTAL ROOF AREA

- NOTES:
- THE SYSTEM SHALL INCLUDE (13) JAM54D41-440 MB.
 - SOLAR STACK MOUNT KIT WILL BE INSTALLED IN ACCORDANCE WITH SOLAR STACK INSTALLATION MANUAL.
 - REFER TO STRUCTURAL DRAWING FOR SECTIONS MARKED AND ADDITIONAL NOTES.

SOLAR PANEL LAYOUT
Scale: 1/8" = 1'-0"



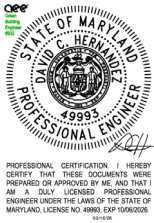
SolarEnergyWorld
Because Tomorrow Matters
Solar Energy World LLC.
14880 Sweitzer Lane
Laurel, MD 20707
(888) 497-3233

Disclaimer:
This drawing is the property of Solar Energy World Inc. The information herein contained shall be used for the sole benefit of Solar Energy World. It shall not be disclosed to others outside the recipient's organization, in whole or in part, without the written permission of Solar Energy World, except in connection with the sale and use of the respective Solar Energy equipment.

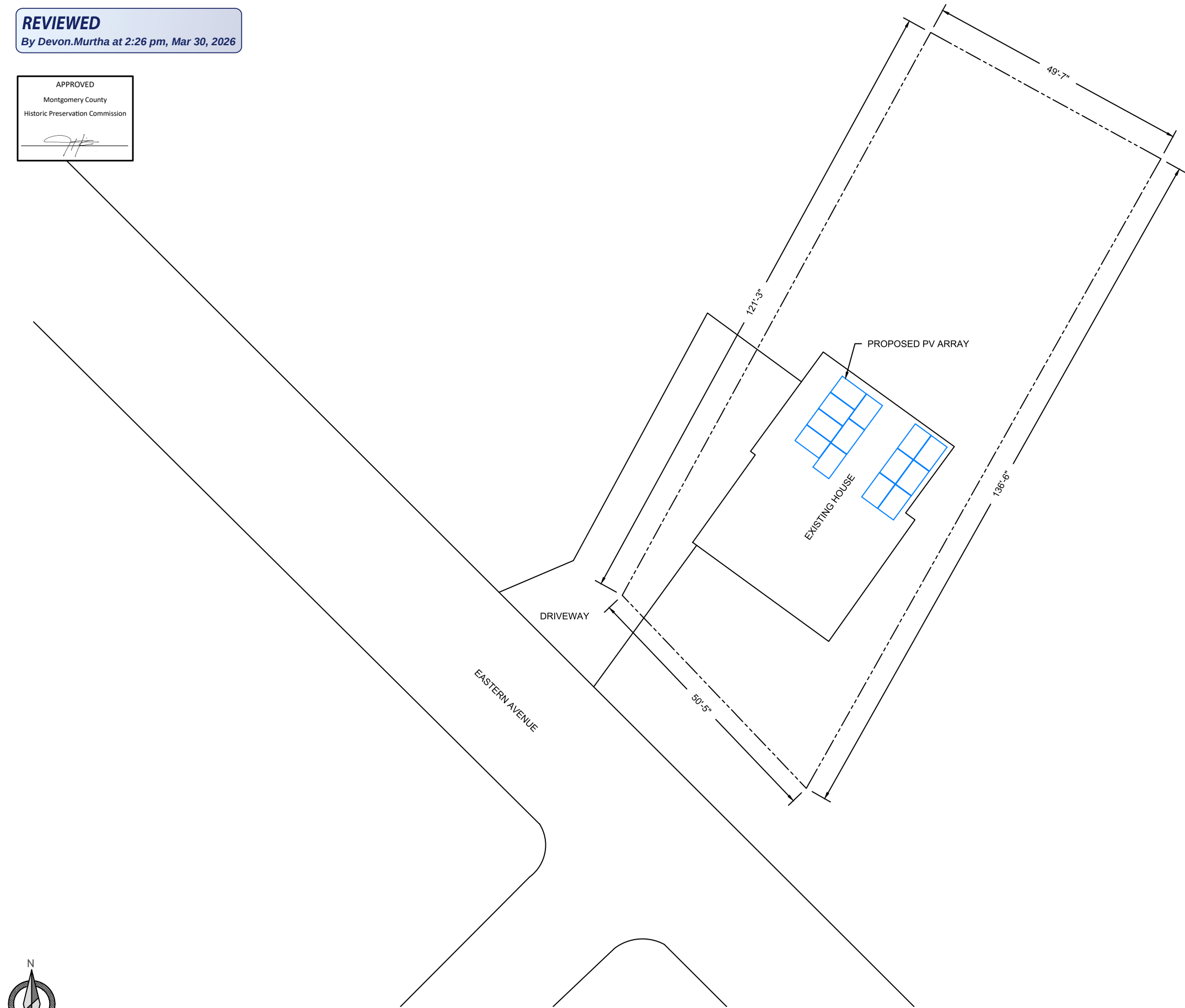
Building Code		
International Residential Code (IRC) 2021		
Electrical Code		
National Electrical Code (NEC) 2017		
Wind Speed	Snow Load	
115 MPH	30 PSF	
Modules		
(13) JAM54D41-440 MB		
Inverter(s)		
(13) IQ8MC-72-M-US		
DC System Size	AC System Size	
5.720 kW	4.160 kW	
Customer Information		
Prasannaa Ayalur 7055 Eastern Avenue, Takoma Park, MD 20912		
Partner/Lender		
None		
City	Utility	
Montgomery County	Pepco	
Sheet Name		
Solar Panel Layout		
Drawn By	Date	
AMP	March 16, 2026	
Scale	Job Number	Sheet
AS NOTED	MD28896	A-1

REVIEWED
By Devon.Murtha at 2:26 pm, Mar 30, 2026

APPROVED
Montgomery County
Historic Preservation Commission



David C. Hernandez, PE
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Date: 2026.03.16 17:01:53 -04:00



SITE PLAN
Scale: 1" = 20'-0"



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Building Code
International Residential Code (IRC) 2021

Electrical Code
National Electrical Code (NEC) 2017

Wind Speed 115 MPH	Snow Load 30 PSF
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Modules
(13) JAM54D41-440 MB

Inverter(s)
(13) IQ8MC-72-M-US

DC System Size 5.720 kW	AC System Size 4.160 kW
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Customer Information
Prasannaa Ayalur
7055 Eastern Avenue,
Takoma Park, MD 20912

Partner/Lender
None

AGU Montgomery County	Utility Pepco
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Sheet Name
Site Plan

Drawn By AMP	Date March 16, 2026
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Scale AS NOTED	Job Number MD28896	Sheet A-2
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REVIEWED
By Devon.Murtha at 2:26 pm, Mar 30, 2026

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Montgomery County
Historic Preservation Commission



EQUIPMENT LOCATION PLAN
Scale: NTS

NOTE:
EQUIPMENT LOCATION PLAN IS APPROXIMATE, EXACT LOCATION
TO BE VERIFIED WITH INSTALLATION CREW AND HOME OWNER
AT THE TIME OF INSTALLATION.



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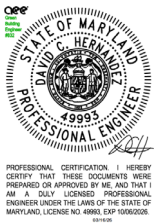
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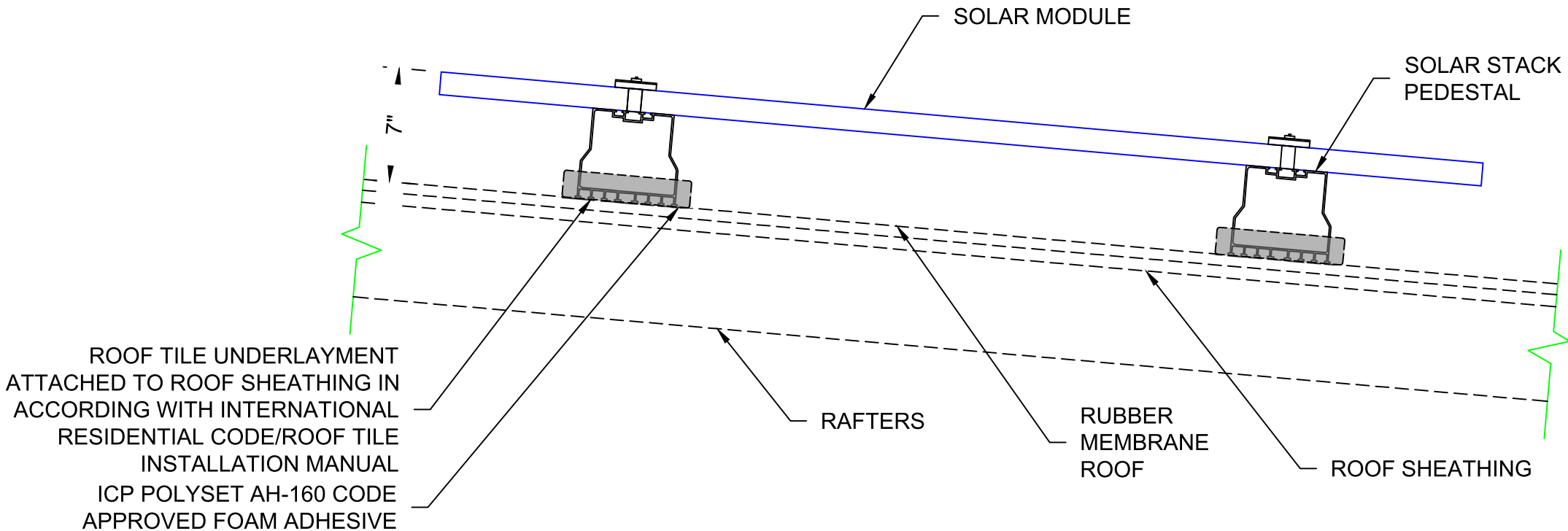
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Electrical Code		
National Electrical Code (NEC) 2017		
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115 MPH	30 PSF	
Modules		
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DC System Size	AC System Size	
5.720 kW	4.160 kW	
Customer Information		
Prasannaa Ayalur 7055 Eastern Avenue, Takoma Park, MD 20912		
Partner/Lender		
None		
ANJ	Utility	
Montgomery County	Pepco	
Sheet Name		
Equipment Location Plan		
Drawn By	Date	
AMP	March 16, 2026	
Scale	Job Number	Sheet
AS NOTED	MD28896	E-1

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Date: 2026.03.16 17:01:53 -04:00



Structural Details		
S1	Rafter	2x6 O.C. 16"

- NOTES:
- ALL WORK SHALL COMPLY WITH REQUIREMENTS OF INTERNATIONAL RESIDENTIAL CODE (IRC 2021), LOADING CODE (ASCE 7-16), WOOD DESIGN CODE (NDS 2015), AND LOCAL REQUIREMENTS.
 - LOAD CRITERIA PER :
 - EXPOSURE CATEGORY "B"
 - GROUND SNOW LOAD, $P_g = 30$ PSF
 - LATERAL LOAD RISK CATEGORY "II"
 - ULTIMATE DESIGN WIND SPEED = 115 MPH
 - SOLAR PANELS AND RACKING SYSTEMS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.
 - FOLLOW ALL LOCAL AND FEDERAL SAFETY REQUIREMENTS.

STRUCTURAL ATTACHMENT DETAIL



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Customer Information
Prasannaa Ayalur
7055 Eastern Avenue,
Takoma Park, MD 20912

Partner/Lender
None

City	Utility
Montgomery County	Pepco

Sheet Name		
Structural Attachment Details		
Drawn By	Date	
AMP	March 16, 2026	
Scale	Job Number	Sheet
AS NOTED	MD28896	S-1

Bill Of Materials	
Product	Count
Solar Stack	34

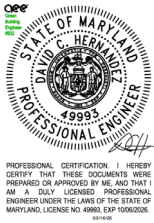
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REVIEWED

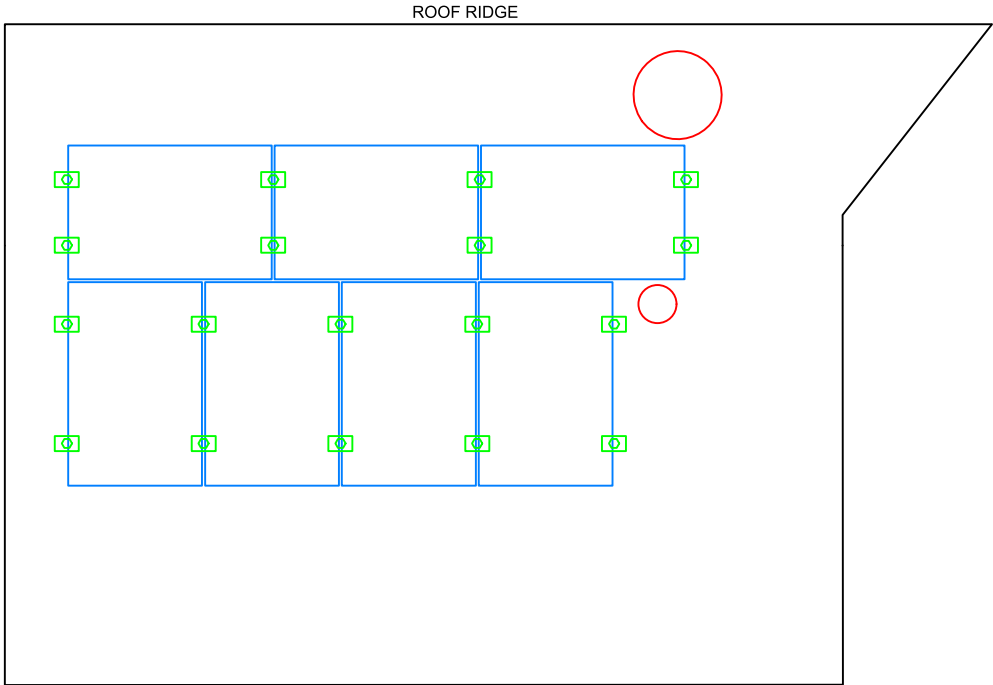
By Devon.Murtha at 2:26 pm, Mar 30, 2026



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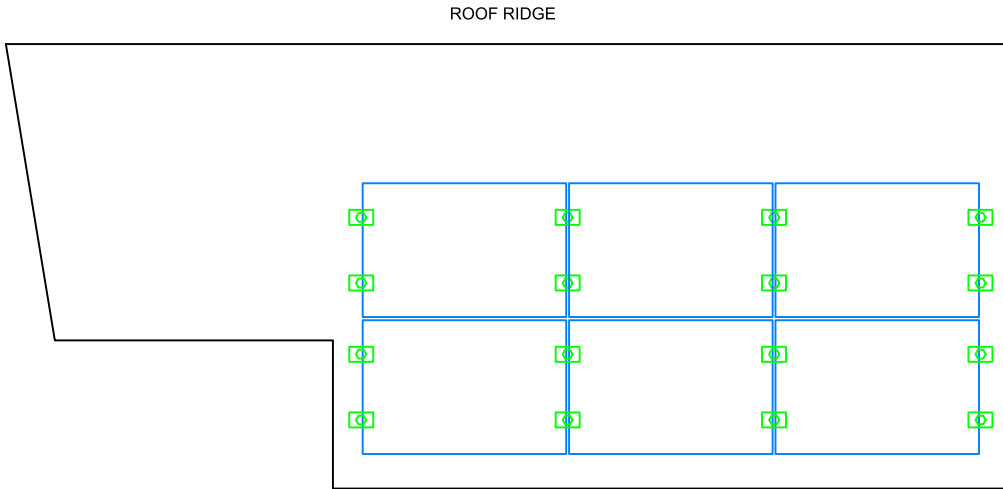
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Date: 2026.03.16 17:01:53 -04:00



SOLAR PANEL FOOTING PLAN R1

Scale: 3/16" = 1'-0"



SOLAR PANEL FOOTING PLAN R2

Scale: 3/16" = 1'-0"

NOTES:

1. SOLAR STACK SHALL BE INSTALLED IN ACCORDANCE WITH SOLAR STACK INSTALLATION MANUAL.

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Customer Information

Prasannaa Ayalur

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Partner/Lender

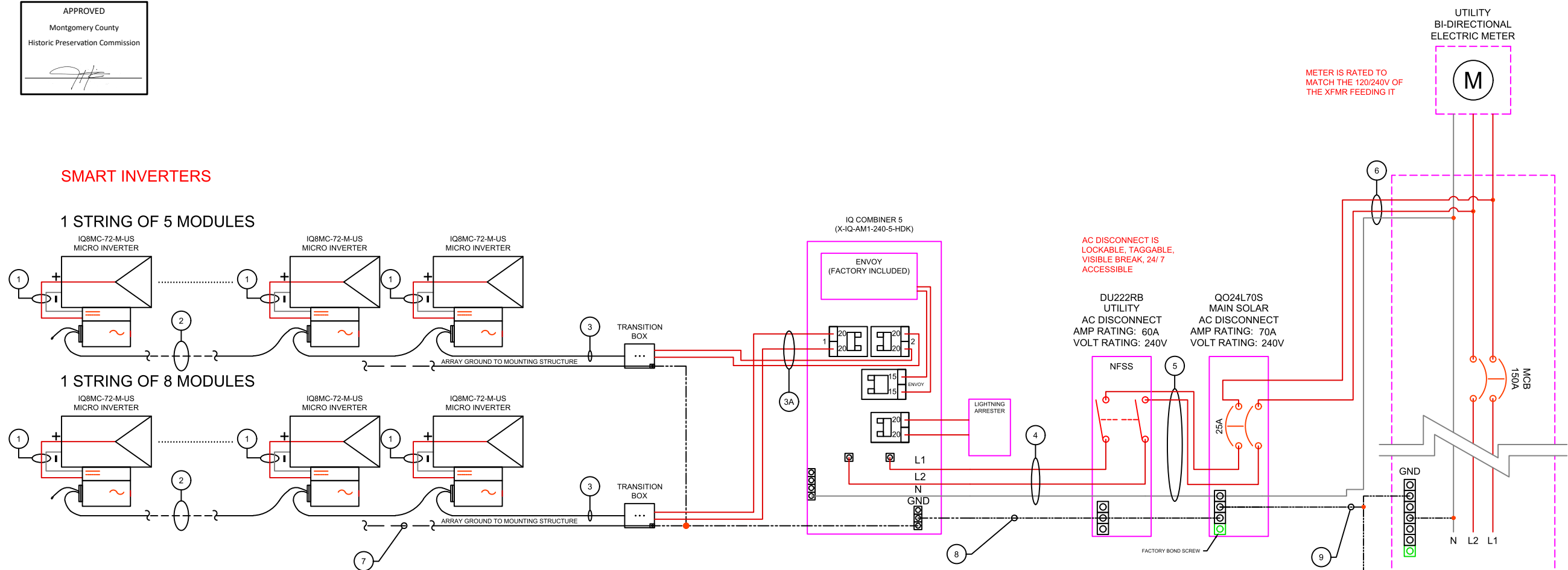
None

ANJ	Utility
Montgomery County	Pepco

Sheet Name		
Solar Panel Footing Plan		
Drawn By	Date	
AMP	March 16, 2026	
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3-LINE DIAGRAM

MODULE SPECIFICATIONS		
MODEL NUMBER	JAM54D41-440 MB	
PEAK POWER	440 W	
RATED VOLTAGE (V _{mpp})	33.37 V	
RATED CURRENT (I _{mp})	13.18 A	
OPEN CIRCUIT VOLTAGE (V _{oc})	39.38 V	
SHORT CIRCUIT CURRENT (I _{sc})	13.85 A	
MAXIMUM SYSTEM VOLTAGE	1500VDC	
INVERTER SPECIFICATIONS		
MODEL NUMBER	IQ8MC-72-M-US	
MAXIMUM DC VOLTAGE	60 V	
MAXIMUM POWER OUTPUT	320 W	
NOMINAL AC VOLTAGE	240 VAC	
MAXIMUM AC CURRENT	1.33 A	
CEC EFFICIENCY	97.0%	
ARRAY DETAILS		
NO. OF MODULES PER STRING	8	5
NO. OF STRINGS	1	1
ARRAY WATTS AT STC	3520	2200

WIRE/CONDUIT SCHEDULE ARRAY			
TAG	DESCRIPTION	WIRE SIZE/TYPE	NOTES
1	Panel to Micro Inverter	PV Wire (Factory Made)	INTEGRATED
2	Micro Inverter to Micro Inverter	Pre-Manufactured Cable	
3	Micro Inverter to Transition Box	Pre-Manufactured Cable	
3A	Transition Box to Load Center	#10 THHN/THWN-2	
4	Load Center to AC Disconnect	#10 Cu THHN/THWN-2	
5	AC Disconnect to AC Disconnect	#10 Cu THHN/THWN-2	
6	AC Disconnect to Interconnection Point	#6 Cu THHN/THWN-2	
7	Equipment Grounding Conductor	#8 Cu Bare Copper Wire	
8	Equipment Grounding Conductor	#8 Cu THHN/THWN-2	
9	Grounding Electrode Conductor	#6 Cu	

GENERAL ELECTRIC NOTES: NEC2017

- EQUIPMENT USED SHALL BE NEW, UNLESS OTHERWISE NOTED.
 - EQUIPMENT USED SHALL BE UL LISTED, UNLESS OTHERWISE NOTED.
 - EQUIPMENT SHALL BE INSTALLED PROVIDING ADEQUATE PHYSICAL WORKING SPACE AROUND THE EQUIPMENT AND SHALL COMPLY WITH NEC.
 - COPPER CONDUCTORS SHALL BE USED AND SHALL HAVE AN INSULATION RATING OF 600V, 90°C, UNLESS OTHERWISE NOTED
 - CONDUCTORS SHALL BE SIZED IN ACCORDANCE TO THE NEC. CONDUCTORS AMPACITY SHALL BE DE-RATED FOR TEMPERATURE INCREASE, CONDUIT FILL AND VOLTAGE DROP.
 - ALL CONDUCTORS, EXCEPT PV WIRE SHALL BE INSTALLED IN APPROVED CONDUITS OR RACEWAY. CONDUITS SHALL BE ADEQUATELY SUPPORTED AS PER NEC.
 - AC DISCONNECT SHOWN IS REQUIRED IF THE UTILITY REQUIRES VISIBLE-BLADE SWITCH.
 - EXPOSED NON-CURRENT CARRYING METAL PARTS SHALL BE GROUNDED AS PER NEC.
 - LINE SIDE INTER-CONNECTION SHALL COMPLY WITH NEC.
 - SMS MONITORING SYSTEM AND IT'S CONNECTION SHOWN IS OPTIONAL. IF USED, REFER TO SMS INSTALLATION MANUAL FOR WIRING METHODS AND OPERATION PROCEDURE.
 - ASHRAE FUNDAMENTAL OUTDOOR DESIGN TEMPERATURES DO NOT EXCEED 47°C IN THE U.S. (PHOENIX, AZ OR PALM SPRINGS, CA)
 - FOR LESS THAN 9 CURRENT-CARRYING CONDUCTORS IN ROOF MOUNTED SUNLIGHT CONDUIT USING THE OUTDOOR TEMPERATURE OF 47°C
 - 10AWG CONDUCTOR ARE GENERALLY ACCEPTABLE FOR MODULES WITH AN I_{sc} OF 9.6 AMPS WITH A 15 AMP FUSE.
- WIRE SIZING FOR OCPD
EX (I_{sc} * (1.25)/(1.25))/(# OF STRINGS IN PARALLEL) = WIRE AMPACITY OR USING NEC TABLE 690.8

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Snow Load
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Inverter(s)
(13) IQ8MC-72-M-US

DC System Size
5.720 kW

AC System Size
4.160 kW

Customer Information
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7055 Eastern Avenue,
Takoma Park, MD 20912

Partner/Lender
None

AGU
Montgomery County

Utility
Pepco

Sheet Name
Electrical 3-Line Diagram

Drawn By
AMP

Date
March 16, 2026

Scale
AS NOTED

Job Number
MD28896

Sheet
E-2