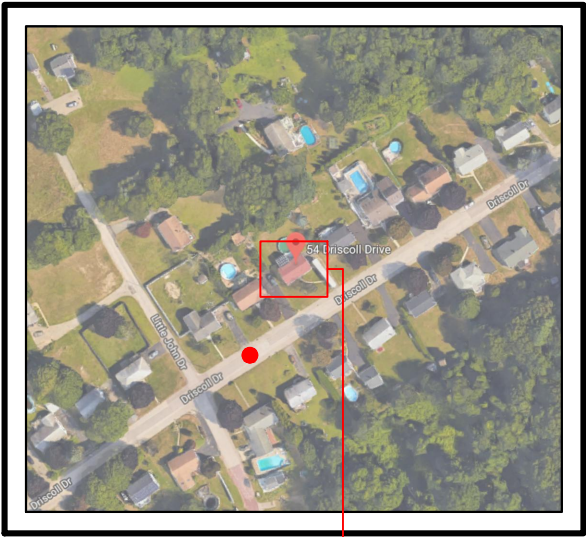


# INSTALLATION OF NEW ROOF MOUNTED PV SOLAR SYSTEM

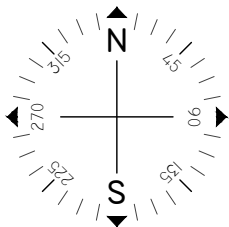
54 DRISCOLL DRIVE  
UNCASVILLE, CT 06382

DRISCOLL DRIVE ●



 VICINITY MAP  
SCALE: NTS

SITE



#### Issued / Revisions

A1	AS BUILT	7/19/2018
P1	ISSUED TO TOWNSHIP FOR PERMIT	4/17/2018
NO.	DESCRIPTION	DATE

Project Title:

TASSIS, GRIGORIOS

TRINITY ACCT #: 2018-04-247848

Project Address:

54 DRISCOLL DRIVE  
UNCASVILLE, CT 06382  
41.471978,-72.082683

Drawing Title:

AS BUILT PV SOLAR SYSTEM

#### Drawing Information

DRAWING DATE:	4/17/2018
DRAWN BY:	IG
REVISED BY:	JWS

#### System Information:

DC SYSTEM SIZE:	16.815kW
AC SYSTEM SIZE:	13kW
TOTAL MODULE COUNT:	57
MODULES USED:	HANWHA 295
MODULE SPEC #:	Q.PEAK-BLK G4.1 295
UTILITY COMPANY:	EVERSOURCE
UTILITY ACCT #:	51521638072
UTILITY METER #:	885726962
DEAL TYPE:	SUNNOVA

Rev. No.

A1

Sheet

PV - 1



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Wall, New Jersey 07719

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#### GENERAL NOTES

1. THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL EQUIPMENT AND FOLLOWING ALL DIRECTIONS AND INSTRUCTIONS CONTAINED IN THE DRAWING PACKAGE AND INFORMATION RECEIVED FROM TRINITY.
2. THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL EQUIPMENT AND FOLLOWING ALL DIRECTIONS AND INSTRUCTION CONTAINED IN THE COMPLETE MANUAL.
3. THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR READING AND UNDERSTANDING ALL DRAWINGS, COMPONENT AND INVERTER MANUALS PRIOR TO INSTALLATION. THE INSTALLATION CONTRACTOR IS ALSO REQUIRED TO HAVE ALL COMPONENT SWITCHES IN THE OFF POSITION AND FUSES REMOVED PRIOR TO THE INSTALLATION OF ALL FUSE BEARING SYSTEM COMPONENTS.
4. ONCE THE PHOTOVOLTAIC MODULES ARE MOUNTED, THE INSTALLATION CONTRACTOR SHOULD HAVE A MINIMUM OF ONE ELECTRICIAN WHO HAS ATTENDED A SOLAR PHOTOVOLTAIC INSTALLATION COURSE ON SITE.
5. FOR SAFETY, IT IS RECOMMENDED THAT THE INSTALLATION CREW ALWAYS HAVE A MINIMUM OF TWO PERSONS WORKING TOGETHER AND THAT EACH OF THE INSTALLATION CREW MEMBERS BE TRAINED IN FIRST AID AND CPR.
6. THIS SOLAR PHOTOVOLTAIC SYSTEM IS TO BE INSTALLED FOLLOWING THE CONVENTIONS OF THE NATIONAL ELECTRICAL CODE. ANY LOCAL CODE WHICH MAY SUPERSEDE THE NEC SHALL GOVERN.
7. ALL SYSTEM COMPONENTS TO BE INSTALLED WITH THIS SYSTEM ARE TO BE "UL" LISTED. ALL EQUIPMENT WILL BE NEMA 3R OUTDOOR RATED UNLESS INDOORS.

#### GENERAL NOTES

IF ISSUED DRAWING IS MARKED WITH A REVISION CHARACTER OTHER THAN "A", PLEASE BE ADVISED THAT FINAL EQUIPMENT AND/OR SYSTEM CHARACTERISTICS ARE SUBJECT TO CHANGE DUE TO AVAILABILITY OF EQUIPMENT.

#### GENERAL NOTES CONTINUED

8. THE DC VOLTAGE FROM THE PANELS IS ALWAYS PRESENT AT THE DC DISCONNECT ENCLOSURE AND THE DC TERMINALS OF THE INVERTER DURING DAYLIGHT HOURS. ALL PERSONS WORKING ON OR INVOLVED WITH THE PHOTOVOLTAIC SYSTEM ARE WARNED THAT THE SOLAR MODULES ARE ENERGIZED WHENEVER THEY ARE EXPOSED TO LIGHT.
9. ALL PORTIONS OF THIS SOLAR PHOTOVOLTAIC SYSTEM SHALL BE MARKED CLEARLY IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE ARTICLE 690 & 705.
10. PRIOR TO THE INSTALLATION OF THIS PHOTOVOLTAIC SYSTEM, THE INSTALLATION CONTRACTOR SHALL ATTEND A PRE-INSTALLTION MEETING FOR THE REVIEW OF THE INSTALLATION PROCEDURES, SCHEDULES, SAFETY AND COORDINATION.
11. PRIOR TO THE SYSTEM START UP THE INSTALLATION CONTRACTOR SHALL ASSIST IN PERFORMING ALL INITIAL HARDWARE CHECKS AND DC WIRING CONDUCTIVITY CHECKS.
12. FOR THE PROPER MAINTENANCE AND ISOLATION OF THE INVERTERS REFER TO THE ISOLATION PROCEDURES IN THE OPERATION MANUAL.
13. THE LOCATION OF PROPOSED ELECTRIC AND TELEPHONE UTILITIES ARE SUBJECT TO FINAL APPROVAL OF THE APPROPRIATE UTILITY COMPANIES AND OWNERS.
14. ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION FOR THE SITE IMPROVEMENTS SHOWN HEREIN SHALL BE IN ACCORDANCE WITH:
  - A) CURRENT PREVAILING MUNICIPAL AND/OR COUNTY SPECIFICATIONS, STANDARDS AND REQUIREMENTS

#### GENERAL NOTES CONTINUED

14. B) CURRENT PREVAILING UTILITY COMPANY SPECIFICATIONS, STANDARDS, AND REQUIREMENTS
15. THIS SET OF PLANS HAVE BEEN PREPARED FOR THE PURPOSE OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL. THIS SET OF PLANS SHALL NOT BE UTILIZED AS CONSTRUCTION DRAWINGS UNTIL REVISED TO INDICATE "ISSUED FOR CONSTRUCTION".
16. ALL INFORMATION SHOWN MUST BE CERTIFIED PRIOR TO USE FOR CONSTRUCTION ACTIVITIES.

#### ABBREVIATIONS

AMP	AMPERE
AC	ALTERNATING CURRENT
AL	ALUMINUM
AF	AMP. FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AWG	AMERICAN WIRE GAUGE
C	CONDUIT ( GENERIC TERM OF SPECIFIED)
CB	COMBINER BOX
CKT	CIRCUIT
CT	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
DISC	DISCONNECT SWITCH
DWG	DRAWING
EC	ELECTRICAL SYSTEM INSTALLER
EMT	ELECTRICAL METALLIC TUBING
FS	FUSIBLE SWITCH
FU	FUSE
GND	GROUND
GFI	GROUND FAULT INTERRUPTER
HZ	FREQUENCY ( CYCLES PER SECOND)

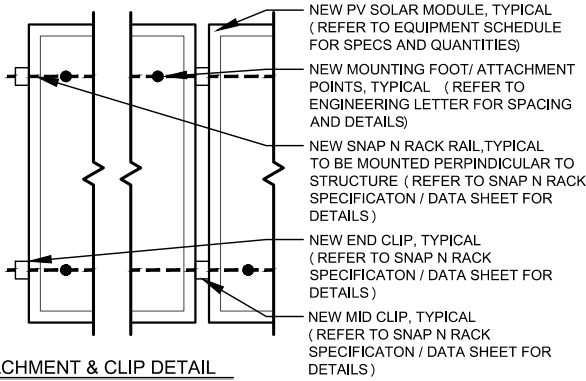
#### ABBREVIATIONS CONTINUED

JB	JUNCTION BOX
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILO-VOLT AMPERE
KW	KILO-WATT
KWH	KILO-WATT HOUR
L	LINE
MCB	MAIN CIRCUIT BREAKER
MDP	MAIN DISTRIBUTION PANEL
MLO	MAIN LUG ONLY
MTD	MOUNTED
MTG	MOUNTING
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NO #	NUMBER
NTS	NOT TO SCALE
OCp	OVER CURRENT PROTECTION
P	POLE
PB	PULL BOX
PH Ø	PHASE
PVC	POLY-VINYL CHLORIDE CONDUIT
PWR	POWER
QTY	QUANTITY
RGS	RIGID GALVANIZED STEEL
SN	SOLID NEUTRAL
JSWBD	SWITCHBOARD
TYP	TYPICAL
U.O.I.	UNLESS OTHERWISE INDICATED
WP	WEATHERPROOF
XFMR	TRANSFORMER
+72	MOUNT 72 INCHES TO BOTTOM OF ABOVE FINISHED FLOOR OR GRADE

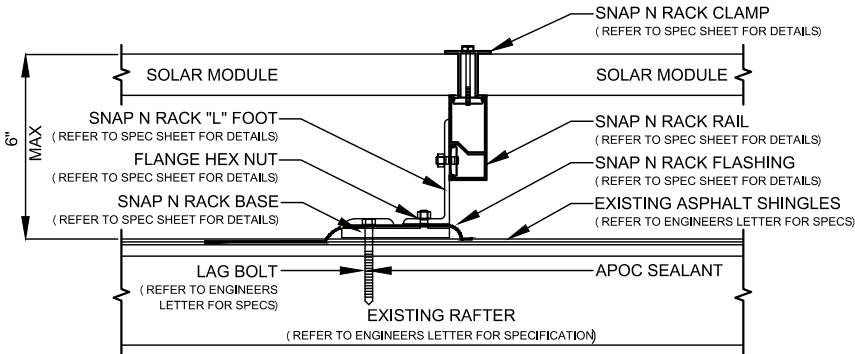
#### SHEET INDEX

- PV-1 COVER SHEET W/ SITE INFO & NOTES  
PV-2 ROOF PLAN W/ MODULE LOCATIONS  
PV-3 ELECTRICAL 3 LINE DIAGRAM  
AP APPENDIX

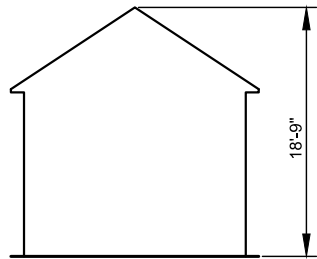
NOTES : \*REFER TO MODULE SPECS FOR ACTUAL MODULE DIMENSIONS  
\*DEPICTED MODULES MAY BE PORTRAIT OR LANDSCAPE



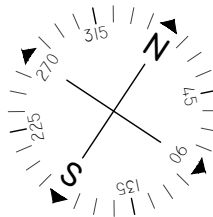
ATTACHMENT & CLIP DETAIL  
SCALE: NOT TO SCALE



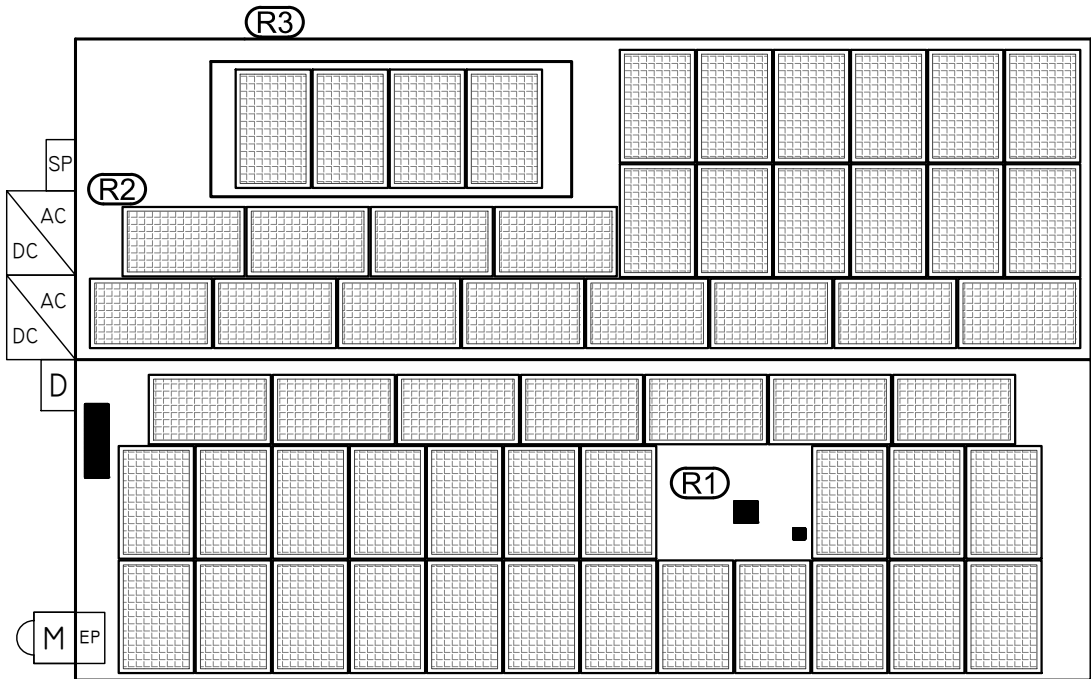
PV MODULE ATTACHMENT ON ASPHALT SHINGLE ROOF  
SCALE: NOT TO SCALE



HEIGHT FROM GROUND LEVEL TO PEAK OF ROOF  
SCALE: NOT TO SCALE

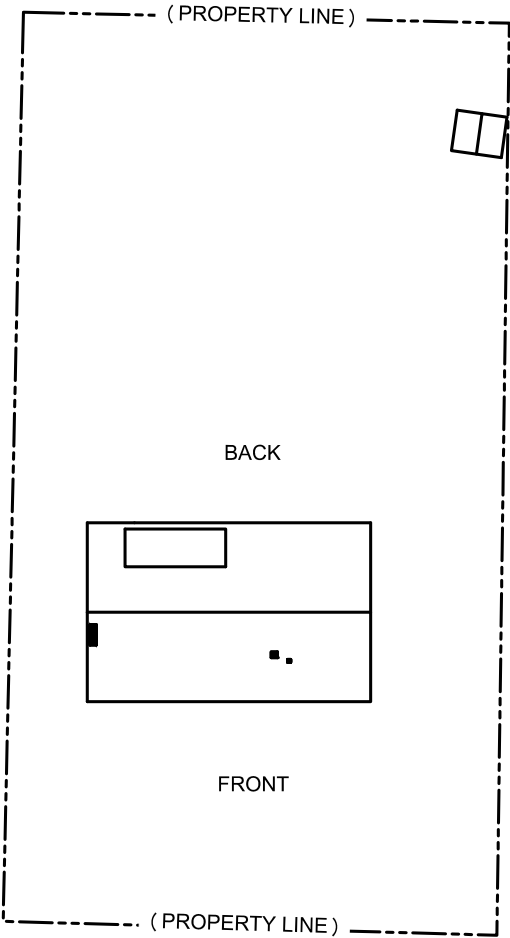


BACK



FRONT

BACK



FRONT

NOTES:

- 1.) ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- 2.) ARRAY BONDING TO COMPLY WITH MANUFACTURER SPECIFICATION.
- 3.) ALL LOCATIONS ARE APPROXIMATE AND REQUIRE FIELD VERIFICATION.
- 4.) AN AC DISCONNECT SHALL BE GROUPED WITH INVERTER ( S ) NEC 690.13 ( E ) .
- 5.) ALL OUTDOOR EQUIPMENT SHALL BE RAIN TIGHT WITH MINIMUM NEMA 3R RATING.
- 6.) ROOFTOP SOLAR INSTALLATION ONLY PV ARRAY SHALL NOT EXTEND BEYOND THE EXISTING ROOF EDGE.

ARRAY SCHEDULE

SYMBOL LEGEND

R1 ARRAY ORIENTATION = 147° MODULE PITCH = 22°	(R1)	INDICATES ROOF DESIGNATION . REFER TO ARRAY SCHEDULE FOR MORE INFORMATION	(UD)	INDICATES NEW UNFUSED UTILITY DISCONNECT TO BE INSTALLED OUTSIDE	(SP)	INDICATES NEW PV ONLY SUBPANEL TO BE INSTALLED
R2 ARRAY ORIENTATION = 327° MODULE PITCH = 21°	(M)	INDICATES EXISTING METER LOCATION	(P)	INDICATES NEW PV SOLAR MODULE. RED MODULES INDICATE PANELS THAT USE MICRO INVERTERS. REFER TO EQUIPMENT SCHEDULE FOR SPECS.		
R3 ARRAY ORIENTATION = 327° MODULE PITCH = 14°	(EP)	INDICATES EXISTING ELECTRICAL PANEL LOCATION: INSIDE	(P)	INDICATES NEW PRODUCTION METER TO BE INSTALLED OUTSIDE.		
	(D)	INDICATES NEW FUSED PV DISCONNECT TO BE INSTALLED INSIDE	(DC/AC)	INDICATES NEW INVERTER TO BE INSTALLED OUTSIDE. REFER TO EQUIPMENT SCHEDULE FOR SPECS.		

PLUMBING SCHEDULE

EQUIPMENT SCHEDULE

QTY	SPEC #
57	HANWHA 295 (Q.PEAK-BLK G4.1 295)
1	SE10000A-US000NNR2
1	SE3000H-US000NNC2

OTHER OBSTRUCTIONS

Issued / Revisions

NO.	DESCRIPTION	DATE
A1	AS BUILT	7/19/2018
P1	ISSUED TO TOWNSHIP FOR PERMIT	4/17/2018

Project Title:

TASSIS, GRIGORIOS  
TRINITY ACCT #: 2018-04-247848

Project Address:

54 DRISCOLL DRIVE  
UNCASVILLE, CT 06382  
41.471978,-72.082683

Drawing Title:

AS BUILT PV SOLAR SYSTEM

Drawing Information

DRAWING DATE:	4/17/2018
DRAWN BY:	IG
REVISED BY:	JWS

System Information:

DC SYSTEM SIZE:	16.815kW
AC SYSTEM SIZE:	13kW
TOTAL MODULE COUNT:	57
MODULES USED:	HANWHA 295
MODULE SPEC #:	Q.PEAK-BLK G4.1 295
UTILITY COMPANY:	EVERSOURCE
UTILITY ACCT #:	51521638072
UTILITY METER #:	885726962
DEAL TYPE:	SUNNOVA

Rev. No.

A1

Sheet

PV - 2



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ARRAY CIRCUIT WIRING NOTES

1.) LICENSED ELECTRICIAN ASSUMES ALL RESPONSIBILITY FOR DETERMINING ONSITE CONDITIONS AND EXECUTING INSTALLATION IN ACCORDANCE WITH NEC 2014

2.) LOWEST EXPECTED AMBIENT TEMPERATURE BASED ON ASHRAE MINIMUM MEAN EXTREME DRY BULB TEMPERATURE FOR ASHRAE LOCATION MOST SIMILAR TO INSTALLATION LOCATION. LOWEST EXPECTED AMBIENT TEMP = -16°C

3.) HIGHEST CONTINUOUS AMBIENT TEMPERATURE BASED ON ASHRAE HIGHEST MONTH 2% DRY BULB TEMPERATURE FOR ASHRAE LOCATION MOST SIMILAR TO INSTALLATION LOCATION. HIGHEST CONTINUOUS TEMP = 33°C

4.) 2005 ASHRAE FUNDAMENTALS 2% DESIGN TEMPERATURES DO NOT EXCEED 47°C IN THE UNITED STATES (PALM SPRINGS, CA IS 44.1°C). FOR LESS THAN 9 CURRENT-CARRYING CONDUCTORS IN A ROOF-MOUNTED SUNLIT CONDUIT AT LEAST 0.5" ABOVE ROOF AND USING THE OUTDOOR DESIGN TEMPERATURE OF 47°C OR LESS (ALL OF UNITED STATES)

5.) PV SYSTEM CIRCUITS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID SHUTDOWN FUNCTION THAT CONTROLS SPECIFIC CONDUCTORS IN ACCORDANCE WITH NEC 690.12(1) THROUGH (5)

6.) PHOTOVOLTAIC POWER SYSTEMS SHALL BE PERMITTED TO OPERATE WITH UNGROUNDED PHOTOVOLTAIC SOURCE AND OUTPUT CIRCUIT AS PER NEC 690.35

7.) UNGROUNDED DC CIRCUIT CONDUCTORS SHALL BE IDENTIFIED WITH THE FOLLOWING OUTER FINISH: POSITIVE CONDUCTORS = RED NEGATIVE CONDUCTORS = BLACK NEC 210.5(C)(2)

8.) ARRAY AND SUB ARRAY CONDUCTORS SHALL BE #10 PV WIRE TYPE RHW-2 OR EQUIVELANT AND SHALL BE PROTECTED BY CONDUIT WHERE EXPOSED TO DIRECT SUNLIGHT. SUB ARRAY CONDUIT LONGER THAN 24" SHALL CONTAIN ≤ 20 CURRENT CARRYING CONDUCTORS AND WHERE EXPOSED TO DIRECT SUNLIGHT SHALL CONTAIN ≤ 9 CURRENT CARRYING CONDUCTORS.

9.) ALL WIRE LENGTHS SHALL BE LESS THAN 100' UNLESS OTHERWISE NOTED

10.) FLEXIBLE CONDUIT SHALL NOT BE INSTALLED ON ROOFTOP AND SHALL BE LIMITED TO 12" IF USED OUTDOORS

11.) OVERCURRENT PROTECTION FOR CONDUCTORS CONNECTED TO THE SUPPLY SIDE OF A SERVICE SHALL BE LOCATED WITHIN 10' OF THE POINT OF CONNECTION NEC 705.31

12.) WHERE TWO SOURCES FEED A BUSSBAR, ONE A UTILITY AND THE OTHER AN INVERTER, PV BACKFEED BREAKER(S) SHALL BE LOCATED OPPOSITE FROM UTILITY NEC 705.12(D)(2)(3)(b)

13.) ALL SOLAR SYSTEM LOAD CENTERS TO CONTAIN ONLY GENERATION CIRCUITS AND NO UNUSED POSITIONS OR LOADS

14.) ALL EQUIPMENT INSTALLED OUTDOORS SHALL HAVE A NEMA 3R RATING

CALCULATIONS FOR CURRENT CARRYING CONDUCTORS  
REQUIRED CONDUCTOR AMPACITY PER STRING  
[NEC 690.8(B)(1)]: (15.00\*1.25)1 = 18.75A

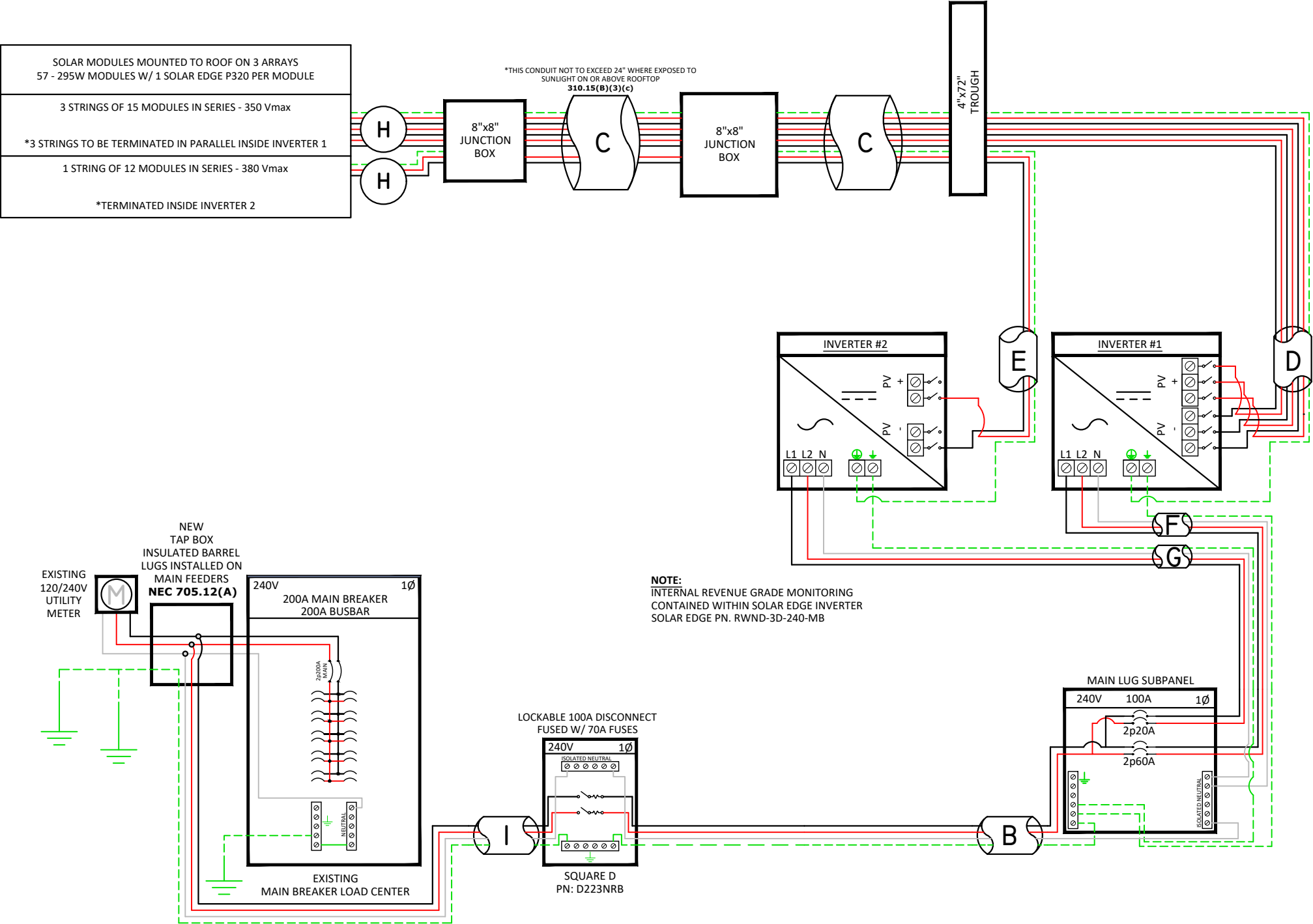
AWG #10, DERATED AMPACITY  
AMBIENT TEMP: 33°C, TEMP DERATING FACTOR: .96  
RACEWAY DERATING = 8 CCC: 0.70  
(40\*.96)0.70 = 26.88A

26.88A ≥ 18.75A, THEREFORE WIRE SIZE IS VALID  
TOTAL AC REQUIRED CONDUCTOR AMPACITY  
54.50A\*1.25 = 68.13A

AWG #4, DERATED AMPACITY  
AMBIENT TEMP: 30°C, TEMP DERATING: 1.0  
RACEWAY DERATING ≤ 3 CCC: N/A  
95A\*1.0 = 95A

95A ≥ 68.13A, THEREFORE AC WIRE SIZE IS VALID

CALCULATION FOR PV OVERCURRENT PROTECTION  
TOTAL INVERTER CURRENT: 54.50A  
54.50A\*1.25 = 68.13A  
--> 70A OVERCURRENT PROTECTION IS VALID



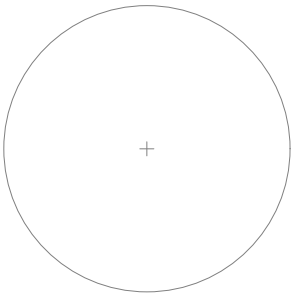
PV MODULE SPECIFICATIONS	
HANWHA 295 (Q.PEAK-BLK G4.1 295)	
Imp	9.17
Vmp	32.19
Voc	39.48
Isc	9.7

INVERTER #1 - SE10000A-US000NNR2				INVERTER #2 - SE3000H-US000NNC2			
DC		AC		DC		AC	
Imp	30.5	Pout	10000	Imp	8.5	Pout	3000
Vmp	350	Imax	42	Vmp	380	Imax	12.5
Voc	500	OCPDmin	52.5	Voc	480	OCPDmin	15.625
Isc	45	Vnom	240	Isc	15	Vnom	240

NOTE: CONDUIT TYPE SHALL BE CHOSEN BY THE INSTALLATION CONTRACTOR TO MEET OR EXCEED NEC AND LOCAL AHJD REQUIREMENTS

A	#6 THWN-2 GEC TO EXISTING GROUND ROD	G	1" CONDUIT W/ 2-#10 THWN-2, 1-#10 THWN-2, 1-#10 THWN-2 GROUND
B	1" CONDUIT W/ 2-#4 THWN-2, 1-#8 THWN-2, 1-#8THWN-2 GROUND	H	#10 PV WIRE (FREE AIR) W/ #8 BARE COPPER BOND TO ARRAY
C	1" CONDUIT W/ 8-#10 THWN-2, 1-#10 THWN-2 GROUND	I	1" CONDUIT W/ 2-#4 THWN-2, 1-#4 THWN-2, 1-#8 THWN-2 GROUND
D	1" CONDUIT W/ 6-#10 THWN-2, 1-#10 THWN-2 GROUND		
E	1" CONDUIT W/ 2-#10 THWN-2, 1-#10 THWN-2 GROUND		
F	1" CONDUIT W/ 2-#6 THWN-2, 1-#10 THWN-2, 1-#10 THWN-2 GROUND		

Engineer / License Holder:



Issued / Revisions

A1	AS BUILT	7/19/2018
P1	ISSUED TO TOWNSHIP FOR PERMIT	4/17/2018
NO.	DESCRIPTION	DATE

Project Title:

TASSIS, GRIGORIOS

TRINITY ACCT #: 2018-04-247848

Project Address:

54 DRISCOLL DRIVE  
UNCASVILLE, CT 06382  
41.471978,-72.082683

Drawing Title:

AS BUILT PV SOLAR SYSTEM

Drawing Information

DRAWING DATE:	4/17/2018
DRAWN BY:	IG
REVISED BY:	JWS

System Information:

DC SYSTEM SIZE:	16.815kW
AC SYSTEM SIZE:	13kW
TOTAL MODULE COUNT:	57
MODULES USED:	HANWHA 295
MODULE SPEC #:	Q.PEAK-BLK G4.1 295
UTILITY COMPANY:	EVERSOURCE
UTILITY ACCT #:	51521638072
UTILITY METER #:	885726962
DEAL TYPE:	SUNNOVA

Rev. No.

A1

Sheet

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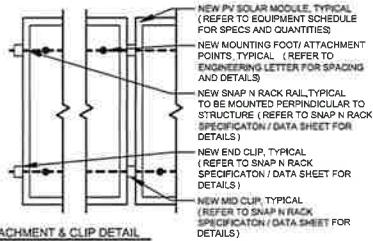


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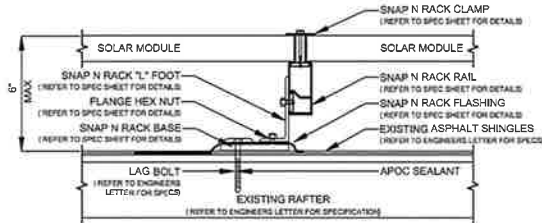
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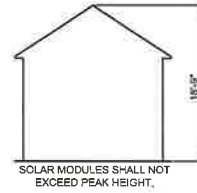
NOTES: \*REFER TO MODULE SPECS FOR ACTUAL MODULE DIMENSIONS  
\*DEFECTED MODULES MAY BE PORTRAIT OR LANDSCAPE



ATTACHMENT & CLIP DETAIL  
SCALE: NOT TO SCALE



PV MODULE ATTACHMENT ON ASPHALT SHINGLE ROOF  
SCALE: NOT TO SCALE



HEIGHT FROM GROUND LEVEL TO PEAK OF ROOF  
SCALE: NOT TO SCALE



#### Issued / Revisions

NO.	DESCRIPTION	DATE
1	ISSUED TO TOWNWORK FOR PERMIT	4/17/2018

#### Project Title:

TASSIS, GRIGORIOS  
TRINITY ACCT #: 2018-04-247848

#### Project Address:

54 DRISCOLL DRIVE  
UNCASVILLE, CT 06382  
41.471978,-72.082683

#### Drawing Title:

PROPOSED PV SOLAR SYSTEM

#### Drawing Information

DRAWING DATE: 4/17/2018  
DRAWN BY: IG  
REVISED BY:

#### System Information:

DC SYSTEM SIZE: 16.815kW  
AC SYSTEM SIZE: 13kW  
TOTAL MODULE COUNT: 57  
MODULES USED: HANWHA 295 ✓  
MODULE SPEC #: 0 PEAK-BLK G4.1 295  
UTILITY COMPANY: EVERSOURCE  
UTILITY ACCT #: 51521638072  
UTILITY METER #: 885726662  
DEAL TYPE: SUNNOVA

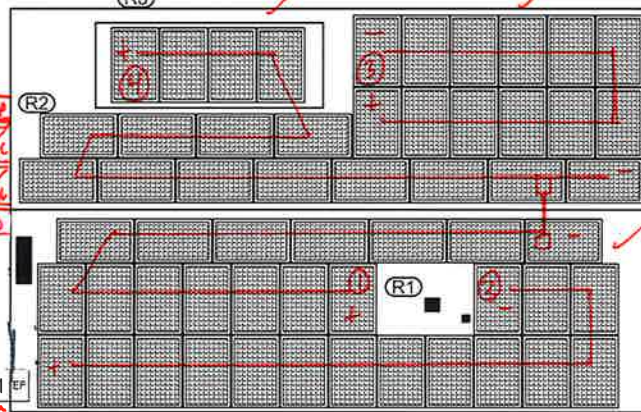
#### Rev. No.

P1

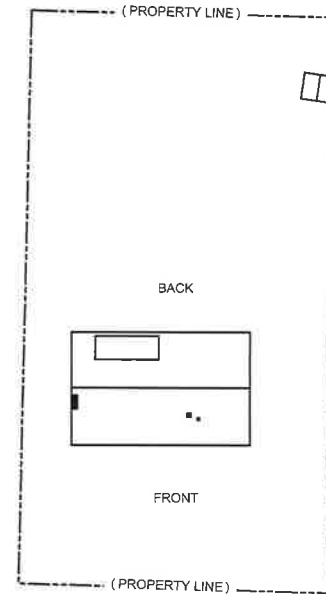
#### Sheet

PV - 2

### DROP ZONE AREA



FRONT



FRONT

#### NOTES:

1. ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. ARRAY BONDING TO COMPLY WITH MANUFACTURER SPECIFICATION.
3. ALL LOCATIONS ARE APPROXIMATE AND REQUIRE FIELD VERIFICATION.
4. AN AC DISCONNECT SHALL BE GROUPED WITH INVERTER (S) NEC 690.13 (E).
5. ALL OUTDOOR EQUIPMENT SHALL BE RAIN TIGHT WITH MINIMUM NEMA 3R RATING.
6. ROOFTOP SOLAR INSTALLATION ONLY PV ARRAY SHALL NOT EXTEND BEYOND THE EXISTING ROOF EDGE.

#### ARRAY SCHEDULE

R1  
ARRAY ORIENTATION = 147°  
MODULE PITCH = 32° ✓  
R2  
ARRAY ORIENTATION = 327°  
MODULE PITCH = 21° ✓  
R3  
ARRAY ORIENTATION = 327°  
MODULE PITCH = 14° ✓

#### SYMBOL LEGEND

(R1)	INDICATES ROOF DESIGNATION. REFER TO ARRAY SCHEDULE FOR MORE INFORMATION	(UD)	INDICATES NEW UNFUSED UTILITY DISCONNECT TO BE INSTALLED OUTSIDE	(SP)	INDICATES NEW PV ONLY SUBPANEL TO BE INSTALLED
(M)	INDICATES EXISTING METER LOCATION	(P)	INDICATES NEW PV SOLAR MODULE. RED MODULES INDICATE PANELS THAT USE MICRO INVERTERS. REFER TO EQUIPMENT SCHEDULE FOR SPECS.		
(EP)	INDICATES EXISTING ELECTRICAL PANEL LOCATION: INSIDE	(P)	INDICATES NEW PRODUCTION METER TO BE INSTALLED OUTSIDE		
(D)	INDICATES NEW FUSED PV DISCONNECT TO BE INSTALLED INSIDE	(DC/AC)	INDICATES NEW INVERTER TO BE INSTALLED OUTSIDE. REFER TO EQUIPMENT SCHEDULE FOR SPECS.		

#### PLUMBING SCHEDULE

OTHER OBSTRUCTIONS

#### EQUIPMENT SCHEDULE

QTY	SPEC #
57	HANWHA 295 (0 PEAK-BLK G4.1 295) ✓
1	SEB30000A-4000000000000000 ✓
1	SEB3000H-US0000NNC2 ✓



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