



APPLICATION FOR ADDITIONS/MODIFICATIONS

PLEASE CHECK APPLICATION TYPE:

- Repair & Replace → No Fee
 Minor Alteration (including Gutters/Solar) → \$250
 Major Alteration → \$500 Fee
(As Determined by DCEM staff)
- Add/Mod up to 500 Sq. Ft → \$2500 Fee/\$3000 Deposit
 Add/Mod over 500 Sq. Ft. → \$5000 Fee/\$6500 Deposit

DCR#: 26-049 Fee Paid: \$250 (office use only)

Owner's Name: Reed

Property Address: 39331 Pacific Reach UBL: 24-0-068

Phone: 415-350-0823 Email: diamondvalley20@gmail.com

Representative: MD Electric and Solar Inc.

Phone: 707-412-3181 Email: edmdelectricsolar@gmail.com

Description of Proposal (additional space on back of form): Install an 8 panel, 3.48kw roof mounted grid tied solar System with a 16kwh backup battery system. All visible components will be black on black.

Prior to review we must receive the completed application, one set of plans, and the review fee payable to TSRA, if *applicable*. Application will be processed as expeditiously as possible, with a maximum of 45 days allowed for processing. Applications cannot be processed until all required documents/fees have been received, at which time the 45-day review period will begin. All exterior construction and site work must be completed within one year from approval date.

Your signature below indicates that you agree to follow conditions of approval for this proposal.

APPLICANT'S SIGNATURE: *Eric Duff* DATE: 1/27/26

Application and Documents following Review:
 Email
 Mail Hard Copy

FOR THE SEA RANCH DESIGN COMMITTEE/DCEM STAFF

- Approved
 Approved with Conditions
 Denied
 Denied w/o Prejudice

SIGNATURE: *Mike Talbot* DATE: February 25, 2026

Conditions/Comments: _____

ALL VISIBLE COMPONENTS AND INSTALLATION OF SOLAR ENERGY SYSTEM SHALL FULLY COMPLY WITH THE SEA RANCH ASSOCIATION'S "SOLAR ENERGY SYSTEM INSTALLATION REQUIREMENTS" (COPY ATTACHED) UNLESS NOTED AND APPROVED OTHERWISE.

REFER TO THE ATTACHED DOCUMENTS FOR ANNOTATED CONDITIONS OF APPROVAL.

GENERAL NOTES

1.1.1 PROJECT NOTES:

1.1.2 THIS PHOTOVOLTAIC (PV) SYSTEM SHALL COMPLY WITH CALIFORNIA TITLE 24, PART 3 (CALIFORNIA ELECTRICAL CODE) ARTICLE 690, PART 6 (CALIFORNIA ENERGY CODE), PART 9 (CALIFORNIA FIRE CODE), ALL MANUFACTURER'S LISTING AND INSTALLATION INSTRUCTIONS, AND THE RELEVANT CODES AS SPECIFIED BY THE AUTHORITY HAVING JURISDICTION (AHJ).

1.1.3 THE UTILITY INTERCONNECTION APPLICATION MUST BE APPROVED AND PV SYSTEM INSPECTED PRIOR TO PARALLEL OPERATION.

1.1.4 DC PV ARRAYS SHALL BE PROVIDED WITH DC GROUND-FAULT DETECTION AND INTERRUPTION (GFDI), COMPLYING WITH CEC 690.41 TO REDUCE FIRE HAZARDS.

1.1.5 ALL PV SYSTEM COMPONENTS; MODULES, UTILITY-INTERACTIVE INVERTERS, AND SOURCE CIRCUIT COMBINER BOXES ARE IDENTIFIED AND LISTED FOR USE IN PHOTOVOLTAIC SYSTEMS AS REQUIRED BY CEC 690.4(B):

PV MODULES: UL 1703, UL 61730, IEC 61215, NFPA 70 CLASS C FIRE RATING

INVERTERS: UL 1741-SB, IEEE 1547-2018

COMBINER BOX(ES): UL 1703 OR UL 1741 ACCESSORY

1.1.6 MAX DC VOLTAGE CALCULATED USING MANUFACTURER PROVIDED TEMPERATURE COEFFICIENT FOR VOC. IF UNAVAILABLE, MAX DC VOLTAGE CALCULATED ACCORDING TO CEC 690.7.

1.1.7 ALL INVERTERS, PHOTOVOLTAIC MODULES, PHOTOVOLTAIC PANELS, AND SOURCE CIRCUIT COMBINERS INTENDED FOR USE IN A PHOTOVOLTAIC POWER SYSTEM WILL BE IDENTIFIED AND LISTED FOR THE APPLICATION PER CEC 690.4(D). SHALL BE INSTALLED ACCORDING TO INSTRUCTIONS FROM LISTING OR LABELING [CEC 110.3(B)].

1.1.8 ALL SIGNAGE TO BE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE. IF EXPOSED TO SUNLIGHT, IT SHALL BE UV RESISTANT. ALL PLAQUES AND SIGNAGE WILL BE INSTALLED AS REQUIRED BY THE CEC AND AHJ.

1.2.1 SCOPE OF WORK:

1.2.2 PRIME CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND SPECIFICATIONS OF THE GRID-TIED PHOTOVOLTAIC SYSTEM RETROFIT. PRIME CONTRACTOR WILL BE RESPONSIBLE FOR COLLECTING EXISTING ONSITE REQUIREMENTS TO DESIGN, SPECIFY, AND INSTALL THE EXTERIOR ROOF-MOUNTED PORTION OF THE PHOTOVOLTAIC SYSTEMS DETAILED IN THIS DOCUMENT.

1.3.1 WORK INCLUDES:

1.3.2 PV ROOF ATTACHMENTS - IRONRIDGE Q-BASE WITH CHEM LINK'S E-CURB SYSTEM

1.3.3 PV RACKING SYSTEM INSTALLATION - IRONRIDGE TILT MOUNT SYSTEM

1.3.4 PV MODULE AND INVERTER INSTALLATION - MISSION SOLAR MSX10-435HN0B / SOL-ARK 15K-2P

1.3.5 ESS INSTALL - (1) DISCOVER HELIOS 16.08 kWh

1.3.6 PV EQUIPMENT GROUNDING

1.3.7 PV SYSTEM WIRING TO A ROOF-MOUNTED JUNCTION BOX

1.3.8 PV LOAD CENTERS (IF INCLUDED)

1.3.9 PV METERING/MONITORING (IF INCLUDED)

1.3.10 PV DISCONNECTS

1.3.11 PV GROUNDING ELECTRODE & BONDING TO (E) GEC

1.3.12 PV FINAL COMMISSIONING

1.3.13 (E) ELECTRICAL EQUIPMENT RETROFIT FOR PV

1.3.14 SIGNAGE PLACED IN ACCORDANCE WITH LOCAL BUILDING CODE

SCOPE OF WORK

SYSTEM SIZE: STC: 8 x 435W = 3.480kW
 PTC: 8 X 405.6W = 3.245KW
 (8) MISSION SOLAR MSX10-435HN0B
 (1) SOL-ARK 15K-2P
 (1) DISCOVER HELIOS 16.08 kWh

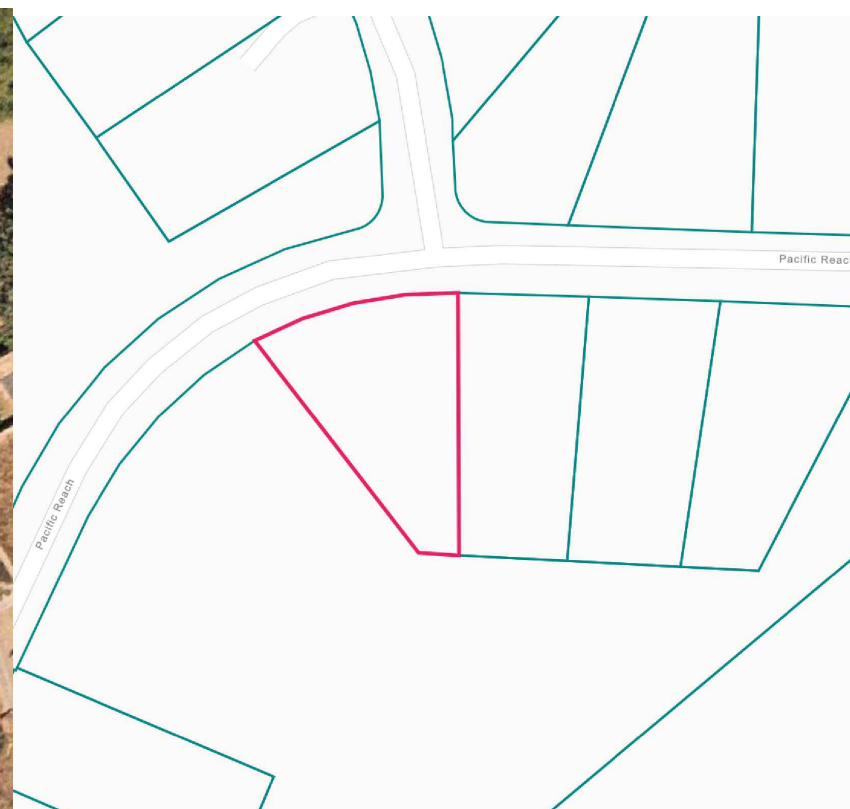
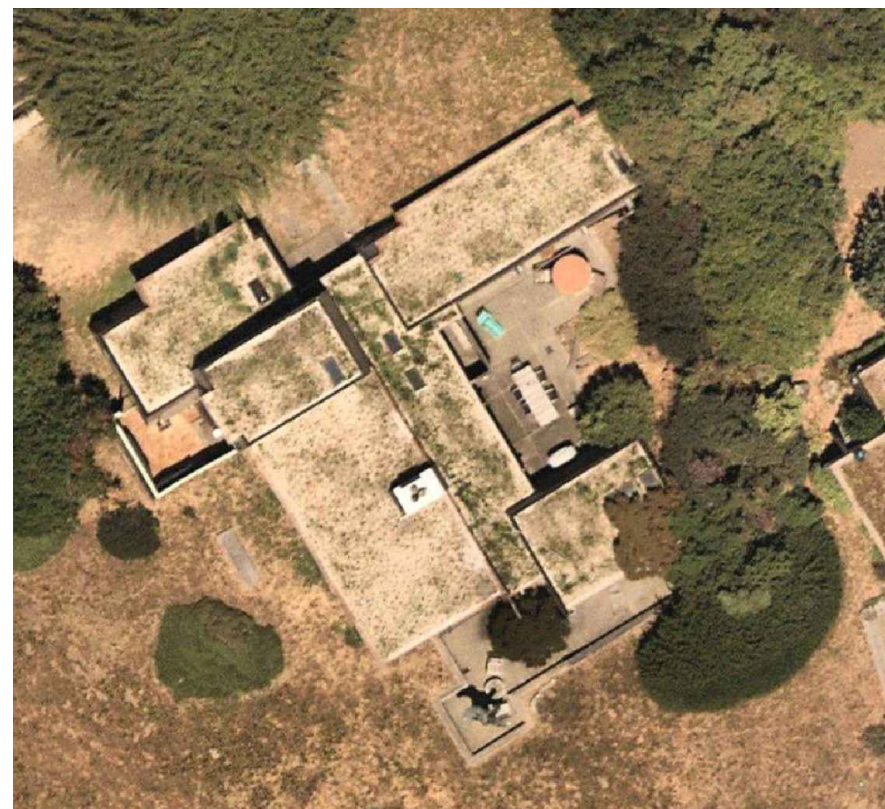
ATTACHMENT TYPE: IRONRIDGE Q-BASE WITH CHEM LINK'S E-CURB SYSTEM
 MSP UPGRADE: NO

NEW PV SYSTEM: 3.480 kWp

NEW BESS SYSTEM: 16.08 kWh

REED RESIDENCE

39331 PACIFIC REACH,
 THE SEA RANCH, CA 95497
 ASSESSOR'S #: 156220019000



01 AERIAL PHOTO
 NOT TO SCALE

02 VICINITY MAP
 NOT TO SCALE

SHEET LIST TABLE

SHEET NUMBER	SHEET TITLE
G-1	COVER PAGE
G-2	NOTES
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PV-2	ELECTRICAL PLAN
PV-3	SOLAR ATTACHMENT PLAN
PV-4	GARAGE PLAN
PV-5	LINE DIAGRAM
PV-6	DESIGN TABLES
PV-7	PLACARDS
PV-8	ASSEMBLY DETAILS
PV-9	RESOURCE DOCUMENT
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PROJECT INFORMATION

OWNER
 NAME: REED
 PHONE: 415-350-0823
 E-MAIL:
PROJECT MANAGER
 NAME: ERIC DUFF
 PHONE: 707-412-3181
CONTRACTOR
 NAME: MD ELECTRIC AND SOLAR INC.
 PHONE: 707-412-3181
AUTHORITIES HAVING JURISDICTION
 BUILDING: SONOMA COUNTY
 ZONING: SONOMA COUNTY
 UTILITY: PG&E
DESIGN SPECIFICATIONS
 OCCUPANCY: GROUP R-3
 CONSTRUCTION: TYPE VB
 ZONING: RESIDENTIAL
 GROUND SNOW LOAD: 0 PSF
 WIND EXPOSURE: B
 WIND SPEED: 91 MPH
APPLICABLE CODES & STANDARDS
 BUILDING: CBC 2025, CRC 2025
 ELECTRICAL: NEC 2023, CEC 2025
 FIRE: CFC 2025

CONTRACTOR
 MD ELECTRIC AND SOLAR INC.
 ADDRESS: 38191 OLD STAGE RD.
 GUALALA, CA 95445
 PHONE: 707-412-3181
 LICENSE: 815891



REED RESIDENCE

RESIDENTIAL GRID INTERACTIVE SOLAR AND ENERGY STORAGE INSTALLATION
 39331 PACIFIC REACH, THE SEA RANCH, CA 95497
 APN: 156220019000
 PHONE: 415-350-0823

COVER PAGE

SYSTEM AC SIZE @ STC: 15.000 kW (8) MISSION SOLAR MSX10-435HN0B (1) SOL-ARK 15K-2P, (1) DISCOVER HELIOS 16.08 kWh	SYSTEM DC SIZE @ STC: 3.480 kW BESS CAPACITY: 16.08 kWh	PAGE: G-1
DRAWN BY: V.H.	REV:	DATE: 01.28.2026