







CanadianSolar  
12501560044034

**CanadianSolar**  
**CS6.1-54TM-455H**  
SN: 12501560044034  
Assembled in the USA. Cell origin: Thailand

  
INSTALLATION  
MANUAL

|                            |        |         |
|----------------------------|--------|---------|
| Nominal Maximum Power      | (Pmax) | 455 W   |
| Optimum Operating Voltage  | (Vmp)  | 33.2 V  |
| Optimum Operating Current  | (Imp)  | 13.72 A |
| Open Circuit Voltage       | (Voc)  | 39.1 V  |
| Short Circuit Current      | (Isc)  | 14.81 A |
| Maximum System Voltage     |        | 1000 V  |
| Maximum Series Fuse Rating |        | 25 A    |

No electrical data at Standard Test Conditions (STC, irradiance of 1000W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25°C). Production tolerance: ±3% Pmax, ±0.5% Voc, Imp.  
For data correction, use sheet 3. 12 AWG copper wire insulated for a minimum of 60°C.  
Maximum Temperature: 65 °C  
Module Fire Performance: TYPE 2 (UL950)  
Production Classification: CLASS 1  
Current Flow Class Rating: See installation instructions for installation requirements in America or European countries. Use Class Rating with this product.  
Please read the installation manual for more information prior to installation. The installation manual can be downloaded on Canadian Solar website.  
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www.canadiansolar.com support@canadiansolar.com CN Solar Co., Ltd.

**WARNING-ELECTRIC HAZARD-ATTENTION-RISQUE ELECTRIQUE**  
  
This solar module produces electrical voltage when exposed to sunlight or intense artificial light. Proper precautions must be taken when working on this module.  
Le module peut produire une tension électrique lorsqu'il est exposé à la lumière du soleil ou à une lumière artificielle intense. Prendre des précautions appropriées lors de l'installation ou de la maintenance de ce module.  
Caution: Always disconnect the solar module from the system before working on it.  
Attention: Déconnectez toujours le module solaire du système avant de travailler dessus.  
Consultez le manuel d'installation pour plus de détails.

211 ST CLAIR DR  
FUQUAY-VARINA, NC 27526

CanadianSolar 12501560044034

[illegible]

211 ST CLAIR DR  
FUQUAY-VARINA, NC 27526









MCI-2 | PV RAPID  
SHUTDOWN EQUIP  
(P) 1879359-15-B  
(S) GF22514100053B

MAX DC VOLTAGE 1000V  
OPERATING DC VOLTAGE 0-165V  
MAX CURRENT 15A

MAX SHORT CIRCUIT CURRENT 19A  
SHUTDOWN TIME LIMIT 10SEC  
OPERATING TEMP -45C TO 70C  
NEMA 4X/IP65  
MADE IN USA



Intertek

5015303

CONFORMS TO UL STD 1741



































































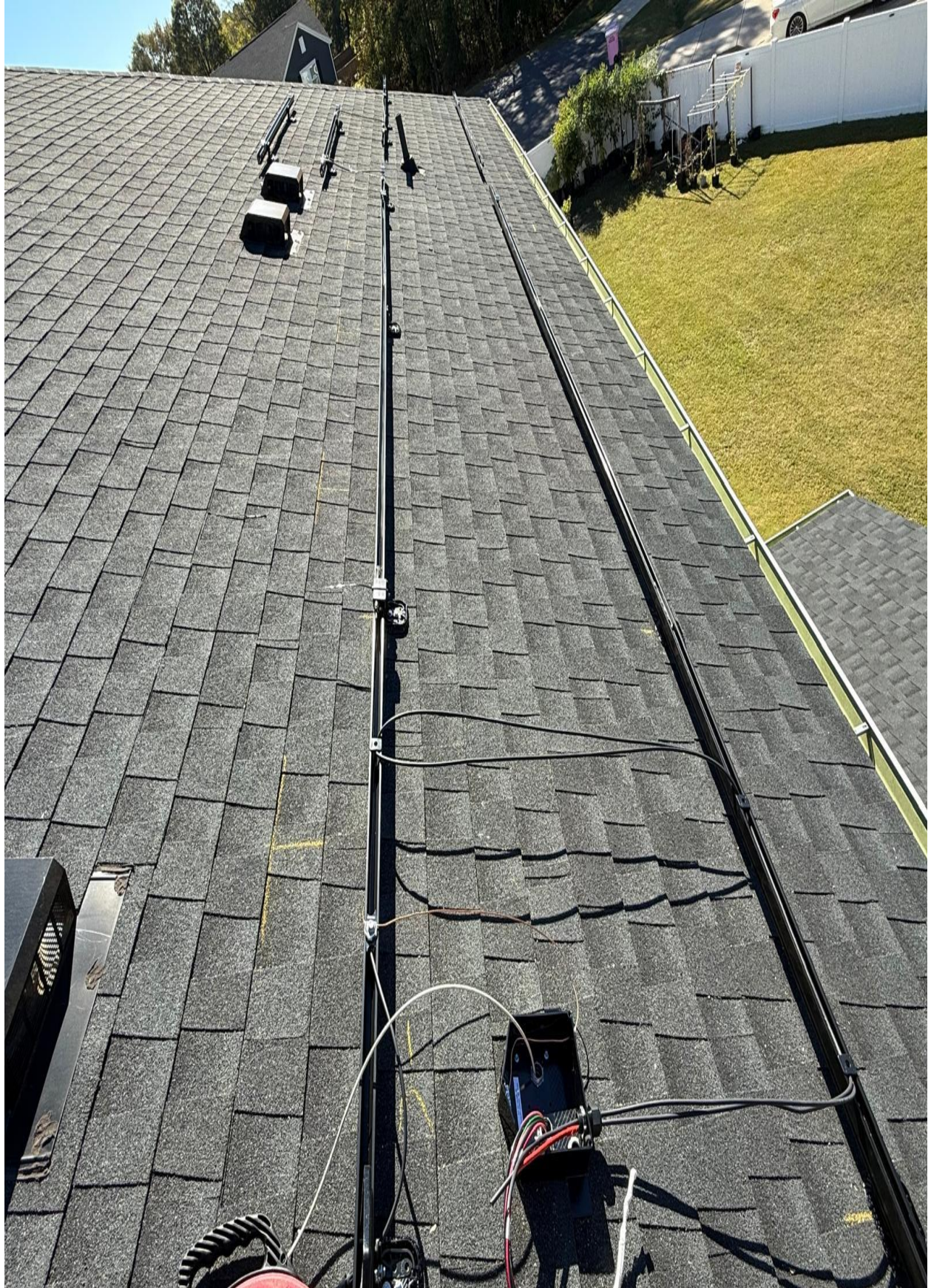
























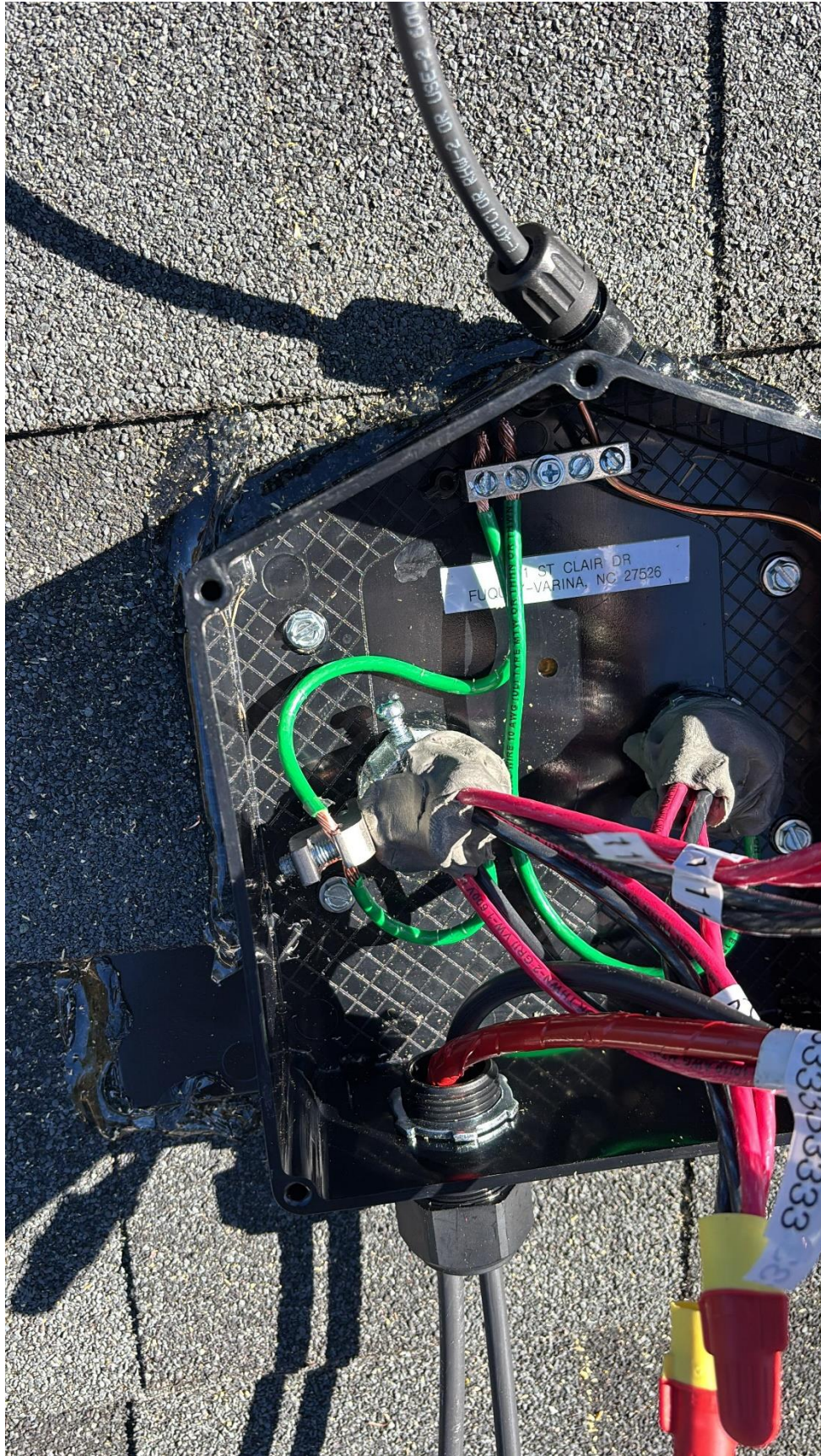




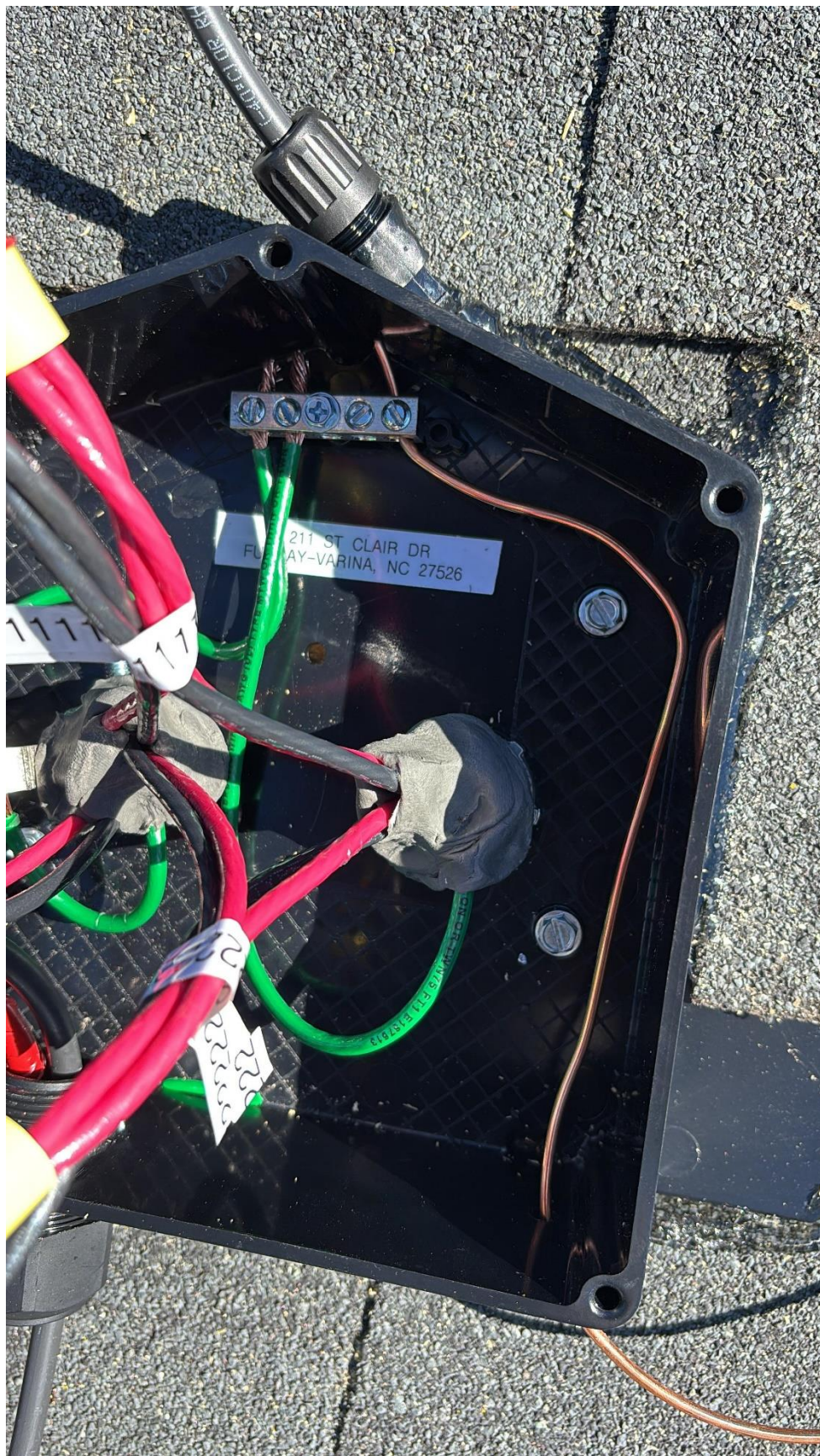




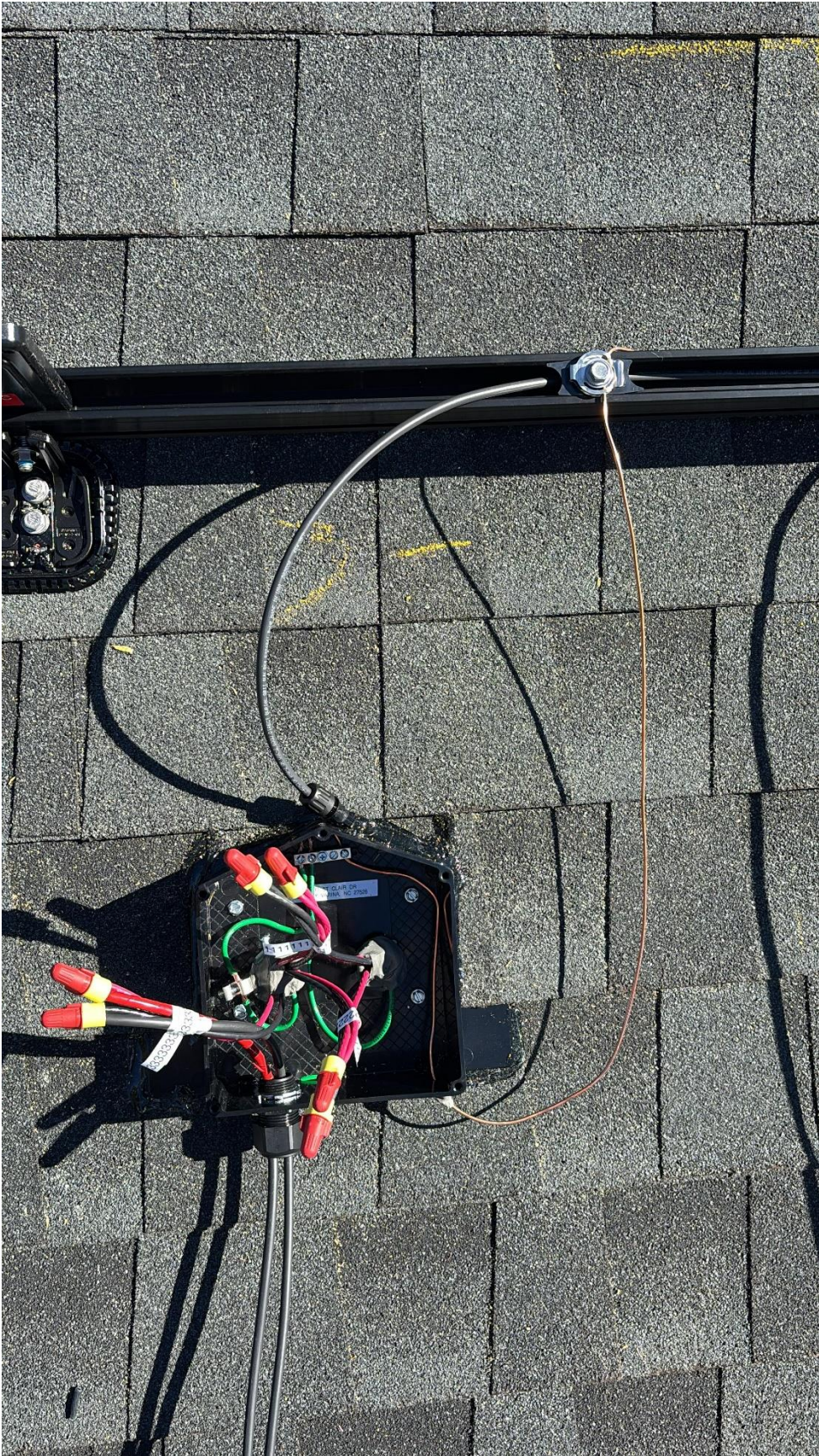




















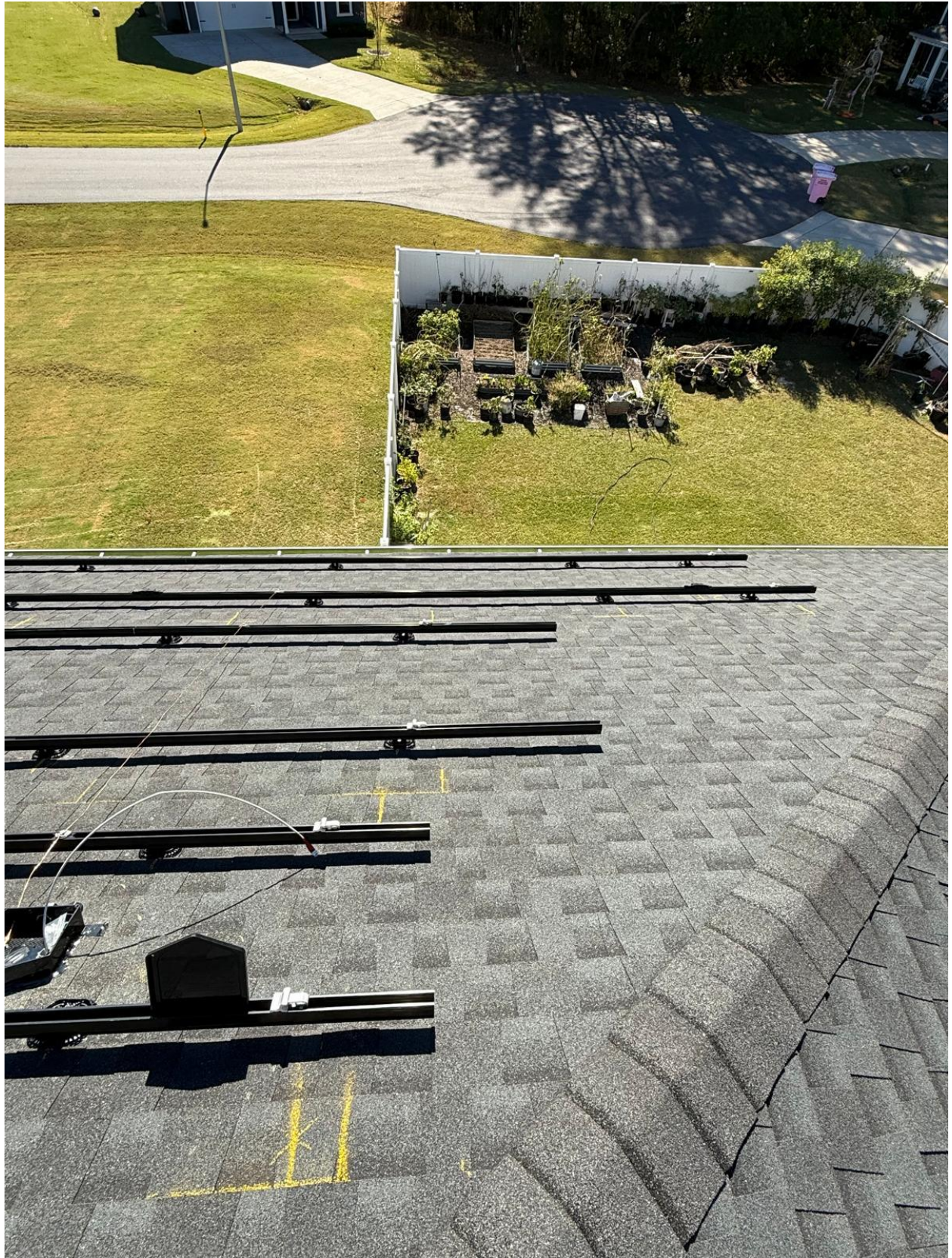








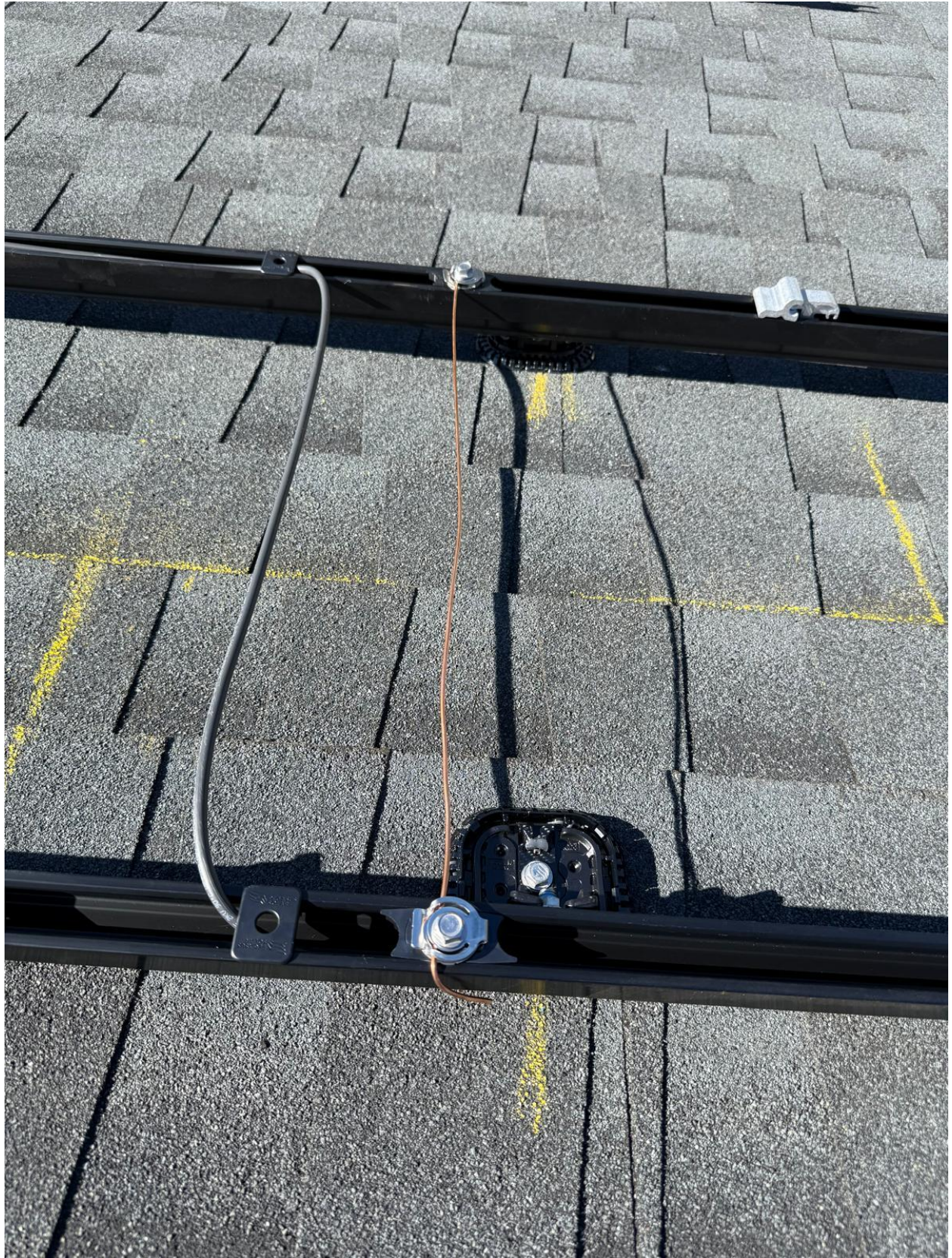




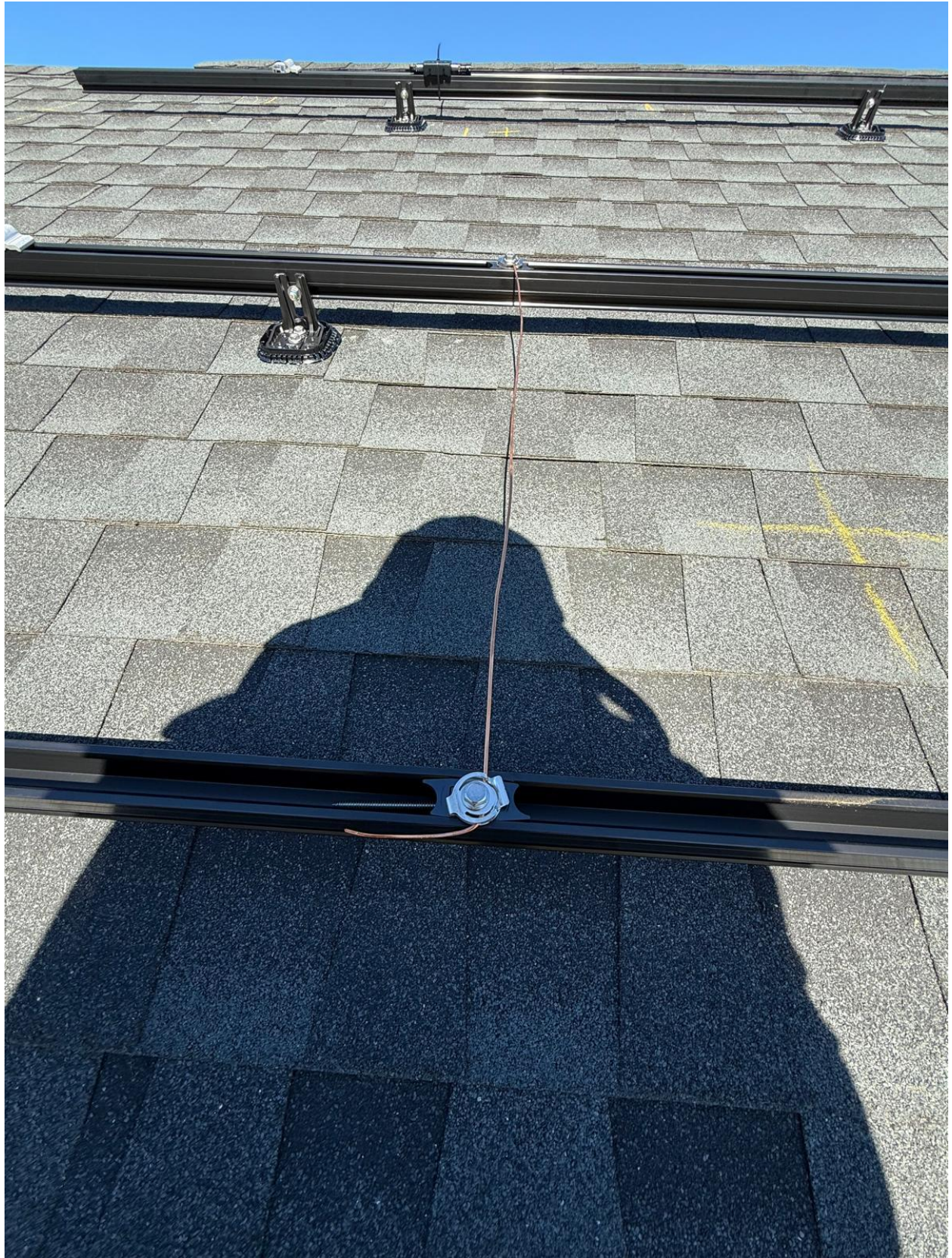
















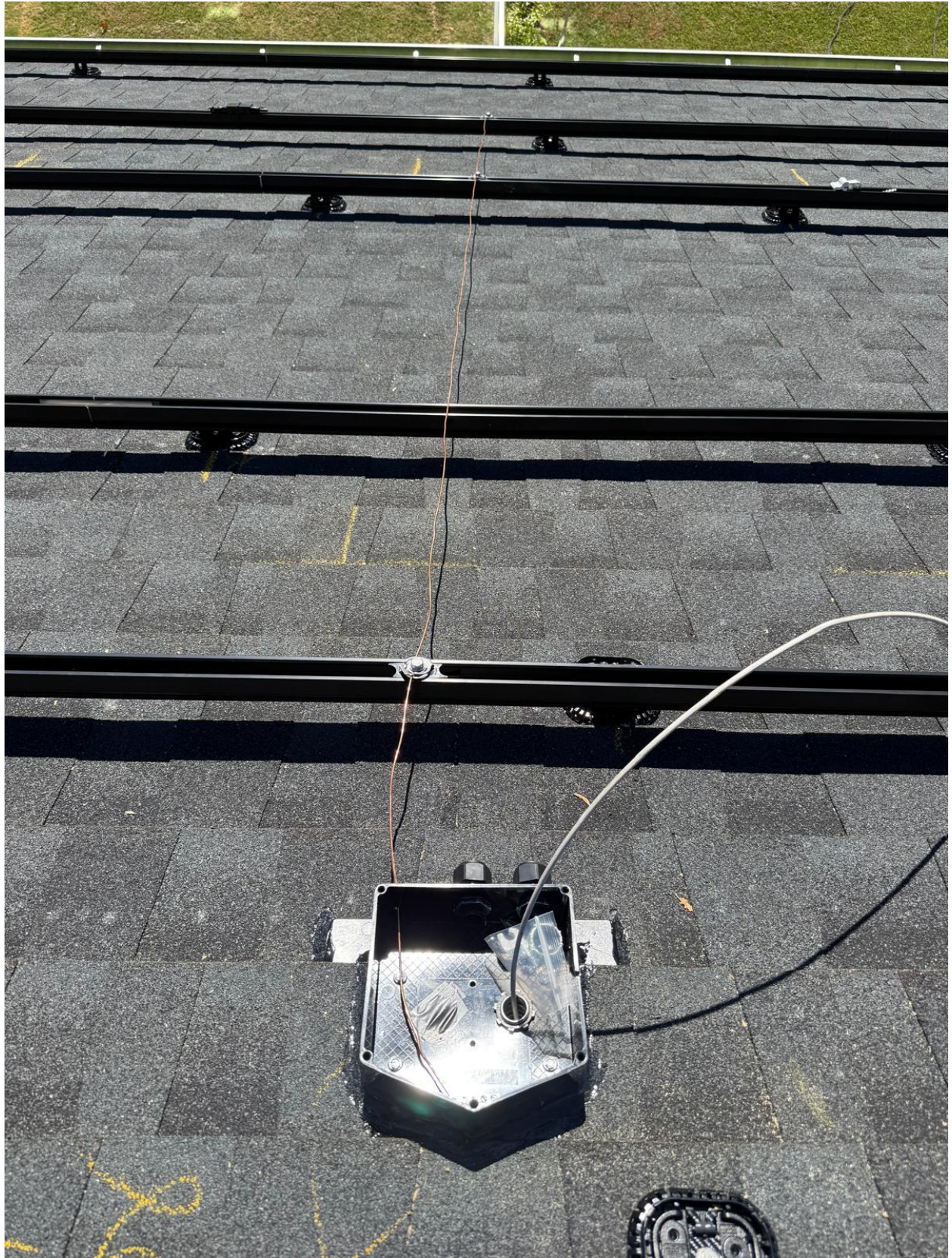








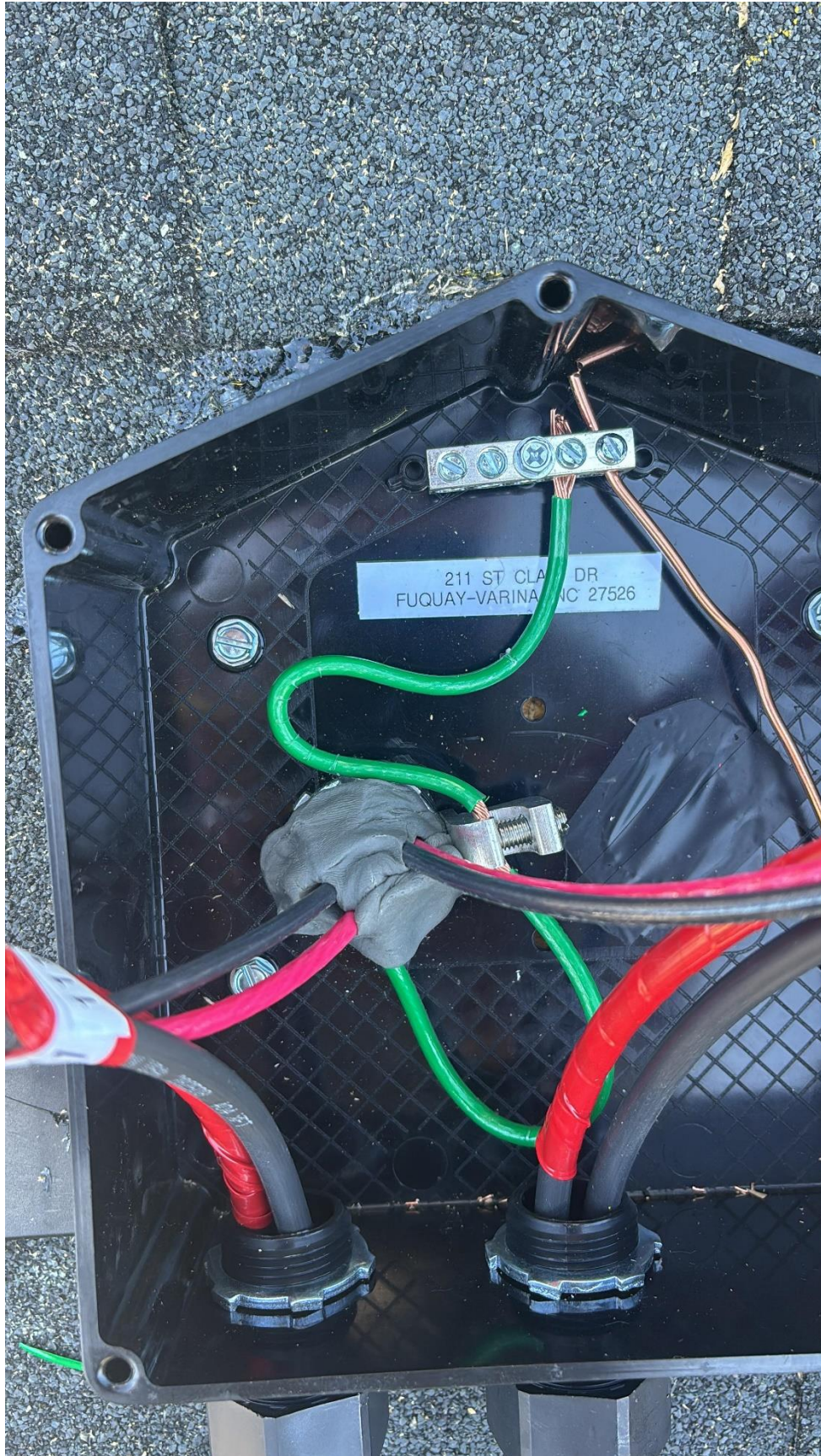




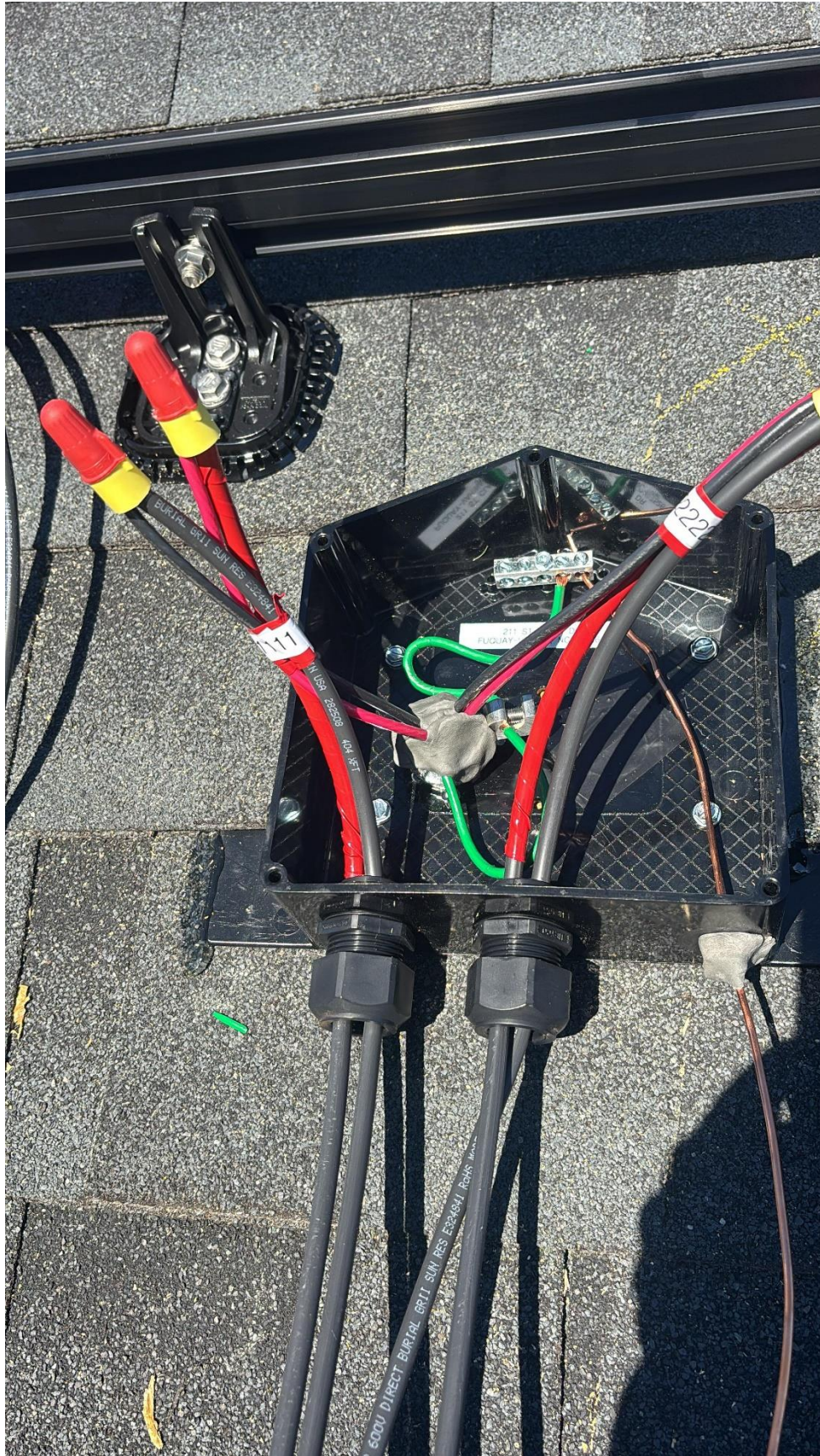












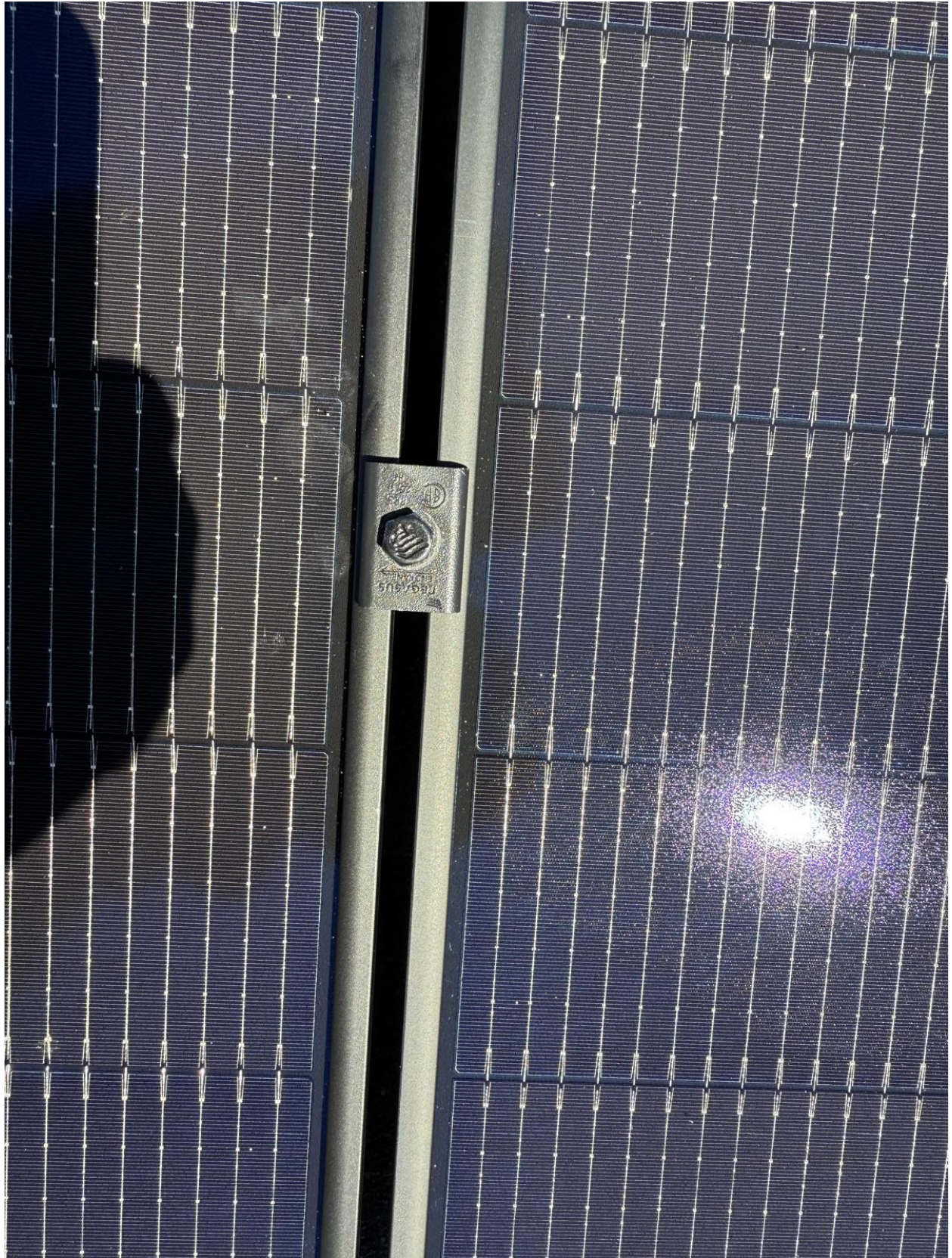








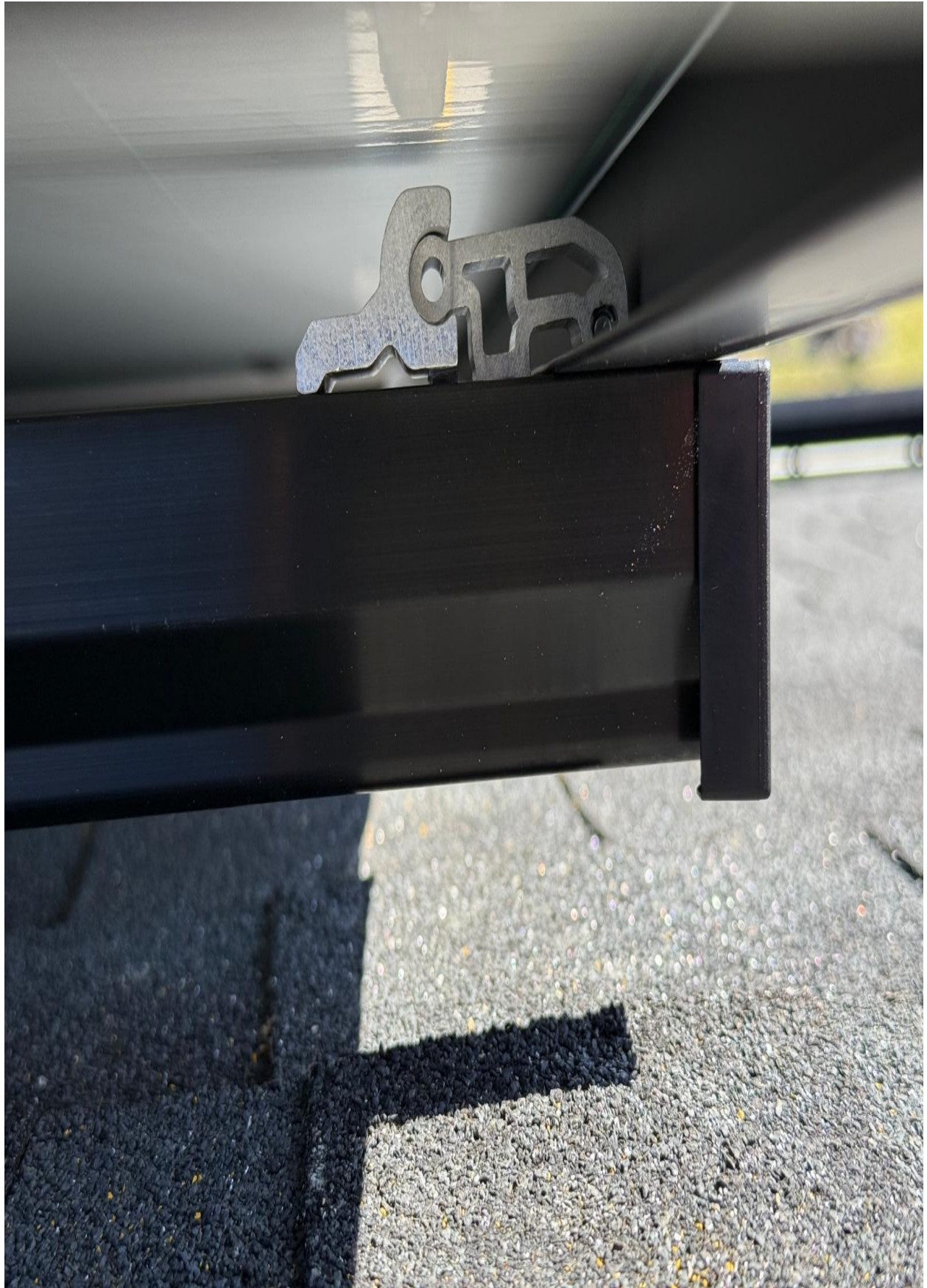




























































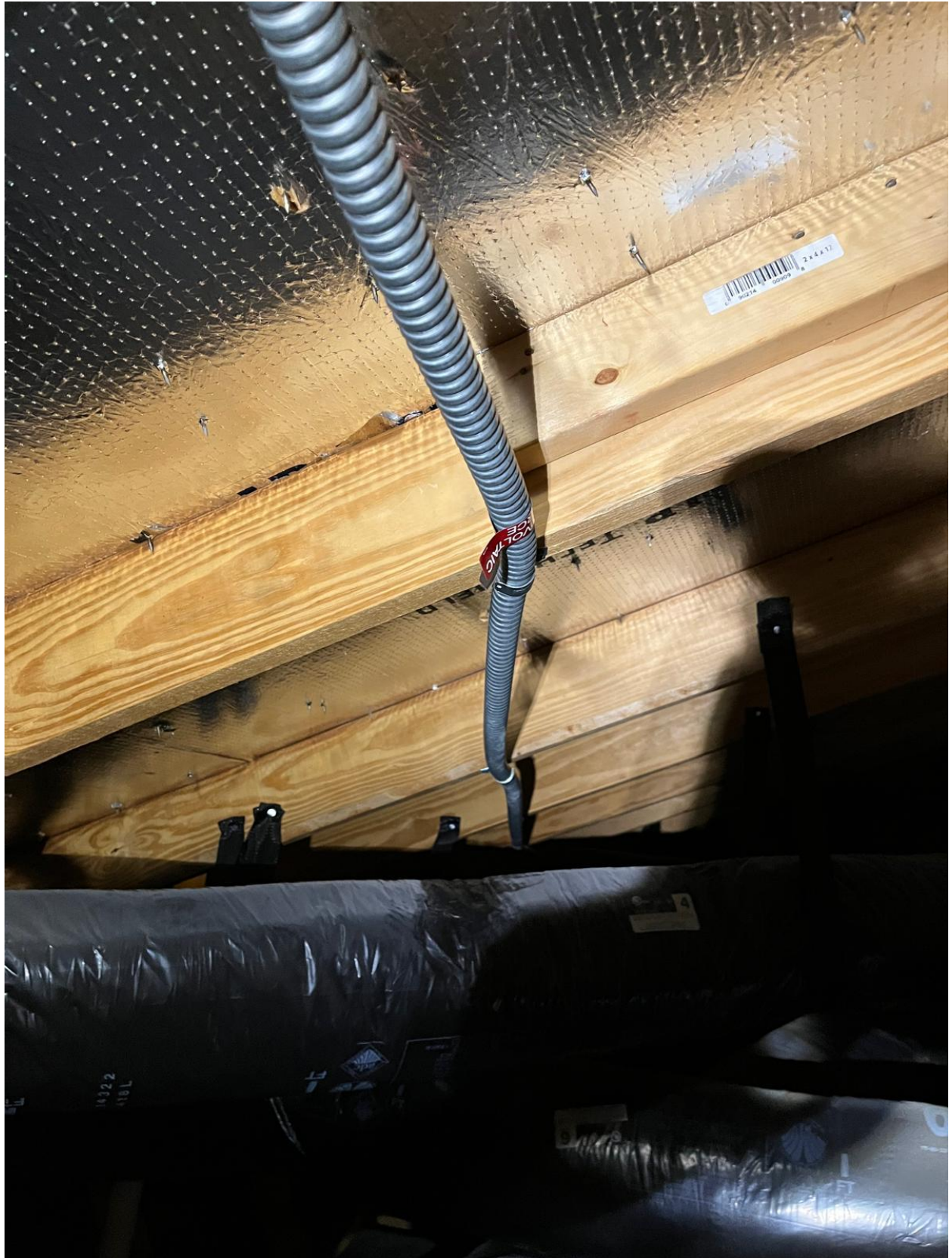








































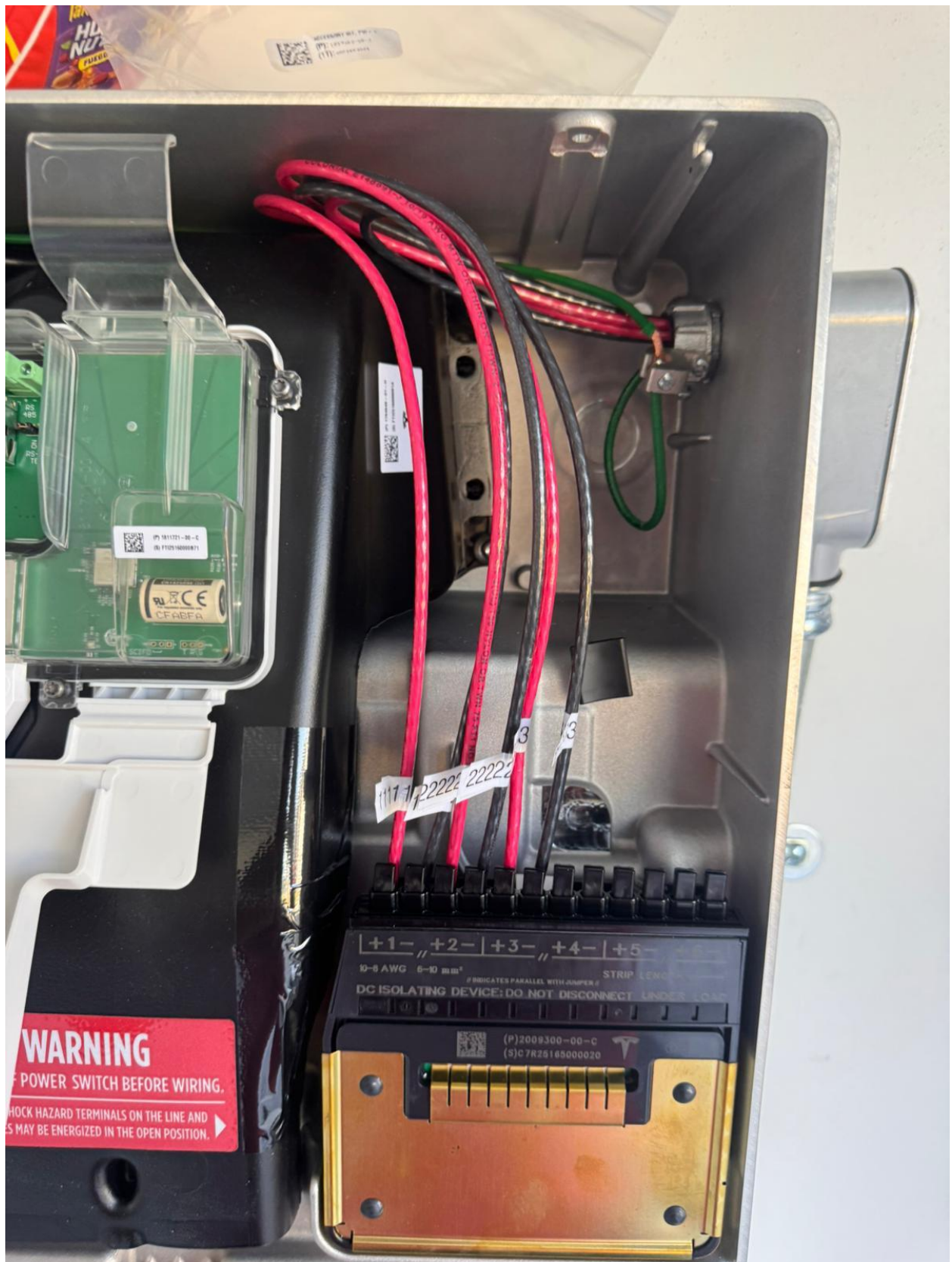




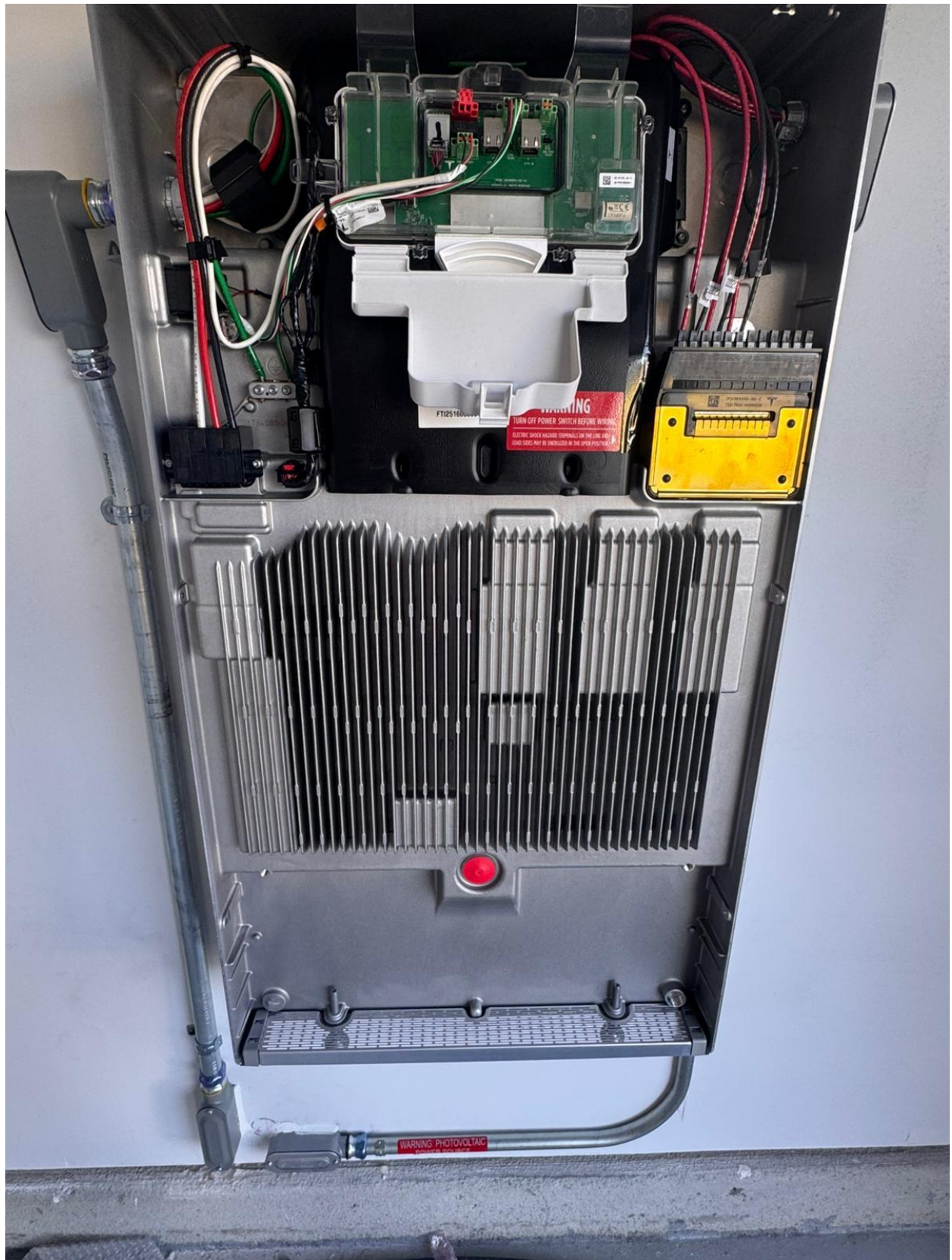




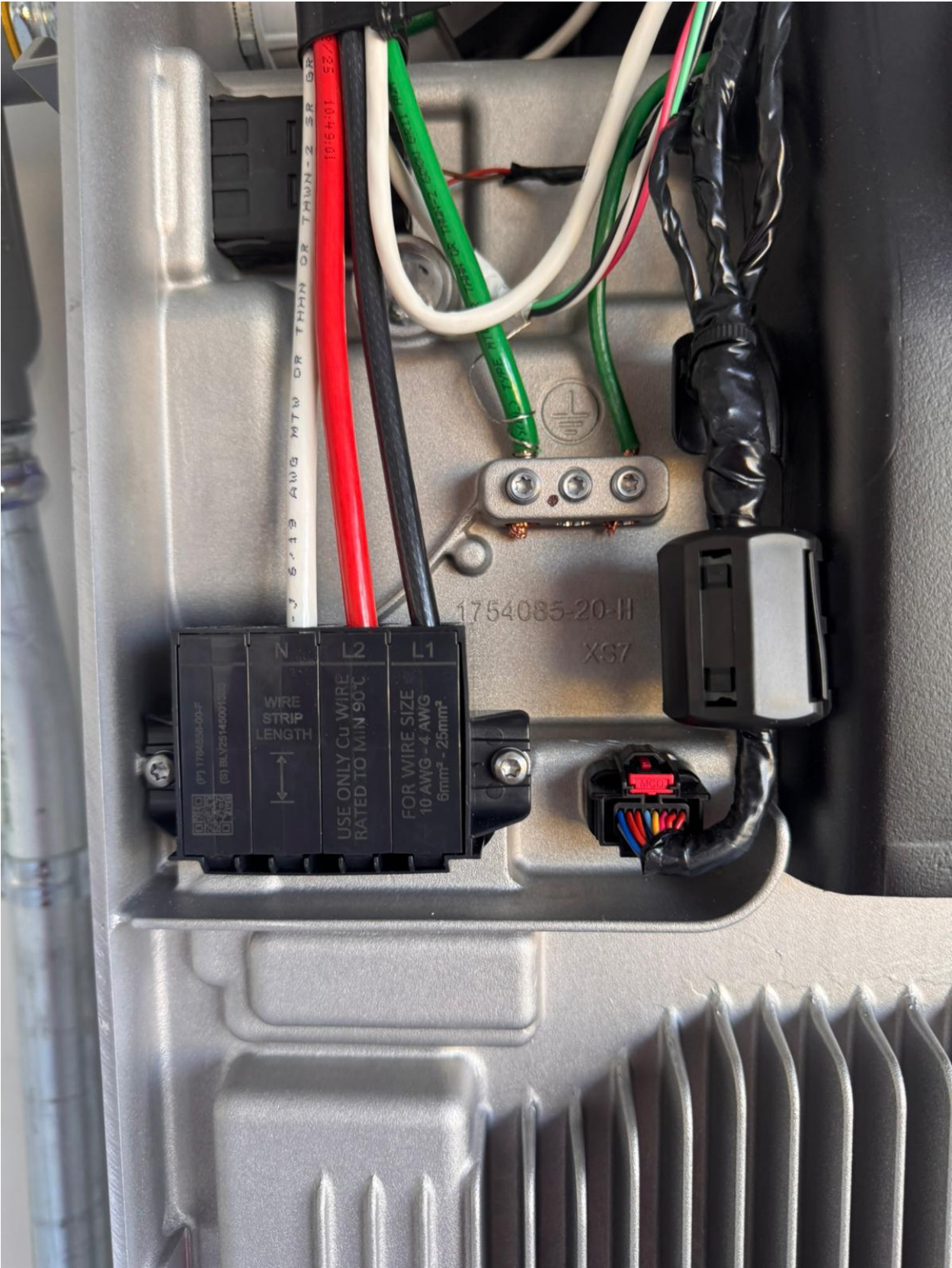




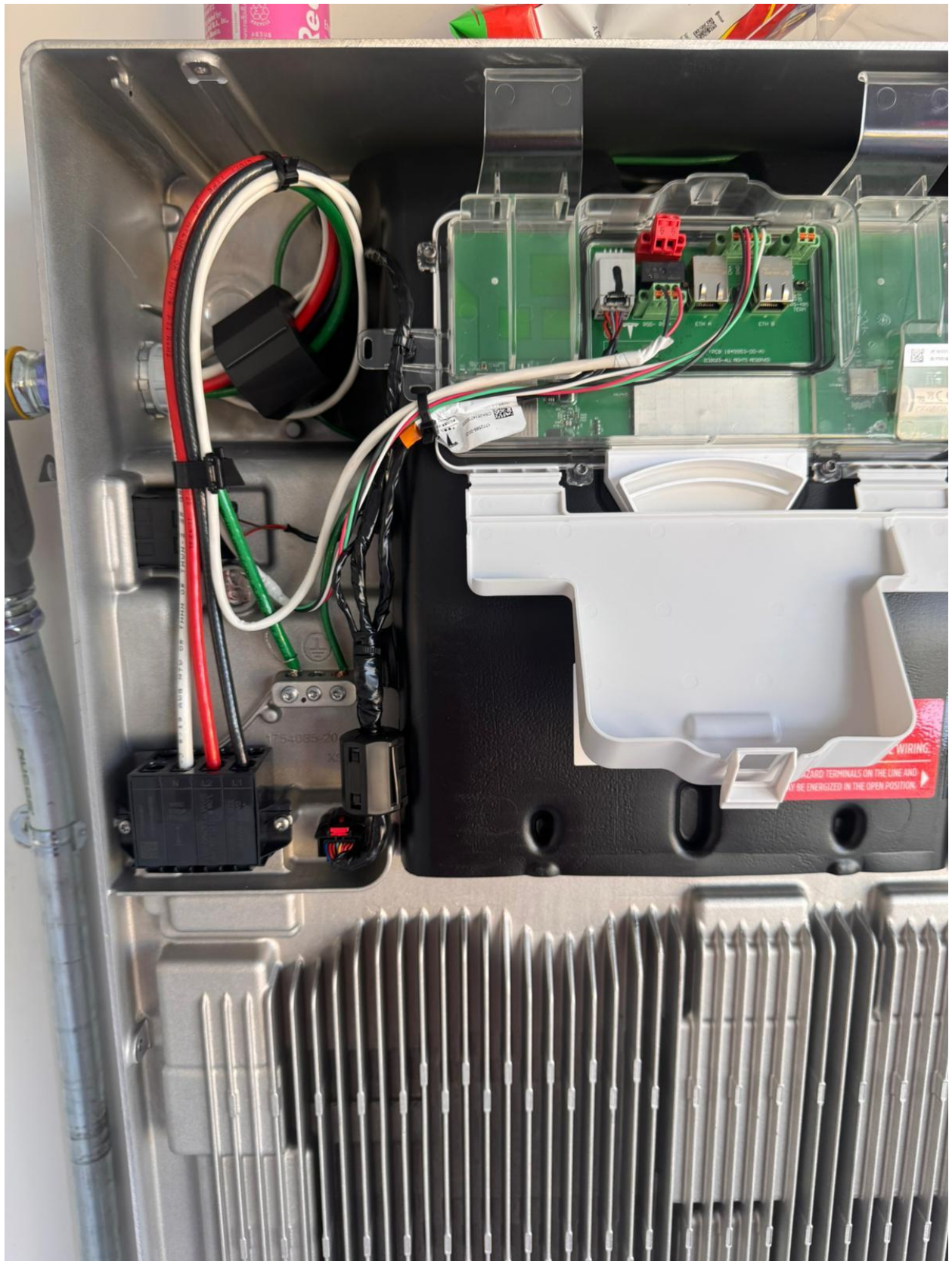






















PHOTOVOLTAIC

DC DISCONNECT

MAXIMUM VOLTAGE

550Vdc

MAXIMUM CIRCUIT CURRENT

13.72Adc

MAX. RATED OUTPUT CURRENT  
OF THE CHARGE CONTROLLER OR  
DC-TO-DC CONVERTER (IF INSTALLED)

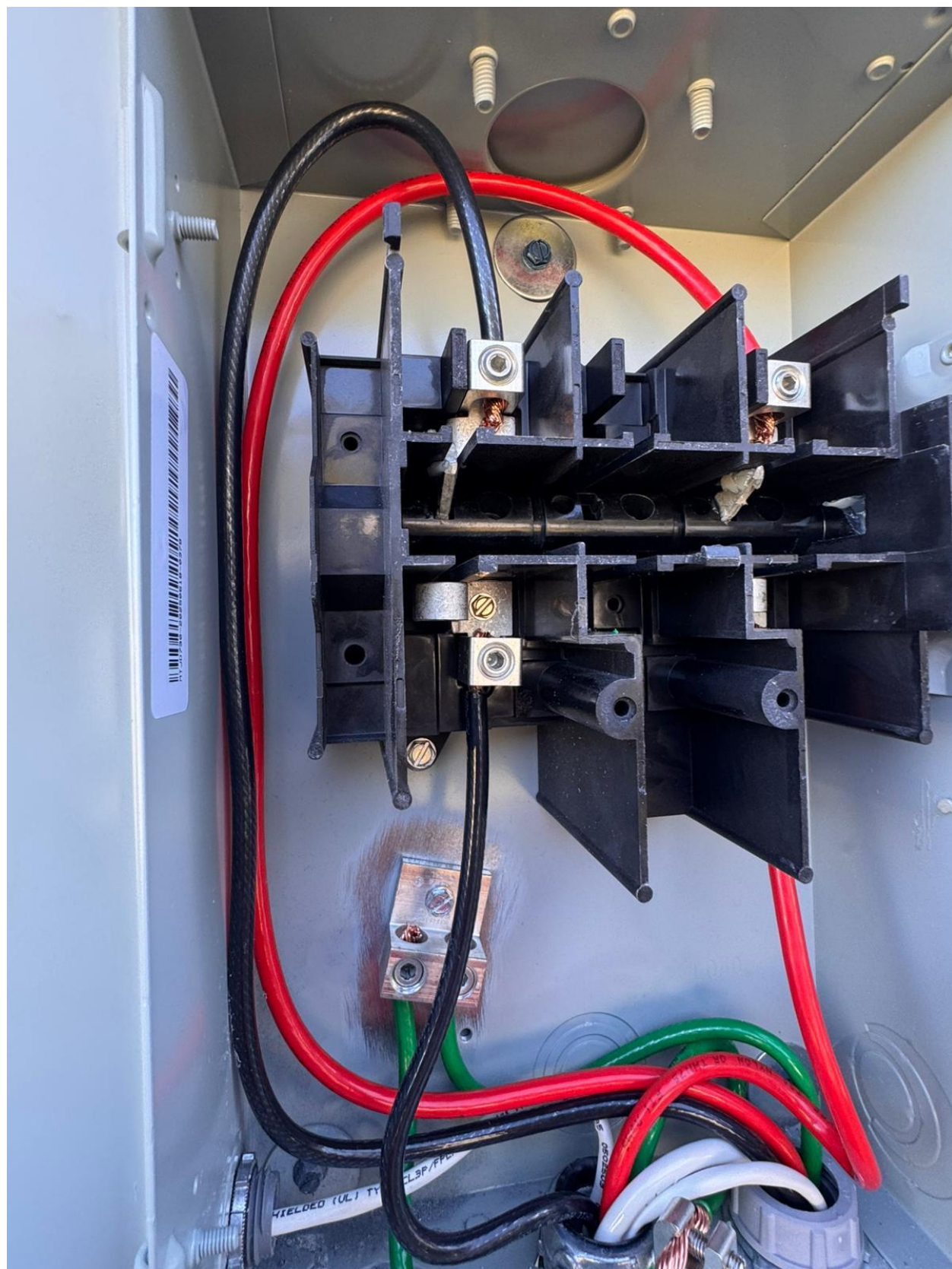


**WARNING**

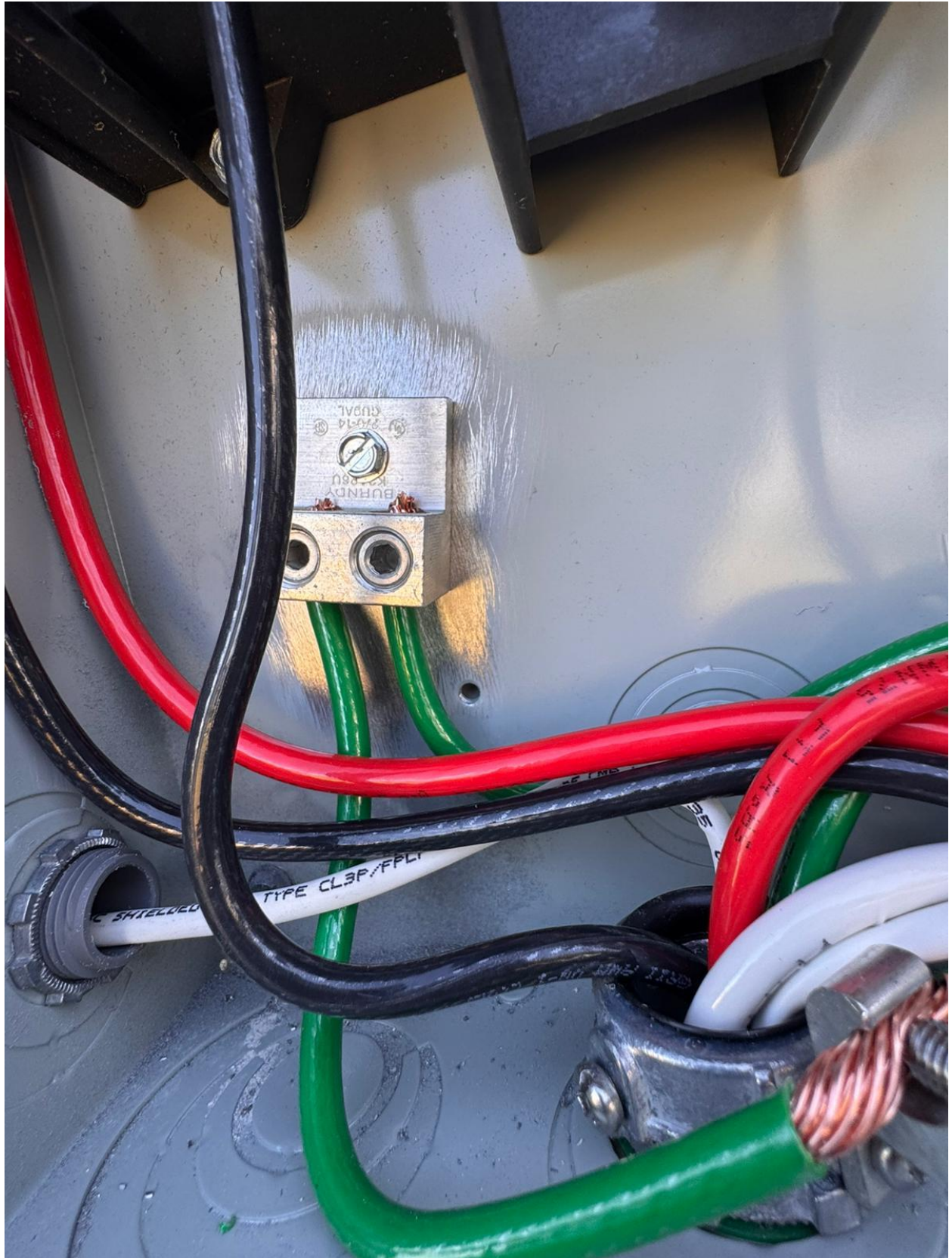
**THREE POWER SOURCES**

SOURCES: UTILITY GRID, BATTERY  
AND PV SOLAR ELECTRIC SYSTEM

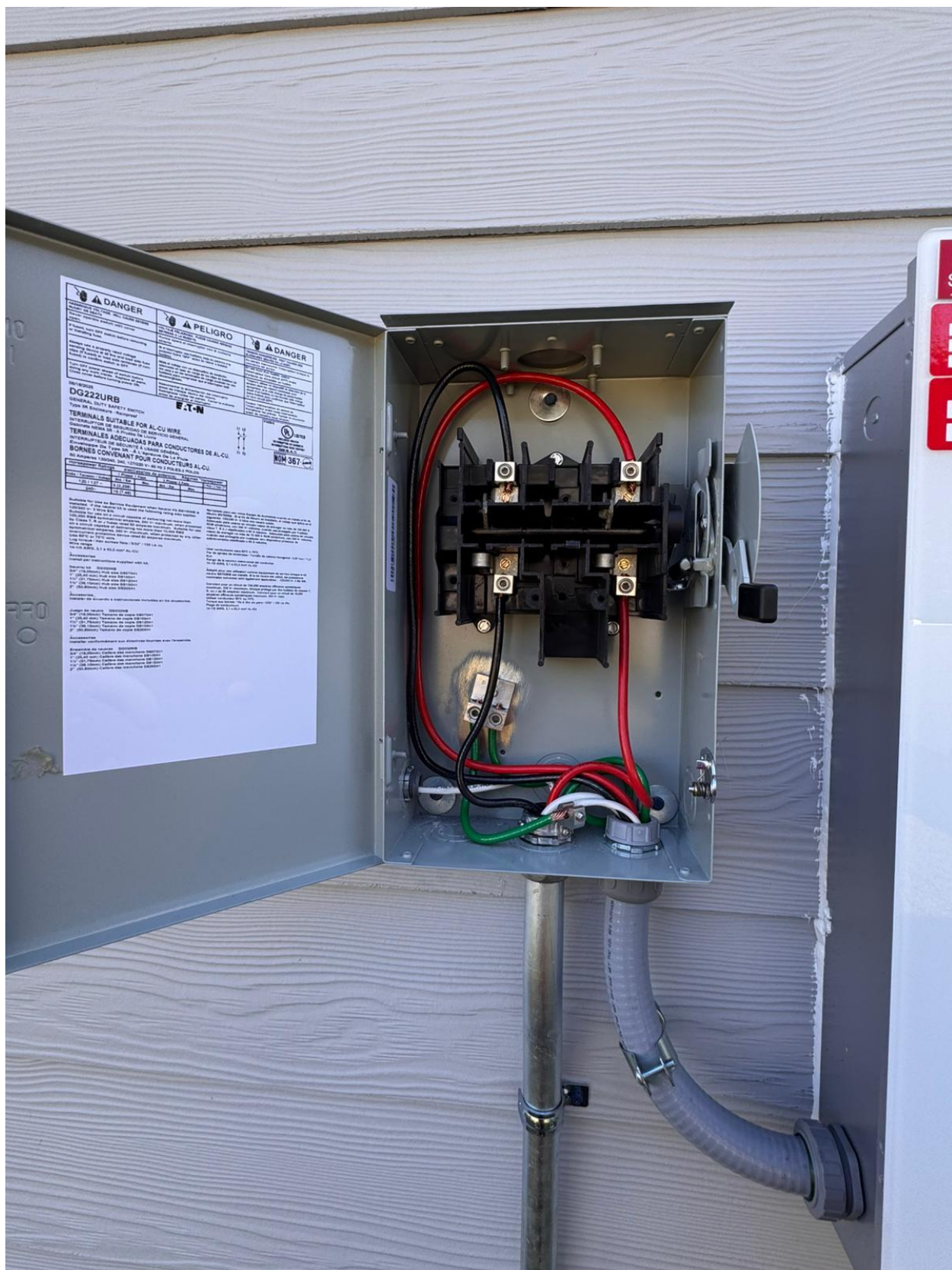




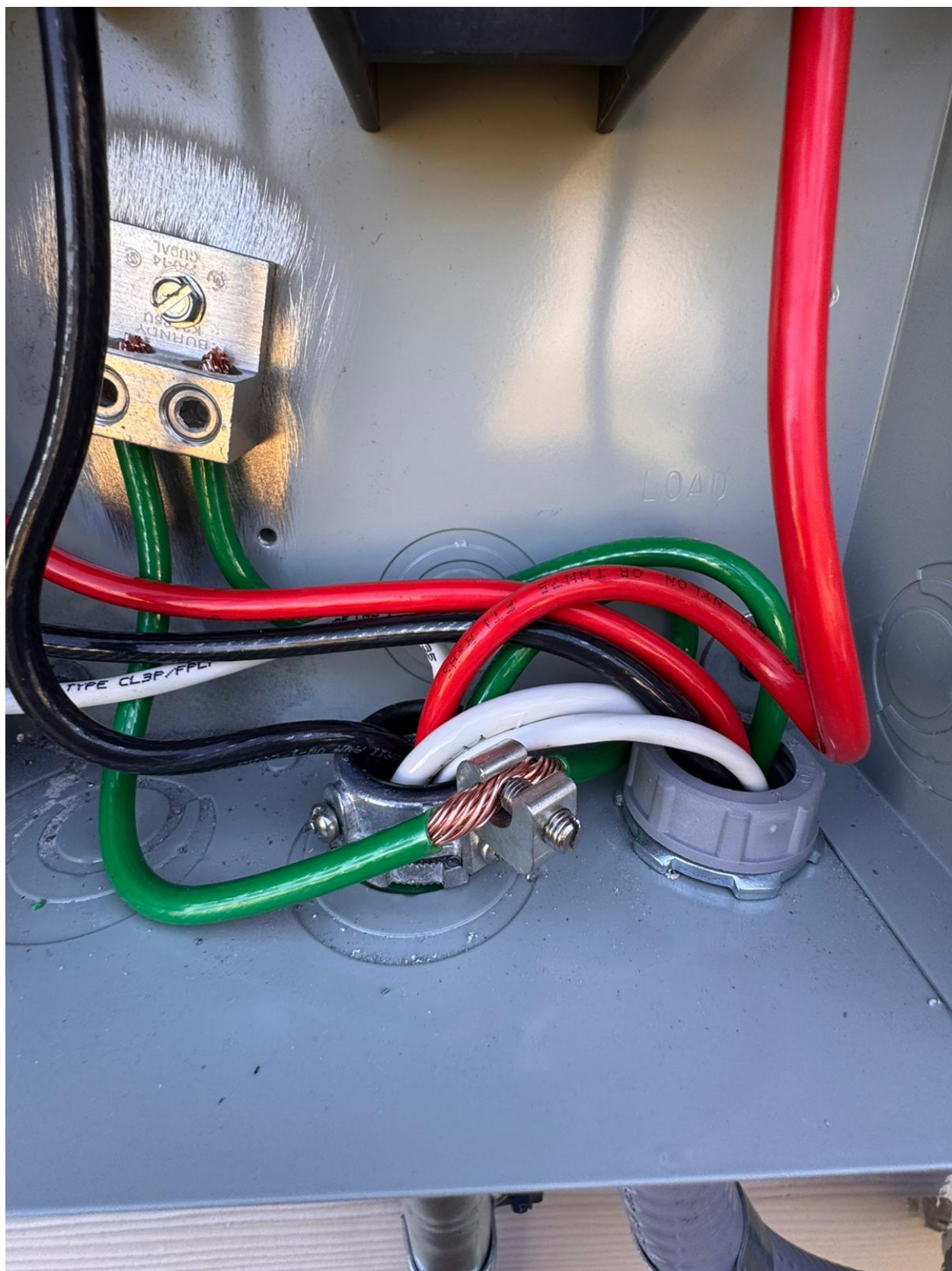














RAPID SHUTDOWN  
SWITCH FOR  
SOLAR PV SYSTEM



**EATON**

General Duty Safety Switch  
Interrupteur de sécurité à charge générale  
Interrupteur de sécurité de service général  
60 A, 240 V, 10 hp  
Conforme aux normes  
Conforme aux normes canadiennes à l'exception  
des exigences relatives à la certification en ce  
domaine  
Fulfilir instructions locales  
Fulfilir instructions à l'installation  
Fulfilir instructions de l'utilisateur  
Fulfilir instructions de l'installateur

**PHOTOVOLTAIC**  
**AC DISCONNECT**

**AC DISCONNECT**  
PHOTOVOLTAIC SYSTEM  
POWER SOURCE

RATED AC  
OUTPUT CURRENT **48** AMPS

NOMINAL OPERATING  
AC VOLTAGE **240** VOLTS

**RAPID SHUTDOWN  
SWITCH FOR  
SOLAR PV SYSTEM**

**WARNING**  
ELECTRIC SHOCK HAZARD  
TERMINALS ON THE LINE AND  
LOAD SIDES MAY BE ENERGIZED  
IN THE OPEN POSITION

**MADE IN  
U.S.A.**

SERVICE DISCONNECT LOCATED IN THE  
**BACKUP GATEWAY 3 PANEL**

BATTERY DISCONNECT LOCATED IN THE  
**BACKUP GATEWAY 3 PANEL**

ON  
OFF



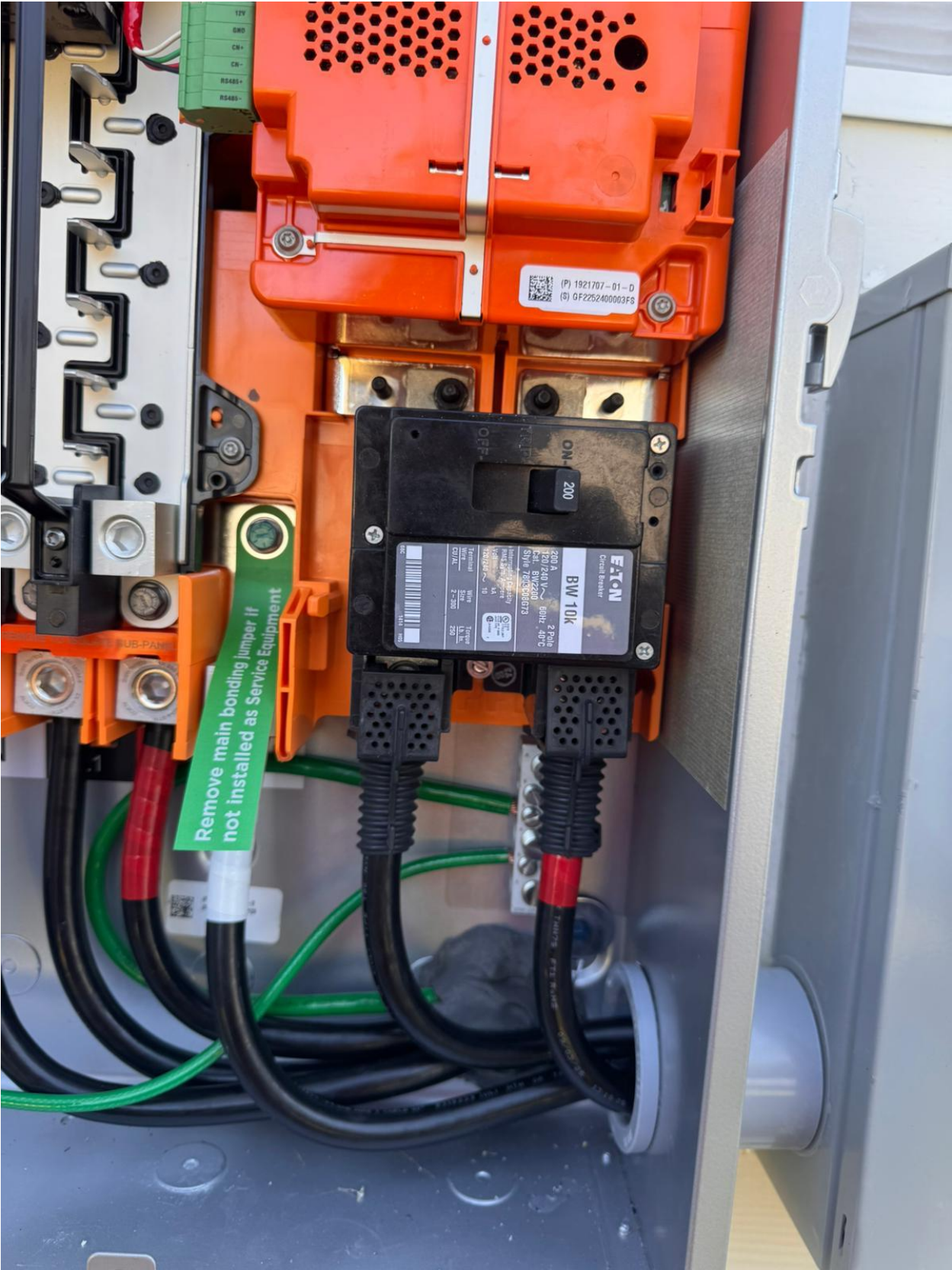








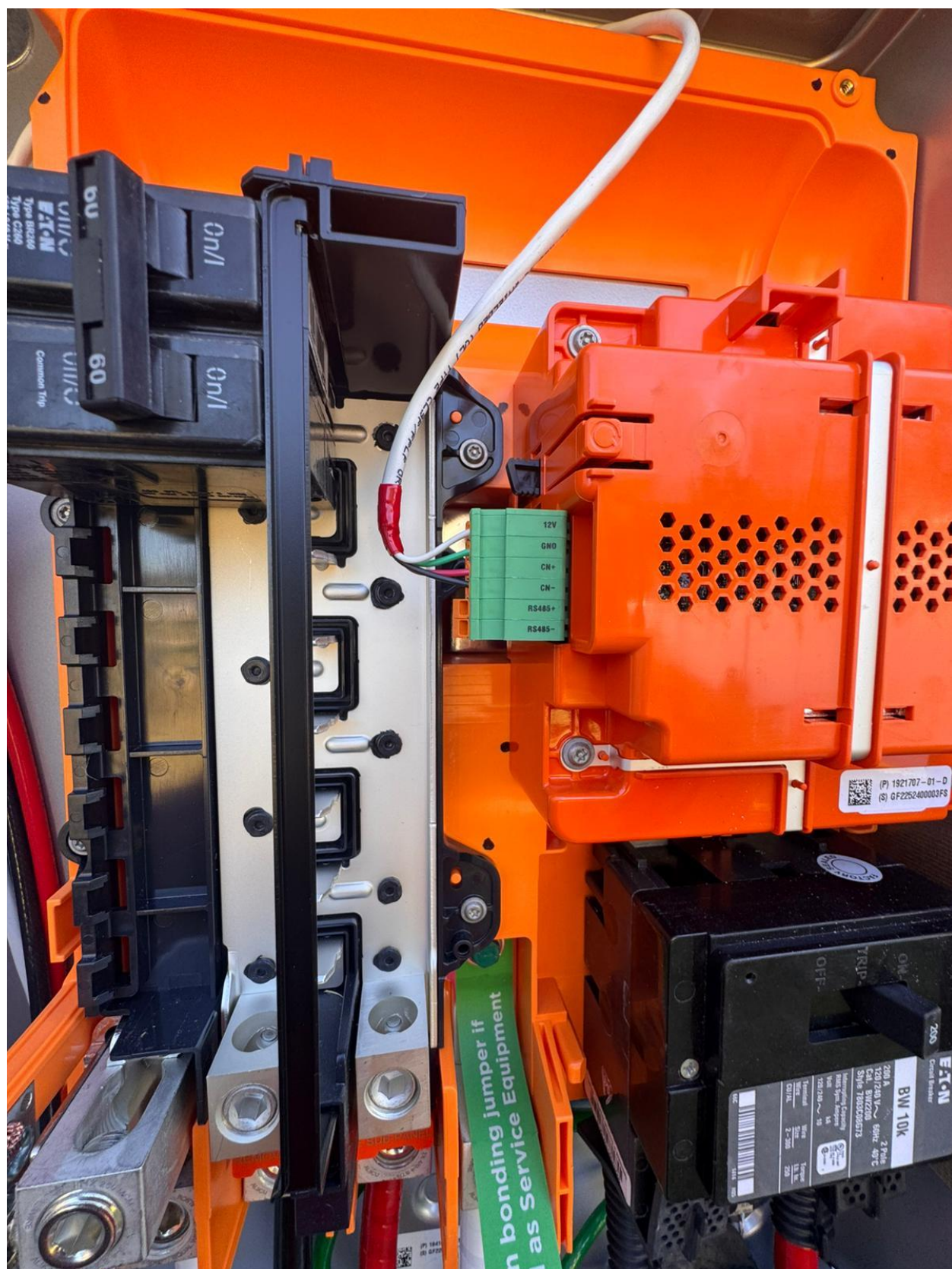




















MAIN BATTERY  
SYSTEM DISCONNECT

SOLAR AC DISCONNECT LOCATED AT  
NORTH WEST SIDE WALL OF THE HOUSE  
BESIDE THE UTILITY METER

SERVICE DISCONNECT LOCATED IN THE  
BACKUP GATEWAY 3 PANEL

Welcome  
Scan to get started









