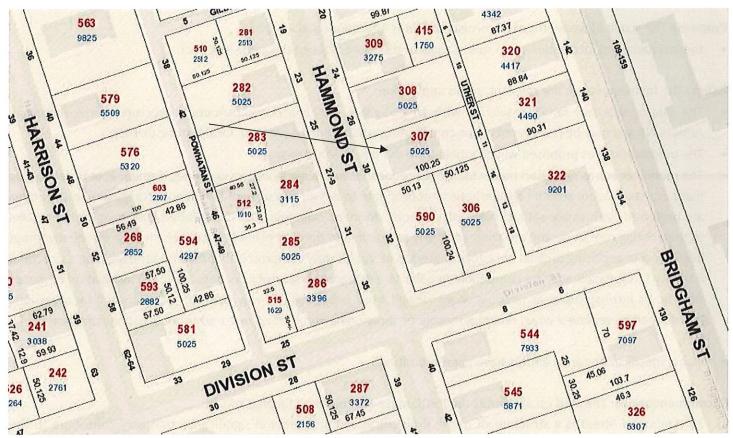
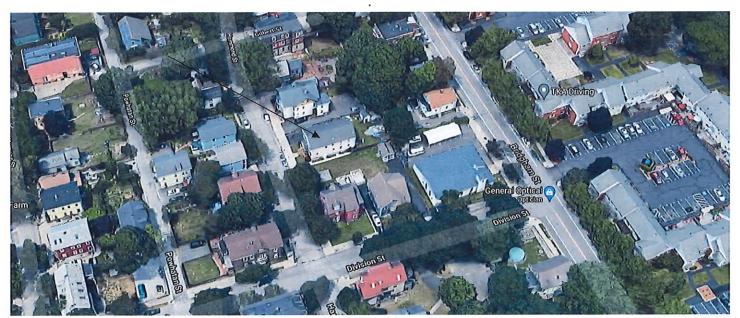
4. CASE 21.082, 30 HAMMOND STREET, House, 2004 (ARMORY) NON-CONTRIBUTING to Broadway/Armory NR



Arrow indicates 30 Hammond Street



Arrow indicates project location, looking north.

ROOF MOUNTED PV SOLAR SYSTEM INSTALLATION OF NEW 30 HAMMOND STREET PROVIDENCE, RI 02909



PROFESSIONAL ENGINEER

6-15-2021

REGISTERED

Issued / Revisions

EXP. 06/30/2023

8 0

NICOLAS NITTI

HAMMOND STREET •





- THE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL FOI IIPMENT AND FOLLOWING ALL
- DIRECTIONS AND DETROCTION AND DETROCTIONS AND DETROCTIONS AND DETROCTIONS AND DETROCTIONS AND DETROCTIONS AND DETROCTIONS AND DETROCTION AND

 - ATEGUS TO IS TOS.

 APRICA, TO THE MESTALLATION OF THIS PHOTONOLITAGE SYSTEM, THE MESTALLATION OF THIS SYSTEM THE MESTALLATION OF THE MESTALLATION APPECABURES, SCHEDULES, SAFETY AND APPECABURES, SCHEDULES, SCHEDULES

CONTRACTOR SPIGILL PAWE A MINIMAN OF ONE ELECTRICAN WHO HAS ATTENDED A SOLAR PHOTOYOC'TAC INSTALATION COURSE ON SITE.

OF REACTETY, IT IS RECOMMENDED THAT THE RESTALATION CREW ALMAYS HAVE A MINIMAN OF TWO PERSONS WORKING TOGETHER AND THAT EACH OF THE STALATION CREW ALMAYS HAVE A MINIMAN OFF.

OF RESTALATION CREW ALMAYS HAVE A MINIMAN OFF.

ONATION OF THE WATOMAL COOK MINIMAN SUPERSONS IT WATOMAL COOK MINIMAN SUPERSONS THE NATIONAL COOKERN AND COOKERN.

COVERN.

ALL SYSTEM COMPONENTS TO BE NISTALLED WITH THIS SYSTEM ARE TO BE "UL" LISTED, ALL EQUIPMENT WILL BE NEMA ON OUTDOOR RATED UNLESS INDOORS.

- AWWS PRESENT AT THE DO DESCONMENT PANELS IS AWWS PRESENT AT THE DO DESCONMENT FRANCISER AND THE DO TERMINALS OF THE NUMERICAL CHARMO DAYLIGHT HOURS, ALL PRESONS WORKING ON OR HOUNGLES WITH THE PHOTOCOLTAIC SYSTEM ARE WERNED THAT THE SOLAR BECAUSED WHENEVER THEY ARE EXPOSED TO LIGHT SOLAR AND PROTOCOLTAIC SYSTEM SHALL BE AND POSITIONS OF THIS SOLAR AND POSITIONS OF THIS SOLAR AND POSITIONS OF THIS SOLAR BECAUSED WITHOUT AND POSITIONS OF THIS SOLAR BECAUSE OF THIS SOLAR BECAUSE OF THIS SOLAR BECAUSE OF THIS SOLAR BEAUTIONS OF THIS

- CODRIGINATION.

 PROPORTO TO THE SYSTEM SYNATT UP THE MISTALLATION CONTRACTOR SHALL ASSIST IN PERFENDING ALL INITIAL AND TELEPHONE UTILITIES AND ESCALIFOR PROPOSED ELECTRIC AND TELEPHONE UTILITIES AND ESCALIFORM AND TELEPHONE UTILITIES AND AND TELEPHONE UTILITIES AND AND TELEPHONE AND THE SITE IMPROVINCIENTS OF THE SITE IMP

4.4. BI CLERENT PREVALING UTILITY COMPANY PRIFECTATIONS STANDARDS, AND REQUIREMENTS IN THIS STOP FANAS HAVE BEEN PREPARED FOR THE PAPROSED OF MUNICIPAL AND AGENCY REVIEW AND APROVAL, ONCE APPROVAL, O

JB JUNCTION BOX
KCMIL THOUSAND CIRCULAR MILS
KVA KILD-VOLT AMPERE
KW KILD-WATT
KWH KILD-WATT HOUR

MAIN CIRCUIT BREAKER
MAIN DISTRIBUTION PANEL
MAIN LUG ONLY
MOUNTIED
MOUNTING
MOUNTING
NEUTRAL

THE TANKED THE BREAKER
MAD MAN LIC ONLY
MTD MOUNTING
NEUTRAL CODE
NO MATONAL ELECTRICAL CODE
NO MATONAL ELECTRICAL CODE
NO MATONAL ELECTRICAL CODE
NO MATONAL ELECTRICAL CODE
NO MATONAL ELECTRICAL
SUM DELL'EMPA
PAGE PROCES
TYPICAL
SWED SWITCHEDORD
TYPICAL
SWED SWITCHEDORD
TYPICAL
SWED SWITCHEDORD
TYPICAL
SWED SWITCHEDORD
TO TANKE TANKE NOICATED
WE MELTHERROOF
TO MOUNT EN NOI-ES TO BOTTOM
OF MOUNT EN NOI-ES TO BOTTOM

- ALTERNATING CURRENT
- AMP. FRAME
 ABOVE FINISHED FLOOR
 ABOVE FINISHED GRADE
 AMERICAN WIRE CAUGE
 CONDUIT (GENERIC TERM OF
 RACEWAY, PROVIDE AS
- SPECIFICA SPECIFICA COMMINER BOX CINCUIT TRANSFORMER COPER IN TRANSFORMER CHECTROCH WITCHLICTURING CRECTROCH WITCHLICTURING FUSIEL SWITCH
- CROUND FAULT INTERRUPTER FREQUENCY (CYCLES PER SECOND)

SHEET INDEX

- PV-2 **ROOF PLAN W/ MODULE LOCATIONS**
- SITE PLAN
- ELECTRICAL 3 LINE DIAGRAM APPENDIX

PV-1 COVER SHEET W/ SITE INFO & NOTES

Drawing Title:

PROPOSED PV SOLAR SYSTEM

Project Address:

TRINITY ACCT #: 2021-03-566671

BROWN, GREGORY-

DESCRIPTION

30 HAMMOND STREET PROVIDENCE, RI 02909 41.8155237,-71.428474

MODULE SPEC #: UTILITY COMPANY: UTILITY ACCT #: UTILITY METER #: DEAL TYPE: AC SYSTEM SIZE: TOTAL MODULE COUNT: MODULES USED: Drawing Information HANWHA 340 QPEAK DUO BLK-G6+ NAT'L GRID 8930829000 98766152 SUNNOVA 4/23/2021 KTD DMR

ט	Rev. No.	
0	Sheet	

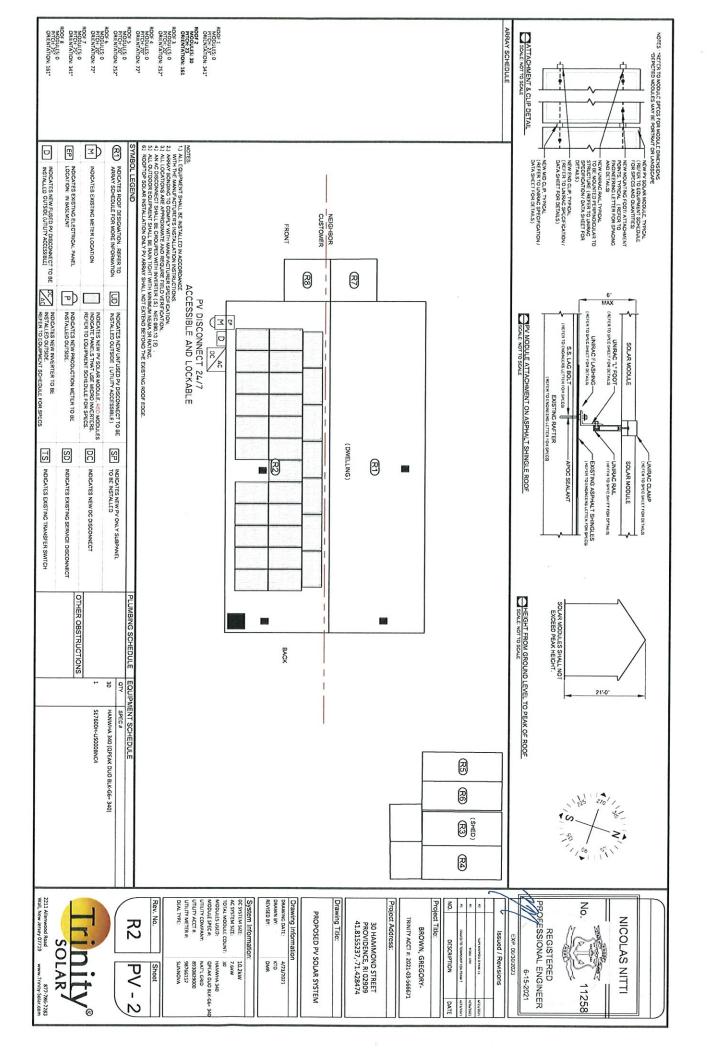
2
P
1

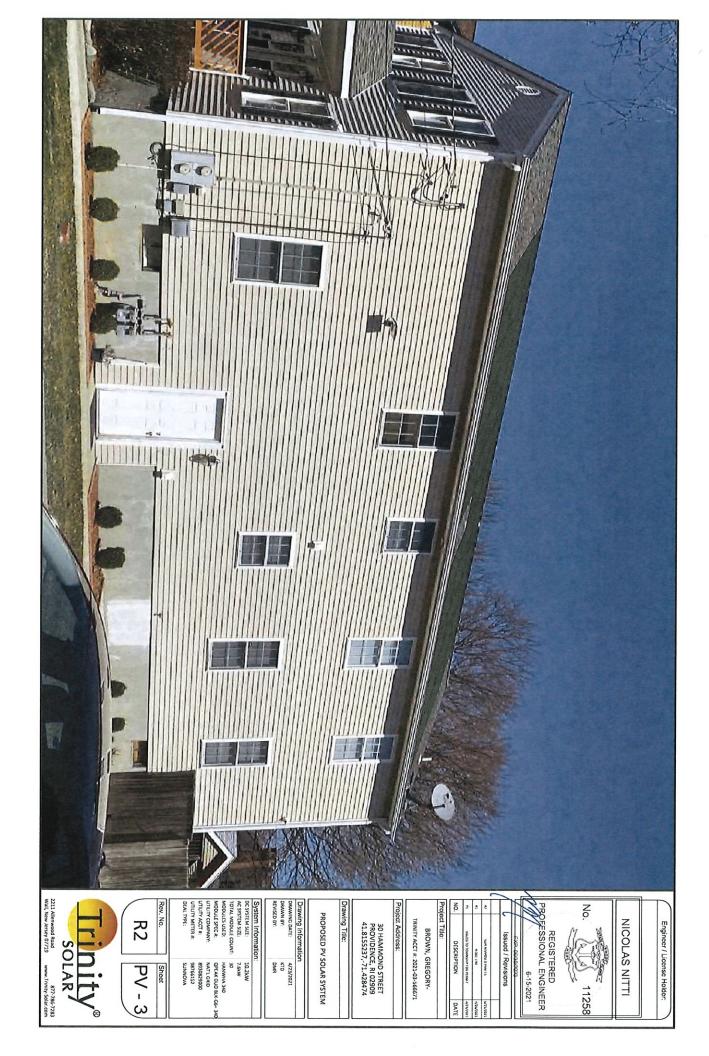




2211 Allenwood Road 877-786-7283
Wall, New Jersey 07719 www.Trinity-Solar.com

F ISSUED DRAWING IS MARKED WITH A REVISION CHARACTER OTHER THAN "A", PLEASE BE ADVISED THAT FINAL EQUIPMENT ANDIOR SYSTEM CHARACTERISTICS ARE SUBJECT TO CHANGE DUE TO AVAILABILITY OF EQUIPMENT





ARRAY CIRCUIT WIRING NOTES
1.) IUCENSES DELECTRICIAN ASSUMES ALL RESPONSIBILITY
FOR DETERMINING ONSITE CONDITIONS AND
EXECUTING INSTALLATION IN ACCORDANCE WITH
NEC 2017

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

*2 STRINGS TO BE TERMINATED IN PARALLEL INSIDE INVERTER 1

(E)

BOX BOX

Engineer / License Holder:

SOLAR MODULES MOUNTED TO ROOF ON 1 ARRAY
- 340W MODULES W/ 1 SOLAR EDGE P340 PER MODULE
15 ADC MAX PER STRING 2 STRINGS OF 15 MODULES IN SERIES - 400 Vmax

3.1 HIGHEST CONTINUOUS AMBIENT TEMPERATURE BASED ON ASHACE HIGHEST MONTH 7.8. DRY BULB TEMPERATURE FOR ASHRAE LOCATION MOST SIMILAR TO INSTALLATION LOCATION. HIGHEST CONTINUOUS TEMP = 33°C

(ALL DOS ANHARE FUNDAMENTAL 2% DESCRI TEMBERATURES DO NOT DECEDATE IN HIS UNITED STATES PANA PRINCIS, CALS 644,1°C, I DONESS THAN 9 CURREDT CARRYING CONDUCTIONS IN A MODE-MOUNTED THE DUTDORN DESCRI TEMPENATURE OF 47°C ON LESS

S, PY SYSTEM CIRCUITS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID SHUTDOWN FUNCTION THAT CONTROLS SPECIFIC CONDUCTORS IN ACCORDANCE WITH NEC 690.12(A) THROUGH (D)

7.) UNGROUNDED DE CIRCUIT CONDUCTORS SHALL BE IDENTIFIED MITH THE FOLLOWING OUTER FINISH: POSITIVE CONDUCTORS = RED NEGATIVE CONDUCTORS = BLACK 6.) PHOTOVOLTAIC POWER SYSTEMS SHALL BE PERMITTED TO OPERATE WITH UNGROUNDED PHOTOVOLTAIC SOURCE AND OUTPUT CIRCUIT AS PER NEC 690.41 (A)(4)

10 120/240V UTILITY METER

240V

100A MAIN BREAKER 100A BUSBAR

NOTE:
INTERNAL REVENUE GRADE MONITORING
CONTAINED WITHIN SOLAR EDGE INVERTER
SOLAR EDGE PN. RWND-3D-240-MB

IS, JREAN, AND SUB ARRAY CONDUCTORS SHALL BE FID PY WRIE TIPE, RHVE 2.08 EQUINELANT AND SHALL BE FID PY REPORTED SHALL BE SHORTED SHALL BE SHALL BE SHALL BE SHALL BE SHALL SHARLY COMBUTTOS AND SHALL BE SHALL SH

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

.. JOVERCURRENT PROTECTION FOR CONDUCTORS
DINNECTED TO THE SUPPLY SIDE OF A SERVICE SHALL BE
CCATED WITHIN 10' OF THE POINT OF CONNECTION NEC

12.1 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(B)(2)(3)(b)

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

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

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

30.72A - 18.75A, THEREFORE WIRE SIZE IS VALID

TOTAL AC REQUIRED CONDUCTOR AMPACITY 32.00A*1.25 = 40.00A

AWG #8, DERATED AMPACITY
AMBIENT TEMP: 30°C, TEMP DERATING: 1.0
RACCIVARY DERATING: 3 CCC: N/A
SSA*1.0 = SSA

CALCULATION FOR PV OVERCURRENT PROTECTION

30

OCPDmin 40 Vnom 240

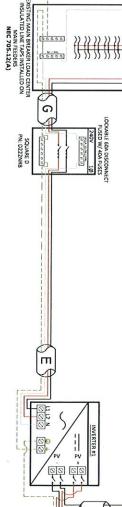
00.*1.25 = 40.00A 40.0 OVERCURRENT PROTECTION IS VALID

SSA 40.00A, THEREFORE AC WIRE SIZE IS VALID

AWG #10, DERATED AMPACITY
AMBIENT TEMP: 33°C, TEMP DERATING FACTOR: .96
RACEWAY DERATING - 4 CCC: 0.80
(40°-.96)0.80 = 30.72A

V m in o

oc oc	Ū		HANWHA 340	PV MOD	
40.66	33.94	10.2	HANWHA 340 (QPEAK DUO BLK-G6+ 340)	MODULE SPECIFICATIONS	



,		10.52		
	INVERTER #1 - SE7600H-US000BNC4	E7600H-US0	DOBNC4	
	DC		AC	
ďω	20	Pout	7600	
νmp	400	lmax	32	

=	6
Ŧ	5
Ŧ	12
Ž	NST A
Ž	NSTAL
No.	NSTAL
NA.	NSTALL
NAME OF	NSTALL
KTREN.	NSTALLA
N. P.	NSTALLAT
RENEW	NSTALLATI
NAME OF	NSTALLATH
N N N N N N N N N N N N N N N N N N N	NSTALLATIO
NIN TANA	NSTALLATION
K-MFNTA	NSTALLATION
REMENTS	NSTALLATION
REMENTS	NSTALLATION O
REMENTS	NSTALLATION C
REMENTS	NSTALLATION CO
K-MFNTS	NSTALLATION CO
REMENTS.	NSTALLATION CON
REMENTS	NSTALLATION CON
REMENTS	NSTALLATION CONT
RENEW TO	NSTALLATION CONTI
REMENTS	NSTALLATION CONTH
REMENTS	NSTALLATION CONTRA
REMENTS	NSTALLATION CONTRA
KIMENIA	NSTALLATION CONTRAC
REMENTS.	NSTALLATION CONTRAC
KINENIS	NSTALLATION CONTRACT
KIMIN	NSTALLATION CONTRACTO
REMENTS	NSTALLATION CONTRACTO
KIMINTS	NSTALLATION CONTRACTOR
KIMININ	NSTALLATION CONTRACTOR
KIMININ	NSTALLATION CONTRACTOR

Rev. No. R2

PV -

>	
#6 THWN-2 GEC TO EXISTING GROUND ROD	

	>
	#6 THWN-2 GEC TO EXISTING GROUND ROD
- 1	

D 3/4" CON	
DUIT W/ 4-#10 T	
HWN-2, 1-#10	
D 3/4" CONDUIT W/ 4-#10 THWN-2, 1-#10 THWN-2 GROUND	

	Γ,
	Ľ
E 3/4" CONDUIT W/ 2-#8 THWN-2, 1-#10 THWN-2, 1-#10 THWN-	2
0	L
2	Ľ
5	l
7	l
5	ŀ
ž	1
7	13
₹	ı
2.	
+	1
#10	l
7	1
ŝ	1
ž	1
T	1
10	Ì
로	ľ
٤	ľ
*	

	E 3/4" CONDUIT W/ 2-#8 THWN-2, 1-#10 THWN-2, 1-#10 THWN-2 GROUND
	S.
	ž
	5
	3
1	1 2
	#
	7
1	1
	5
	7
	100
	₹
	\$
П	Ñ
	T
П	100
	로
	Ş
	ñ
1	ž.
	2
1	8
- 1	

3/4" CONDUIT W/ 2-#6 THWN-2, 1-#6 THWN-2, 1-#8 THWN-2 GROUND

2211 Allenwood Road 877-786-7283
Wall, New Jersey 07719 www.Trinity-Solar.com

SOLAR

٠	m
#10 PV WIRE (EREE AIR) W/ #5 BARE CORRER BOND TO ARRAY	E 3/4" CONDUIT W/ 2-#8 THWN-2, 1-#10 THWN-2, 1-#10 THWN
5	4
ξ	8
2	8
	=
9	8
n	2
9	#
٤	로
1	ž
B	i
99	1
3	8
90	3
9	ž
٥	'n
5	I
5	6
200	포
š	ş

System Information: System Information: DC SYSTEM SEE: TOTAL MODILE COUNT: MODILES VISE: MO	matic PV	Project Address: 30 HAMMOND PROVIDENCE, F 41.8155237,-77	AND DESCRIPTION Project Tillo: BROWN, GREGOR TRINITY ACCT IT. 2021-03-5	NO. REGISTERED PROFESSIONAL ENG. REGISTERED PROFESSIONAL ENG. FOR MACROSING. Based (Revision
C. 10.2kW 7.5kW 7.5kW 7.5kW 10.2kW 10	SOLAR SYSTEM n 4/23/2021 KTD DMR	ND STREET EE, RI 02909 ,-71.428474	Unable Vive state Vive st	COLAS NITTI 11258 REGISTERED SSIONAL ENGINEER 6-15-2021 LEUR ADMONTHS ISSUED A ROYSIONS ISSUED A ROYSION A ROYS



OCELIS

Engineered in Germany

THE IDEAL SOLUTION FOR:

rosiduntial outlangs

MECHANICAL SPECIFICATION

A THE STATE OF THE PARTY OF THE		
	COLD MC4, PSB	Consuctor
	2463 r (1150mm), (-) ::45.3 h (1150 r	Cable
	2.69-3.98 x 1.26-2.38 x 0.59-6 71 m (50.1161 x 32-60 x 15 16 mm), Production chastified, with expansio decides	Jungfaga Bay
C	8 × 20 monocrystalline GLANTUM upper harboulle	Cell
•	Breek anagewed wyminum	Franco
	Composite fun	Back Cover
	Aboreous includes the upiech	
	0.15(i) (3.2mm) marriedy pro-strusted glass	Front Cover
	43 9lbs (19 9kg)	Weight
March 1917 (1918)		
	68.5 × 40.6 × 1.76 in (including frame)	Format



ELECTRICAL CHARACTERISTICS

NINE STATE	POWER CLASS ANALYSIS ON STANDARD TISS CONCUROND STOLDOWER TO LETANDE TAWAYOR AND TAKEN TO STANDARD TO	ST CONCINC	No. STC-(POW	330	335	340	345
SINIS	MUM PERFORMANCE AT STANDARO T	OTTONO 153	MO STO-(POW	CE-/ WON-SCIENCE TO SE	A)		
ı							
	Fower at MPP	Par	iw)	330	395	040	345
e.	Short Circuit Current	7	E	10.41	10.47	1052	10.58
Maje L	Open Circuit Voltaçı»	V.	ব	\$7.07	40.41	40 66	40.92
ر ا ا	Curriat of MPP	Ę	F	16.8	258	\$0.02	10 07
f.	Voltago et (APP	٧	ঘ	25.50	33.62	33.94	34.88
	Efficiency	a a	136	18.4	×187	5.190	.193
201212	Winimum Performance at normal operating conditions, Image	TRADIO DIMITARI	MITONS, NEADL	,			
	Power at VIPP	Pun (97)	(Ψ.	2475	2502	254.0	2562
tim L	Shart Carcell Current	g"	Ä	#3D	8.43	8.48	4.52
-, 	Open Circuit Voltage	٧٠٠	ব	37 és.	36.10	3. 3. 3.	38.50
N	Current at New P	La se	Ŀ	780	2.54	687	2007
	Voluge ಚ MPP	٧	[V]	36.10	31.97	32.27	32 57
: Note:	ander Paris - 385, Ly Vy, et	1370 (DCC4)/m	3-70 MIL	etosidiny to if C 60504-3+3	ACESTAGES AND THE PARTY	7.2V S	
000	O CELLS PERFORMANCE WARRANTY				PERFORMANCE AT LOW IRRADIANCE	The state of the s	

Compression of the Compression o

TEMPERATURE COEFFICIENTS

All data within mediculational blorance set. Full want safeting a social party event the warranty learne of the QCELLS select organization of your respection powers.

At healthful of nominal power during out year. I have all the may, 2014 to dirg relation per year. At least \$2.2 a 3 hours are power up to 10 years. At least focus of nominal power up to 25 years.

compensation to CCC con an one (25 °C, 1000 Wint) .

PROPERTIES FOR SYSTEM DESIGN

P/2

1094 Tunpanturi Contliction of V. 80.0 - 10.

0.77

Meximum System Voltage V V	5	(10) 9cot/(CD)/dagt	EDDD((EC)/1000 (UL) FV module charterings	Class ii
Waximum Serios Foxe Rabing	MDCI	8		Y=2
Max Design Lood, Pach (Pall)	[45/30]		75 (2600Ph)) 55 (2687Ph) Permittud Module Temperature	-40% upin +185%
Was furthcad, Pash / Pull	(19/cd)]lbs/ft/] 113 (5400 ns), 84 (4000 Fs)	on Continuous Duty	(C+36+31dHO,DF·)

QUALIFICATIONS AND CERTIFICATES

PACKAGING INFORMATION

ကို ပြင်

1

APT MIL CONSUME ACCORDING TO INCOME 1000A-1,2005, IMMINOR IX (-1,510 VL.),1886). Sea data mass on teat for Europea recompution.

political de la companya a. Decembra a.











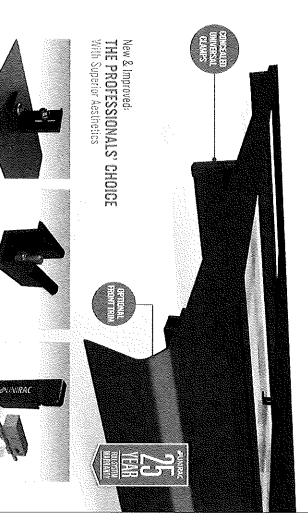




in de de de la compart de d A de la compart de la compa La compart de la compa

Hanerto O CELLA America Inc. 400 Concomi Comer Dines, Sules 1460 Trans. CA SCCSS, JCS | YCC +1 949 748 NO 96 | CMAIL includy Sinds-controlon I WES wonespecies of

only is SOLARMOUNT easy to install, but best-in-class aesthetics make it the most attractive on any blockl system is designed for an easier, faster installation experience. SOLARMOUNT is a complete solution with revolutionary universal clamps, FLASHKIT PRO. full system UL 2703 certification and 25-year warranty. Not SOLARMOUNT is the professionals' choice for residential PV mounting applications. Every aspect of the





NOW FEATURING FLASHKIT PRO
The Complete Roof Attachment Solution

NOW WITH UNIVERSAL MIDCLAMPS Accommadates 30mm-51mm module trames One tool, one-person installs are here!

REVOLUTIONARY NEW ENDCLAMPS Concealed design and included End Caps

натианы Д.Ексьбамеся Бойаг, певнопек

BEST INSTALLATION EXPERIENCE: CURBAPPEA - COMPLETESO LUTION - UNIRACSUPPORT

TRUST THE INDUSTRY'S BEST DESIGNTOOL
Shot the deaper process for every project on one U-Bridge anchor; design tool
U-Suprest rays for some land money.

ONE SYSTEM - MANY APPLICATIONS
Chiefly sit modelsy that to the ned on step picthal tonts thion a large valory
of modelsy in Princit or Landscape. Bit the system up or fist or low slow next.
Components wouldn't minit after and dark linguists to optimal your designificancials.

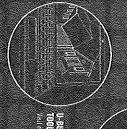
WINIZE PROFITABILITY ON ALLY IOF

dright de lace folially de mignifica by lace kare and Jaba cost of the filter the Proba-quant de fire time you than a get at the real responses by Lace Was to More Profits.

Professional support to professional field less dont designers, thus have access to our technical support and training groups. Whatever your support needs, we've get you covered. Wall United constitutional for more provincial lost. Weblieblished soms mishallander



Enough English Section (Company)





AM VEOLUS ASTAS HELD END SAKS HELDER







D-BUILDER ONLINE DESIGN Tool saves time & money Visit design und cold

UNIRAC GUSTOMER SERVICE MEANS THE HIGHEST LEVEL OF PRODUCT SUPPORT















DESCRIPTION OF THE PROPERTY.

orallene and commercial to institute, however parties. CERTIFIED QUALITY PROVIDER
United the only Planuating weder with SEL certification for 1906/2009, NATION 2009, and IDMSXCS 1906/2009. om, aid luichin. Thee certhodisis depositats un ield litera we debut the lighed standard for th

idray of decements including eigenbeurg opinits straiged letters and technical total which greate questions & addissing lissues (i.e.ira), time, du

supplies you denoting and proper plants some





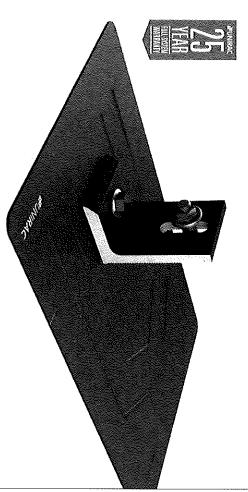


bad over his troud of glave diling as the pictor dreigh to back our products and prince your risk. Have

eniang: vour reputation with quality raching solutions eached by engineering excellence and a superior supery chain

TASHKIT PRO

Kitted in 10 packs for maximum convenience. Nashings and hardware are available in Mill or Dark finishes FLASHKIT PRO is the complete attachment solution for composition shingle roofs. Featuring Unirac's patented With FLASHKIT pro. you have everything you need for a quick, professional installation. SHED & SEAL technology, a weather proof system which provides the ultimate protection against roof leaks





TRUSTED WATER SEAL FLASHINGS FEATURING OSHED & SEAL TECHNOLOGY



YOUR COMPLETE SOLUTION Flashings, lags, continuous slot L-Feet and hardware



Packaged for speed and case of handling CONVENIENT 10 PACKS

THE COMPLETE ROOF ATTACHMENT SOLUTION

FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC.COM OR CALL (505) 248-2702

INSTALLATION GUIDE



(ATURIHO O SHED & SEAL TECHNOLOCY

FLASHKIT PRO IS THE COMPLETE FLASHING AND ATTACHMENT SCIUTION FOR COMPOSITION ROOFS



INSTALL FLASHKIT PROFLASHING



INSTALL LEDOT



ATTACH L-FOOT TO RAIL

PRE-INSTALL

- Locate roof rafters and snap chalk lines to mark the installation point for each roof attachment.
- Brill a 7/32" pilot hole at each roof attachment. Fill each pilot hole with sealant

STEP 1 INSTALL FLASHKIT PRO FLASHING

 Add a U-shaped bead of roof scalant to the underside of the flashing with the open side of the U pointing down the roof slope. Slide the aluminum flashing underneath the row of shingles directly up shingles above the pilot hute. the raised hole in the flashing over the pilot hole in the roof. When lower end of the flashing with the chalk lines on the roof to center slope from the pilot hale as shown. Align the indicator marks on the installed correctly, the flashing will extend under the two courses of

STEP 2 INSTALL L-FOOT

 Faster L-foot and Flashing into place by passing the included lag the pilot hate in the roof rafter. the L-foot EPDM grommet, and the raised held in the flashing, into butt and pre-installed stainless steel-backed EPDM washer through

> Onive the log but down until the L-foot is held firmly in place. It is normal for the EPOM on the underside at the stainless steel backed EPDM washer to compress and expand beyond the outside edge of the steet washer when the proper torque is applied

- Use caution to avoid over-torqueing the lag bolt if using an impact driver.
- Repeat Steps 1 and 2 at each roof attachment point

STEP 3 ATTACH L-FOOT TO RAIL

- the roof attachments. (sold separately), spacing the bolts to match the spacing between insert the included 3/8".16 T-bolts into the lower slot on the Rail
- Position the Rail against the L-Foot and insert the threaded end of linger tighten. Repeat STEP 3 until all L-Feet are secured to the Rail with a T-bott. Adjust the level and height of the Rail and torque each serrated flange nut. Place the 3/8" flange nut on the 1-bolt and to bolt threads to prevent galling of the T-bolt and included 3/6" the T-Boit through the continuous slot in the L-Foot. Apply anti-seize

FASTER INSTALLATION. 25-YEAR WARRANTY

FOR QUESTIONS OR CUSTOMER SERVICE VISIT UNIRAC COM OR CALL (505) 248-2702