



CAUTION: SOLAR CIRCUIT

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! WARNING

THIS SERVICE METER
IS ALSO SERVED BY A
PHOTOVOLTAIC SYSTEM

596-03942

EATON

General Duty Safety Switch
Interrupteur de sécurité à usage général
Interruptor de seguridad de servicio general

60 A, 240 V~, 60 Hz

Complete ratings inside
Valeurs nominales complètes à l'intérieur
Información completa de capacidades en el interior

Further instructions inside
Autres instructions à l'intérieur
Instrucciones adicionales en el interior

Made in U.S.A. / Fabriqué aux É.-U. / Hecho en E.U.A.

⚠ DANGER
HAZARDOUS VOLTAGE. WILL CAUSE SEVERE INJURY OR DEATH.
● Never operate switch with cover open.
● Turn OFF power ahead of switch before doing any work inside. Replace all parts. Close cover before turning power ON.

TENSION DANGEREUSE. PEUT CAUSER DES BLESSURES GRAVES OU LA MORT.
● Ne jamais manœuvrer l'interrupteur lorsque le couvercle est ouvert.
● Couper l'alimentation en amont de l'interrupteur avant toute intervention. Remplacer les pièces. Fermer le couvercle avant de remettre sous tension.

⚠ PELIGRO
VOLTAJE PELIGROSO. PUEDE CAUSAR HERIDAS SEVERAS O LA MUERTE.
● Nunca opere el interruptor con la cubierta abierta.
● Desconectar la alimentación del interruptor antes de toda intervención. Reemplazar todas las partes. Cerrar la cubierta antes de energizar el interruptor.

30-43080

⚠ WARNING
DUAL POWER SUPPLY
SOURCES: UTILITY GRID AND PV SOLAR ELECTRIC SYSTEM
596-03942

⚠ WARNING
ELECTRICAL SHOCK HAZARD
IF A GROUND FAULT IS INDICATED NORMALLY GROUNDED CONDUCTORS MAY BE UNGROUNDED AND ENERGIZED
596-03942

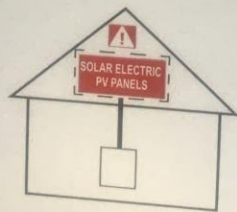
⚠ WARNING
ELECTRICAL SHOCK HAZARD
TERMINALS ON THE LINE AND LOAD SIDES MAY BE ENERGIZED IN THE OPEN POSITION
596-03942



PHOTOVOLTAIC AC DISCONNECT
MAXIMUM AC OPERATING CURRENT: **1.25 A**
NOMINAL OPERATING AC VOLTAGE: **240 V**
596-03942

RAPID SHUTDOWN SWITCH FOR SOLAR PV SYSTEM
596-03942

SOLAR PV SYSTEM EQUIPPED WITH RAPID SHUTDOWN
TURN RAPID SHUTDOWN SWITCH TO THE "OFF" POSITION TO SHUT DOWN CONDUCTORS OUTSIDE THE ARRAY. CONDUCTORS WITHIN ARRAY REMAIN ENERGIZED IN SUNLIGHT



596-03942

ON

OFF

and the 20A
the 30A solar
feed the



ENPHASE[®]

**CAUTION: DO NOT INSTALL
ADDITIONAL LOADS IN THIS PANEL**

⚠ WARNING
ELECTRICAL SHOCK HAZARD

TERMINALS ON THE LINE AND
LOAD SIDES MAY BE ENERGIZED
IN THE OPEN POSITION



2

596-03942 **CAUTION**
PHOTOVOLTAIC SYSTEM CIRCUIT IS BACKFED

ENVOY

596-03942 **WARNING**
POWER SOURCE OUTPUT CONNECTION.
DO NOT RELOCATE THIS OVERCURRENT DEVICE.

3

4

⚠ WARNING

DUAL POWER SUPPLY

**SOURCES: UTILITY GRID
AND PV SOLAR
ELECTRIC SYSTEM**

596-03942



**PHOTOVOLTAIC SYSTEM
EQUIPPED WITH
RAPID SHUTDOWN**

596-03942

**SOLAR PV SYSTEM EQUIPPED
WITH RAPID SHUTDOWN**

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

596-03942

A schematic diagram of a house with a gabled roof. A yellow box labeled "SOLAR ELECTRIC PV PANELS" is positioned on the roof. A vertical line connects this box to a square symbol inside the house, representing a switch.





⚠ WARNING
THIS SERVICE METER
IS ALSO SERVED BY A
PHOTOVOLTAIC SYSTEM

586-09842



1G3448

G052@ 1A08



ON

OFF

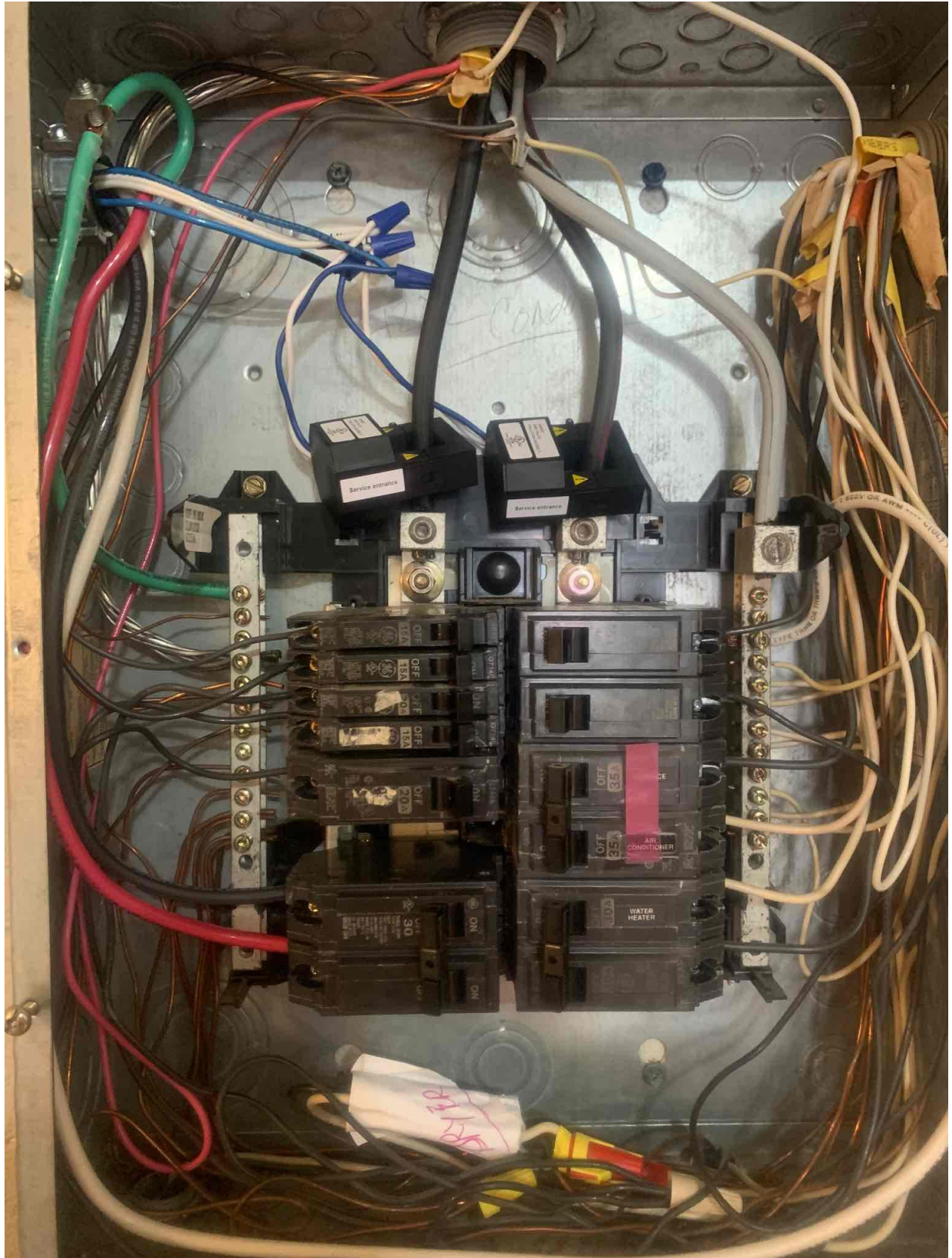
30

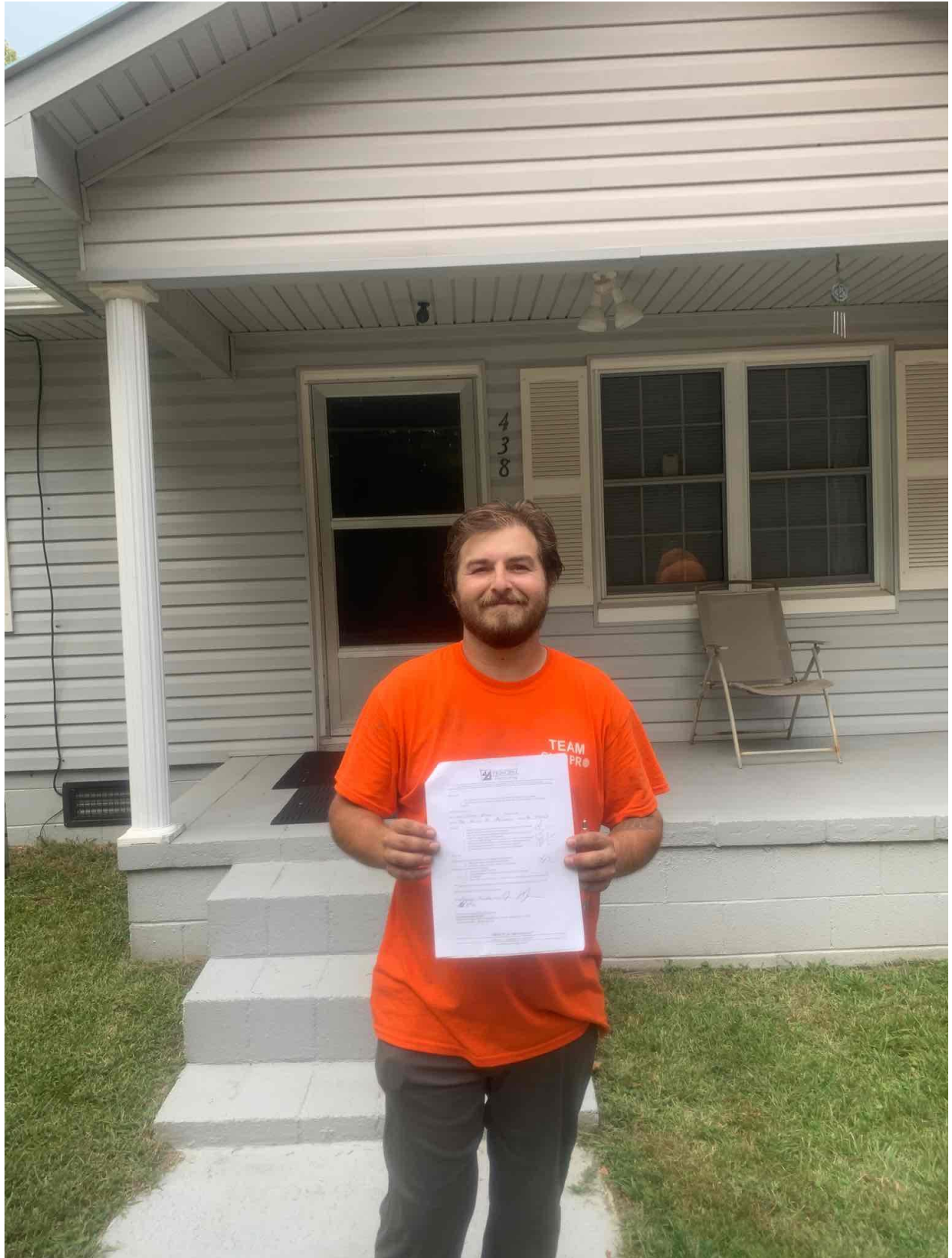
THQOL 2130
TYPE THOL
W/CTH
120 / 240V-CTL
10 KA INT RATING
14-10 AWG
WIRE CU / AL
60 / 75 °C
30 IN-LETS
TORQUE
MADE IN T/O
G052@ 1A08

ON

OFF

Handwritten pink text on a white paper bag, possibly 'R11'.







IQ Combiner 3 ES

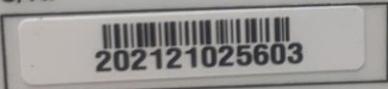
Photovoltaic
Combiner Box
X-IQ-AM1-240-3-ES



Electrical ratings

Voltage 240VAC, 60Hz
DG Breakers 80A MAX (combined)
DG Inputs 64A MAX (combined)
Output 65A MAX, 90A MAX feeder OCPD
Temperature 46°C MAX ambient
 Use only Eaton BR series Breakers (60A max)

S/N:



P/N:



Dedicated solar and DG Combiner Box - do not add loads 10 AMP Envoy Breaker not used for backfeed

Connection	Wire sizes	Torque
DG Breaker	14-10 AWG	2.2 Nm (20 lb-in)
	8 AWG	2.8 Nm (25 lb-in)
	6-4 AWG	3.0 Nm (27 lb-in)
60A Circuit Breaker only	4-1/0 AWG	5.0 Nm (45 lb-in)
Neutral and ground		
Large screw	14-1/0 AWG	5.0 Nm (45 lb-in)
	6-14 AWG	2.2 Nm (20 lb-in)
Small screw		
Main lug	10-4 AWG	5.0 Nm (45 lb-in)
	3-2/0 AWG	5.6 Nm (50 lb-in)

Copper conductors only, rated min. 75°C.
Follow NFPA 70 (NEC), or CSA C22.1 part 1, and all local codes.

For DG Breakers larger than 20A, use wire insulated for 90°C based on 75°C ampacities.

Designed in California and New Zealand



202121025603

Done

Connection Failed



Unable to connect to network vsat-24g-A3C1B4.

OK

Connect Other Network



Overview



Micros



Storage



Meters



Network



202121025603

Done

Metering


 **Meters Not Enabled** >
Set up metering now

Monitoring

 **Not Connected to Enlighten** >

19 Microinverters

 **19 Detected** Scan Inactive >

 **19 Communicating**  >

13 Profile Set >
Profile: IEEE 1547 default 2015

4 Producing Power >

0 AC Batteries

About This Envo...


Overview


Micros


Storage


Meters


Network



1011 N Causeway Blvd, Suite 19 ♦ Mandeville, Louisiana 70471 ♦ Phone: 985.624.5001 ♦ Fax: 985.624.5303

Instructions:

- 1. All post-install survey questions must be answered for jurisdiction compliance.
2. Questions that are incomplete will delay the review and will be sent back to be completed properly.

Survey Information:

Project Name: Cynthia Price Project Number: 42836
Address: 438 Highway Rd Burdette State/Zip: NC 28023

General:

- 1. Is the framing spacing correct and matches the engineering documents? Y [checked] N
2. Are the number of panels the correct amount? Y [checked] N
3. Have you verified that all fasteners attaching the panel systems to roof match the original design requirements? Y [checked] N
4. Is there any visual damage that was caused as a result of the installation? Y [checked] N [checked]
5. Have proper steps been taken to waterproof all roofing penetrations? Y [checked] N
6. Is the electrical penetration(s) in the roof sealed properly? Y [checked] N
7. Do the solar panel arrays match the engineering documents? Y [checked] N

Electrical:

Please verify that the following match the engineering documents:

- 1. Brand and model number PV components Y [checked] N
2. Inverters, connection points, wiring and grounding Y [checked] N

Please provide photos for the following:

- 1. All arrays of the PV modules
2. The connections to existing tap or breaker added to main panel
3. All-labeling
4. Every new connection point i.e., Combiner box, shut off box, main breaker panel, etc.

**** Missing photos will delay the processing of the post install process and will be returned ****

Person Completing this form and submitting photos:

Printed: Jacob Meyke Signed: [Signature]
Date: 10/4/21

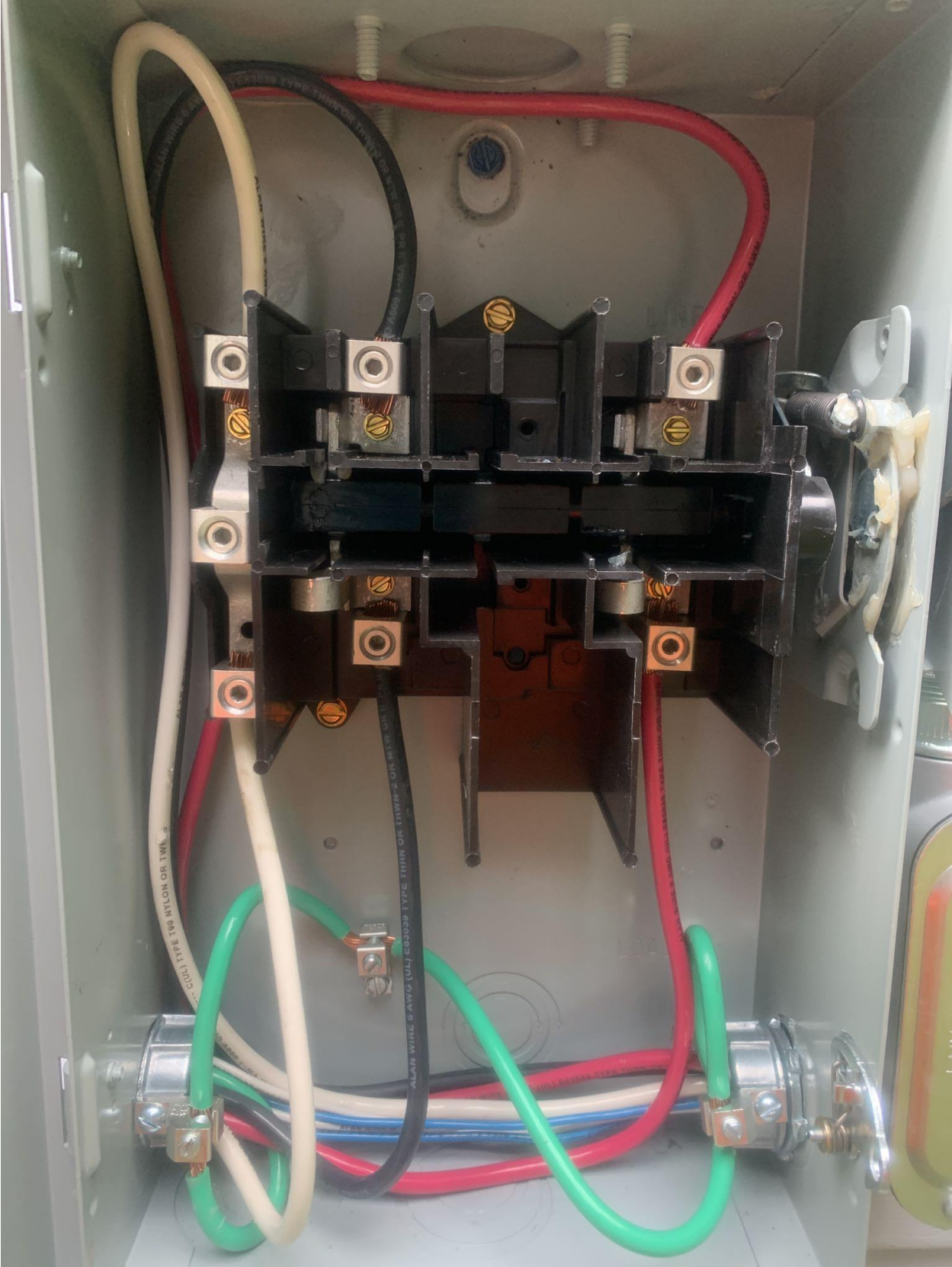
Please submit form, photos to the following:

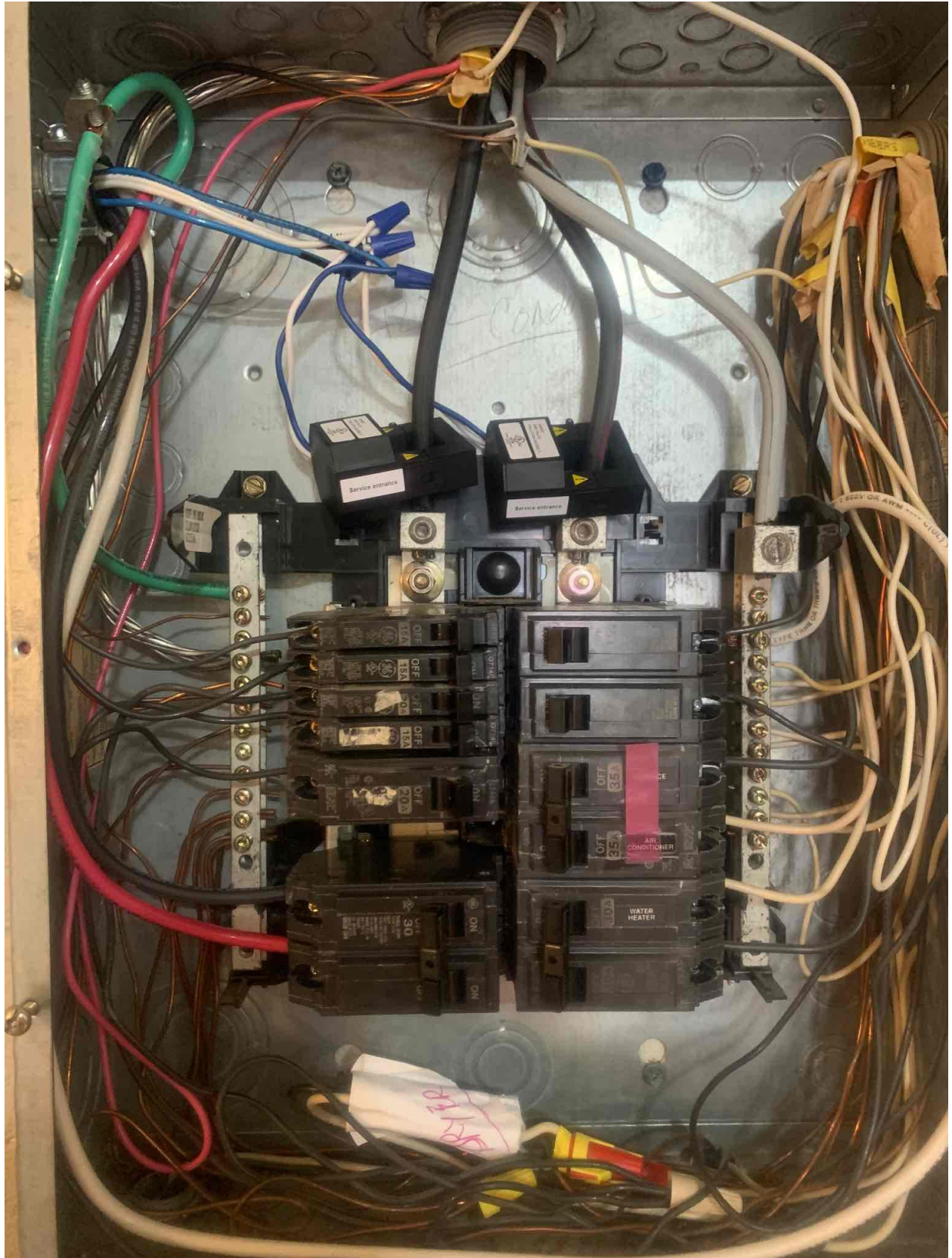
Principal-sunpro@pi-aec.com
Principal Engineering 1011 N. Causeway Blvd., Suite 19 Mandeville, LA 70471
985-624-5001 Office 985-960-0650 Cell

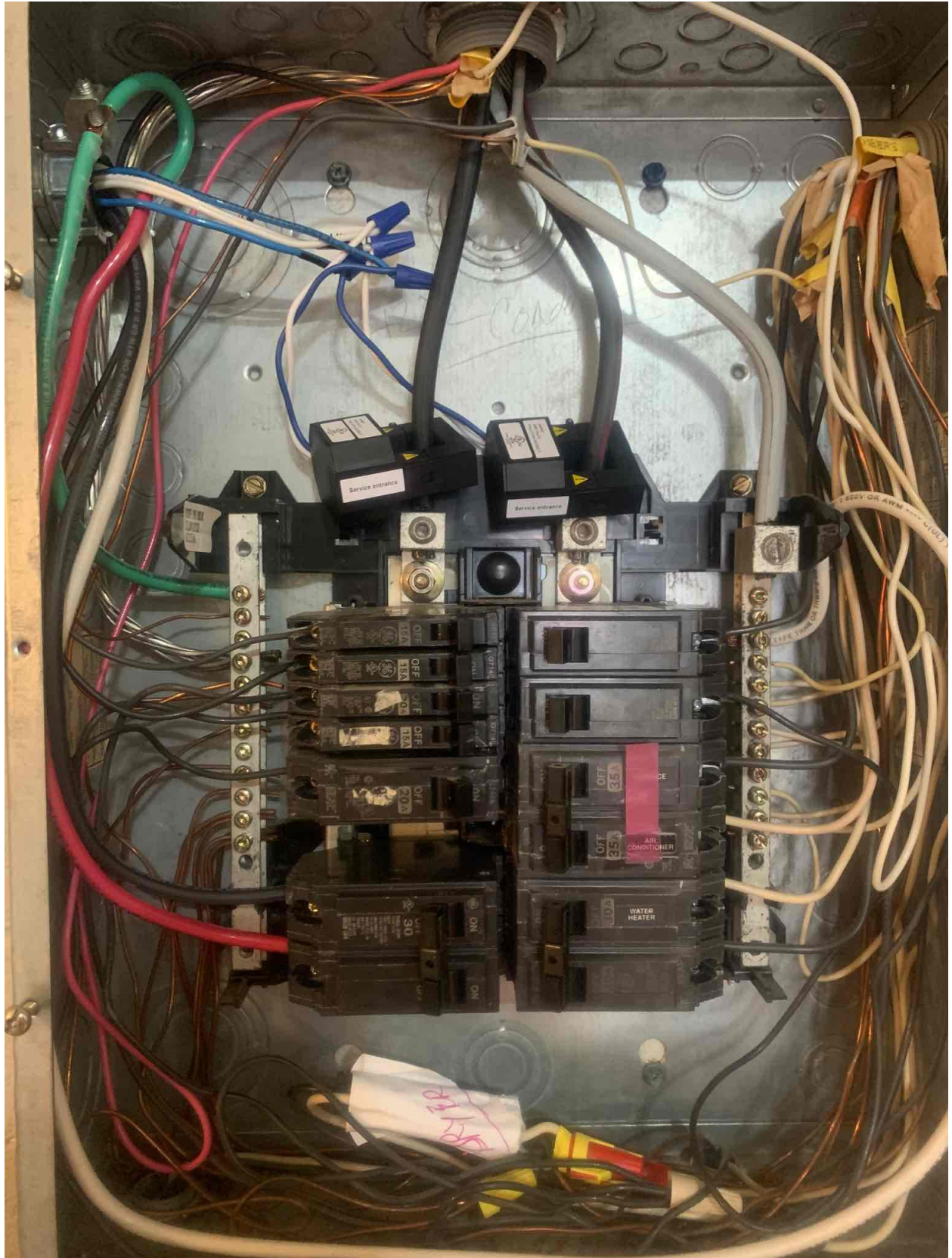
PRINCIPAL Infrastructure®

Architecture ♦ Engineering ♦ Construction

www.pi-aec.com ♦ info@pi-aec.com

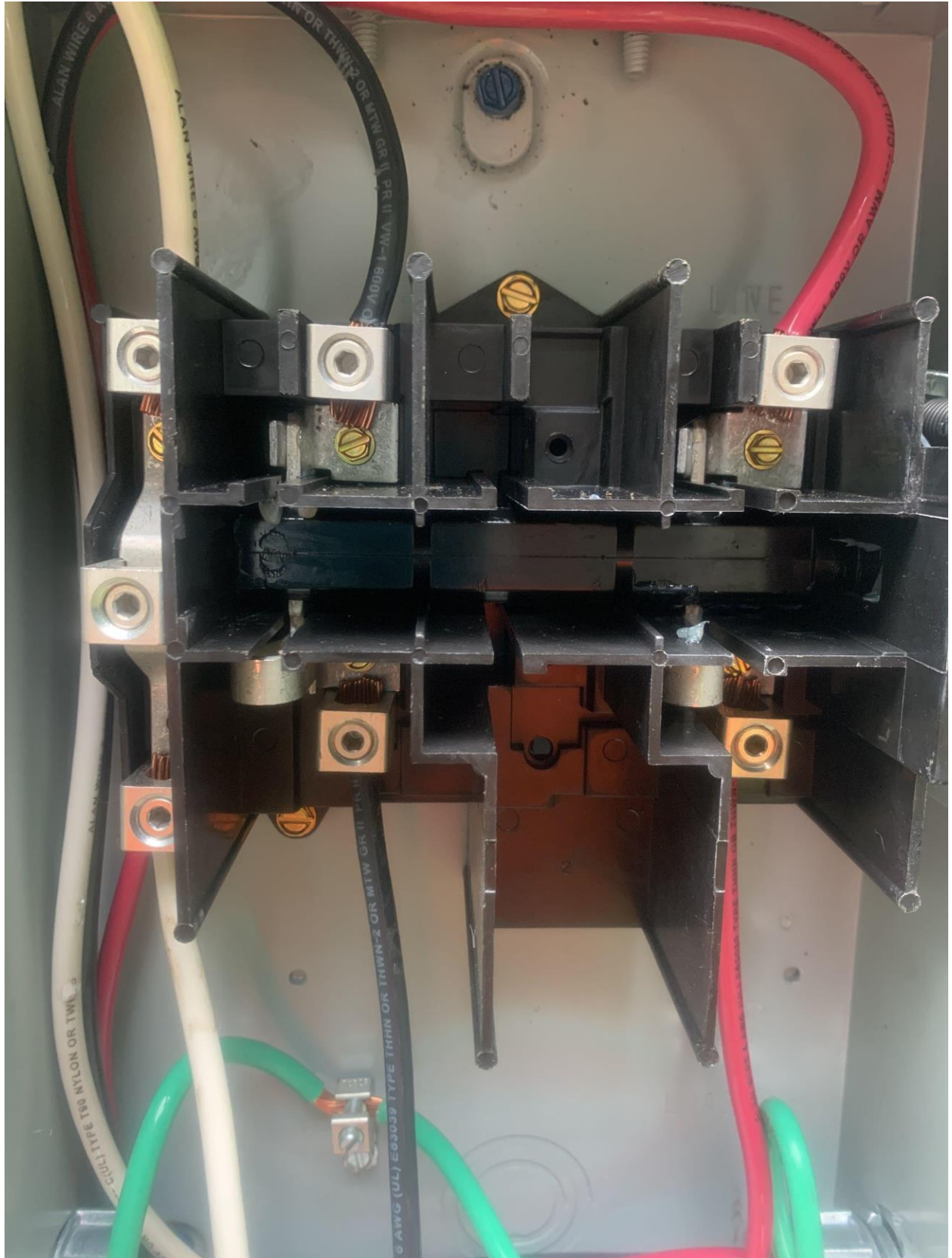












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PELIGROSO. PUEDE CAUSAR