

# **AGENDA**

## **TOLLAND GREEN HISTORIC DISTRICT COMMISSION**

**Wednesday, November 17, 2021 at 7:00 p.m.**

### **REMOTE MEETING**

#### **Public Hearing**

1. Call to Order
2. Roll Call
3. 89 Tolland Green
  - 3.1 Consideration of Application for a COA for a fence made of wood lattice
  - 3.2 Neighbor comments, both for and against
  - 3.3 Close of Public Hearing
4. 30 Tolland Green
  - 4.1 Consideration of Application for a COA for window replacement.
  - 4.2 Neighbor comments, both for and against
  - 4.3 Close of Public Hearing
5. 63 Tolland Green
  - 5.1 Consideration of Application for COA for roof-mounted solar.
  - 5.2 Neighbor comments, both for and against
  - 5.3 Close of Public Hearing

#### **Regular Meeting**

1. Call to Order
2. New Business
  - 2.1 Determination of COA for 89 Tolland Green and vote thereon
  - 2.2 Determination of COA for 63 Tolland Green and vote thereon
  - 2.3 Determination of COA for 30 Tolland Green and vote thereon
3. Miscellaneous
4. Approval of Minutes from October 20, 2021 Regular Meeting
5. Adjournment

#### **To View Meeting Materials:**

See <https://www.tolland.org/historic-district-commission/pages/remote-meeting-packets-audio-recordings>

#### **To Join Zoom Meeting:**

If using a computer, tablet or smartphone, download Zoom app prior to the meeting.

Go to: <https://us06web.zoom.us/j/83064469485?pwd=SGsveEVhdFR3NIztLOpBSlIxa1Y5Zz09>

Meeting ID: 830 6446 9485

Passcode: 11172021

Or call: 929-205-6099 and enter meeting ID 830 6446 9485

Meeting password is 11172021

If you receive an error message after entering the password:

Enter the password again.

If it does not work, click on the meeting link. If you still cannot get into the meeting, call in.

# Public Hearing

# Agenda Item 3

**Legal Notice**  
**Tolland Green Historic District Commission**

The Commission will hold a Public Hearing on October 20, 2021 at 7:00pm to consider an application for a Certificate of Appropriateness by Theodore Jick, for a fence in the backyard constructed of wood lattice at 89 Tolland Green. This application is on-line at <https://www.tolland.org/historic-district-commission/pages/applications-pending>  
Only remote participation will be allowed. Instructions to participate will be on the agenda, which will be posted by October 18, 2021 at [www.tolland.org](http://www.tolland.org)

To run twice in the Journal Inquirer on October 8 & 12, 2021.



**TOLLAND GREEN HISTORIC DISTRICT COMMISSION**  
**Application for a Certification of Appropriateness**

**RECEIVED**  
**SEP 21 2021**

BY: AS

**Property Information**

Property Address: 89 Tolland Green  
Property Owner: Theodore Tich  
Phone Number: [REDACTED]

**Applicant Information**

Applicant Name: Theodore Tich  
Applicant Address: 89 Tolland Green  
Phone Number: [REDACTED] Email Address: [REDACTED]

**Project Information**

Type of Building: Colonial  
Nature and description of work to be done as it affects exterior appearance. Attach appropriate drawing or plans giving the position of the house or structure on the site, ground plan of house with proposed addition, and all pertinent elevations showing size and style of windows, dormers, doors, exterior wall finishes, roofing material, chimneys, vents and ornamentation. (If more space needed, attach sheet to application.)

fence in backyard of wood lattice

**Estimated Start and Completion Dates:**

Start: July 10, 2021 Complete: Sept 15, 2021

1. Attach a photograph of the existing structure or place to be changed as viewed from the street showing that portion of the structure to be altered, together with a drawing of the proposed alteration or change.
2. Application fee of \$75.00 must accompany application (make checks payable to Town of Tolland).
3. Application form, fee, plans, photograph and drawing must be submitted to **Planning & Building Department**. Public Hearings will be scheduled within not more than sixty-five days after the filing of an application.

This application form and all accompanying plans and materials are accurate and complete:

Applicant Signature: [Signature] Date: 9/20/21  
Property Owner Signature: [Signature] Date: 9/20/21

**OFFICE USE ONLY**

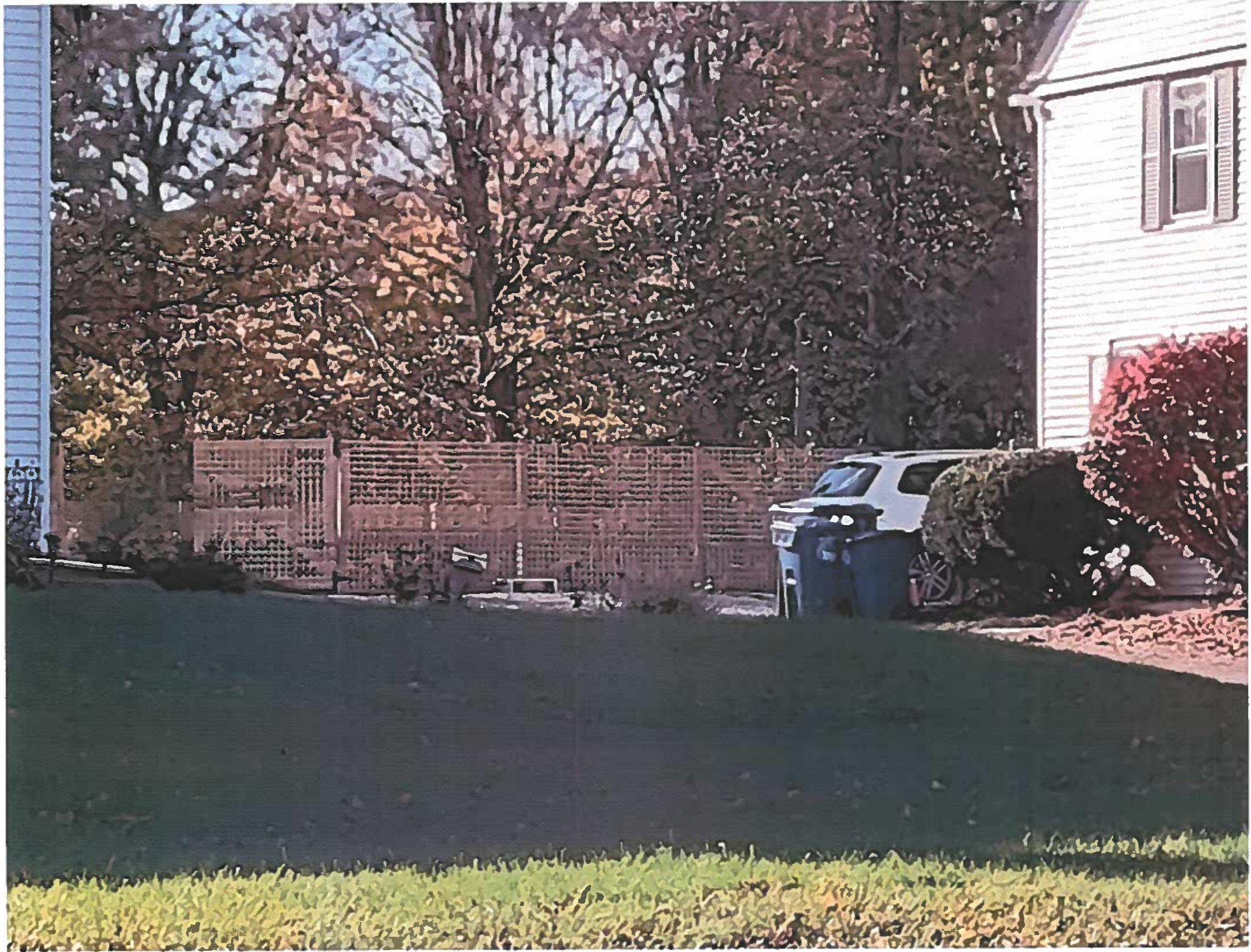
Received & Fee Paid: <u>[REDACTED]</u>	Hearing Scheduled: <u>11/17/21</u>
Hearing Advertised: <u>11/8/21 + 11/9/21</u>	Action: <u></u>
Notice of Action to Applicant: <u></u>	













# Agenda Item 4

**Legal Notice**  
**Tolland Green Historic District Commission**

The Commission will hold three Public Hearings on November 17, 2021 at 7:00PM.

1. **30 Tolland Green:** to consider an application for a Certificate of Appropriateness by Brain and Tracy Hurlburt to replace a window.
2. **63 Tolland Green:** to consider an application for a Certificate of Appropriateness by Frederick and Lisa Day-Lewis to install roof-mounted solar panels.
3. **89 Tolland Green:** to consider an application for a Certificate of Appropriateness by Theodore Jick to install a lattice fence.

These applications are online at: <https://www.tolland.org/historic-district-commission/pages/applications-pending> Only remote participation will be allowed. Instructions to participate will be on the agenda, which will be posted by November 15, 2021 at [www.tolland.org](http://www.tolland.org).

To run twice in the Journal Inquirer on November 8<sup>th</sup> and November 9<sup>th</sup>.



**TOLLAND GREEN HISTORIC DISTRICT COMMISSION**  
**Application for a Certification of Appropriateness**

**Property Information**

Property Address: 30 TOLLAND GREEN  
Property Owner: BRYAN & TRACY HURLBURT  
Phone Number: [REDACTED]

**Applicant Information**

Applicant Name: MIKE BOBAY BOBAY BULLOANS  
Applicant Address: 183 MATCHLESS ROAD TOLLAND CT 06084  
Phone Number: [REDACTED] Email Address: [REDACTED]

**Project Information**

Type of Building: RESIDENCE  
Nature and description of work to be done as it affects exterior appearance. Attach appropriate drawing or plans giving the position of the house or structure on the site, ground plan of house with proposed addition, and all pertinent elevations showing size and style of windows, dormers, doors, exterior wall finishes, roofing material, chimneys, vents and ornamentation. (If more space needed, attach sheet to application.)  
REPLACE WINDOW ON SIDE OF HOUSE WITH WOOD WINDOW  
OF SAME SIZE / DESIGN NO CHANGE IN HARDER

**Estimated Start and Completion Dates:**

Start: ASAP Complete: 2 DAYS

1. Attach a photograph of the existing structure or place to be changed as viewed from the street showing that portion of the structure to be altered, together with a drawing of the proposed alteration or change.
2. Application fee of \$75.00 must accompany application (make checks payable to Town of Tollard).
3. Application form, fee, plans, photograph and drawing must be submitted to Planning & Building Department. Public Hearings will be scheduled within not more than sixty-five days after the filing of an application.

This application form and all accompanying plans and materials are accurate and complete:

Applicant Signature: [Signature] Date: 11/4/21  
Property Owner Signature: [Signature] Date: 11/3/2021

**OFFICE USE ONLY**

Received & Fee Paid:	<u>[REDACTED]</u>	Hearing Scheduled:	<u>11/17/21</u>
Hearing Advertised:	<u>11/8/21 + 11/9/21</u>	Action:	
Notice of Action to Applicant:			

**RECEIVED**  
NOV 04 2021  
BY: HS

**QUOTE BY :** Andrew Bobey  
**SOLD TO :** BOBEY, MICHAEL  
**PO# :**  
**Ship Via :** Ground

**QUOTE # :** JW210601EP1 - Version 0  
**SHIP TO :**  
**PROJECT NAME:** HURLBURT DH MULL UNIT  
**REFERENCE :**

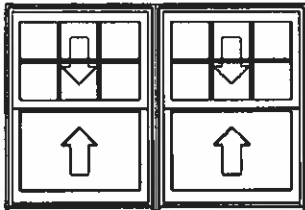
**U-Factor Weighted Average:** 0.29

**SHGC Weighted Average:** 0.18

LINE	LOCATION SIZE INFO	BOOK CODE DESCRIPTION	NET UNIT PRICE	QTY	EXTENDED PRICE
------	-----------------------	--------------------------	-------------------	-----	-------------------

Line 1

Rough Opening : 59 7/8 X 40 7/8



Viewed from Exterior. Scale: 1/2" = 1'

Frame Size : 59 1/8 X 40 1/8  
 (Outside Casing Size: 61 3/4 X 42 5/16),  
 Sitrine Wood Double Hung, Auralast Pine, 2 Wide  
 Primed Exterior,  
 Primed Interior,  
 Brickmould, Standard Sill Nosing, DripCap, Brilliant White Drip Cap,  
 4 9/16 Jamb,  
 White Jambliner, Concealed Jambliner  
 White Hardware,  
 US National-WDMA/ASTM, DP 35,  
 Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon  
 Filled, Traditional Glz Bd,  
 5/8" Flat GBG Brilliant White Grid, Colonial Top Lite(s) Only 3 Wide 2  
 High Top,  
 BetterVue Mesh Brilliant White Screen,  
 This mull configuration complies with AAMA 450 standards and is  
 professional engineer-approved. (Note: Color Tone Of Grille May Vary As A  
 Result Of Glass Option).  
 PEV 2021.3.0.3573/PDV 6.360 (09/09/21)NW

1

Line 1-1(A1)

Frame Size : 29 9/16 X 40 1/8  
 Sitrine Wood Double Hung, Auralast Pine,  
 Primed Exterior,  
 Primed Interior,  
 No Exterior Trim,  
 4 9/16 Jamb,  
 Standard Double Hung, White Jambliner, Concealed Jambliner  
 White Hardware,  
 US National-WDMA/ASTM, PG 35,  
 Insulated SunResist Annealed Glass, Protective Film, Black Spacer, Argon  
 Filled, Traditional Glz Bd,  
 5/8" Flat GBG Brilliant White Grid, Colonial Top Lite(s) Only 3 Wide 2 High  
 Top,  
 BetterVue Mesh Brilliant White Screen,  
 Product Does Not Qualify for Accidental Glass Breakage Warranty Coverage,  
 \*Custom-Width\*, \*Custom-Height\*, IGThick=0.698(3/32 / 3/32), (Note:  
 Color Tone Of Grille May Vary As A Result Of Glass Option). Clear  
 Opening:25.8w, 16.5h, 2.9 sf  
 U-Factor: 0.29, SHGC: 0.18, VLT: 0.42, Energy Rating: 13.00, CR: 60.00,  
 CPD: JEL-N-885-01806-00001

## Laura Smith

---

**From:** Tracy Hurlburt [REDACTED]  
**Sent:** Tuesday, November 9, 2021 10:13 AM  
**To:** Laura Smith  
**Cc:** bryan hurlburt  
**Subject:** [EXTERNAL]30 Tolland Green - Window Replacement

Good morning Laura,

Thank you for reaching out regarding our window replacement. Here are a few pictures of the house from all sides. I have circled the window that we are looking to replace in a few pictures. Our intention is to replace it to look in line with the other windows on the house. It will be a wood window with similar grills to the others and we will update the trim to match the others as well.

This window is not overly visible from the street, but we just wanted to be sure we don't have any issues. Please let me know if there are any follow up questions.

Thank you!









# Agenda Item 5

**Legal Notice**  
**Tolland Green Historic District Commission**

The Commission will hold three Public Hearings on November 17, 2021 at 7:00PM.

1. **30 Tolland Green:** to consider an application for a Certificate of Appropriateness by Brain and Tracy Hurlburt to replace a window.
2. **63 Tolland Green:** to consider an application for a Certificate of Appropriateness by Frederick and Lisa Day-Lewis to install roof-mounted solar panels.
3. **89 Tolland Green:** to consider an application for a Certificate of Appropriateness by Theodore Jick to install a lattice fence.

These applications are online at: <https://www.tolland.org/historic-district-commission/pages/applications-pending> Only remote participation will be allowed. Instructions to participate will be on the agenda, which will be posted by November 15, 2021 at [www.tolland.org](http://www.tolland.org).

To run twice in the Journal Inquirer on November 8<sup>th</sup> and November 9<sup>th</sup>.



**TOLLAND GREEN HISTORIC DISTRICT COMMISSION**  
**Application for a Certification of Appropriateness**

**Property Information**

**Property Address:** 63 Tollard Green

**Property Owner:** Lisa Day Lewis

**Phone Number:** [REDACTED]

**Applicant Information**

**Applicant Name:** Jeff Schwartz, SunPower

**Applicant Address:** 50 Rockwell Road Newington CT 06111

**Phone Number:** [REDACTED]

**Email Address:** [REDACTED]

**Project Information**

**Type of Building:** Dwelling

Nature and description of work to be done as it affects exterior appearance. Attach appropriate drawing or plans giving the position of the house or structure on the site, ground plan of house with proposed addition, and all pertinent elevations showing size and style of windows, dormers, doors, exterior wall finishes, roofing material, chimneys, vents and ornamentation. *(If more space needed, attach sheet to application.)*

Roof mounted solar array. 2 mounting planes, South and West facing roofs on back of home.

**Estimated Start and Completion Dates:**

**Start:** After all appropriate permits are issued **Complete:** approx 2 days from start date

1. Attach a photograph of the existing structure or place to be changed as viewed from the street showing that portion of the structure to be altered, together with a drawing of the proposed alteration or change.
2. Application fee of \$75.00 must accompany application *(make checks payable to Town of Tollard)*.
3. Application form, fee, plans, photograph and drawing must be submitted to **Planning & Building Department**. Public Hearings will be scheduled within not more than sixty-five days after the filing of an application.

This application form and all accompanying plans and materials are accurate and complete:

**Applicant Signature:** [Signature]

**Date:** 9/29/21

**Property Owner Signature:** Lisa Day-Lewis

**Date:** Sep 29, 2021

**OFFICE USE ONLY**

**Received & Fee Paid:** [REDACTED]

**Hearing Scheduled:** 11/17/21

**Hearing Advertised:** 11/8/21 + 11/9/21

**Action:**

**Notice of Action to Applicant:**

**RECEIVED**  
SEP 29 2021  
BY: [Signature]

# SOLAR INDIVIDUAL PERMIT PACKAGE

## LISA DAY-LEWIS/FEDERICK D DAY-LEWIS

### 15.60 kW GRID TIED PHOTOVOLTAIC SYSTEM

AC MAX. CONTINUOUS POWER RATING OF (39) SPR-A-400-G-AC = 39 x 349W = 13.61 kW

GENERATOR NAMEPLATE KVAR RATING = 3.90 kVAR

63 TOLLAND GREEN  
TOLLAND, CONNECTICUT 06084-3029

AHJ: TOLLAND

UTILITY: EVERSOURCE ENERGY (FORMERLY CONNECTICUT LIGHT & POWER CO)

#### CODE INFORMATION

##### APPLICABLE CODES, LAWS AND REGULATIONS

2018 CSBC ADOPT THE FOLLOWING CODES:  
2015 INTERNATIONAL BUILDING CODE (IBC)  
2015 INTERNATIONAL EXISTING BUILDING CODE (IEBC)  
2015 INTERNATIONAL MECHANICAL CODE (IMC)  
2015 INTERNATIONAL PLUMBING CODE (IPC)  
2015 INTERNATIONAL RESIDENTIAL CODE (IRC)  
2017 NATIONAL ELECTRIC CODE NFPA70 (NEC)  
2009 ICC A117.1 ACCESSIBLE & USABLE BUILDING & FACILITIES  
2015 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

#### SATELLITE IMAGE



#### JOB NOTES

##### SCOPE OF WORK

- (N) 15.600 kW PHOTOVOLTAIC SYSTEM
- (39) 400W (Model SPR-A-400-G-AC) PV MODULES
- POINT OF INTERCONNECTION AT MAIN SERVICE PANEL WITH LINE SIDE TAP

#### SHEET INDEX

##### PV SOLAR ARCHITECTURAL DRAWINGS

PVA-0 COVER SHEET  
PVA-1 ARRAY LAYOUT  
PVA-2 LOT DIAGRAM  
PVA-3 ELEVATION VIEW

##### PV SOLAR STRUCTURAL DRAWINGS

PVS-1 MOUNTING DETAILS

##### PV SOLAR ELECTRICAL DRAWINGS

PVE-1 ELECTRICAL SINGLE-LINE DIAGRAM & SPECIFICATIONS  
PVE-2 ELECTRICAL CALCULATION  
PVE-3 ELECTRICAL DATA & SPECIFICATIONS  
PVE-4 EQUINOX GROUNDING DETAILS  
PVE-5 BRANCH DIAGRAM

SUNPOWER

CORPORATION, SYSTEMS  
1414 HARBOUR WAY SOUTH  
RICHMOND, CA 94804  
(510) 540-0550

LISA DAY-LEWIS/FEDERICK D DAY-LEWIS  
15.60 kW GRID-TIED PHOTOVOLTAIC SYSTEM  
13.61 kW MAX. OUTPUT POWER RATING

63 TOLLAND GREEN  
TOLLAND, CONNECTICUT 06084-3029

SOLAR INDIVIDUAL PERMIT PACKAGE  
COVER SHEET

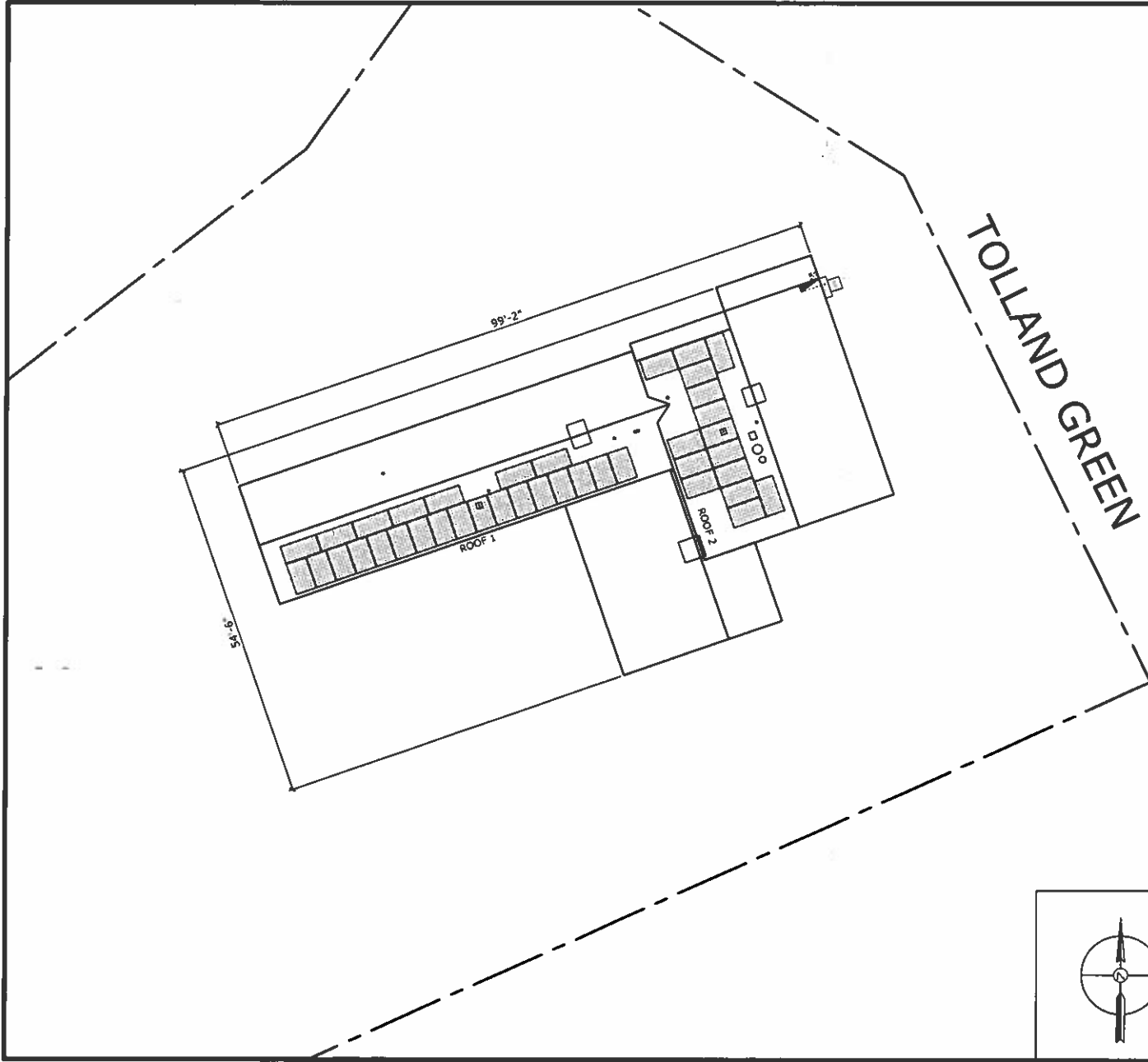
##### REVISIONS

REV	DESCRIPTION	DATE	BY

DRAWN BY  
*R. C. Dwyer*  
RICHMOND, CALIFORNIA

INSTALLER	SPR1 - CONNECTICUT
PROJECT	RP-178966
DATE DRAWN	09-21-2021
SCALE	NTS

SHEET  
PVA-0

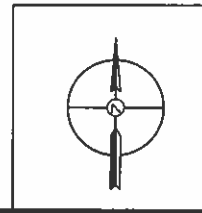


TOLLAND GREEN

LEGEND	
	JUNCTION BOX
	CONDUIT
	UTILITY SERVICE POINT
	UTILITY METER
	PROPERTY LINE
	FIRE ACCESS PATHWAY
	NEW LOAD CENTER
	AC DISCONNECT

NOTE:  
1. FIELD ADJUSTMENTS OF FEWER THAN 6" MAY BE ALLOWED BASED ON SITE CONDITIONS AND MEASUREMENTS.

ROOF	1	2				
MODULE QTY.	24	15				
AZIMUTH	161°	251°				
PITCH	8.5:12	6:12				
UTILITY ACCOUNT NUMBER	5107 084 7025					
CONTRACT MODULE & QUANTITY	39 SPR-A400-G-AC (240)					
MICROINVERTER TYPE & QUANTITY	39 IQ7AS-66-ACM-US (240)					
ROOF TYPE	COMP SHINGLE					
ROOF ATTACHMENT QUANTITY	90					
STORY HOME TYPE	2 - STORY					
TOTAL ARRAY AREA	797 SQ.FT.					



**SUNPOWER**  
CORPORATION, SYSTEMS  
1414 HARBOUR WAY SOUTH  
RICHMOND, CA 94804  
(510) 540-0550

Heinrich Villanueva  
Digitally signed by Heinrich Villanueva  
Date: 2021.09.23 14:06:51 -0700

LISA DAY-LEWIS/FEDERICK D DAY-LEWIS  
15.60 kW GRID-TIED PHOTOVOLTAIC SYSTEM  
13.61 kW MAX. OUTPUT POWER RATING

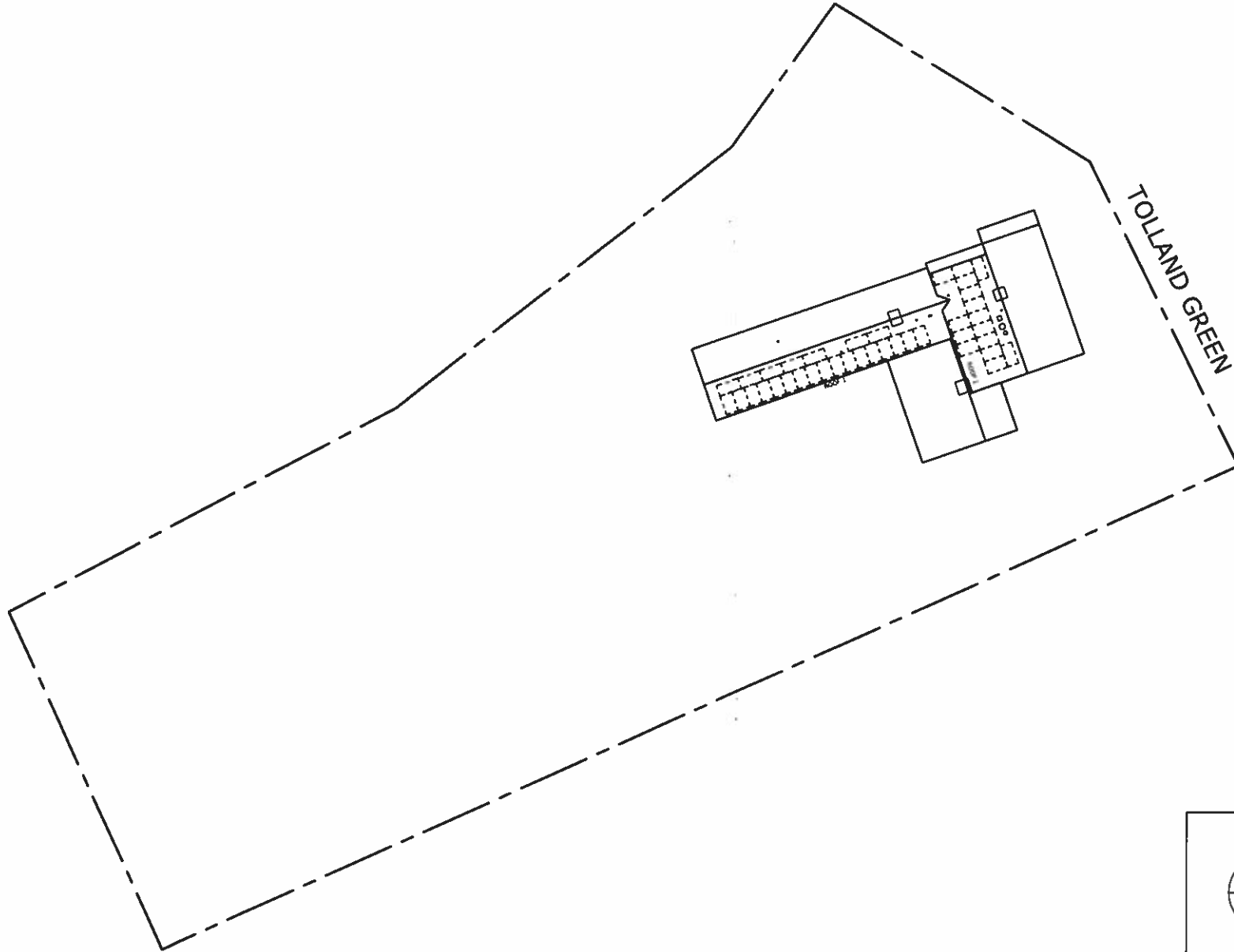
63 TOLLAND GREEN  
TOLLAND, CONNECTICUT 06084-3029

SOLAR INDIVIDUAL PERMIT PACKAGE  
ARRAY LAYOUT

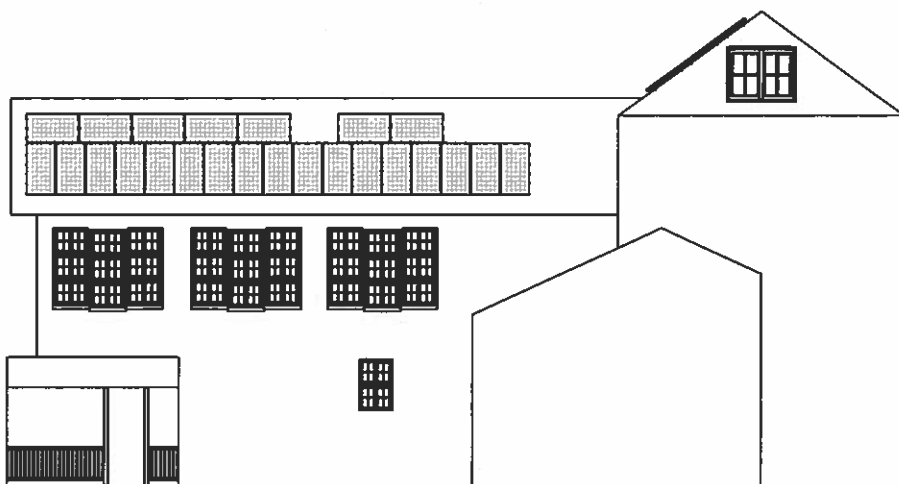
REVISIONS			
REV	DESCRIPTION	DATE	DR

DRAWN BY: *[Signature]*  
REVIEWER: CAMERON

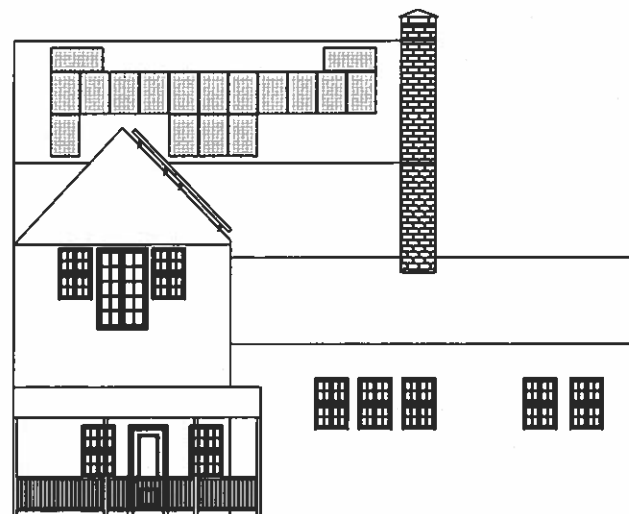
INSTALLER	SUNPOWER CONNECTICUT
PROJECT	RP-128866
DATE DRAWN	09-21-2021
SCALE	1/32" = 1'-0"
SHEET	PVA-1



<b>SUNPOWER®</b> CORPORATION, SYSTEMS 1414 HARBOUR WAY SOUTH RICHMOND, CA 94804 (510) 540-0550	
LISA DAY-LEWIS/FEDERICK D DAY-LEWIS 15.60 KW GRID-TIED PHOTOVOLTAIC SYSTEM 13.61 KW MAX. OUTPUT POWER RATING	
63 TOLLAND GREEN TOLLAND, CONNECTICUT 06084-3029	
SOLAR INDIVIDUAL PERMIT PACKAGE LOT DIAGRAM	
<b>REVISIONS</b>	
REV	DESCRIPTION
DRAWN BY: <i>R. L. Lewis</i> INTERIM CAD/ARCHITECT	
INSTALLER	SPR1 CONNECTICUT
PROJECT	NP-178866
DATE DRAWN	09-21-2021
SCALE	NFS
<b>PVA-2</b>	



BACK SIDE



LEFT SIDE



**SUNPOWER**

CORPORATION, SYSTEMS  
1414 HARBOUR WAY SOUTH  
RICHMOND, CA 94804  
(510) 540-0550

LISA DAY-LEWIS/FREDERICK D DAY-LEWIS  
15.60 KW GRID-TIED PHOTOVOLTAIC SYSTEM  
13.61 KW MAX. OUTPUT POWER RATING

63 TOLLAND GREEN  
TOLLAND, CONNECTICUT 06084-3029

SOLAR INDIVIDUAL PERMIT PACKAGE  
ELEVATION VIEW

REVISIONS

REV	DESCRIPTION	DATE	BY

DRAWN BY:

*R. J. ...*  
RICHMOND, CALIFORNIA

INSTALLER	SPR - CONNECTICUT
PROJECT	RP-178846
DATE DRAWN	09-23-2021
SCALE	NTS

PVA-3

TABLE 1 – ARRAYS INFORMATION									
	ROOF PITCH	ROOFING TYPE	ATTACHMENT TYPE	NO. OF STORIES	FRAMING TYPE (In.)	MAX. RAFTER SPAN (ft.)	PENETRATION PATTERN (In.)	MAX. ATTACHMENT SPACING (In.)	MAX. RAIL OVERHANG (In.)
ROOF 1	35°	Comp Shingle	Pegasus L-foot	2	2x4 Rafter @ 24" OC	7.5'	Fully Staggered	48"	16"
ROOF 2	26°	Comp Shingle	Pegasus L-foot	2	2x6 Rafter @ 24" OC	7.6'	Staggered	48"	16"
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--
--	--	--	--	--	--	--	--	--	--

CHECK TABLE 2 FOR PENETRATION PATTERN GUIDE

FIG 1.1: ROOF 1 STRUCTURAL FRAMING DETAIL

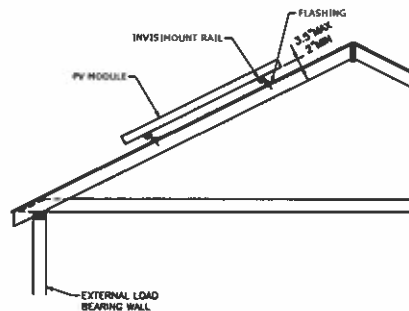


FIGURE 2: INVISIMOUNT ROOF ATTACHMENT DETAILS @ TRUSS / RAFTERS

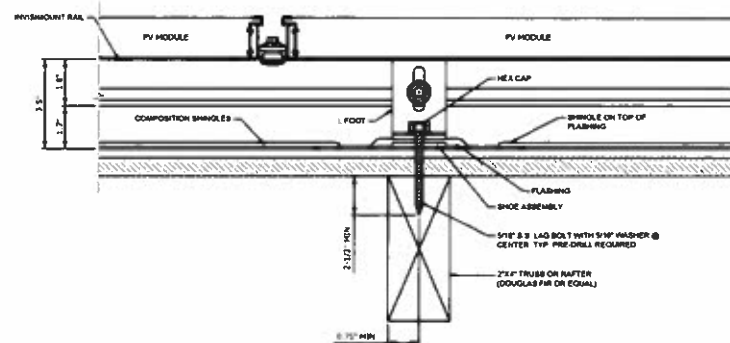


FIG 1.2: ROOF 2 STRUCTURAL FRAMING DETAIL

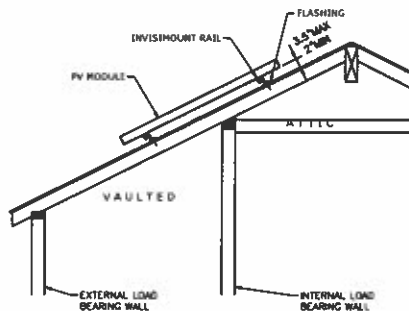
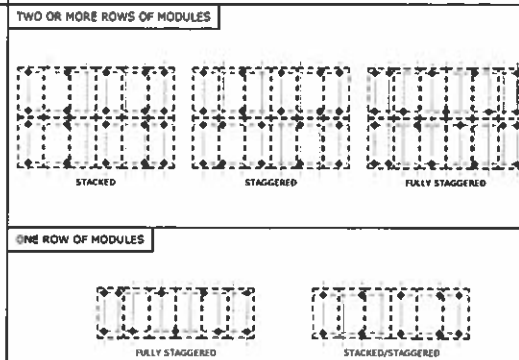
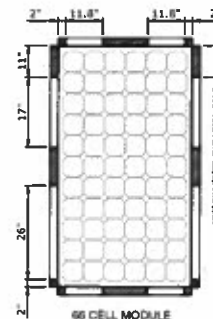


TABLE 2: PENETRATION GUIDE FOR INSTALL



\*CHECK TABLE 1 FOR MAX. PENETRATION SPACING AND PENETRATION PATTERN FOR EACH ARRAY.

FIGURE 3: MOUNTING CLAMP POSITIONING DETAILS



\*RAILS SHALL BE POSITIONED IN THE HIGH-CROSS HATCHED REGIONS

**SUNPOWER**  
CORPORATION, SYSTEMS  
1414 HARBOUR WAY SOUTH  
RICHMOND, CA 94804  
(510) 540-0550

STEVEN A. VILLANUEVA  
No. 0001238  
LICENSED PROFESSIONAL ENGINEER  
Sealed for attachments and existing permits only.

LISA DAY-LEWIS/FREDERICK D DAY-LEWIS  
15.60 KW GRID-TIED PHOTOVOLTAIC SYSTEM  
13.61 KW MAX. OUTPUT POWER RATING

63 TOLLAND GREEN  
TOLLAND, CONNECTICUT 06084-3029

SOLAR INDIVIDUAL PERMIT PACKAGE  
STRUCTURAL INFORMATION  
AND MOUNTING DETAILS

REVISIONS			
REV	DESCRIPTION	DATE	BY

DRAWN BY: *Robert J. Cabral*  
INVS. CABRAL

INSTALLER	SPII - CONNECTICUT
PROJECT	RP-178866
DATE DRAWN	09-22-2021
SCALE	NTS
SHEET	PVS-1

FIGURE A: SINGLE LINE DIAGRAM - 15.60 KW

**SUNPOWER MODULES**  
SPR-A400-G-AC (240)  
MICROINVERTER MODEL:  
IQ7AS-66-ACM-US (240)

**ROOFTOP  
ARRAY WIRING**

**Branch Circuit #1**  
9 AC MODULES

**Branch Circuit #2**  
9 AC MODULES

**Branch Circuit #3**  
9 AC MODULES

**Branch Circuit #4**  
7 AC MODULES

**Branch Circuit #5**  
8 AC MODULES

**JUNCTION BOX,  
NEMA-3R**

**(H) SOLAR LOAD CENTER**  
125A MLO, 120/240 V,  
M.L.O. NEMA-3R  
LOCATION: OUTSIDE WALL

**ETHERNET  
CONNECTION TO  
DSL/CABLE MODEM**

**CAT5e**

**PVS6**

(3) #14 THWN  
(1) #14 THWN EGC

**INCOMING SOURCE FEED**

**(E) MAIN SERVICE PANEL**  
MANUF: EATON  
200A, 2P, 120/240 V, 1 PH, 3 W  
LOCATION: BASEMENT

**LINE SIDE TAP**  
ILSCO KUP-L-TAP  
IPC-4/B-6  
PV DISCONNECT  
LOCATED WITHIN 10'  
FROM THIS TAP

**TO  
EXISTING LOADS**

**MCB**  
200A, 2P

**(E) UTILITY  
BIDIRECTIONAL  
METER #**  
887736212

**EXISTING**

**EXISTING  
GROUND**

**UTILITY-LOCKABLE SAFETY SWITCH 100A, 248VAC**  
SQUARE D D223NRB OR EQUIVALENT  
LOCATED OUTSIDE  
WITH VISIBLE KNIFE BLADES

[illegible]

**SUNPOWER®**  
CORPORATION, SYSTEMS  
1414 HARBOUR WAY SOUTH  
RICHMOND, CA 94804  
(510) 540-0550

**USA DAY-LEWIS/FEDERICK D DAY-LEWIS**  
15 60 kW GRID-TIED PHOTOVOLTAIC SYSTEM  
13.61 kW MAX. OUTPUT POWER RATING

63 TOLLAND GREEN  
TOLLAND, CONNECTICUT 06084-3029

SOLAR INDIVIDUAL PERMIT PACKAGE  
ELECTRICAL SINGLE-LINE DIAGRAM  
& SPECIFICATIONS

REVISONS			
REV	DESCRIPTION	DATE	DB

DRAWN BY  
*R. Cabanero*  
 RUBEN CABANERO

INSTALLER	SPEJ CONNECTIONS/OUT
PROJECT	RP-1788aa
DATE DRAWN	RP-21-2021
SCALE	NTS
S4821	

PVE-1

## ELECTRICAL CALCULATIONS

<b>SUBPANEL TO GRID-TIE WIRING</b>	<b>#6</b>
VOLTAGE	240 V
SUM OF BRANCHES: $I_{OUT\_TOTAL} =$	56.55 A
MINIMUM WIRE AMPACITY: $I_{MAX} = I_{OUT} \times 1.25$	70.69 A
<b>CONDUCTOR DE-RATING</b>	
MAXIMUM AMBIENT TEMPERATURE	34 °C
TEMPERATURE USED FOR AMPACITY DE-RATING	34 °C
TEMPERATURE DE-RATING COEFFICIENT	0.96
FILL DE-RATING COEFFICIENT	1.00
$I_{WIREMIN} = I_{MAX} / TEMP\_COEFF / FILL\_COEFF$	73.63 A
WIRE SIZE AMPACITY	75 A
CONDUCTOR SIZE	#6
CONDUCTOR SIZE ADJUSTED FOR VOLTAGE DROP	#6
ONE WAY CIRCUIT LENGTH	5 FT.
VOLTAGE DROP	0.12%
<b>OVERCURRENT PROTECTION</b>	<b>80A, 2P</b>
MINIMUM OCPD = $I_{OUT} \times 1.25$	70.69 A

	BRANCH 1	BRANCH 2	BRANCH 3	BRANCH 4	BRANCH 5	
<b>ROOF JCT BOX TO SUBPANEL WIRING</b>	<b>#10</b>	<b>#10</b>	<b>#10</b>	<b>#10</b>	<b>#10</b>	
NUMBER OF MODULES	9	9	6	7	8	
VOLTAGE	240 V	240 V	240 V	240 V	240 V	
RATED AC OUTPUT CURRENT: $I_{OUT} =$	13.05 A	13.05 A	8.7 A	10.15 A	11.6 A	
MINIMUM WIRE AMPACITY: $I_{MAX} = I_{OUT} \times 1.25$	16.31 A	16.31 A	10.88 A	12.69 A	14.50 A	
<b>CONDUCTOR DE-RATING</b>						
MAXIMUM AMBIENT TEMPERATURE	34 °C	34 °C	34 °C	34 °C	34 °C	
TEMPERATURE ADDER	22 °C	22 °C	22 °C	22 °C	22 °C	
TEMPERATURE USED FOR AMPACITY DE-RATING	56 °C	56 °C	56 °C	56 °C	56 °C	
TEMPERATURE DE-RATING COEFFICIENT	0.71	0.71	0.71	0.71	0.71	
FILL DE-RATING COEFFICIENT	0.8	0.8	0.8	0.8	0.8	
$I_{WIREMIN} = I_{MAX} / TEMP\_COEFF / FILL\_COEFF$	28.72 A	28.72 A	19.15 A	22.34 A	25.53 A	
WIRE SIZE AMPACITY	40 A	40 A	40 A	40 A	40 A	
CONDUCTOR SIZE	#10	#10	#10	#10	#10	
CONDUCTOR SIZE ADJUSTED FOR VOLTAGE DROP	#10	#10	#10	#10	#10	
ONE WAY CIRCUIT LENGTH	105 FT.	105 FT.	105 FT.	65 FT.	65 FT.	
CALCULATED VOLTAGE DROP	1.42%	1.42%	0.94%	0.68%	0.78%	
<b>OVERCURRENT PROTECTION</b>	<b>20A, 2P</b>	<b>20A, 2P</b>	<b>20A, 2P</b>	<b>20A, 2P</b>	<b>20A, 2P</b>	
MINIMUM OCPD = $I_{OUT} \times 1.25$	16.31 A	16.31 A	10.88 A	12.69 A	14.50 A	

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LISA DAY-LEWIS/FREDERICK D DAY-LEWIS  
15.60 kW GRID-TIED PHOTOVOLTAIC SYSTEM  
13.61 kW MAX. OUTPUT POWER RATING

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TOLLAND, CONNECTICUT 06084-3029

SOLAR INDIVIDUAL PERMIT PACKAGE  
ELECTRICAL CALCULATION

## REVISIONS

REV	DESCRIPTION	DATE	DR

DRAWN BY:

*Handwritten signature*  
RANDEA GADWAL

INSTALLER	SIRE CONNECTION
PROJECT	PP-178866
DATE DRAWN	09/21/2021
SCALE	NYS

SHEET

PVE-2

## ELECTRICAL DATA &amp; SPECIFICATIONS

PHOTOVOLTAIC POINT OF  
INTERCONNECTION

WARNING: DUAL POWER SOURCE  
SECOND SOURCE IS PHOTOVOLTAIC  
SYSTEM

MAXIMUM RATED AC OUTPUT CURRENT	56.55 A	AMPS
MAXIMUM OPERATING AC VOLTAGE	240 V	VOLTS

## SIGNAGE LOCATIONS:

- MAIN SERVICE PANEL
- INDOOR / OUTDOOR SUBPANEL

PHOTOVOLTAIC SYSTEM EQUIPPED  
WITH RAPID SHUTDOWN

## SIGNAGE LOCATIONS:

- MAIN SERVICE PANEL

PV SOLAR BREAKER  
DO NOT RELOCATE THIS  
OVERCURRENT DEVICE

## SIGNAGE LOCATIONS:

- MAIN SERVICE PANEL
- NEW INDOOR / OUTDOOR LOAD CENTER
- INDOOR / OUTDOOR SUBPANEL

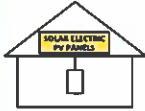
RAPID SHUTDOWN SWITCH FOR  
SOLAR PV SYSTEM

## SIGNAGE LOCATIONS:

- LABEL SHALL BE LOCATED ON OR NO MORE THAN 1M (3FT) FROM THE SWITCH

SOLAR PV SYSTEM EQUIPPED  
WITH RAPID SHUTDOWN

TURN RAPID SHUTDOWN  
SWITCH TO THE "OFF"  
POSITION TO SHUT DOWN  
AND REDUCE SHOCK  
HAZARD IN THE ARRAY



## SIGNAGE LOCATIONS:

- SHALL BE LOCATED ON OR NO MORE THAN 1 M (3 FT) FROM THE SERVICE DISCONNECTING MEANS TO WHICH THE PV SYSTEMS ARE CONNECTED

PHOTOVOLTAIC SYSTEM  
AC DISCONNECT

MAXIMUM RATED AC OUTPUT CURRENT	56.55 A	AMPS
MAXIMUM OPERATING AC VOLTAGE	240 V	VOLTS

## SIGNAGE LOCATIONS:

- INDOOR / OUTDOOR AC DISCONNECT

## SIGNAGE NOTES

- MATERIAL USED FOR THE SIGNAGE SHALL BE REFLECTIVE, WEATHER RESISTANT AND SUITABLE FOR THE ENVIRONMENT.
- ALL SIGNAGE SHALL HAVE ALL CAPITAL LETTERS WITH MINIMUM  $\frac{3}{8}$ " LETTER HEIGHT, WHITE ON RED BACKGROUND.
- MAIN SERVICE DISCONNECT MARKING SHALL BE PLACED ADJACENT TO MAIN SERVICE DISCONNECT IN A LOCATION CLEARLY VISIBLE FROM THE LOCATION WHERE THE LEVER IS OPERATED.
- MARKING IS REQUIRED ON ALL INTERIOR AND EXTERIOR DC CONDUIT, RACEWAYS, ENCLOSURES, CABLE ASSEMBLIES, AND JUNCTION BOXES TO ALERT THE FIRE SERVICE TO AVOID CUTTING THEM. MARKINGS SHALL BE PLACED EVERY 10', AT TURNS AND ABOVE AND/OR BELOW PENETRATIONS, AND AT ALL DC COMBINER AND JUNCTION BOXES.
- DO NOT USE SCREWS FOR SIGNAGE ATTACHMENT. USE ONLY APPROVED ADHESIVE.

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63 TOLLAND GREEN  
TOLLAND, CONNECTICUT 06084-3029

SOLAR INDIVIDUAL PERMIT PACKAGE  
ELECTRICAL DATA & SPECIFICATIONS

## REVISIONS

REV	DESCRIPTION	DATE	BY

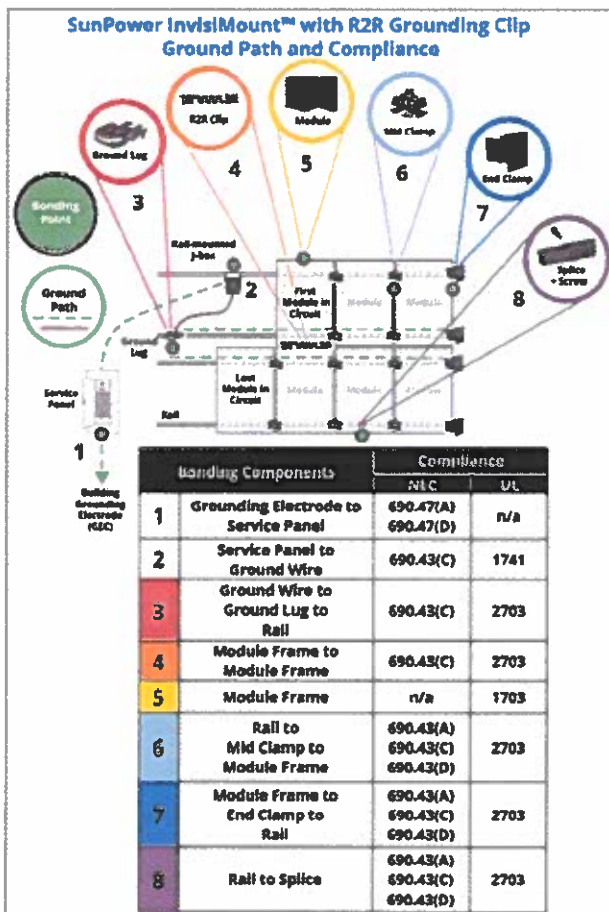
DRAWN BY:

RUSSEL CASABUNCAL

INSTALLER	SPR - CONNECTICUT
PROJECT	RP-178866
DATE DRAWN	09-21-2021
SCALE	NYS

SHEET

PVE-3



Document #SP09180 Rev 1

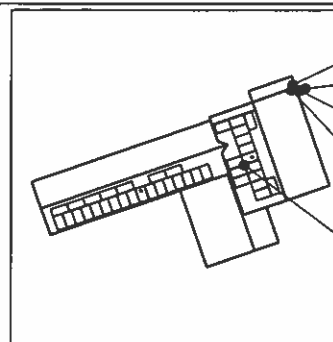
15

SunPower Inc. proprietary

FIGURE 1: SUNPOWER EQUINOX GROUNDING DETAILS

# CAUTION:

POWER TO THIS BUILDING IS ALSO SUPPLIED FROM THE FOLLOWING SOURCES WITH DISCONNECT(S) LOCATED AS SHOWN:



63 TOLLAND GREEN

UTILITY METER  
AC DISCONNECT  
SOLAR LOAD CENTER  
MAIN SERVICE PANEL  
PHOTOVOLTAIC ARRAY ON ROOF

FIGURE 2: PLACARD IDENTIFYING LOCATION OF DISCONNECTS AND POWER SOURCES

**SUNPOWER®**

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SOLAR INDIVIDUAL PERMIT PACKAGE

## REVISIONS

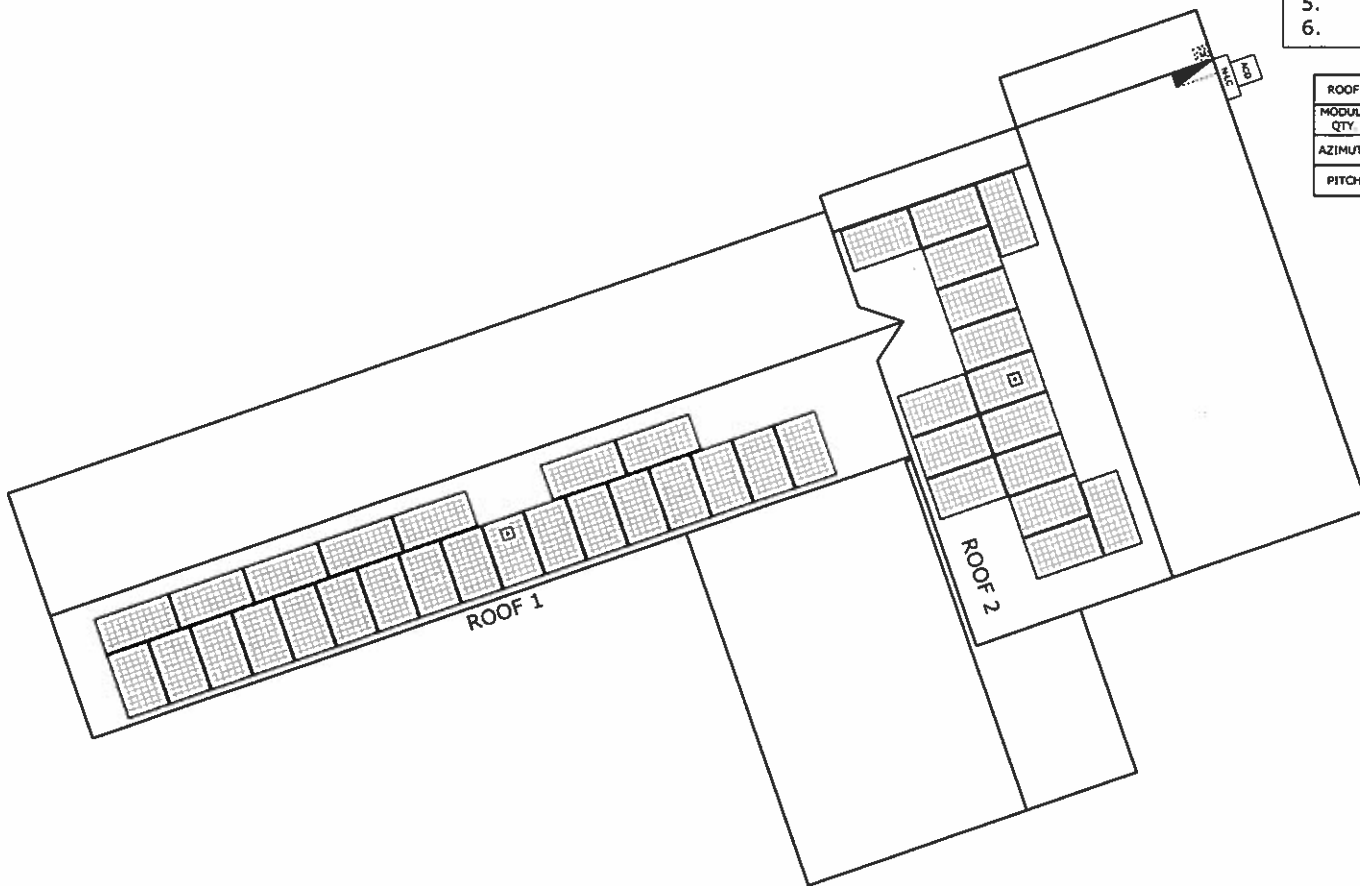
REV	DESCRIPTION	DATE	DR

DRAWN BY: *R. C. C. C.*  
RICHMOND, CALIFORNIA

INSTALLER	SPN1 - CONNECTICUT
PROJECT	RP-178866
DATE DRAWN	09-21-2021
SCALE	NTS

SHEET

PVE-4



INSTALLER NAME: \_\_\_\_\_

BRANCH VOLTAGES:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

ROOF	1	2					
MODULE QTY.	24	15					
AZIMUTH	161°	251°					
PITCH	8.5:12	6:12					

**SUNPOWER®**

CORPORATION - SYSTEMS  
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TOLLAND, CONNECTICUT 06084-3029

SOLAR INDIVIDUAL PERMIT PACKAGE  
BRANCH DIAGRAM

REVISIONS

REV.	DESCRIPTION	DATE	BY

DRAWN BY: *M. J. ...*  
MICHAEL CASABUONALI

INSTALLER	SPIR - CONNECTICUT
PROJECT	RP-178866
DATE DRAWN	09-21-2021
SCALE	1/2" = 1'-0"

SHEET

PVE-5





- Most powerful cell in home solar
- Delivers unmatched reliability<sup>1</sup>
- Patented solid metal foundation prevents breakage and corrosion



- Highest-power integrated AC module in solar
- 60% lighter than prior SunPower MIs
- Engineered and calibrated by SunPower for SunPower AC modules

### 420-390 W Residential AC Module

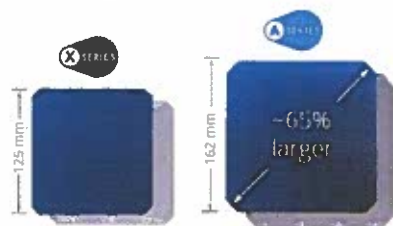
## SunPower® Maxeon® Technology

Build specifically for use with the SunPower Equinox™ system, the only fully integrated solution designed, engineered, and warranted by one manufacturer.



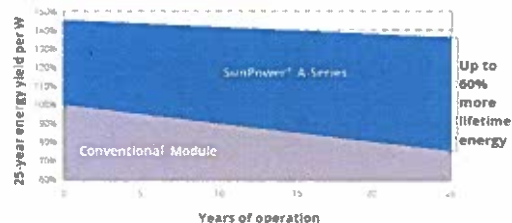
### Highest Power Density Available

SunPower's new Maxeon® Gen 5 cell is 65% larger than prior generation, delivering the most powerful cell and highest efficiency module in residential solar. The result is more power per square meter than any commercially available solar.



**Highest Lifetime Energy and Savings.**

Designed to deliver 60% more energy over 25 years in real-world conditions like partial shade and high temperatures.



**Best Reliability. Best Warranty.**

With more than 25 million modules deployed around the world, SunPower technology is proven to last. That's why we stand behind our module and microinverter with the industry's best 25-year Combined Power and Product Warranty, including the highest Power Warranty in solar.



A-Series: A420 | A415 | A410 | A400 | A390 SunPower® Residential AC Module

AC Electrical Data	
<b>Inverter Model: Type G / SPWR-A4 (Q7AS)</b>	<b>@240 VAC</b>
Peak Output Power	366 VA
Max. Continuous Output Power	349 VA
Norm. (r.m.s.) Output Voltage (V)	240 / 231-264
Max. Continuous Output Current (A)	1.45
Full Load at 20 A (L-L) Branch Circuit	11
EEC Weighted Efficiency	97.0%
Nom. Frequency	50 Hz
Operating Frequency Range	47-58 Hz
r.m.s. Short-Circuit Fault Current Over 1 Cycle	58 A rms
Overload Class AC Input	III
AC Full Backfeed Current	18 mA
Energy Factor Setting	1.0
Power Factor (unadjustable)	0.7 lead / 0.7 lag

[illegible]

Tested Operating Conditions	
Operating Temp	-0°F to +135°F (-40°C to +55°C)
Max Ambient Temp	112°F (50°C)
Max Test Load	Wind: 125 psi, 6000 Pa 611 g/m <sup>2</sup> back 220psi, 18,7psi, 5000 Pa 317 kN/m <sup>2</sup> front Wind: 25 psi, 3600 Pa 367 g/m <sup>2</sup> back 125psi, 125 psi, 6000 Pa 611 kN/m <sup>2</sup> front
Design Load	
Impact Resistance	1 inch (25 mm) diameter ball at 52 mph (23 m/s)

Mechanical Data	
Solar Cells	66 Monocrystalline Maxeon Gen 5
Front Glass	High-transmission tempered glass with anti-reflective coating
Environmental Rating	Outdoor-rated
Frame	Class 1 black anodized (highest AAAA rating)
Weight	46.5 lbs (21.1 kg)
Recommended Max Module Spacing	1.2 in. (25 mm)

[illegible]

See [www.suspower.com/facts](http://www.suspower.com/facts) for more reference information.

For more details, see the *Food and Data Sheet* [www.sungrower.com/data-sheet](http://www.sungrower.com/data-sheet). Species names included in the dataset are subject to change without notice. © 2020 Sungrower Corporation. All rights reserved. SUNGROWER, the SUNGROWER logo, E.G. WONG, and MAKE IT IN are registered trademarks of Sungrower Corporation in the U.S. and other countries as well as in the U.S. and elsewhere.

## Warranties, Certifications, and Compliance

2014-2015

- 25-year limited power warranty
- 25-year limited product warranty

[illegible]

- UL 1702
- UL 1741 / IEEE 1547
- UL 1741 AC Module (Type 2 Free-Running)
- UL 62109-1 / IEC 62109-2
- FCC Part 15 Class B
- IEC-0003 Class B
- CAFCCSA-C22.2 NO. 107-01
- CA Rule 21 (UL 1741 SA\*)
- Includes Vok-Yat and Reactive Power Priority
- UL Listed Dry-Stack Sprinkler Equipment

Enable installation in accordance with

- NEC 690 6 AC module
- NEC 690 12 Rapid Shutdown (see an out of the array)
- NEC 690 15 AC Converters 690 34/40 (EX1)

When used with InvisiMount tracking and InvisiMount accessories  
(UL 2703)

- Module grounding and bonding through InsulMount
- Class A fire rated

When used with AC module Q Cables and accessories (UL 5703 and UL 2232).

- \* Tested for load break disconnect.

PID Test Potential hr sized degradation time



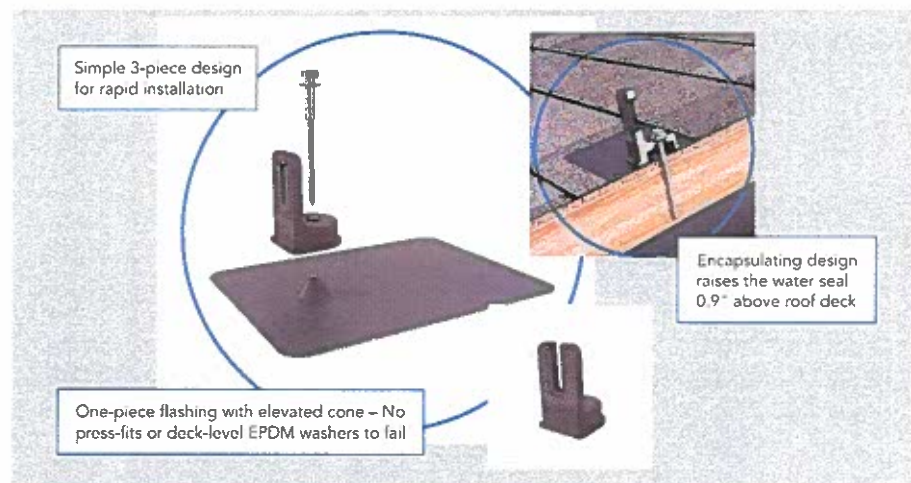
Module 6 was Performance Type

Please read the Safety and Installation Instructions 5-2627 for additional details.

SUNPOWER®

534092 Rev8

## COMP MOUNTS



### WATERTIGHT FOR LIFE

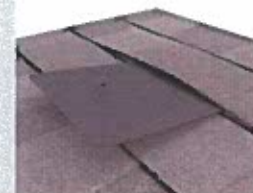
Pegasus Solar's Comp Mounts are a cost effective, high-quality option for rail installations on composition shingle roofs. Designed to last decades, the one-piece flashing with elevated cone means there is simply nothing to fail.

## COMP MOUNTS

1. Drill pilot hole in center of rafter.



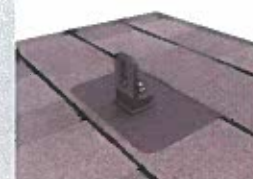
2. Optional: Apply a "U-shape" of sealant to underside of flashing and position under 2nd shingle course, cone over pilot hole.



3. Place L-Foot over cone and install lag with washer through L-Foot.



4. Drive lag to required depth. Attach rail per rail manufacturer's instructions



Specifications	Comp Mount Install Kits				
SKU	PSCR-CBB0	PSCR-UBB0	SPCR-CBBH	PSCR-CMM0	PSCR-UMM0
Finish	Black L-Foot and Black Flashing			Mill L-Foot and Mill Flashing	
L-Foot Type	Closed Slot	Open Slot	Closed Slot	Closed Slot	Open Slot
Kit Contents	L-Foot, Flashing, 5/16" x 4-1/2" SS Lag with metalized EPDM washer	L-Foot, Flashing, 5/16" x 4-1/2" SS Lag with metalized EPDM washer	L-Foot, Flashing, 5/16" x 4-1/2" SS Lag with metalized EPDM washer and M10 Hex Bolt	L-Foot, Flashing, 5/16" x 4-1/2" SS Lag with metalized EPDM washer	L-Foot, Flashing, 5/16" x 4-1/2" SS Lag with metalized EPDM washer
Roof Type	Composition Shingle				
Certifications	IBC, ASCE/SEI 7-16, AC208				
Install Application	Railed Systems				
Compatible Rail	Most				
Flashing Material	Painted Galvalume Plus			Galvalume Plus	
L-Foot Material	Aluminum				
Kit Quantity	24				
	72				



### 25-year Warranty

Manufactured with advanced materials and coatings to outlast the roof itself



### Superior Waterproofing

Tested to AC208 without sealant 0.9" elevated water seal



### Code Compliant

Fully IRC/CBC Code Compliant  
Exceeds ASCE 7-16 Standards



### All-In-One Kit Packaging

Flashings, L-Feet and SS lags with bonded EPDM washers are included in each 24-pack



## Simple and Fast Installation

- Integrated module-to-rail grounding
- Pre-assembled mid and end clamps
- Levitating mid clamp for easy placement
- Mid clamp width facilitates consistent, even module spacing
- UL 2703 Listed integrated grounding

## Flexible Design

- Addresses nearly all sloped residential roofs
- Design in landscape and portrait with up to 8' rail span
- Pre-drilled rails and rail splice
- Rails enable easy obstacle management

## Customer-Preferred Aesthetics

- #1 module and #1 mounting aesthetics
- Best-in-class system aesthetics
- Premium, low-profile design
- Black anodized components
- Hidden mid clamps and capped, flush end clamps

## Part of Superior System

- Built for use with SunPower DC and AC modules
- Best-in-class system reliability and aesthetics
- New optional rooftop transition flashing, rail-mounted J-box, and wire management rail clips
- Combine with SunPower modules and SunPower EnergyLink® monitoring app



## Elegant Simplicity

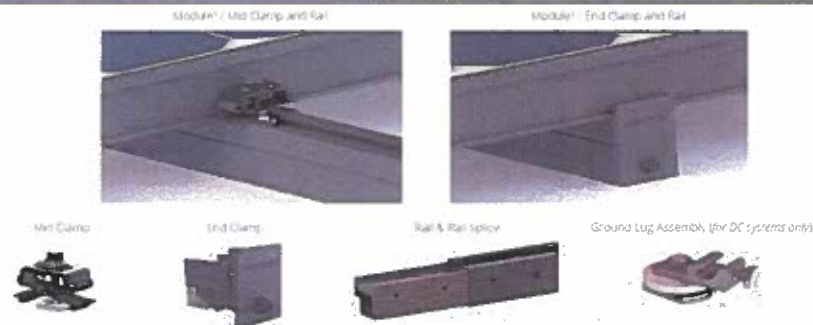
SunPower® InvisiMount™ is a SunPower-designed rail-based mounting system. The InvisiMount system addresses residential sloped roofs and combines faster installation time, design flexibility, and superior aesthetics. The InvisiMount product was specifically envisioned and engineered to pair with SunPower modules. The resulting system-level approach amplifies the aesthetic and installation benefits—for homeowners and for installers.

[sunpower.com](http://sunpower.com)



## SunPower® InvisiMount™ | Residential Mounting System

### InvisiMount Components



InvisiMount Component Details		
Mid clamp	Black oxide stainless steel 300 series	53 g (2.2 oz)
End clamp	Black anodized aluminum 6000 series	110 g (3.88 oz)
Rail	Black anodized aluminum 6000 series	530 g/m (9 oz/ft)
Rail splice	Aluminum alloy 6000 series	830 g/m (9 oz/ft)
Rail bolt	M10-1.5 x 25 mm DIN 933 SS304	nominal
Rail nut	M10-1.5 x DIN 934 SS304	nominal
Ground lug assembly	SS304 A2-70 best-in-place copper lug	166.5 g/m (3.75 oz)

InvisiMount Component LRFD Capacities <sup>1</sup>		
Mid clamp	Uplift	664 lbf
	Shear	540 lbf
End clamp	Uplift	599 lbf
	Shear	220 lbf
Rail	Moment: upward	548 lbf-ft
	Moment: downward	580 lbf-ft
Rail splice	Moment: upward	548 lbf-ft
	Moment: downward	580 lbf-ft
L-foot	Uplift	1000 lbf
	Shear	390 lbf

InvisiMount Operating Conditions	
Temperature	-40° C to 90° C (-40° F to 194° F)
Max. Load (LRFD)	• 3000 Pa uplift • 6000 Pa downforce

Roof Attachment Hardware Supported by Design Tool	
Application	• Composition Shingle Rafter Attachment • Composition Shingle Roof Deck Attachment • Curved and Flat Tile Roof Attachment • Universal interface for other roof attachments

InvisiMount Warranties And Certifications	
Warranties	• 25-year product warranty • 5-year finish warranty
Certifications	• UL 2703 Listed • Class A Fire Rated

Roof Attachment Hardware Warranties	
Refer to roof attachment hardware manufacturer's documentation	

<sup>1</sup> 1/3g

ware interoperability.

<sup>2</sup> SunPower recommends that all Equinox™, InvisiMount™, and AC module systems always be designed using the SunPower Design Tool. If a designer decides to instead use the component capacities listed in this document to design a system, note that the capacities shown are Load and Resistance Factor Design (LRFD) design loads, and are NOT to be used for Allowable Stress Design (ASD) calculations, and that a licensed Professional Engineer (PE) must then stamp all calculations. Should you have any questions, please contact SunPower Technical Support at 1-800-SUNPOWER (1-800-786-7693).

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[sunpower.com](http://sunpower.com)  
509506 RevF



## Improve Support, Reduce Costs

An intuitive monitoring website enables you to:

- See a visual map of customer sites
- Remotely manage hundreds of sites
- Remotely diagnose and troubleshoot system issues
- Drill down for the status of individual devices

## Add Value for Customers

With mySunPower™ monitoring customers can:

- Track their energy production by day, month, year and in different weather conditions
- See their energy use and estimated bill savings
- Maximize their savings with automatic system alerts and tips
- Customize storage settings and easily monitor and track available battery power
- Receive elective system reports

## SunPower® Monitoring—Plug-and-Play Installation

This complete solution for residential monitoring and control includes the SunPower® PV Supervisor (PVS) which improves the installation process, overall system reliability, and customer experience:

- Compact footprint for improved aesthetics
- Robust cloud connectivity and comprehensive local connectivity
- Flexible configuration of devices during installation
- Consumption metering
- Revenue-quality production metering
- Web-based commissioning
- Remote diagnostics of PVS and inverters
- Durable UL Type 3R enclosure helps reduce maintenance costs
- Easy integration with SunPower eBOS

## Robust Cloud Connectivity

Multiple options to maintain optimal connectivity:

- Hardwired Ethernet
- WiFi
- Cellular backup



[sunpower.com](http://sunpower.com)

SUNPOWER®

SunPower® Pro Fleet Management for Installers



mySunPower™ for Homeowners



PVS



SunPower® AC Modules



Site Requirements	
Number of modules supported per PVS	• 85 (SunPower AC modules)
Internet access	• High-speed internet access via accessible router or switch
Power	• 100-240 VAC (L-N), 50 or 60 Hz • 208 VAC (L-L in phase 3), 60 Hz

Mechanical	
Weight	• 5.5 lb (2.5 kg)
Dimensions	• 11.8 x 8.0 x 4.2 in. (30.5 x 20.5 x 10.8 cm)
Enclosure rating	• UL 50E Type 3R

Operating Conditions	
Temperature	• -22°F to +140°F (-30°C to +60°C)
Humidity (max.)	• 95% non-condensing

Warranty and Certifications	
Warranty	• 10-year Limited Warranty
Certifications	• UL, cUL, CE, UL 61010-1 and -2, FCC Part 15 (Class B)

Communication	
RS-485	• Supports string inverters, external meters, and other auxiliary devices
Integrated metering	• One channel of revenue-quality production metering • Two channels of consumption metering
Ethernet	• 1 LAN (or optional WAN) port
PLC	• Supports SunPower AC modules
WiFi	• 802.11b/g/n 2.4 GHz and 5 GHz
Cellular	• LTE Cat-M1/3G UMTS
ZigBee	• IEEE 802.15.4 MAC, 2.4 GHz ISM band
Data storage	• 60 days
Upgrades	• Automatic firmware upgrades

Web and Mobile Device Support	
Customer site	• <a href="http://mysunpower.com">mysunpower.com</a>
Partner site	• <a href="http://monitor.sunpower.com">monitor.sunpower.com</a>
Browsers	• Firefox, Safari, and Chrome
Mobile devices	• iPhone®, iPad®, and Android™
Customer app	1 Create account online at <a href="http://mysunpower.com">mysunpower.com</a> 2 On a mobile device, download the SunPower Monitoring app from Apple App Store or Google Play™ Store 3 Sign in using account email and password



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320536 Rev D

## Product data sheet

### Characteristics

## DU323RB

Safety switch, general duty, non fusible, 100A,  
3 poles, 30 hp, 240 VAC, NEMA 3R, bolt-on  
provision

Product availability : Stock - Normally stocked in distribution facility



Price\* : 816.00 USD



### Main

Product	Single Throw Safety Switch
Current Rating	100 A
Certifications	UL listed file E2875
Enclosure Rating	NEMA 3R
Disconnect Type	Non-fusible disconnect switch
Factory Installed Neutral	None
Mounting Type	Surface
Number of Poles	3
Electrical Connection	Lugs
Duty Rating	General duty
Voltage Rating	240 V AC
Wire Size	AWG 14...AWG 1 copper AWG 12...AWG 1 aluminium

### Complementary

Short-circuit withstand	200 kA
Maximum Horse Power Rating	15 hp 240 V AC 60 Hz 1 phase NEC 430.52 30 hp 240 V AC 60 Hz 3 phase NEC 430.52
Tightening torque	35 lbf.in (3.95 N.m) 0.00...0.01 in <sup>2</sup> (2.08...5.26 mm <sup>2</sup> ) AWG 14...AWG 10) 35 lbf.in (3.95 N.m) AWG 14...AWG 10) 40 lbf.in (4.52 N.m) 0.01 in <sup>2</sup> (8.37 mm <sup>2</sup> ) AWG 8) 45 lbf.in (5.08 N.m) 0.02...0.03 in <sup>2</sup> (12.3...21.12 mm <sup>2</sup> ) AWG 6...AWG 4) 50 lbf.in (5.65 N.m) AWG 3...AWG 1)
Height	17.5 in (444.50 mm)
Width	10.5 in (266.70 mm)

\* Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price

Mar 28, 2021



1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific use applications

## Product data sheet

### Characteristics

## D223NRB

Safety switch, general duty, fusible, 100A, 2  
poles, 30 hp, 120 VAC, NEMA 3R, bolt-on  
provision, neutral factory installed

Product availability : Stock - Normally stocked in distribution facility



Price\* : 480.00 USD



### Main

Product	Single Throw Safety Switch
Current Rating	100 A
Certifications	UL listed file E2875
Enclosure Rating	NEMA 3R
Disconnect Type	Fusible disconnect switch
Factory Installed Neutral	Neutral (factory installed)
Short Circuit Current Rating	100 kA maximum depending on fuse H, K or R
Mounting Type	Surface
Number of Poles	2
Electrical Connection	Lugs
Duty Rating	General duty
Voltage Rating	240 V AC
Wire Size	AWG 14...AWG 1 copper AWG 12...AWG 1 aluminium

### Complementary

Maximum Horse Power Rating	7.5 hp 240 V AC 60 Hz 1 phase NEC 240.6 15 hp 240 V AC 60 Hz 3 phase NEC 240.6 15 hp 240 V AC 60 Hz 1 phase NEC 430.52 30 hp 240 V AC 60 Hz 3 phase NEC 430.52
Tightening torque	35 lbf.in (3.95 N.m) 0.00...0.01 in <sup>2</sup> (2.08...5.26 mm <sup>2</sup> ) AWG 14...AWG 10) 40 lbf.in (4.52 N.m) 0.01 in <sup>2</sup> (8.37 mm <sup>2</sup> ) AWG 8) 35 lbf.in (3.95 N.m) AWG 14...AWG 10) 45 lbf.in (5.08 N.m) 0.02...0.03 in <sup>2</sup> (12.3...21.12 mm <sup>2</sup> ) AWG 6...AWG 4) 50 lbf.in (5.65 N.m) AWG 3...AWG 1)
Height	17.5 in (444.50 mm)

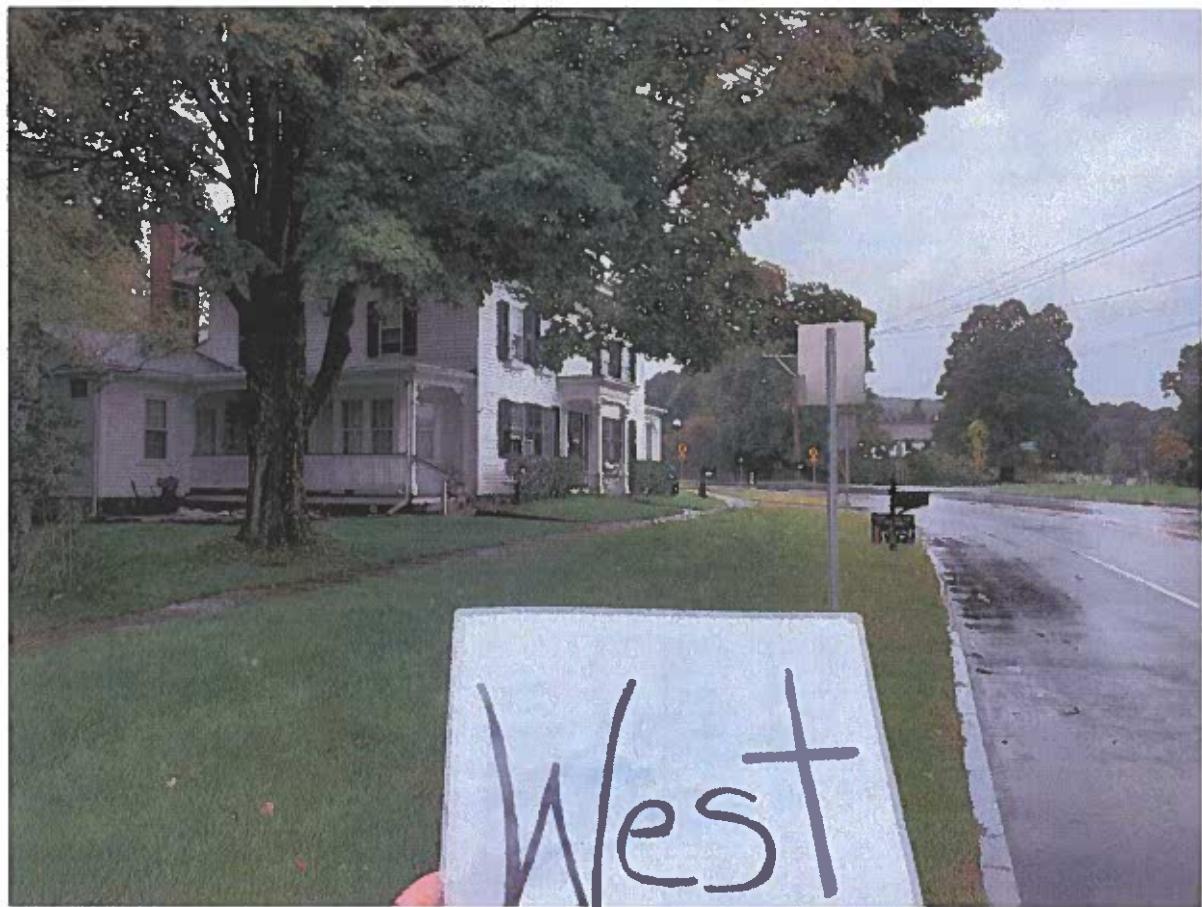
\* Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price

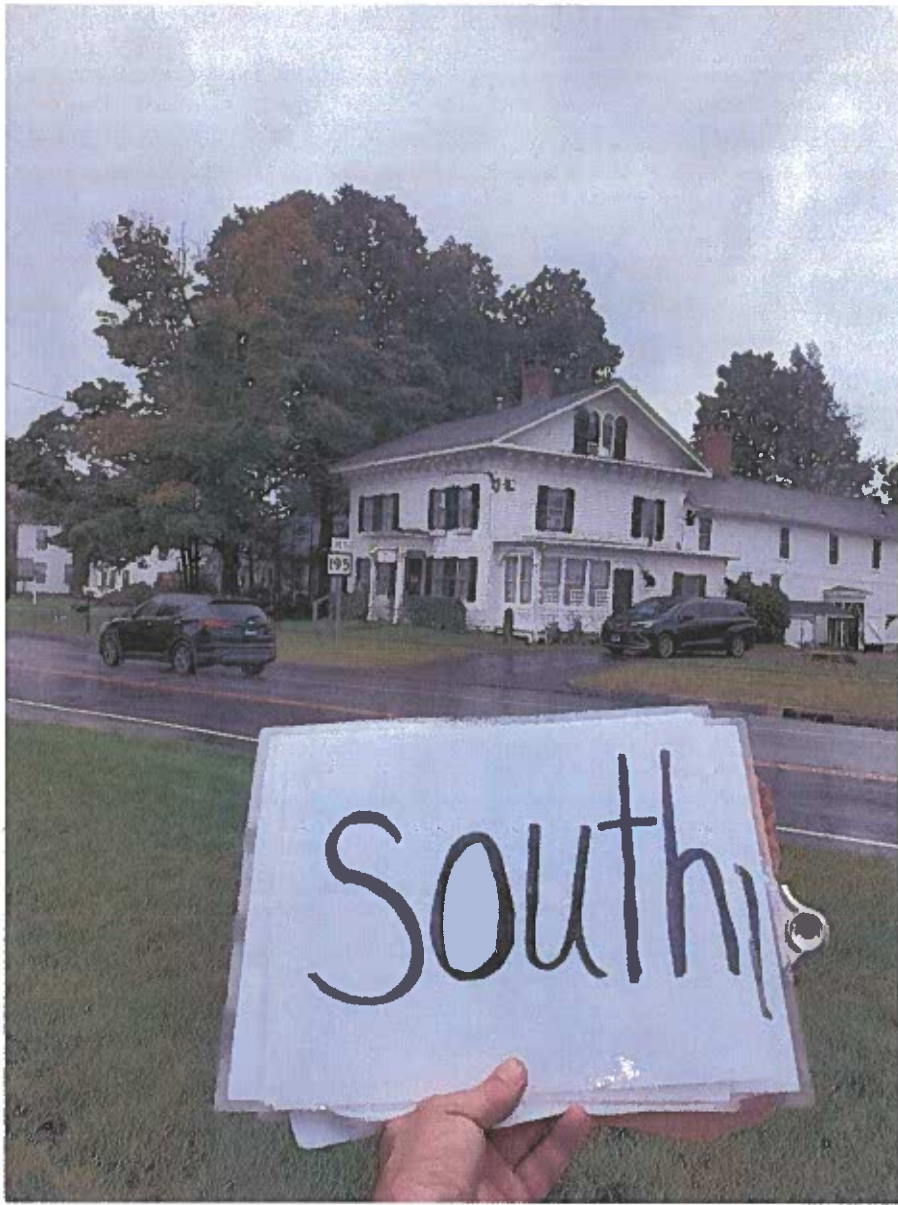
Mar 28, 2021



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## Laura Smith

---

**From:** Lisa Day-Lewis [REDACTED]  
**Sent:** Tuesday, November 2, 2021 11:18 AM  
**To:** Laura Smith  
**Subject:** [EXTERNAL]Re: COA 63 Tolland Green

Hi Laura! Yes I will.

I was also thinking it would be helpful to put the link below in the packet. It is the link that is on the Historic District's website under "Other Resources" and gives some guidelines for Solar Panels in Historic Districts. If board members aren't yet familiar with it they should probably review it prior to attending the meeting, as the Historic Committee attests to follow guidance from these standards.

<https://www.nps.gov/tps/sustainability/new-technology/solar-on-historic.htm>

Specifically, there is one example (The Vermont Residence) where it is stated that the panels

"Though visible, these few panels have relatively little impact on the historic character of the property."

I think it's important that the argument be made that while some very small amount of the rear roof will be visible from the road in the winter while looking directly towards the back of the house (so not a natural focal point when passing by) that need not disqualify the project from going forward, according to these standards.

Included below are 4 photos taken from the sidewalk leading up to the house. As you will see, the second photo, taken while standing in front of my neighbor's house is the only photo that has a view of any part of the roofs that would contain solar. And actually, according to the plan, I am not even 100% certain they will be back that far, as the panels do not extend to the very end of the roof.

My solar consultant was going to have his assistant mock up a photo of that portion of the roof with the panels. If and when he does I will pass it along.

Hope this helps!

Lisa









# Technical Preservation Services



[Home](#) > [Sustainability](#) > [New Technology](#) > Solar Panels

## Solar Panels on Historic Properties

### Overview

### On a New Addition

### On a Flat Roof

### Pole-Mounted Array

### On a Low-Slope Gable

### On a Cross Gable

### On a Rear Porch Roof

### Avoided Impact

Additional examples will be added to this site over time, so please check back to see more installations of solar panels on historic properties.



## Installing Solar Panels and Meeting the Secretary of the Interior's Standards

Solar panels installed on a historic property in a location that cannot be seen from the ground will generally meet the Secretary of the Interior's Standards for Rehabilitation. Conversely, an installation that negatively impacts the historic character of a property will not meet the Standards. But what about the grey area between out-of-sight and obviously obtrusive installations?

Although every project is different and must be evaluated on its own merit, the National Park Service has developed this information on how to apply the Standards to the installation of solar panels.



This "invisible" installation of solar panels on a historic industrial building—hidden behind a low parapet—meets the *Standards for Rehabilitation*.

**First Example**



This installation negatively impacts the character of this mid-twentieth century house and does not meet the *Standards*.

# Technical Preservation Services



[Home](#) > [Sustainability](#) > [New Technology](#) > [Solar Panels](#) > On a Low-Slope Gable

## Solar Panels on Historic Properties

### Overview

### On a New Addition

### On a Flat Roof

### Pole-Mounted Array

### On a Low-Slope Gable

### On a Cross Gable

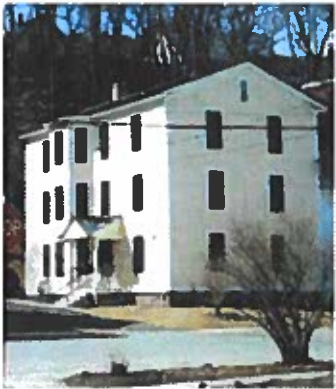
### On a Rear Porch Roof

### Avoided Impact

Additional examples will be added to this site over time, so please check back to see more installations of solar panels on historic properties.

## Vermont Residence

The gable end of this historic apartment building faces the street. Low profile solar collectors for a water heating system were flush mounted on the sloped roof on the south side of the gable. Though visible, these few panels have relatively little impact on the historic character of the property. However, if the roof had been a more prominent feature of the property, this installation may not have been appropriate.



Low-profile solar collectors located on the south side of the gable roof are minimally visible.

## Laura Smith

---

**From:** Lisa Day-Lewis [REDACTED]  
**Sent:** Friday, November 5, 2021 10:49 AM  
**To:** Laura Smith  
**Subject:** [EXTERNAL]More photos

Hi Laura!

The DOT came by and removed a tree from the front left of our property so I did a walk around the green and snapped some more photos of the house from different angles.

The tree removal did not actually change the visibility to the back at all, there is still only one angle (photo 10) where a small view of the rear roof is visible from in front of the neighbors house, but I included a bunch more recent photos to add to the package.

Hope this helps!  
Have a great weekend.

Lisa









SCENIC  
ROAD

























# Agenda Item 5.2

## Laura Smith

---

**From:** Linda Calabrese [REDACTED]  
**Sent:** Friday, November 12, 2021 12:50 PM  
**To:** Laura Smith  
**Subject:** [EXTERNAL]63 Tolland Green Solar Application  
**Attachments:** Historic District re Day-Lewis solar panels.docx

Laura, please provide the attached letter from Tom and me to the Historic District Commission for their meeting on November 17th.

I understand that, at the prior meeting, our letter was not read nor was it entered into the minutes. Apparently the chair read the letter and conveyed only that we had supported the fence at 63.

At this moment I wish to reiterate the request to have the chair read the letter in its entirety during the meeting. Our intention is not simply to blindly support our neighbor, it is to discuss our understanding and reasons for having made this decision. We hope to provide reassuring and relevant information and published sources which led to our own opinions. Persuasion is generally considered a relevant element of any thoughtful decision.

Thank you for your assistance!

Sent from [Mail](#) for Windows

To the Tolland Green Historic Commission, please read this letter at your hearing and enter it into the minutes as well.

We are Linda Calabrese and Thomas Calabrese at 59 Tolland Green, immediately South of the Day-Lewis property at 63 Tolland Green, and which is the subject of this action.

After reviewing a number of sites addressing the acknowledged need to accommodate solar access in locally recognized historic districts, it's clear that the overarching goal is to "preserve character-defining features and historic fabric . . . to the greatest extent possible". \*

The roof of the main building is parallel to the road. The side away from the road, not visible therefrom, is the site of part of the installation. The building extends back and behind the original structure, forming an el perpendicular to the road. The 90 degree corner which is created is the location of all of the proposed solar panels. Neither of these roof sections is a primary façade. None of the panels will be visible from the road on the East or North approaches. They would also not be easily visible from the South approach as our own house is in the way and any glimpse would be fleeting and unnaturally high for drivers or pedestrians. For most of the year foliage and hedge growth would block the view of any of panels entirely.

The only clear view of this installation would be from our home or yard. We fully support the Day-Lewis family in their goal to capture the sun's energy in this considerate and responsible manner.

Respectfully,

Linda C Calabrese

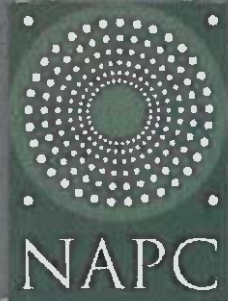
Thomas E Calabrese

References ~

\*National Alliance of Preservation Commissions "Sample Guidelines for Solar Systems"

National Park Service Technical Preservation Services "Solar Panels on Historic Properties"

Energy News Network "Connecticut Historic Preservation Boards Warming Up to Solar Panels"



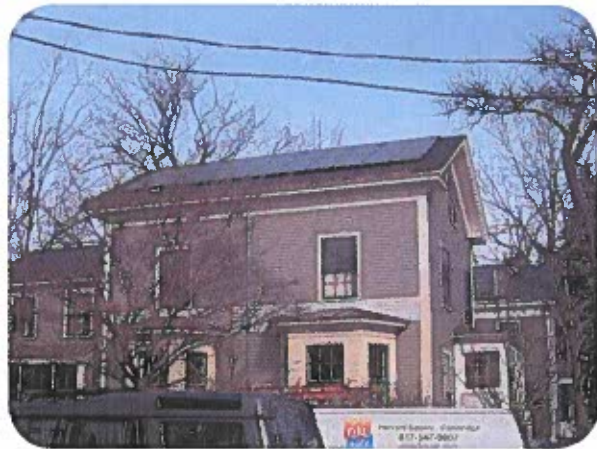
National Alliance of Preservation Commissions

# Sample Guidelines for Solar Systems in Historic Districts

education + advocacy + training

The rapidly growing trend toward retrofitting homes to be more energy efficient has brought an increase in the number of applications for installing solar energy systems on buildings within locally designated historic districts. The increase in solar systems applications in recent years has prompted numerous local preservation commissions to hastily develop guidelines for them with varying degrees of success.

The following Sample Guidelines for Solar Systems for Locally Designated Historic Properties were developed in 2009 by Kimberly Kooles, NAPC support staff and revised by Caty Rushing in 2011. They are intended to serve as a starting point for local preservation commissions developing their own guidelines for solar systems.



# Types of Systems:

- **Photovoltaic**

A photovoltaic system (or PV system) is a system which uses one or more solar panels to convert sunlight into electricity. It consists of multiple components, including the photovoltaic modules, mechanical and electrical connections and mountings and means of regulating and/or modifying the electrical output.



- **Solar Shingles**

Solar shingles, also called photovoltaic shingles, are solar cells designed to look like conventional asphalt shingles. There are several varieties of solar shingles, including shingle-sized solid panels that take the place of a number of conventional shingles in a strip, semi-rigid designs containing several silicon solar cells that are sized more like conventional shingles, and newer systems using various thin film solar cell technologies that match conventional shingles both in size and flexibility.



- **Freestanding**

Freestanding PV panels or freestanding arrays allow the benefits of renewable solar power without disrupting the roofline or altering the house. They are placed away from the residence and connected through an underground wiring. When a roof may be blocked by trees or not receiving direct sunlight, the mobility of a freestanding panel allows the ability to move into optimal sunlight areas that may change seasonally.



# Sample Guidelines for Solar Systems for Locally Designated Historic Projects

When planning the installation of solar panels the overall objective is to preserve character-defining features and historic fabric while accommodating the need for solar access to the greatest extent possible. All solar panel installations must be considered on a case by case basis recognizing that the best option will depend on the characteristics of the property under consideration. Some guidelines apply to virtually all installation options and are repeated in each section.

All solar panel installations should conform to the Secretary of the Interior's Standards for Rehabilitation.

Applicable Standards are:

**Standard Two:** The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

**Standard Nine:** New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.



# 1 Primary Elevations

*For most properties, locating solar panels on the primary facade is the least desirable option because it will have the greatest adverse effect on the property's character defining features. All other options should be thoroughly explored.*

- Utilization of low-profile solar panels is recommended. Solar shingles laminates, glazing, or similar materials should not replace original or historic materials. Use of solar systems in windows or on walls, siding, and shutters should be avoided.
- Panels should be installed flat and not alter the slope of the roof. Installation of panels must be reversible and not damage to the historic integrity of the resource and district.
- Solar panels should be positioned behind existing architectural features such as parapets, dormers, and chimneys to limit their visibility.
- Use solar panels and mounting systems that are compatible in color to established roof materials. Mechanical equipment associated with the photovoltaic system should be treated to be as unobtrusive as possible.



*These solar panels low profile and location make them unobtrusive even though they are visible from the public right of way. Photo by Paul Trudeau*

## 2 Secondary Elevations

- Solar panels should be installed on rear slopes or other locations not easily visible from the public right-of-way. Panels should be installed flat and not alter the slope of the roof. Installation of panels must be reversible and not damage the historic integrity of the resource and district.
- Flat roof structures should have solar panels set back from the roof edge to minimize visibility. Pitch and elevation should be adjusted to reduce visibility from public right-of-way.
- Solar panels should be positioned behind existing architectural features such as parapets, dormers, and chimneys to limit their visibility.

## 2 Secondary Elevations (Continued)

- Use solar panels and mounting systems that are compatible in color to established roof materials. Mechanical equipment associated with the solar panel system should be painted or treated to be as unobtrusive as possible
- Use of solar systems in non-historic windows or on walls, siding, or shutters should be installed as to limit visibility from the public right of way.

## 3 Historic Accessory Structures



*Solar panels placed on an accessory structure not visible from the public right of way should still follow the slope of the roof and have a low profile. Photo courtesy of Dan Corson*

- Solar panels should be installed on rear slopes or other locations not highly visible from the public right-of-way. Panels should be installed flat and not alter the slope of the roof. Installation of panels must be reversible and not damage the historic integrity of the resource and district.
- Flat roof structures should have solar panel installations set back from the roof edge to minimize visibility. Pitch and elevation should be adjusted to reduce visibility from public right-of-way.
- Solar panel installations should be positioned behind existing architectural features such as parapets, dormers, and chimneys to limit their visibility.
- Use solar panels and mounting systems that are compatible in color to the property's roof materials. Mechanical equipment associated with the photovoltaic system should be as unobtrusive as possible.
- Use of solar systems in non-historic windows or on walls, siding and shutters should be installed as to limit visibility from the public right of way.

## 4 Freestanding or Detached

- Freestanding or detached on-site solar panels should be installed in locations that minimize visibility from the public right of way. These systems should be screened from the public right of way with materials elsewhere in the district such as fencing or vegetation of suitable scale for the district and setting.
- Placement and design should not detract from the historic character of the site or destroy historic landscape materials.



Freestanding solar panels should be installed in locations that minimize visibility from the public right of way.

*Consideration to the visibility of solar panels from neighboring properties should be taken, without infringing upon the required solar access.*

## 5 New Construction On-Site

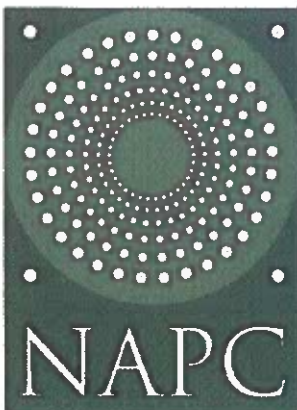
- Solar panels should be integrated into the initial design of new construction or infill projects, when possible, to assure cohesion of design within a historic context.
- Solar panels should be installed on rear slopes or other locations not highly visible from the public right of way whenever possible. Panels should be installed flat and not alter the slope of the roof.
- Flat roof structures should have solar panels set back from the roof edge to minimize visibility. Pitch and elevation should be adjusted to reduce visibility from the public right-of-way.
- Use solar panels and mounting systems that are compatible in color to established roof materials. Mechanical equipment associated with the solar panel system should be treated to be as unobtrusive as possible.
- Use of solar systems in windows or on walls, siding, or shutters should be installed with limited visibility from the public right-of-way.

# Not Recommended for Any Reason

- Removal of historic roofing materials during the installation of solar systems.
- Removing or otherwise altering historic roof configuration – dormers, chimneys, or other features – to add solar systems.
- Any other installation procedure that will cause irreversible changes to historic features or materials.

*When considering retrofitting measures, historic building owners should keep in mind that there are no permanent solutions. One can only meet the standards being applied today with today's materials and techniques. In the future, it is likely that the standards and the technologies will change and a whole new retrofitting plan may be necessary. Thus, owners of historic buildings should limit retrofitting measures to those that achieve reasonable energy savings, at reasonable costs, with the least intrusion or impact on the character of the building.*

(National Park Service. Preservation Brief 3: Conserving Energy in Historic Buildings. Available from <http://www.nps.gov/history/hps/TPS/briefs/brief03.htm#Preservation%20Retrofitting>. Accessed on August 10, 2009.)



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## ENERGY NEWS NETWORK

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NEWS NORTHEAST

# Connecticut historic preservation boards warming up to solar panels



by **Meg Dalton**  
March 4, 2019

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A historic district in New London, Connecticut. Credit: John Phelan via Wikimedia Commons

*Historic preservation boards are seeing more requests related to solar panels and increasingly finding compromise.*

Historic preservation boards are increasingly finding ways to compromise with homeowners who want to install solar panels in historically significant areas.

The acceptance of solar comes as technology helps to make systems less obtrusive, and also as more historic preservationists recognize the urgency to address climate change.

Cases involving solar panels are also becoming more common. In Connecticut, about a tenth of the state's 3,000 historic preservation cases last year involved solar installations. That's a significant increase from five years ago, said Todd Levine, an architectural historian for the state's preservation office.

Of those 300 solar cases, only 10 were concluded to have adverse effects, but even in those cases the state office was able to work with stakeholders and ultimately approve them all.

"In some ways, the solar panels help the historic structure and don't harm it," said Catherine Labadia, deputy state historic preservation officer. "That's not to negate the few cases when it's bad."

The National Trust for Historic Preservation and the Department of the Interior recommend installing solar panels on the area least visible to the public or on any new addition on the property, like a garage. Typically, historic commissions don't want panels on the principal facade of the building facing the public right-of-ways. If they have to be on the roof, it's better to have them on the non-street-facing part, or even ground-mounted in a backyard. They also suggest solar panels and mounting systems that match the roof's color scheme. In general, the lower the profile the better.

‘In some ways, the solar panels help the historic structure and don’t harm it.’

While the Department of the Interior provides guidance for installs in historic districts, the responsibility ultimately falls on the local historic commissions. In Connecticut, the state historic preservation office also provides resources and guidance, as well as handles cases that require state or federal permitting.

In New Haven, Connecticut, a home in one of the city’s three historic neighborhoods is the latest to successfully petition for approval from its local Historic District Commission. Nestled on a sunny street corner in Fair Haven, the single-family home received immediate approval from the commission last month to install a rooftop solar array, despite a few hiccups during the approval process.

Trinity Solar, the company behind the install, approached the commission in January with a mea culpa after starting the installation before getting formal approval from the commissioners. After realizing its mistake, the company apologized and temporarily stopped the installation, deciding to wait for the commission’s approval before proceeding. Since the planned solar array was street-facing and highly visible, the commission’s approval was critical.

After making some adjustments — including moving some equipment inside — Trinity Solar received unanimous approval for the three-panel array on the home’s rooftop. This case is one example of the evolving relationship between historic preservation and green technology in Connecticut and across the nation.

“It’s something people want to see happen and in a way that respects historic integrity in these buildings,” said Elizabeth Holt, director of preservation services at the New Haven Preservation Trust.

That hasn't always been the view of historic preservationists. Several cities and towns have pushed back against solar on certain properties, believing it would compromise their historic character. In Washington, D.C, a local commission denied homeowners from installing visible rooftop solar panels on their house in the historic Cleveland Park district in 2013. This year, the same commission loosened its restrictions, allowing for visible solar panels, at least in some cases.

"I have a sense that there's rapidly growing sophistication among preservationists that there's a societal mandate to achieve greater sustainability and energy efficiency," said Anthony Veerkamp, director of policy development at the National Trust for Historic Preservation.

He only has an anecdotal sense of what's happening on the ground, but noted a shift from commissions defaulting to "no." More boards seem open to working with property owners, whether that means adjusting where to situate an array, or opting for ground-mounted panels instead. He attributes the shift partially to improved technology, with solar panels becoming more streamlined in recent years, as well as the emergence of solar roof tiles. It's analogous to television antennas or satellite dishes. "First, TVs were the size of car, and now they're the size of pizza pan," Veerkamp said.

Plus, a home solar installation can make a difference for state or city climate goals. Municipalities can't just rely on new housing to reduce carbon footprints; they need to maximize older stock, too.

"I want to believe historic commissions around country are looking for ways that historic buildings can help contribute to reaching carbon goals," Veerkamp said.

As a preservationist, Holt thinks the realities of climate change mean that preservation and sustainability must go hand in hand. New Haven's commission has become flexible and collaborative, and she believes they can do that while still championing New Haven's historic architecture.

“Each case should be reviewed individually to find a solution that respects the historic integrity of the building and maximizes the effectiveness of the solar panels,” she said.

At the state level, the historic preservation office has partnered with the quasi-public clean energy agency, the **Connecticut Green Bank**, to mitigate any adverse effects installs could have on historic properties. Together, they’re developing a publication they plan to distribute in the coming months outlining best practices on the intersection of energy efficiency, renewable energy, and historic preservation.



## MEG DALTON

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Meg is a freelance journalist and audio producer based in Connecticut who reports on the environment, gender and media. She’s reported and edited for the Columbia Journalism Review, PBS NewsHour, Architectural Digest, MediaShift, Hearst Connecticut newspapers, and more. In addition, her audio work has appeared on WSHU, Marketplace, WBAI, and NPR. Meg covers Connecticut and Rhode Island.

**More by Meg Dalton**

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# Regular Meeting

# Agenda Item 2.1

# Agenda Item 2.2

# Agenda Item 2.3

# Agenda Item 4

**MINUTES**  
**TOLLAND GREEN HISTORIC DISTRICT COMMISSION**  
Wednesday, October 20, 2021 at 7:00 p.m.  
**REMOTE MEETING**

Public Hearing

1. Call to Order at 7:04 PM

2. Roll Call

Jodie Coleman-Marzialo, Chair, Rod Hurtuk, Vice-Chair, Tim Malone, Ann Deegan and Kathy Bach, Co-Clerks

Guests: Tom and Linda Calabrese, Brenda Falusi, Town Council liaison

3. 89 Tolland Green POSTPONED due to absence

3.1 Consideration of Application for a COA for a fence made of wood lattice

3.2 Neighbor comments, both for and against

3.3 Close of Public Hearing

4. 59 Tolland Green

4.1 Consideration of Application for a COA for front porch remodel and replacement of the window – Commissioners reviewed the application complete with photos. There were some questions discussion about the style and make-up of the window to be used in the upper eave. Additionally, there were questions about the posts for the proposed porch.

4.2 Neighbor comments, both for and against – None

4.3 Close of Public Hearing Regular Meeting – Motion to close the PH by Kathy Bach, 2<sup>nd</sup> by Rod Hurtuk, Vote Unanimous.

Regular Meeting

1. Call to Order at 7:32 PM

2. New Business

2.1 Determination of COA for 89 Tolland Green and vote thereon NO ACTION

2.2 Determination of COA for 59 Tolland Green and vote thereon – Motion to grant a COA for 59 Tolland Green for a.) 3 over 1 pane window fabricated of wood in the front eave and b.) porch remodel/repairs as presented, by Rod Hurtuk, 2<sup>nd</sup> by Kathy Bach, Vote Unanimous.

2.3 Discuss gazebo inquiry at 63 Tolland Green to determine if a COA is needed - POSTPONED

3. Miscellaneous

3.1 Discuss 2022 meeting schedule, Officers, and terms – Motion to approve the 2022 schedule as presented and to continue to meet remotely until further notice by Kathy Bach, 2<sup>nd</sup> Ann Deegan, Vote Unanimous. Motion to maintain the current slate of officers in 2022 by Rod Hurtuk, 2<sup>nd</sup> Ann Deegan, Vote Unanimous. Kathy agreed to another 5 year term.

3.2 The chair discussed adding additional period street lights on TSR/RT 74 toward the Creative School for the Arts. Possible funding sources are DOT since it was discussed in the recent road project, Sustainable CT, ARP (American Rescue Plan), Hartford Foundation for Giving and the Community Fund in town, the new to be hired Tolland grant writer.

Traffic concerns - Call the Resident Trooper directly at 860.875.8911.

4. Approval of Minutes from September 15, 2021 Regular Meeting – Motion to Approve by Rod Hurtuk, 2<sup>nd</sup> by Tim Malone, Vote Unanimous

5. Adjournment - Motion to adjourn made at 8:22 by Rod Hurtuk. 2<sup>nd</sup> by Ann Deegan, Vote Unanimous

Respectfully submitted,

Kathy Bach, Commissioner Clerk