



PV SOLAR SYSTEM SPECIFICATIONS		
SYSTEM SIZE	5.220 KW DC	3.800 KW AC
MODULE TYPE AND AMOUNT	(18) <u>Hanwha Q.PEAK BLK-G4.1 290</u>	
MODULE DIMENSIONS	(L/W/H) 65.7in (1670mm)/ 39.4in (1000mm)/ 1.26in (32mm) Weight 41.45lbs (18.8kg)	
INVERTER	SOLAREGE-SE3800H-US SINGLE PHASE STRING INVERTERS WITH P320 POWER OPTIMIZERS	
INTERCONNECTION METHOD	SUPPLY-SIDE TAP	
ROOF TYPE	Composition Shingle	
NOTES FOR FIELD:		
CONDUIT RUN THROUGH THE ATTIC OR UNDER EAVES DENOTED WITH DASHED LINES ON SITE PLAN		

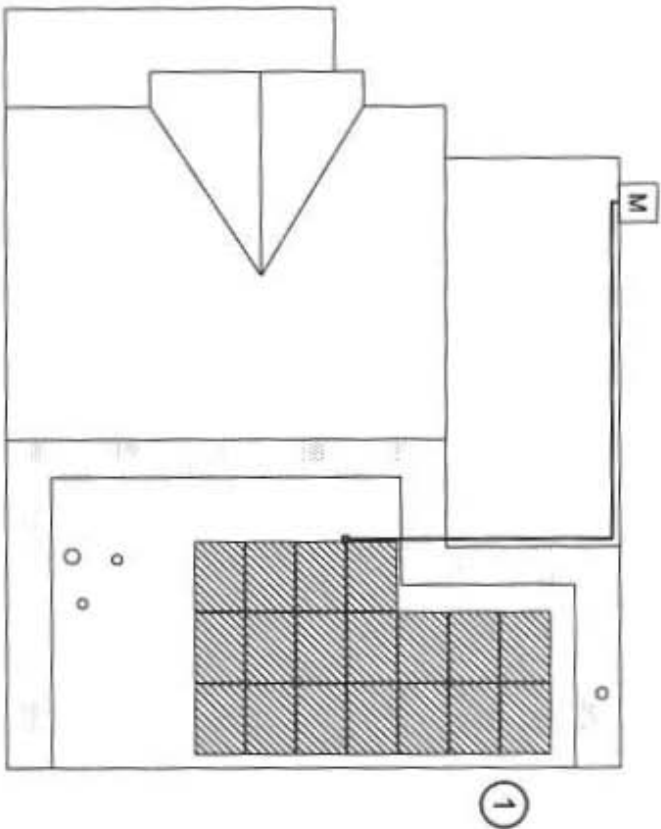
NEW PV SOLAR SYSTEM FOR
Shin Residence LOCATED AT
2112 Abbott Way Woodstock, MD 21163


vivint.solar

INDEX OF DRAWING
PV 0.0 COVER SHEET
PV 1.0 SITE PLAN
MD 1.0 MOUNTING DETAIL
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E 1.0 1-LINE
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PV 0.0 SHEET NUMBER:	COVER SHEET SHEET NAME:	vivint.solar <small>REPLACE HANWH Q.PEAK BLK-G4.1 290</small>	<small>INSTALL VIVINT SOLAR</small>	<small>2112 ABBOTT WAY</small>	<small>WOODSTOCK, MD 21163</small>
			<small>CREATED: 8/20/21</small>	<small>DATE: 8/20/21</small>	<small>PROJECT NUMBER: 10000000000000000000</small>

	PV GROUP #1: 18 MODULES
	OFFSET FOR ROOF ACCESS




PV SYSTEM SIZE: 5.220 KW DC
1 Roof Section 1 Roof Azimuth: 107 Roof Tilt: 32

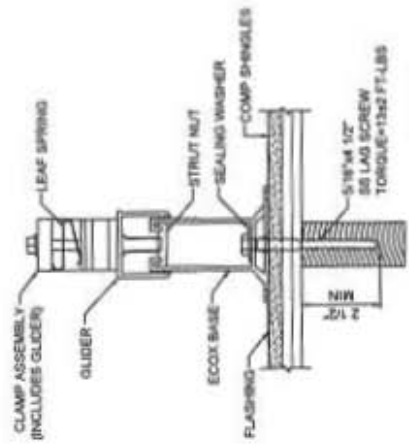
	CONDUIT 60' OF 1" PVC CONDUIT FROM JUNCTION BOX TO ELEC PANEL FASTENED 1-1/2" OFF ROOF WITH ECOX CONDUIT MOUNTS
	JUNCTION BOX JUNCTION BOX ATTACHED TO ARRAY USING ECOX HARDWARE TO KEEP JUNCTION BOX OFF ROOF
	METER PV INTERCONNECTION POINT, INVERTER, AC DISCONNECT SWITCH, & UTILITY METER LOCATION, THE INTO METER# G156201527
MODULE TYPE	(18) Hanwa Q PEAK BLK-G4.1 290 MODULES

PV SYSTEM SITE PLAN
Scale: 1/8" = 1'-0"

2 MOUNTING
DETAIL
MD 1.0

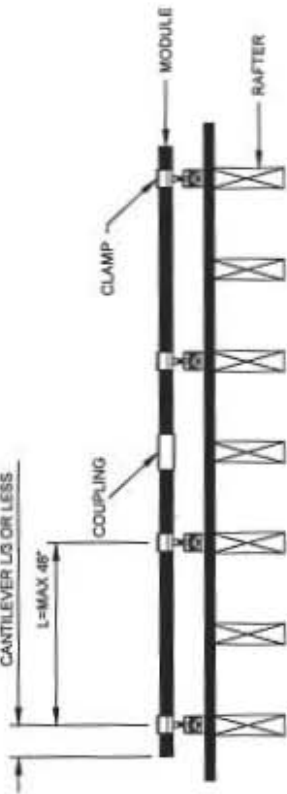


1 PV ARRAY TYP. ELEVATION
MD 1.0 NOT TO SCALE

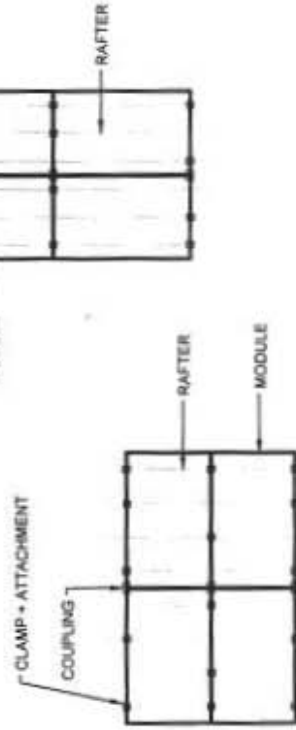


2 MOUNT DETAIL - ECOX
WITH METAL FLASHING
MD 1.0 NOT TO SCALE

4 PV SYSTEM MOUNTING DETAIL
MD 1.0 NOT TO SCALE



3 MODULES IN PORTRAIT/LANDSCAPE
MD 1.0 NOT TO SCALE



MD 2.0

SHEET NUMBER

MOUNT SPACING DIAGRAM

SHEET NAME

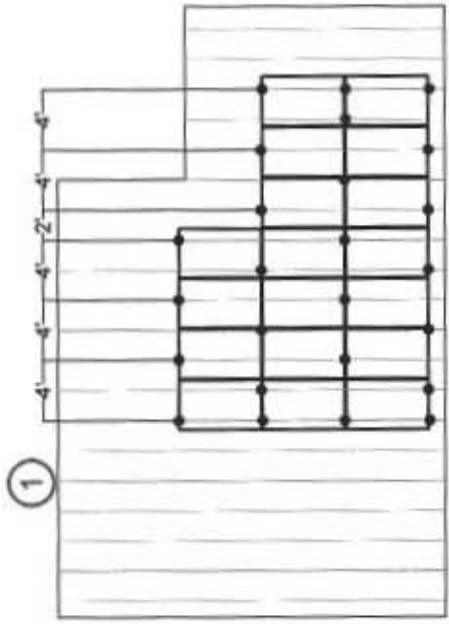
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PROJECT NUMBER	PROJECT NAME
PROJECT ADDRESS	PROJECT CONTACT
PROJECT PHONE	PROJECT EMAIL

Shin Residence
 2112 Akbar Way
 Woodstock, MD 21153
 410.440.4400

Roof Section 1
 Roof Area: 107
 Roof Tilt: 32

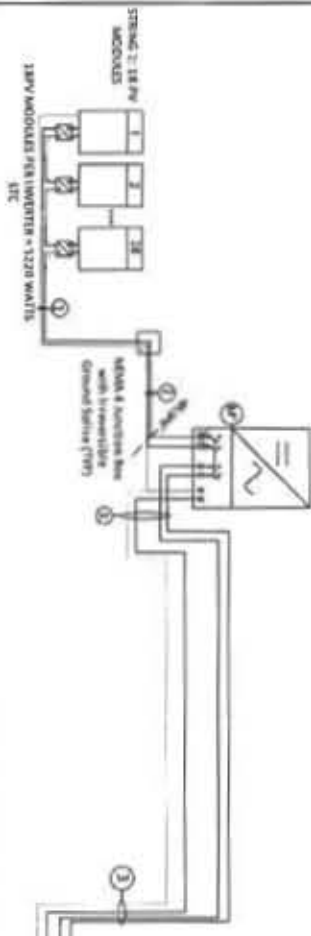
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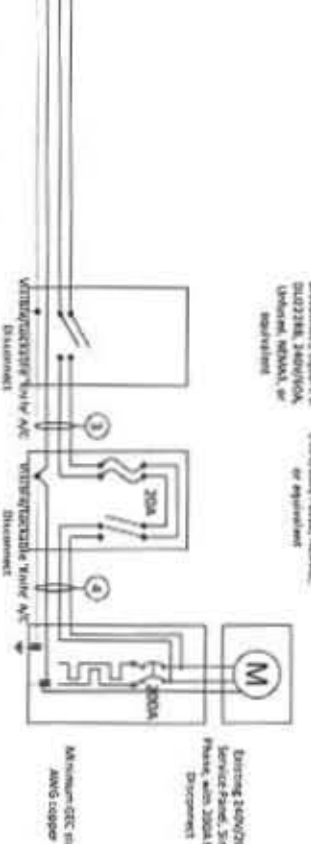
Photovoltaic System	
DC System Size (Watts)	5220
AC System Size (Watts)	3800
Total Module Count	18

Tag #	Description	Wire Gauge	# of Conductors/Color	Conduit Type	Conduit Size
1	PV Wire	10 AWG	2 (V+, V-)	N/A-Free Air	N/A-Free Air
1	Bare Copper Ground(EG/GEC)	6 AWG	1 BARE	N/A-Free Air	N/A-Free Air
2	THWN-2	10 AWG	2 (1V+, 1V-) B/R	EMT	3/4"
2	THWN-2 - Ground	8 AWG	1 (GBN)	EMT	3/4"
3	THWN-2	10 AWG	3 (1L1, 1L2, 1N) B/W/W	EMT	3/4"
3	THWN-2 - Ground	8 AWG	1 (GBN)	EMT	3/4"
4	THWN-2	10 AWG	3 (1L1, 1L2, 1N) B/W/W	EMT	3/4"
4	THWN-2 - Ground (GEC)	8 AWG	1 (GBN)	EMT	3/4"

Star-Kap
 30300V-15
 1/2" x 1/2" x 1/2" x 1/2"
 C11.1-1000, Rapid
 Shutdown Attachment to DC
 Panels.



Panel 1 Installation, Supply Side
 200.120E



E. 1	3-Line Drawing	INSTALLER: VIVINT SOLAR		Shin Residence
		INSTALLER NUMBER: 1.877.404.4129		2112 ABBOTT WAY
		MD LICENSE: 11692		WOODSTOCK, MD 21163
		5600013	Created: 8/23/17	Utility Account: 9787360245