Funding submission

1842 Juniper Ln / project record

1842 Juniper Ln

Sunrun M1 / solar + storage / source-indexed review

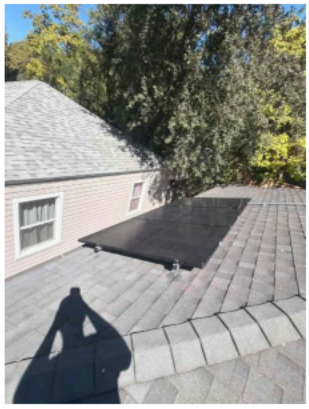
PV system	12 x 440 W modules / 5.28 kW DC
Storage	1 x Tesla Powerwall 3
Current design	Revision 03 / roof plan and electrical diagram
Project permit	DEMO-01842 / fictional identity
Field evidence	Roof array, wiring, grounding, flashing and equipment
Documents	Commissioning record and installer verification

REVIEW CONTENTS

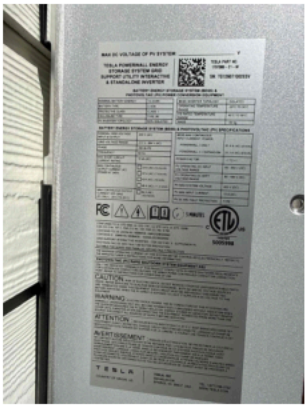
02 Roof plan / 03 Permit / 04 Installation evidence

05 Commissioning / 06 Installer verification / 07 Electrical diagram

08 Evidence index / 09 Roof detail photos / 10 Equipment photo record







Real field evidence in a fictional project. Financier approval is not represented.

MOUNTING ROOFS DETAILS

ROOF	TILT	AZIMUTH	PANELS COUNT
#1	23°	139°	9
#2	23°	319°	3

ROOF AREA COVERED BY THE ARRAY		
ARRAY AREA (Sq. Ft.)	TOTAL ROOF AREA (Sq. Ft.)	ARRAY COVERAGE (%)
251.99	1172	21.50

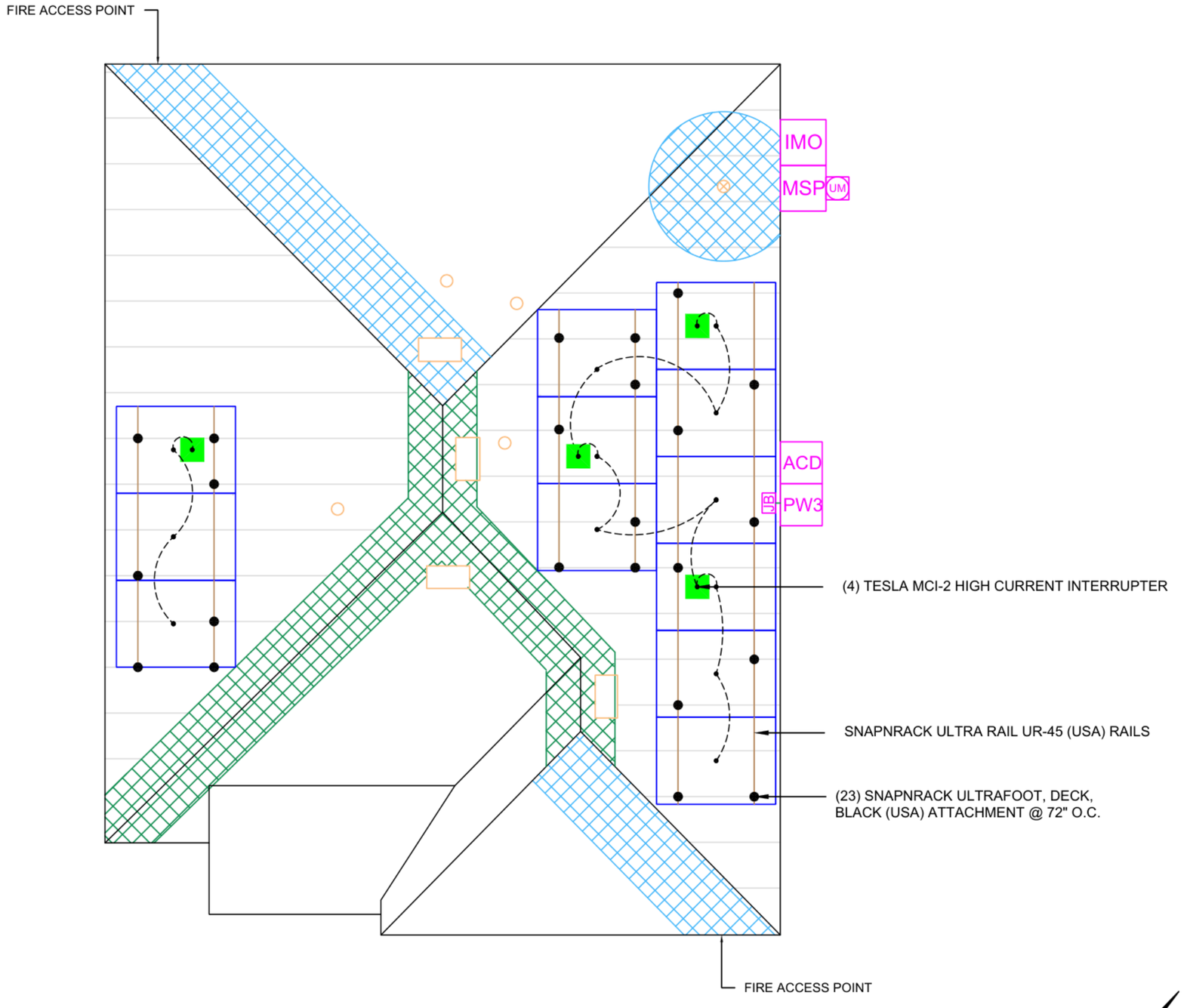
SILFAB SOLAR SIL-440QD-DCB4	
TOTAL NUMBER	12 MODULES
PANEL WEIGHT	46.3 LBS
PANEL DIMENSIONS	67.8 x 44.6 INCHES
WEIGHT/SF	2.20 PSF

BUILDING INFORMATIONS AND DESIGN CRITERIA	
ZONING	RESIDENTIAL
CONSTRUCTION	SFD
ROOF TYPE	COMPOSITION SHINGLES
ROOF FRAMING	2x4 RAFTERS @ 24.O.C
RISK CATEGORY	II
EXPOSURE CATEGORY	B
SNOW LOAD (ASCE 7-22)	11 lb/SQFT
WIND SPEED (ASCE 7-22)	94 MPH

PANEL HEIGHT OFF ROOF	4"

LEGEND

- JB — (N) JUNCTION BOX
- UM — (E) UTILITY METER
- MSP — (E) MAIN SERVICE PANEL (MSP)
- ACD — (N) LOCKABLE AC DISCONNECT
- IMO — (N) EMERGENCY DISCONNECT
- PW3 — (N) TESLA POWERWALL 3
- - PLUMBING/ ATTIC VENTS
- - ROOF ATTACHMENT
- -3/4" EMT CONDUIT
- 18" SETBACKS
- 36" SETBACKS



1 ROOF PLAN & MODULES

SCALE: 1" = 5'

RIDGELINE SOLAR

SAMPLE PROJECT

1842 Juniper Ln

REVISION 03
2026-10-07

12 x 440 W PV
5.28 kW DC
Tesla Powerwall 3

DEMO ONLY

Adapted source sheet. Not for construction or submission.

ROOF PLAN & MODULES

PV-01

SAMPLE / FICTIONAL IDENTITY / NOT FOR CONSTRUCTION

Permit record

Actual form layout / identities removed and replaced

PERMIT: DEMO-01842 / SAMPLE RECORD

RIDGELINE DEMO

Residential solar + storage

Fictional project record

Not a government approval

PERMIT TYPE
ELECTRICAL RESIDENTIAL

PERMIT SUB-TYPE
ROOF TOP PHOTOVOLTAIC SYSTEM 707

PARCEL / VALUE: OMITTED

DESCRIPTION
RES RRFTP SOLAR PV 5.28kW, ESS

APPLICATION: 2026-10-07

ISSUED: 2026-10-08 (SAMPLE)

PLAN: REVISION 03

INSPECTION: NOT REPRESENTED

PERMIT INFORMATION		FEE SUMMARY
SITE	1842 JUNIPER LN / FICTIONAL JOB	PROJECT FEES REMOVED
APPLICANT	RIDGELINE SOLAR / DEMO	
OWNER	CUSTOMER IDENTITY REMOVED	
CONTRACTOR	RIDGELINE SOLAR / DEMO	

NOTE: This job copy of this permit shall be kept on the job site to make the required entries thereon. The permit will expire if work is not started in 180 days, is abandoned, or does not receive an inspection for more than 180 days. Additional fees will be collected to renew expired permits. This is a Building Permit when properly filled out, signed and validated, and is not transferable. Construction Hour: Construction is limited to the hours of 7:00am to 7:00pm each day. No work shall be performed on certain holidays (MMC V-213-3(b)).

LICENSED CONTRACTORS DECLARATION

I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.
License No: Expiration Date: Contractor:

OWNER-BUILDER DECLARATION

I hereby affirm under penalty of perjury that I am exempt from the contractors license Law for the following reason (Sec. 7031.5, Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractors License Law (Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Pofessions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by an applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500).):

_____ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner or property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burdon of proving that he or she did not build or improve for the purpose of sale.)

_____ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044, Business and Professions Code: The Contractors License Law does not apply to an owner or Property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractors License Law.)
I am exempt under Sec. _____ B.P.C. for this reason _____
DATE _____ OWNER _____

WORKERS COMPENSATION DECLARATION

I hereby affirm under penalty of perjury one of the following declarations:
_____ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the permit is ussued.

_____ I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are:
Carrier/Policy No: _____
(This section need not be completed if the permit is for one hundred dollars ($100) or less).
_____ I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any number so as to become subject to the workers' compensation laws or California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.
DATE _____ APPLICANT: _____
WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

CONSTRUCTION LENDING AGENCY

I hereby affirm under penalty of perjury that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).
DATE _____ APPLICANT: _____
* I certify that I have read this application and state that the above information is correct. I agree to comply with all city ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection purposes.
SIGNATURE OF APPLICANT OR AGENT: _____ DATE _____

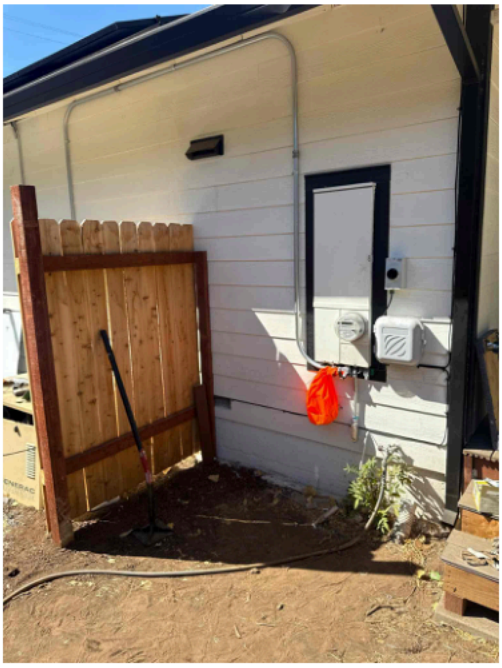
INSPECTION SUMMARY

___ FINAL ELECTRICAL**

Permit Finaled Date: _____ **Inspector Name:** _____ **Signature:** _____

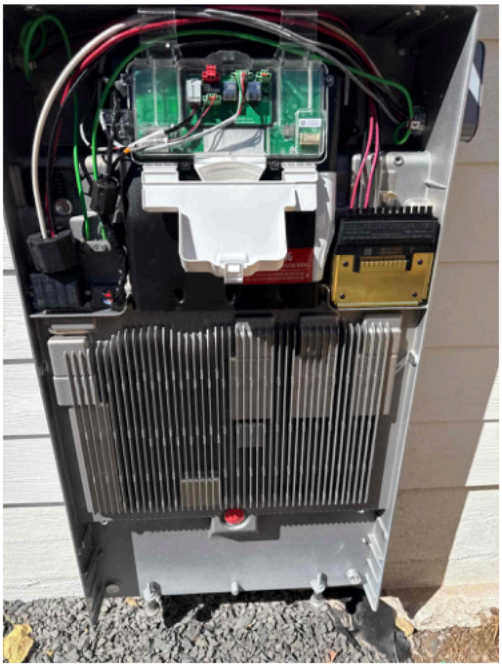
Installation evidence

Equipment and array views / source photographs



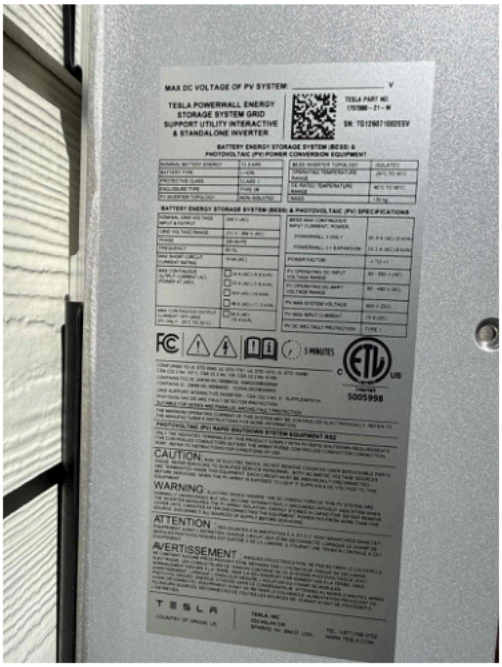
E-02 / Equipment wall

Context view



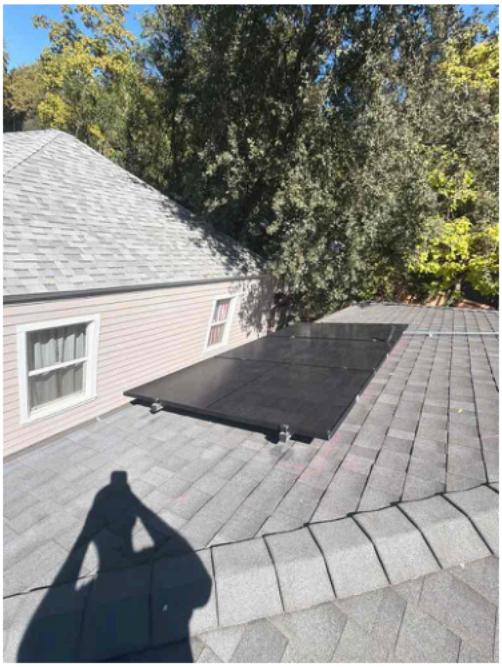
E-03 / Equipment overview

Label is not visible in this angle



E-04 / Battery label

Manufacturer and model evidence



E-01 / Main array

Installed array view

Evidence views are retained for review; no installation-quality certification is implied.

Commissioning record

1842 Juniper Ln | Synthetic source record / demonstration only

Project	1842 Juniper Ln
System	Solar PV + storage
Storage manufacturer / model	Tesla / Powerwall 3
Equipment count	1 battery (sample equipment schedule)
Record date	2026-10-10
Recorded by	Demo installer / Ridgeline Solar

REVIEW ITEMS

System identity	Linked to the project and sample equipment
Startup summary	Sample record supplied
Network / system checks	Review actual commissioning screen evidence
Program assignment	Confirm for the applicable program

This is a sample document, not a commissioning certificate or a completed manufacturer test.

Full Tesla summary, registration and other checks depend on the assigned installation checklist.

Installation verification

1842 Juniper Ln | Sample signed form recovered from the project email

Project / customer site	1842 Juniper Ln
Installing company	Ridgeline Solar - fictional
Installation start	2026-10-10
Installation complete	2026-10-12
Equipment manufacturer	Tesla / Powerwall 3
Supporting permit	DEMO-PV-2026-01842 / issued 2026-10-08

INSTALLER VERIFICATION

The example installer's statement is attached to the sample office thread.

R11 finds and includes the form; R11 does not sign or certify for the installer.

Demo installer 2026-10-12

ILLUSTRATIVE SIGNATURE / NO LEGAL EFFECT

The actual signed program form, required fields and supporting proof must be reviewed.

This record is not a Sunrun-issued form and must not be submitted.

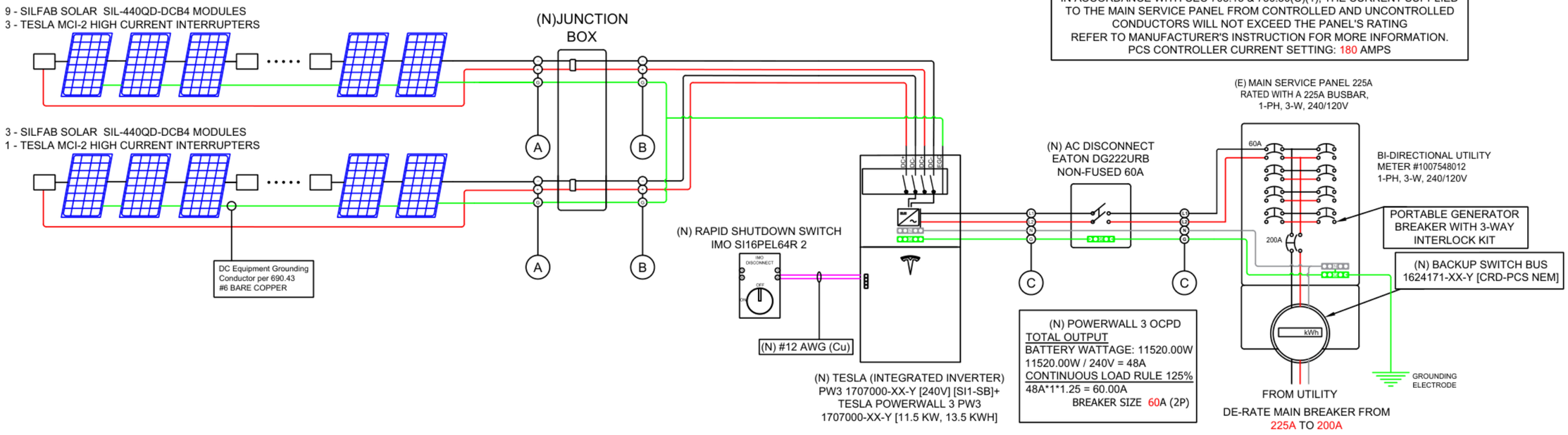
CONDUCTOR AND CONDUIT SCHEDULE WITH AMPACITY CALCULATIONS | WIRES ARE 90°C RATED THWN-2 @ 30°C (Cu OR Al) | CONDUIT HEIGHT ABOVE ROOF IS OVER 7/8" IF APPLICABLE														
TAG	WIRE SIZE (AWG OR kcmil)	# OF WIRES	GROUNDING WIRE SIZE	CONDUIT SIZE & TYPE		# OF CURRENT CARRYING CONDUCTORS	AMBIENT TEMPERATURE (°C)	AMPACITY CORRECTION				MAX AMPS FOR A 75°C RATED TERMINAL	USABLE AMPACITY (A)	OCPD SIZE (A)
								CONDUCTOR AMPACITY (A)	# CCC FACTOR	TEMP FACTOR	CORRECTED AMPACITY (A)			
A	# 12 PV WIRE	2	#6 AWG SBC	FREE AIR		2	38	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B	#10 AWG (Cu)	2	#8 AWG (Cu)	3/4"	EMT	2	38	40	1	0.91	36.4	35	35	N/A
C	#6 AWG (Cu)	3	#8 AWG (Cu)	1"	EMT	2	38	75	1	0.91	68.25	65	65	60

SERVICE INFO	
AHJ NAME	CITY:
UTILITY PROVIDER	
MAIN SERVICE VOLTAGE	240/120V
MAIN SERVICE PANEL	225A
MAIN BREAKER RATING	200A
MAIN BUS RATING	225A
SERVICE FEED SOURCE	OVERHEAD

PRODUCERS STORAGE DEVICE(S) WILL NOT CAUSE THE HOST LOAD TO EXCEED ITS NORMAL PEAK DEMAND. NORMAL PEAK DEMAND IS DEFINED AS THE HIGHEST AMOUNT OF POWER REQUIRED FROM THE DISTRIBUTION SYSTEM BY PRODUCERS COMPLETE FACILITIES WITHOUT THE INFLUENCE OR USE OF THE ENERGY STORAGE DEVICE(S).

PRODUCER'S STORAGE DEVICE(S) WILL NOT CONSUME POWER FROM DISTRIBUTION PROVIDER'S DISTRIBUTION SYSTEM AT ANY TIME.

IN ACCORDANCE WITH CEC 705.13 & 750.30(C)(1), THE CURRENT SUPPLIED TO THE MAIN SERVICE PANEL FROM CONTROLLED AND UNCONTROLLED CONDUCTORS WILL NOT EXCEED THE PANEL'S RATING
REFER TO MANUFACTURER'S INSTRUCTION FOR MORE INFORMATION.
PCS CONTROLLER CURRENT SETTING: 180 AMPS



1 ELECTRICAL LINE DIAGRAM

SCALE: NTS

SAMPLE / FICTIONAL IDENTITY / NOT FOR CONSTRUCTION

RIDGELINE SOLAR

SAMPLE PROJECT

1842 Juniper Ln

REVISION 03
2026-10-07

12 x 440 W PV
5.28 kW DC
Tesla Powerwall 3

DEMO ONLY

Adapted source sheet.
Not for construction
or submission.

ELECTRICAL LINE DIAGRAM

PV-02

Evidence index

Requirement-to-source map

Current design Page 2, 7

Roof plan + electrical diagram

Permit record Page 3

Identity replaced; layout retained

Installed equipment Page 4, 10

Context and model identification

Commissioning Page 5

Sample project record

Installer verification Page 6

Sample office attachment

Roof assembly evidence Page 9

Array, wiring, grounding, flashing

Review scope: selected installation and paperwork checks for this sample.

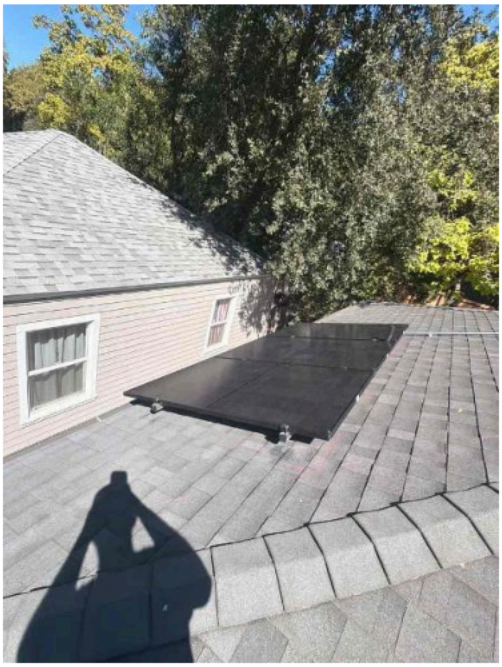
Exact requirements depend on the assigned funding program and milestone.

This index does not establish completeness for every Sunrun program.

No credit decision, financier approval or payment is represented.

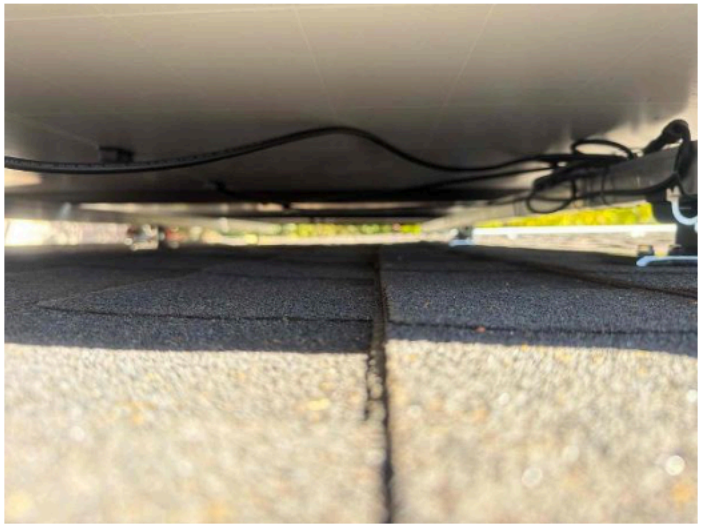
Roof detail evidence

E-05 to E-08 / real photographs, fictional job identity



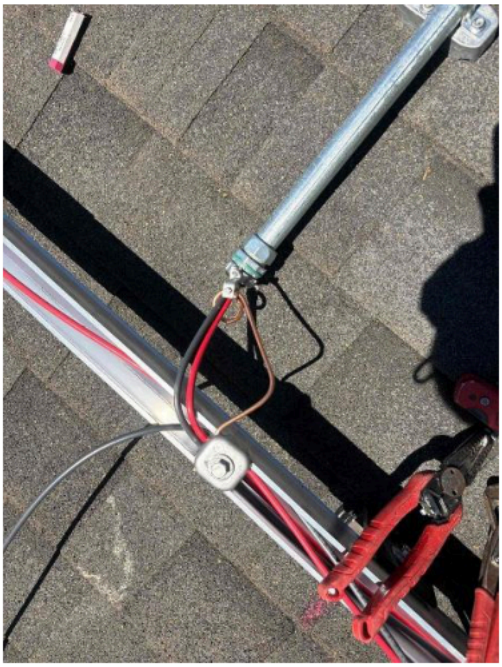
E-05 / Secondary array

Installed array view



E-06 / Under-array wiring

Cable routing and support view



E-07 / Grounding detail

Connection and racking detail



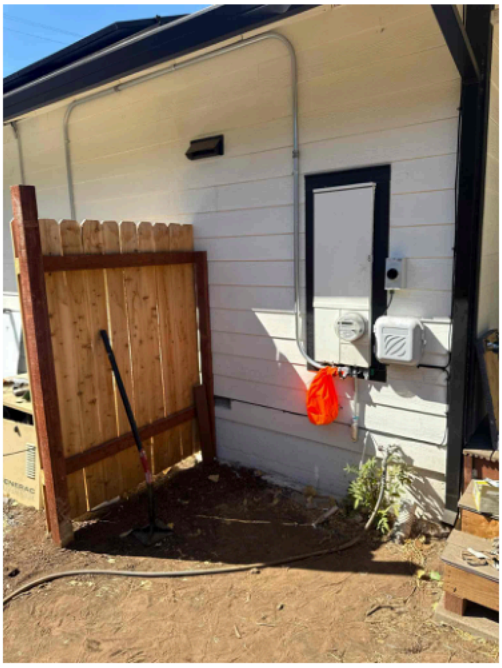
E-08 / Roof attachment

Flashing and attachment detail

Evidence views are retained for review; no installation-quality certification is implied.

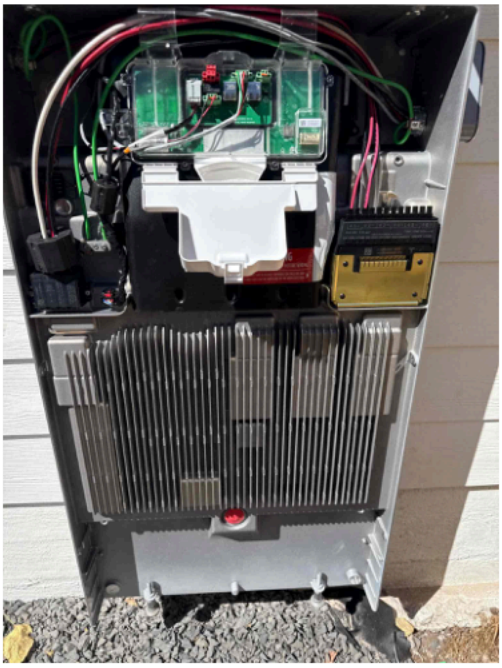
Equipment evidence

E-01 to E-04 / context and identification



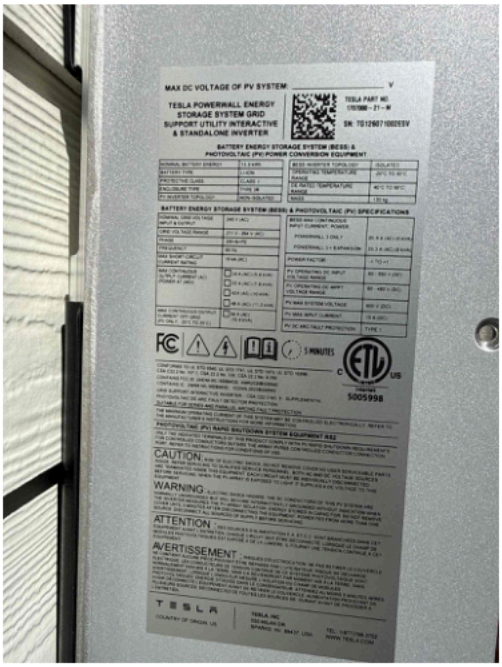
E-02 / Equipment wall

Context view



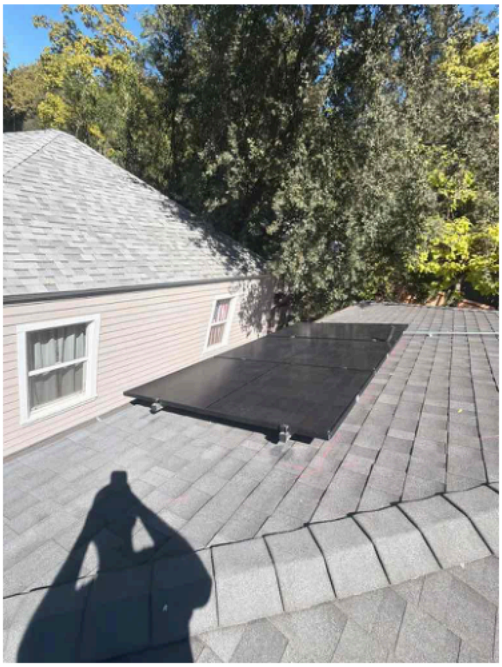
E-03 / Equipment overview

Label is not visible in this angle



E-04 / Battery label

Manufacturer and model evidence



E-01 / Main array

Installed array view

Evidence views are retained for review; no installation-quality certification is implied.