

















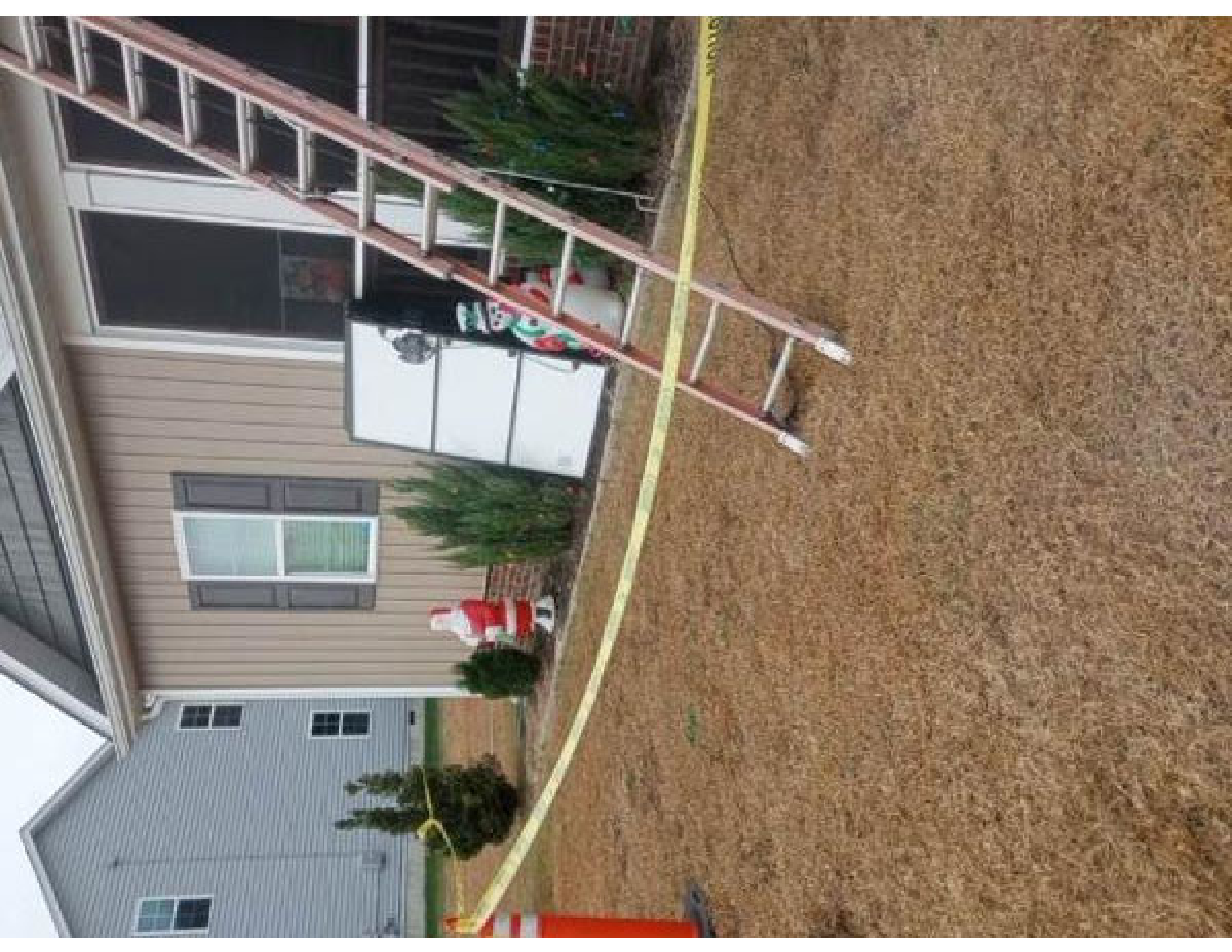
Job Hazard Analysis

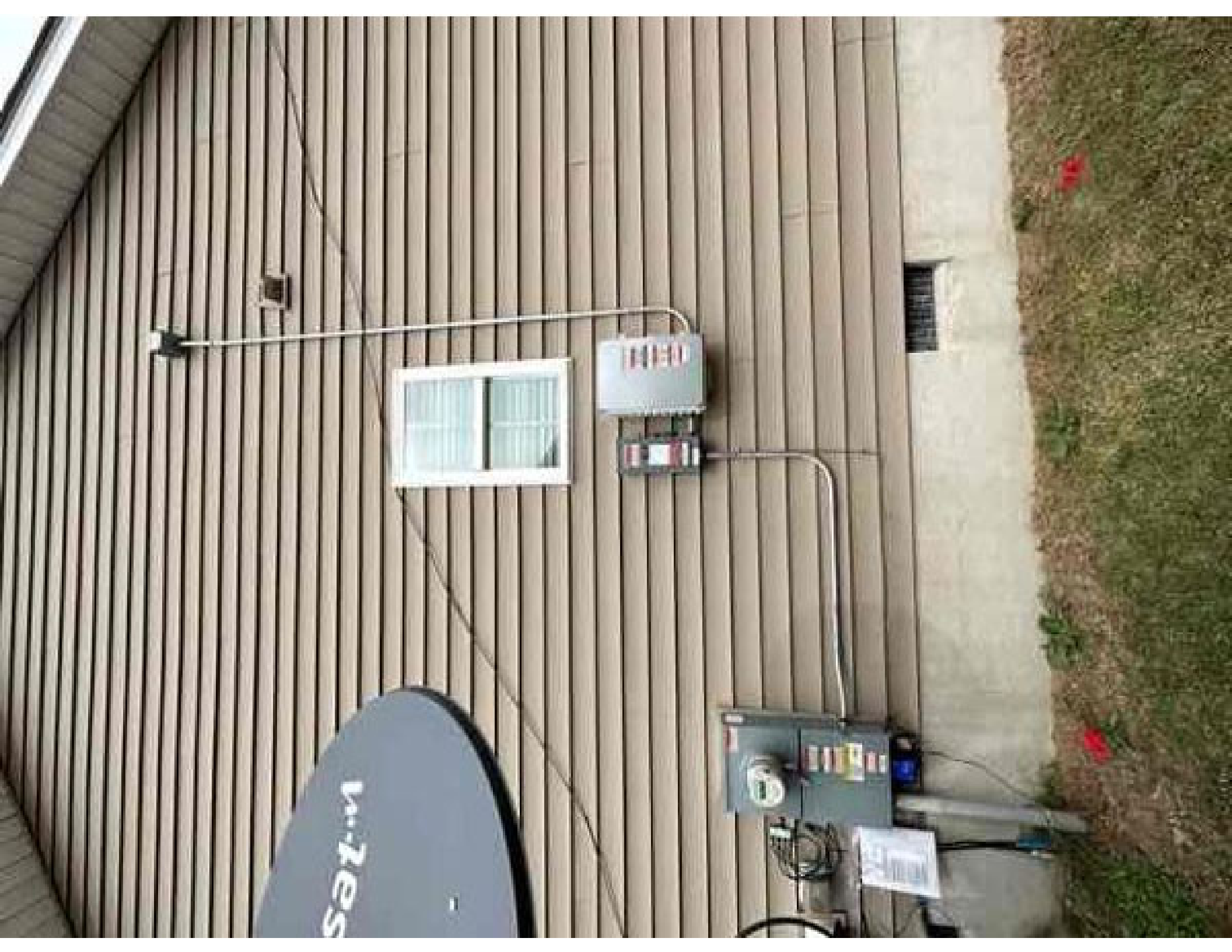


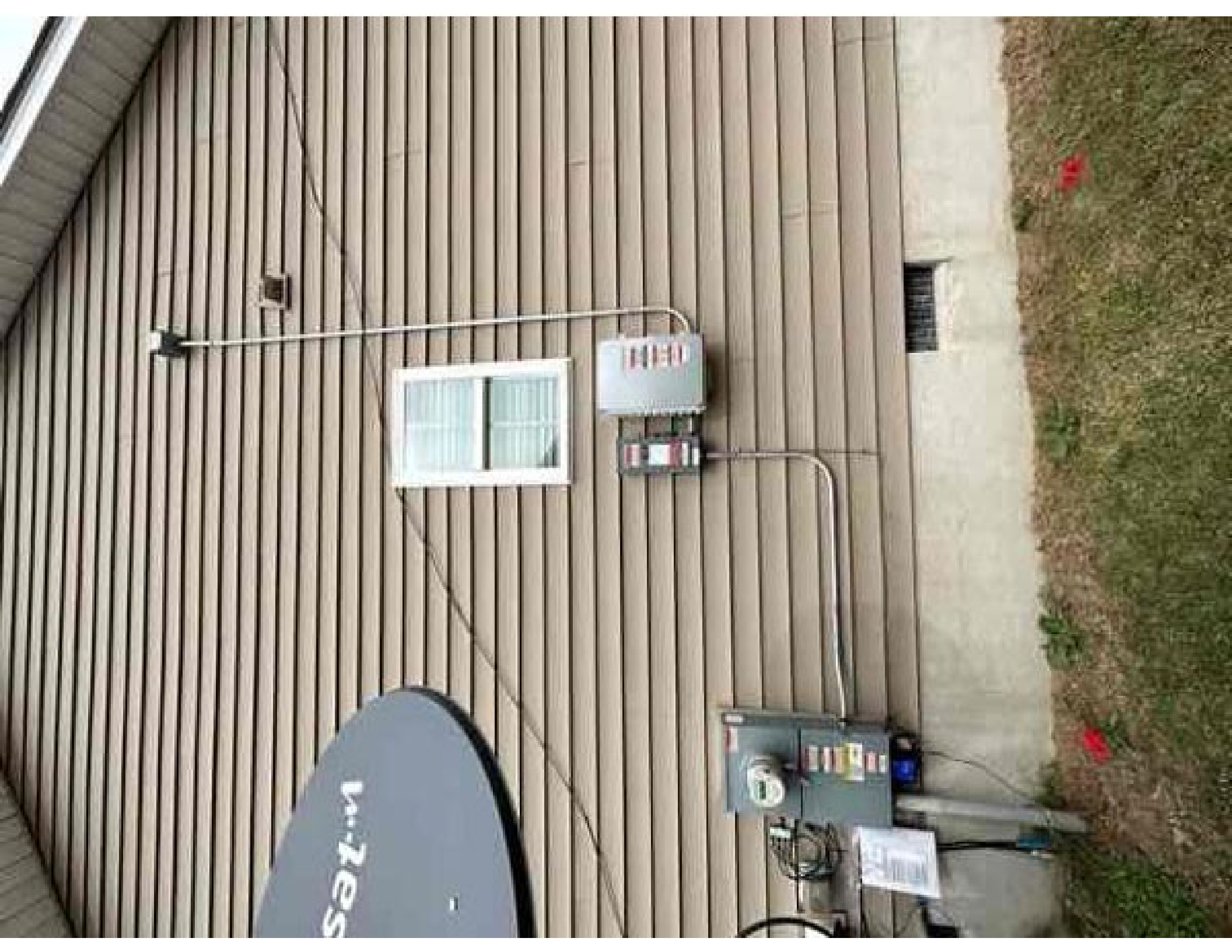
Customer Name: **Ronald Alexander** Address: **96 Southern Pl**
 Installation Date: **11-15-23** Designated Competent Person: **Jose Lopez**

Activity	Hazards	Steps to Mitigate	Controls
Climbing Ladders	Fall Hazards	<input checked="" type="checkbox"/> Ladder standard/feet/arms installed <input checked="" type="checkbox"/> Secured with ladder strap <input type="checkbox"/> Inspected for damage <input type="checkbox"/> Set up at a 1:4 Ratio	none J.L.
Working over E'	Falls from roof Falls from attic	<input checked="" type="checkbox"/> Harness/Ropes/Anchor/DBAs inspected <input checked="" type="checkbox"/> Anchor points installed correctly <input checked="" type="checkbox"/> 100% tie off over E' <input checked="" type="checkbox"/> Fall restraint in use <input checked="" type="checkbox"/> Fall arrest in use <input checked="" type="checkbox"/> Potential swing falls identified	none J.L.
Work in high (85°-95°) to extreme (100°+) heat	Heat stress, heat exhaustion/heat stroke Sunburn	<input checked="" type="checkbox"/> Awareness - buddy system/ breaks when necessary <input checked="" type="checkbox"/> Hydration (water available) <input checked="" type="checkbox"/> Electrolytes	none J.L.
Working within the RAZ	Struck by hazard (falling objects)	<input checked="" type="checkbox"/> Everyone within RAZ wearing hardhats <input checked="" type="checkbox"/> All four sides of RAZ enclosed	none J.L.
Electrical work	Electrical shock/electrocution Arc Flash	<input checked="" type="checkbox"/> Arc-Rate PPE - GAFI shirt, pants, safety glasses, face shield, boots, earplugs, electrically insulated gloves within 18" of exposed live components, GAFI arc flash gloves within 1' of electrical panel	none J.L.
Other/general hazards	Struck by flying objects (saw) Cut hazards Ergonomic hazards (sprains)	<input checked="" type="checkbox"/> Safety glasses worn at all times <input checked="" type="checkbox"/> Cut & glass worn at all times <input checked="" type="checkbox"/> Proper lifting techniques/ team lifting	none J.L.
Other Tasks	Other hazards	<input checked="" type="checkbox"/> Steps to mitigate (omit)	none J.L.

Crew Members		Signature
Crew Lead: Jose Lopez		[Signature]
Dec [Signature]		[Signature]
Cody [Signature]		[Signature]
Emmanuel		







- 2323001900112
- 2323001900113
- 2323001900114
- 2323001900115
- 2323001900116
- 2323001900117
- 2323001900118
- 2323001900119
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- 2323001900130

Combine LED & button quick reference guide

1. Inverter warning (Warning LED)

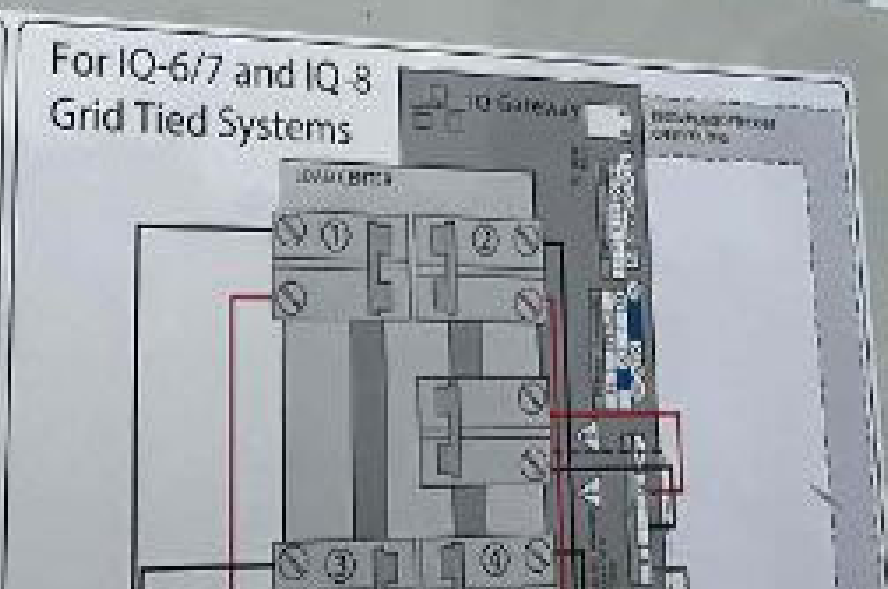
- Green light: Inverter is operating normally.
- Yellow light: Inverter is operating at a high temperature.
- Red light: Inverter is operating at a very high temperature.
- Red light with lightning bolt: Inverter is operating at a very high temperature and is in a fault state.
- Red light with lightning bolt and 'X': Inverter is in a fault state.

2. AP mode LED

- Green light: AP mode is enabled.
- Yellow light: AP mode is disabled.
- Red light: AP mode is disabled and the inverter is in a fault state.

3. AP mode button

Click and hold the button for 5 seconds to enter AP mode. The inverter will start to flash the AP mode LED.





202308160812



202308191773



202308169099



202308192688



202308192688



202308166548



202308189803



202308192206



202308158904



202308158904

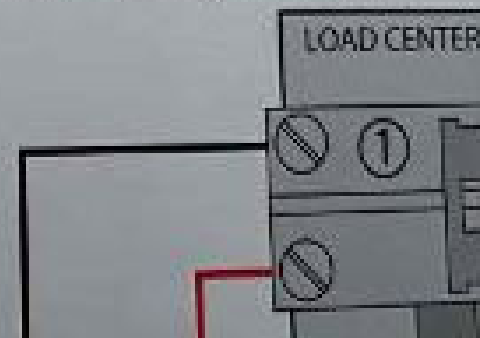
Combiner LED & buttons quick reference guide



Enlighten communication LED

- Green when connected to Enphase's Enlighten cloud.
- Flashing green when connection to Enlighten or NPS is in progress.
- Solid amber when connected to local network only (i.e., no internet).
- Off if no network is available.

For IQ-6/7 and IQ-8 Grid Tied Systems





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202308191595



202308191000



202308191417



202308158904



202308191592



202308188923

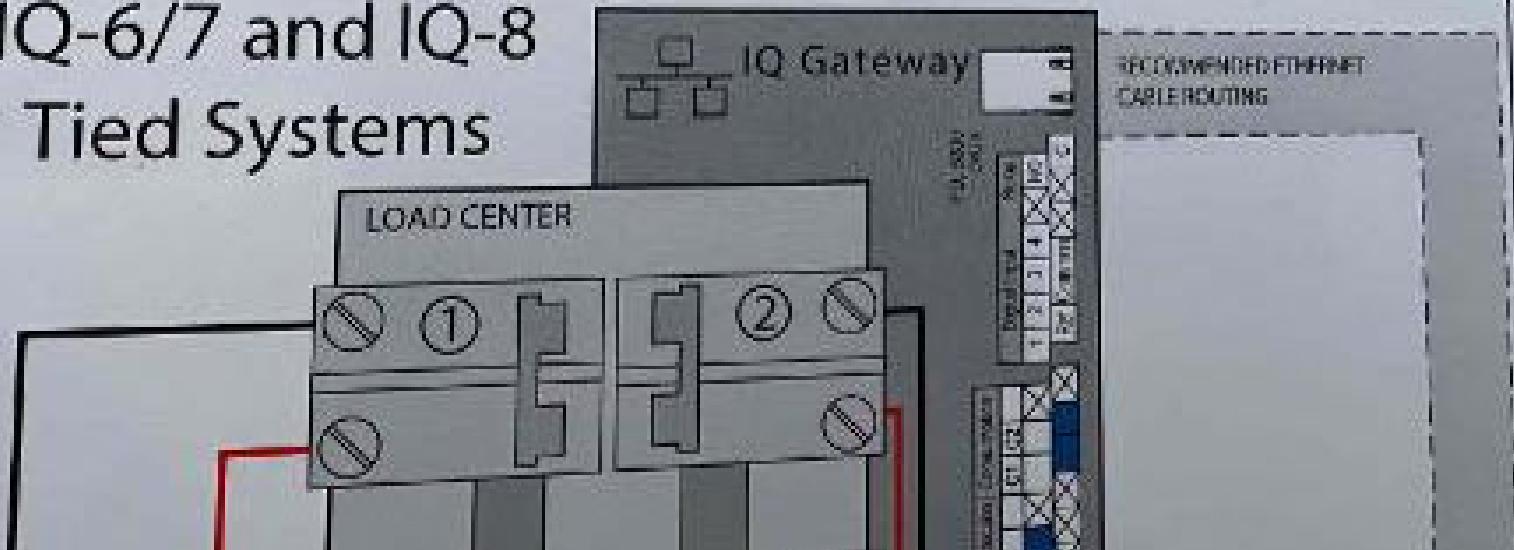


202308181838



202308188868

or IQ-6/7 and IQ-8 Grid Tied Systems





ENPHASE

IQ Combiner 4

Photovoltaic
Combiner Box

X2-IQ-AM1-240-4

IEEE1547-2018 COMPLIANT



For IQ-8
Forming

Electrical ratings

Voltage 240VAC, 50Hz
 DG Breakers 80A MAX (combined)
 DG Inputs 64A MAX (combined)
 Output 65A MAX, 90A MAX Feeder OCPD
 Temperature 46°C MAX ambient
 For DG breakers, use only Eaton BR series.

202319119951

S/N 202319119951

P/N: 883-00353 15

Dedicated solar and DG Combiner Box - do not add loads
 10-AMP or 15-AMP IQ Gateway Breaker not used for backfeed

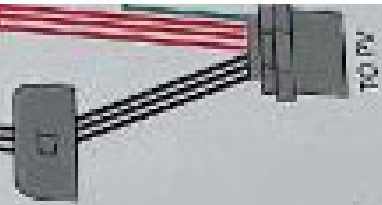
Connection	Wire sizes	Torque
DG Breaker (1, 2, 3, 4)	14-10 AWG	2.2 Nm (20 lb-in)
	8 AWG	2.6 Nm (25 lb-in)
	6-4 AWG	3.0 Nm (27 lb-in)
60A Circuit Breaker only	4-10 AWG	5.0 Nm (45 lb-in)
10 Gateway Breaker	14-10 AWG	2.26 Nm (20 lb-in)
	2-DG AWG 14-3 AWG	5.6 Nm (45 lb-in) 5.1 Nm (45 lb-in)
Neutral and ground	Large screw	3.6 Nm (32 lb-in) 2.6 Nm (23 lb-in)
	Small screw	2.3 Nm (20 lb-in)
		10-1 AWG 5-3/0 AWG
Main lug		

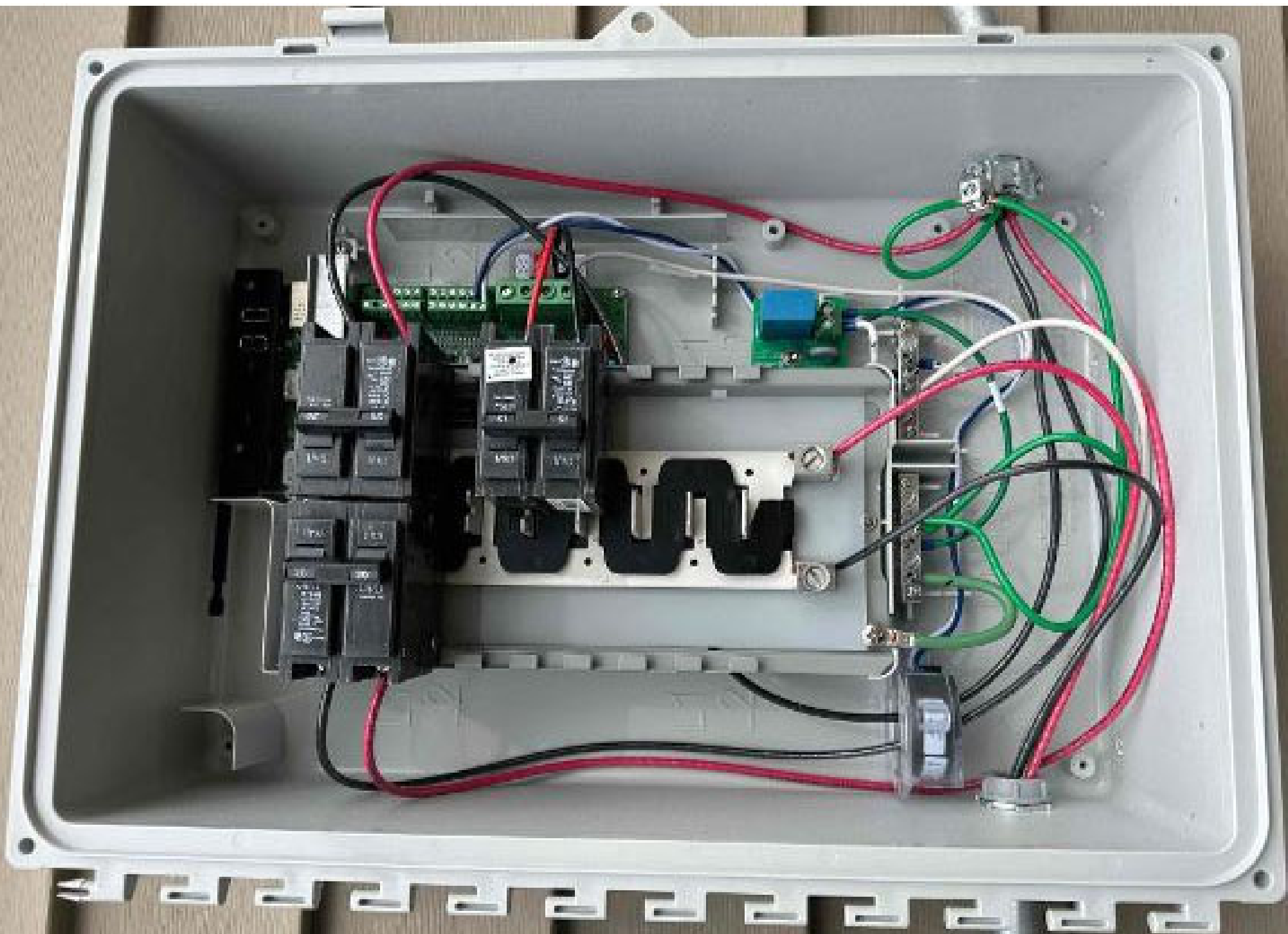
Copper conductors only, rated min. 75°C

Follow NFPA 70 (NEC), or CEMA 24.1 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
 Made in Mexico



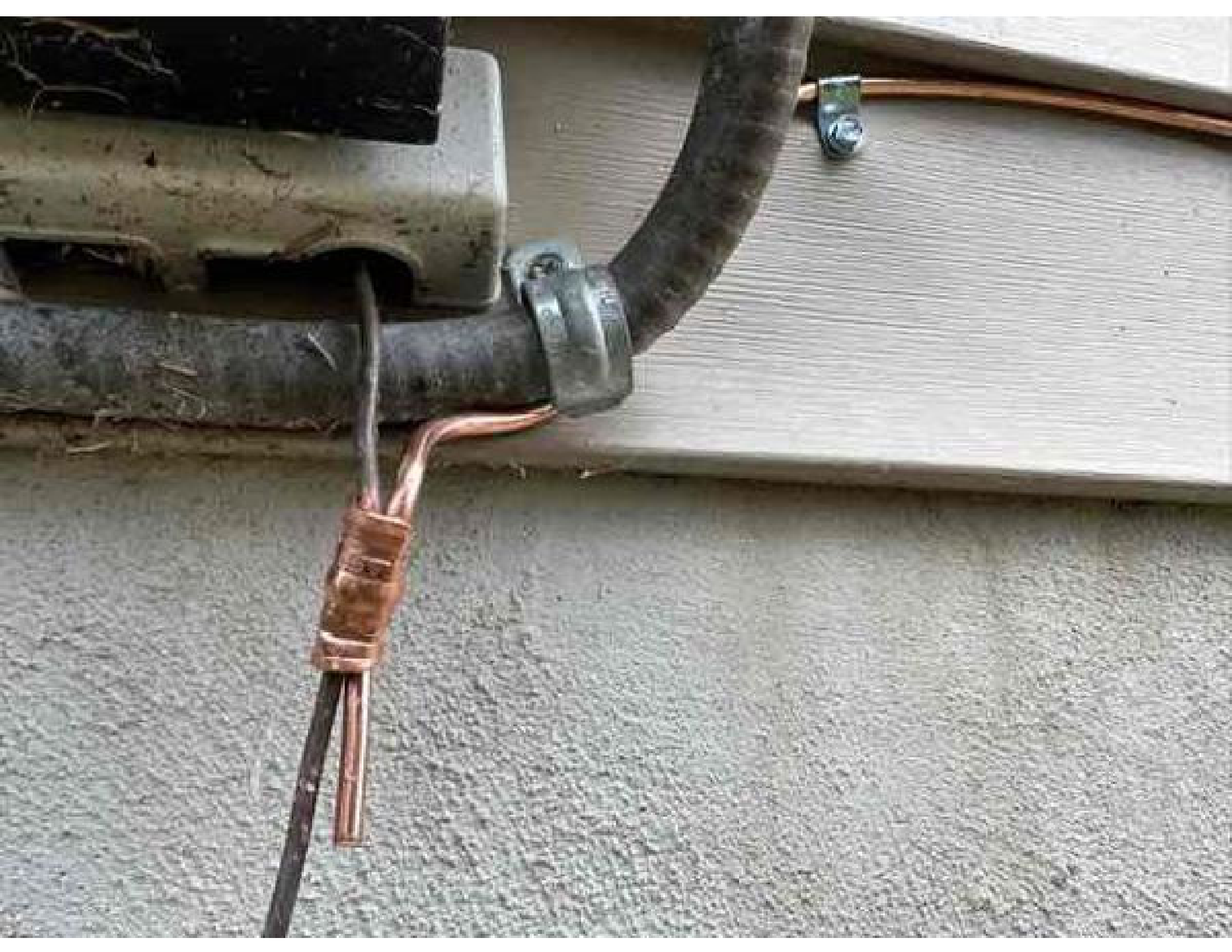




A-ADVERTENCIA
A-WARNING

VORTEX
V8-1.20







⚠ WARNING

ELECTRIC SHOCK HAZARD

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

PHOTOVOLTAIC SYSTEM

⚠ AC DISCONNECT ⚠

RATED AC OUTPUT CURRENT 19.7 A

NOMINAL OPERATING AC VOLTAGE 240 V

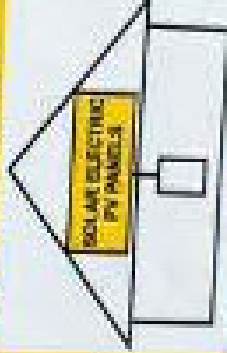
⚠ WARNING

DUAL POWER SUPPLY

SOURCES: UTILITY GRID AND
PV SOLAR ELECTRIC SYSTEM

**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



⚠ WARNING

MAIN DISTRIBUTION UTILITY EQUIPPED TO
POWER TO THE MAIN DISTRIBUTION PANEL
FROM A NON-DETERMINED SOLAR ARRAY WITH A
RAPID SHUTDOWN OCCURRING WITHIN A
SPECIFIED LABELLED SWITCHING DEVICES
AND TO THE MAIN DISTRIBUTION

⚠ WARNING

INVERTER OUTPUT CONNECTION
DO NOT RELOCATE
THIS OVERCURRENT
DEVICE



⚠ WARNING

ELECTRIC SHOCK HAZARD

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

PHOTOVOLTAIC SYSTEM

⚠ AC DISCONNECT ⚠

RATED AC OUTPUT CURRENT 19.7 A
NOMINAL OPERATING AC VOLTAGE 240 V

⚠ WARNING

THIS EQUIPMENT FED BY MULTIPLE
SOURCES. TOTAL RATING OF ALL
OVERCURRENT DEVICES, EXCLUDING
MAIN SUPPLY OVERCURRENT
DEVICE, SHALL NOT EXCEED
CAPACITY OF BUSBAR.

⚠ WARNING

**PHOTOVOLTAIC SYSTEM
COMBINER PANEL**

DO NOT ADD LOADS

⚠ WARNING

READ THE FULL TECHNICAL DOCUMENTATION FOR
PHOTOVOLTAIC SYSTEMS IN ALL APPLICABLE
CODES AND REGULATIONS. ALWAYS FOLLOW THE
INSTALLATION AND MAINTENANCE INSTRUCTIONS
PROVIDED WITH THE EQUIPMENT. CONTACT THE
MANUFACTURER FOR MORE INFORMATION.

⚠ WARNING

DUAL POWER SUPPLY

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



 **WARNING**

DUAL POWER SUPPLY

SOURCES: UTILITY GRID AND
PV SOLAR ELECTRIC SYSTEM



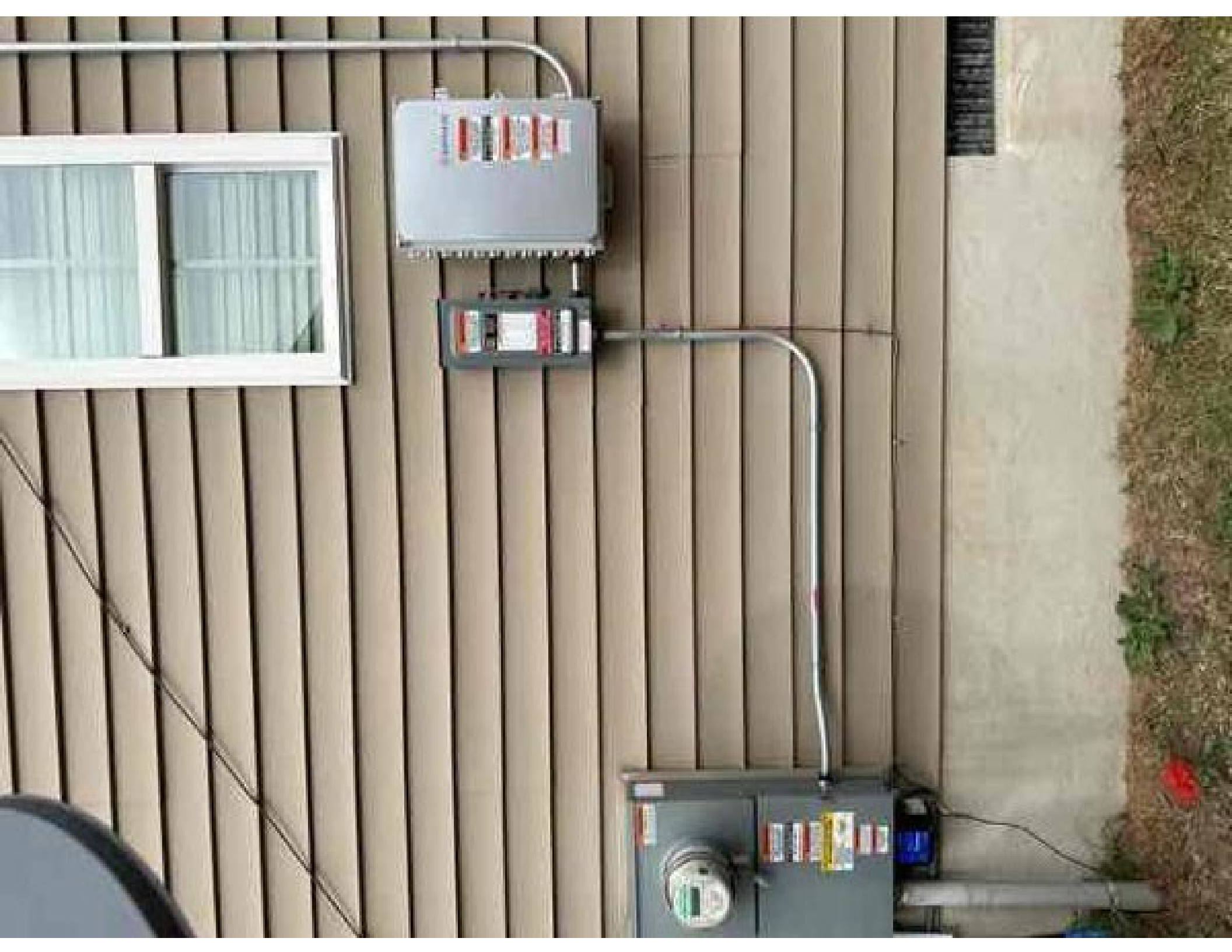


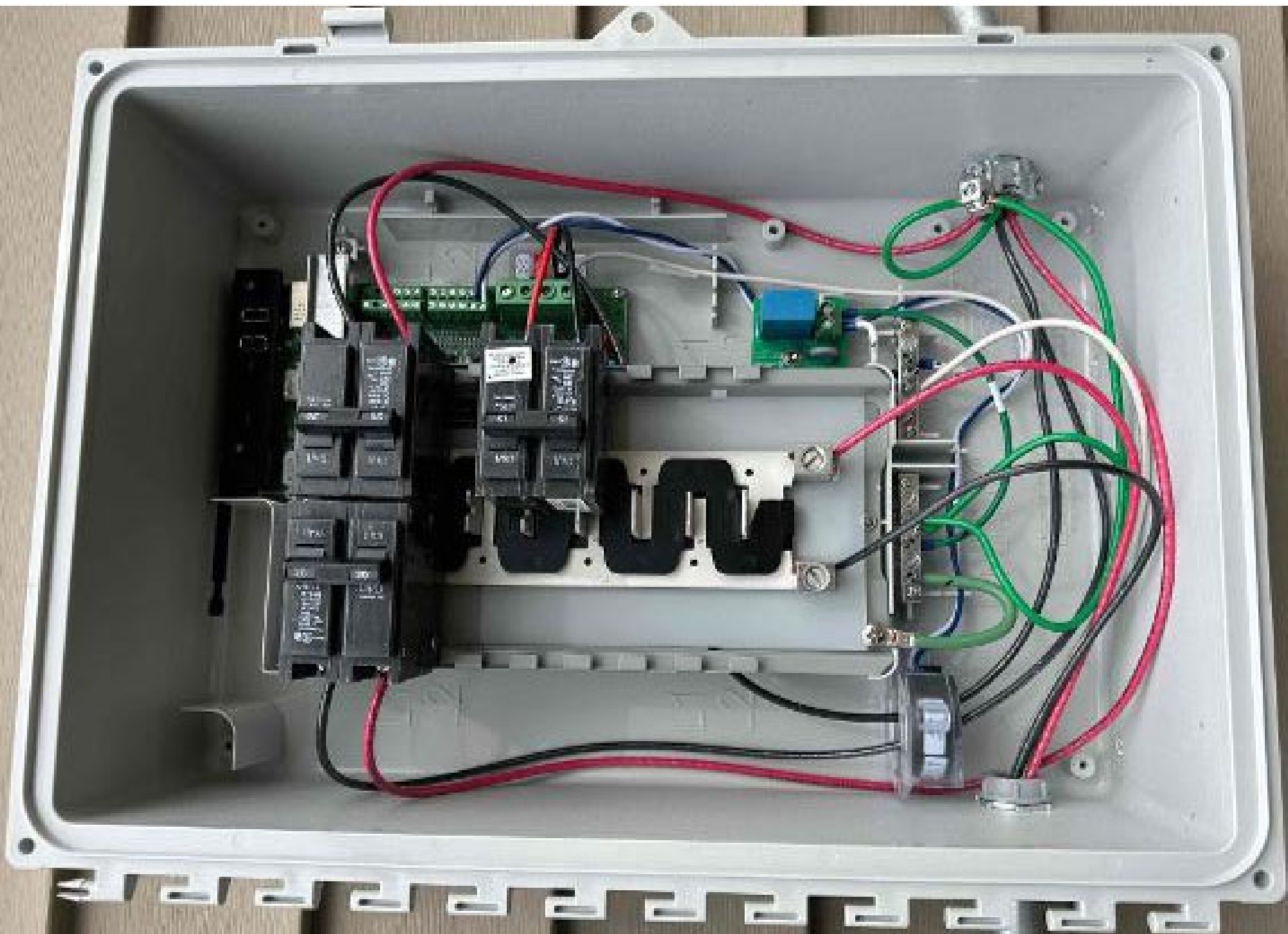
Ronald

Alexander

96 Southern Rd

11-51-11

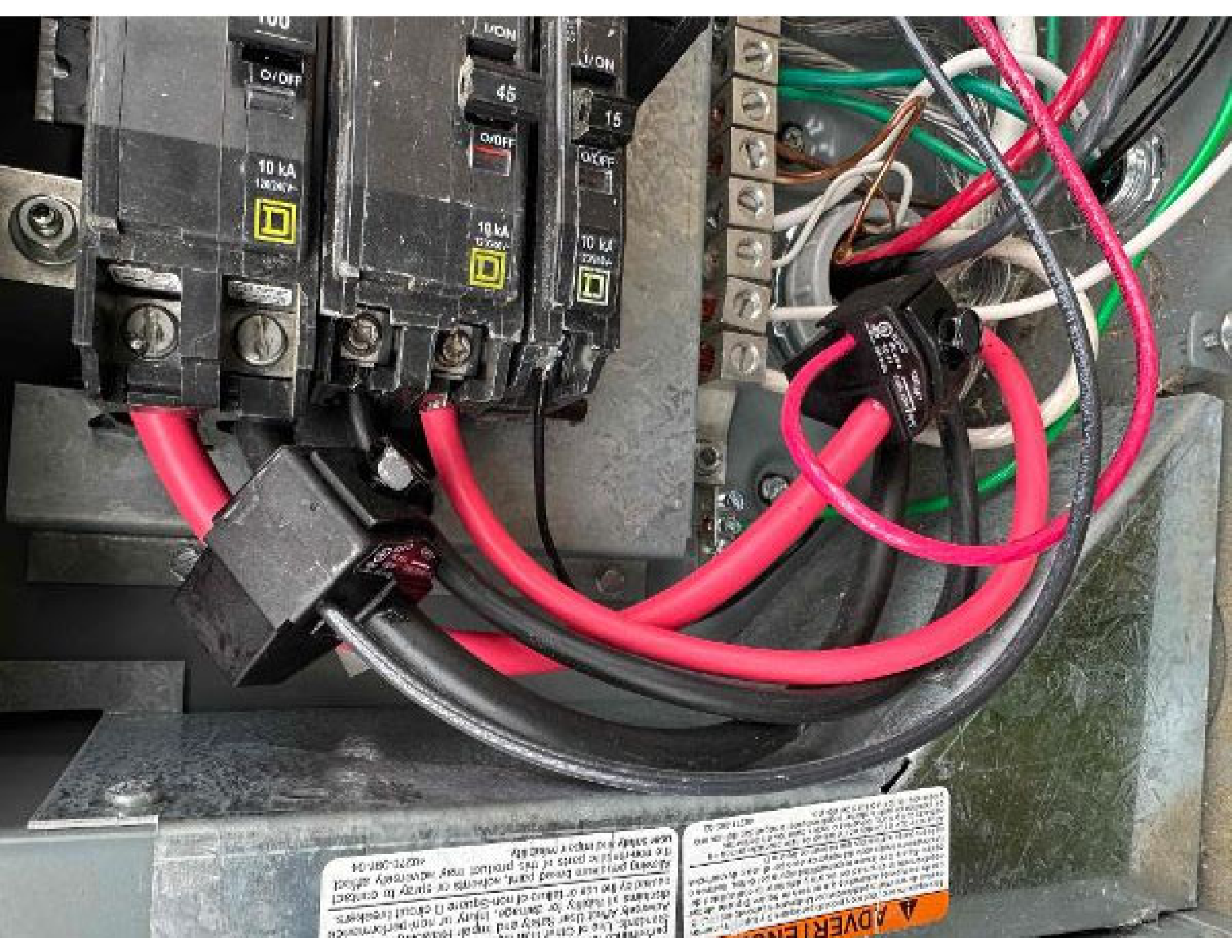




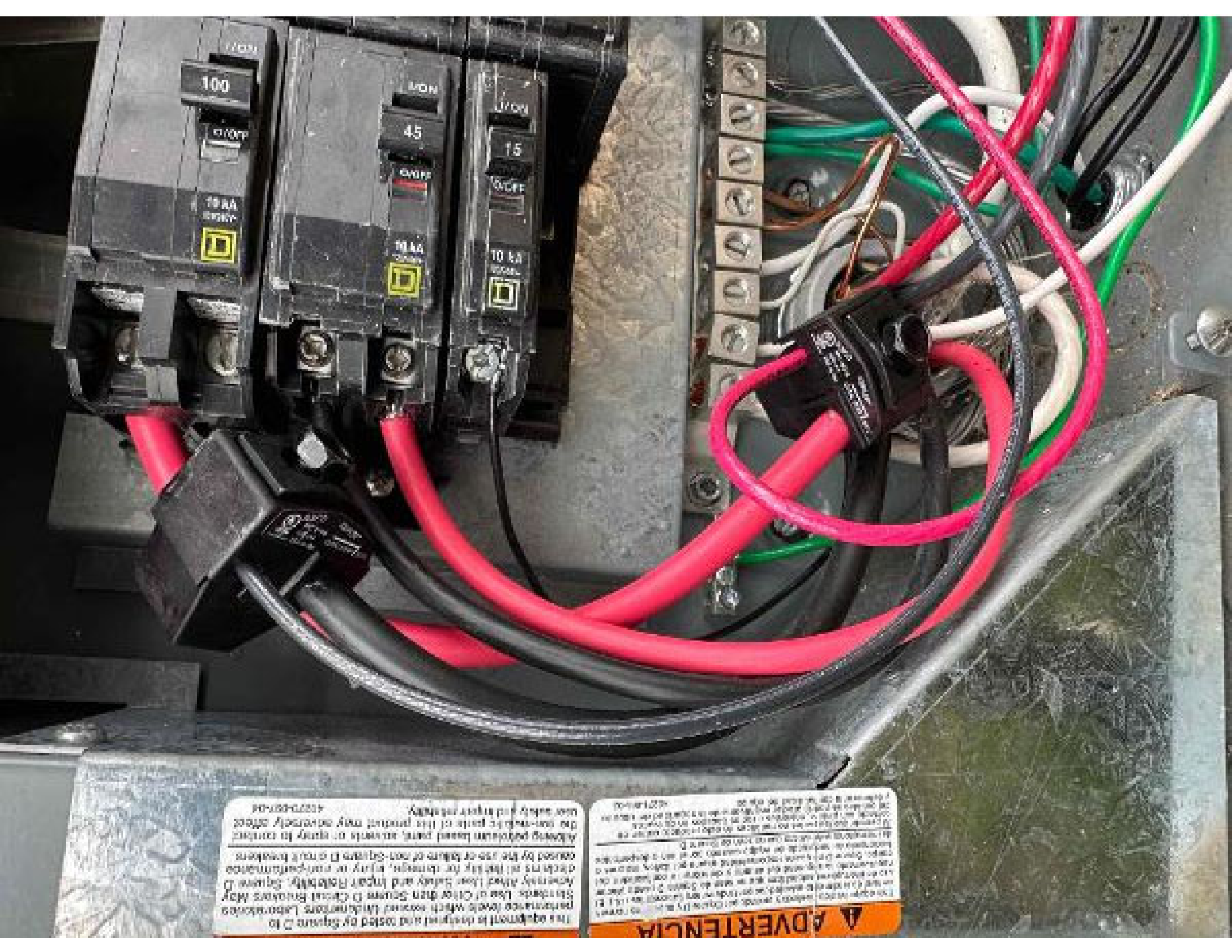


A - ADVERTENCIA
A - WARNING

VORTEX
VOLTAGE
CURRENT
TEMPERATURE

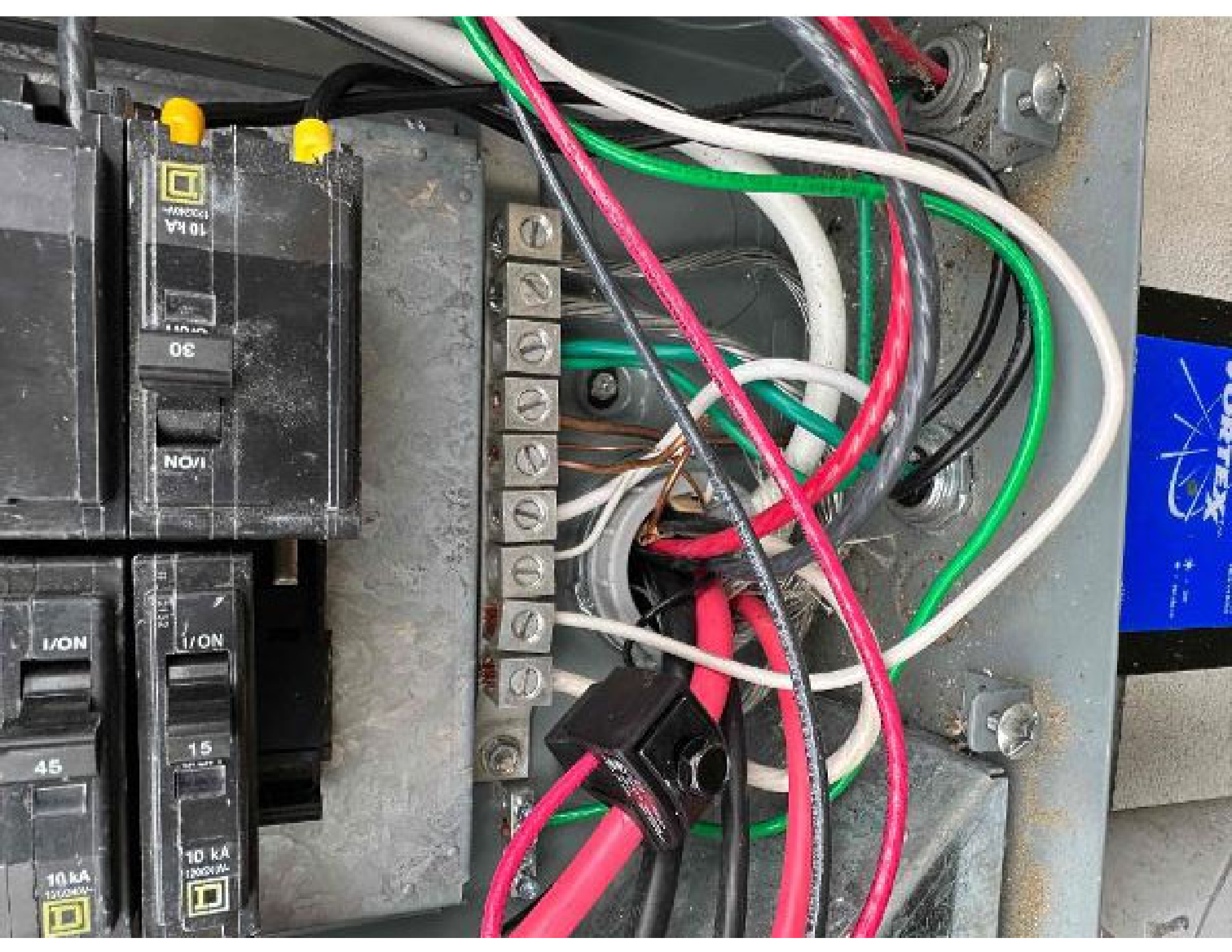


ADVERTENCIA
No toque los conductores eléctricos sin estar debidamente capacitado para tal fin. El uso incorrecto de este equipo puede resultar en lesiones graves o la muerte. Consulte a un electricista profesional para cualquier problema de instalación o mantenimiento.
Este equipo está diseñado para ser utilizado en un ambiente seco y bien ventilado. No se debe utilizar en presencia de líquidos, gases inflamables o explosivos.
No se debe modificar o reparar este equipo sin la autorización del fabricante. Cualquier modificación puede anular la garantía y causar lesiones.
Este equipo cumple con los requisitos de la Norma IEEE 800-104. Para más información consulte el manual de instrucciones.
Modelo: 100-45-15
Número de serie: 123456789



ADVERTENCIA

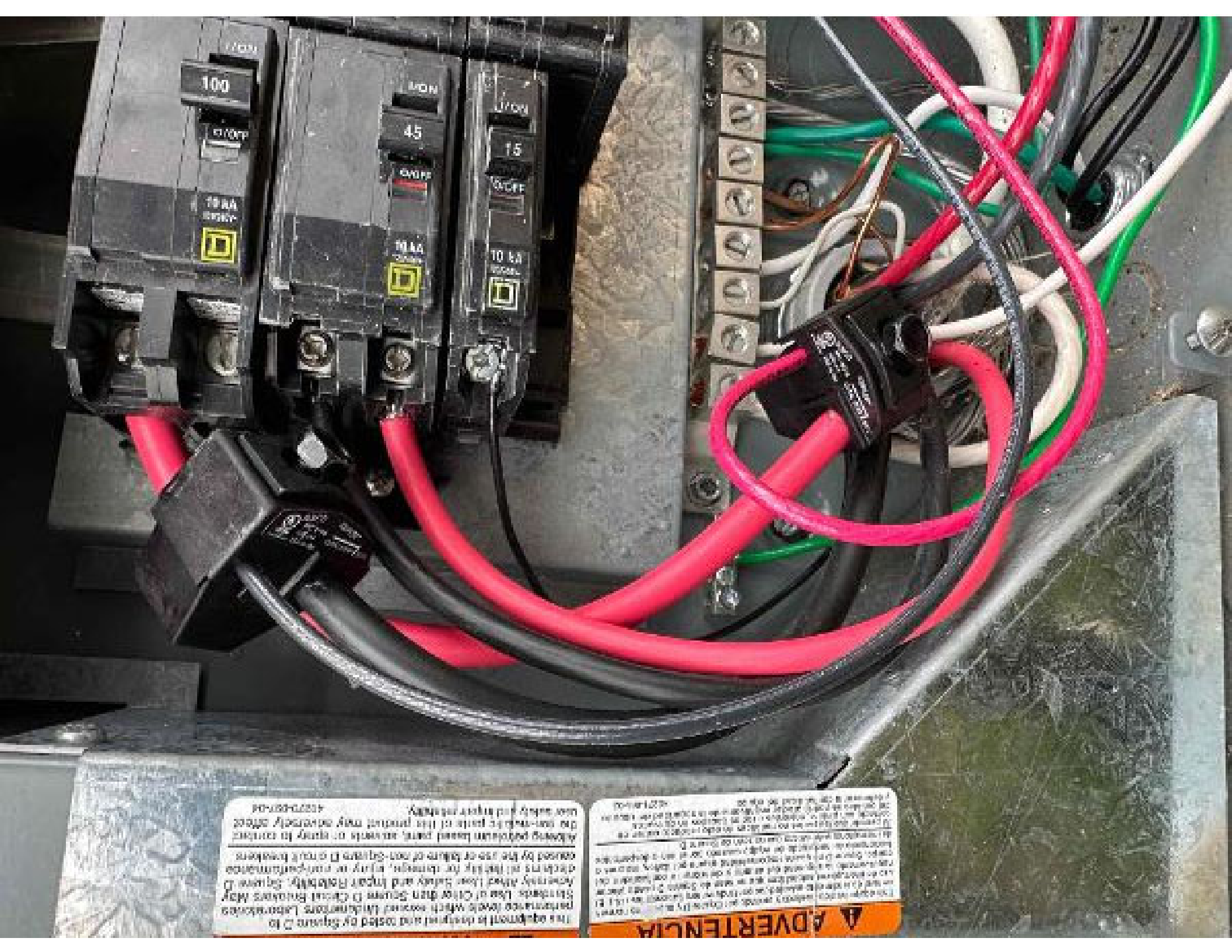
The equipment is designed and tested by Square D to performance levels which exceed industry standards. Use of other than Square D Circuit Breakers may adversely affect load safety and input reliability. Square D deems it best to test for damage, injury or performance caused by the use of other than Square D circuit breakers. Always perform load tests, always in safety to protect the user and the parts of the product may directly affect the user safety and input reliability. 40070-001-001





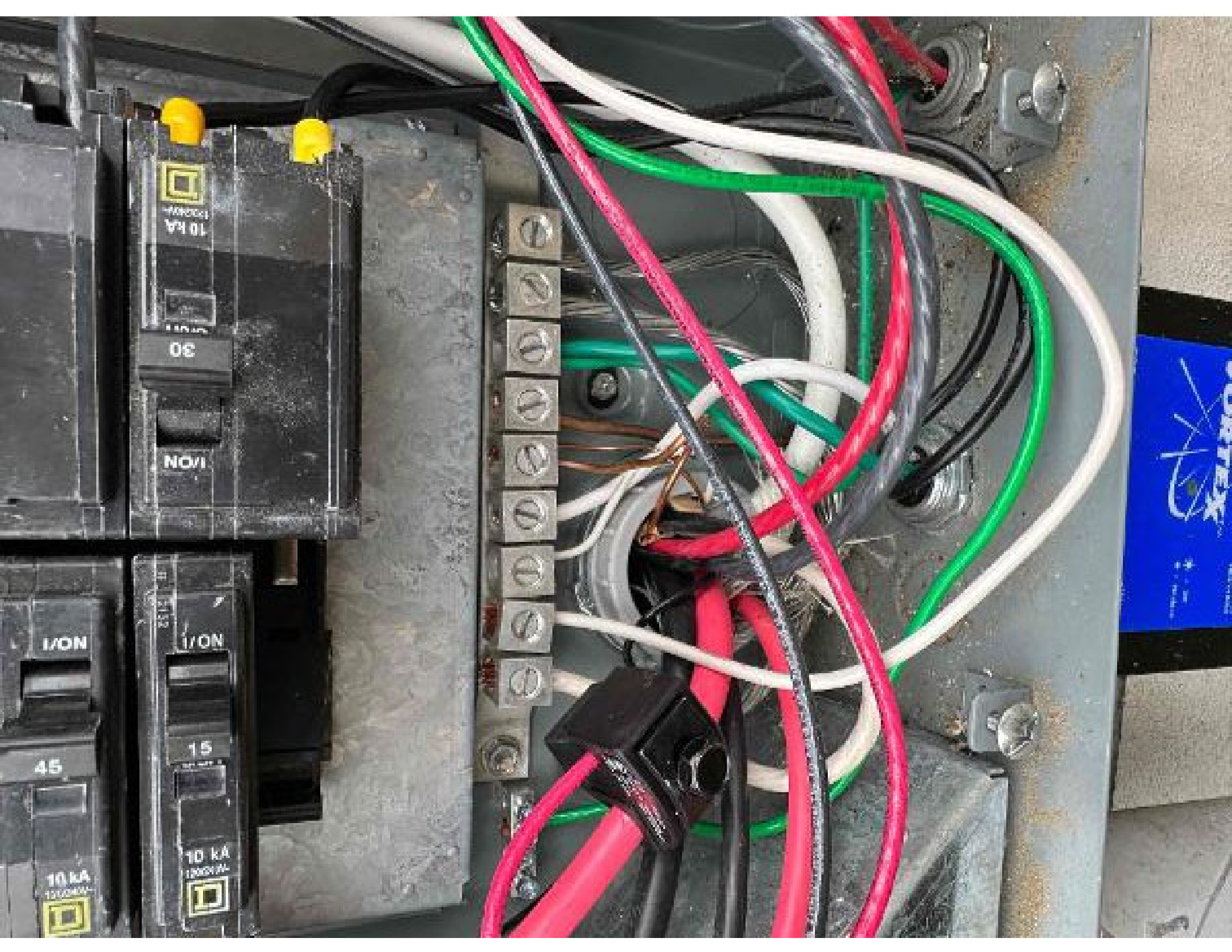
A - ADVERTENCIA
A - WARNING

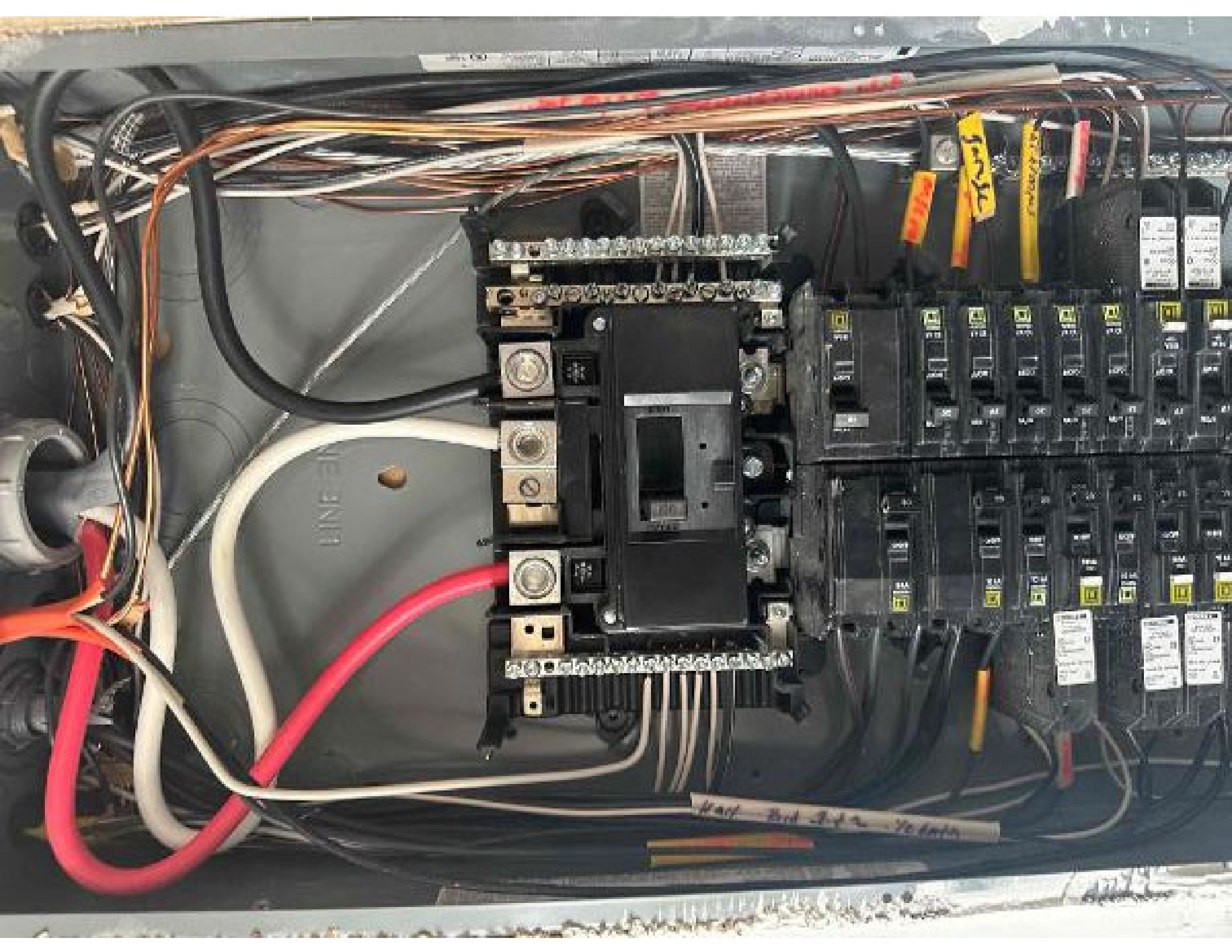
VORTEX
VOLTAGE
CURRENT
TEMPERATURE
FAN SPEED

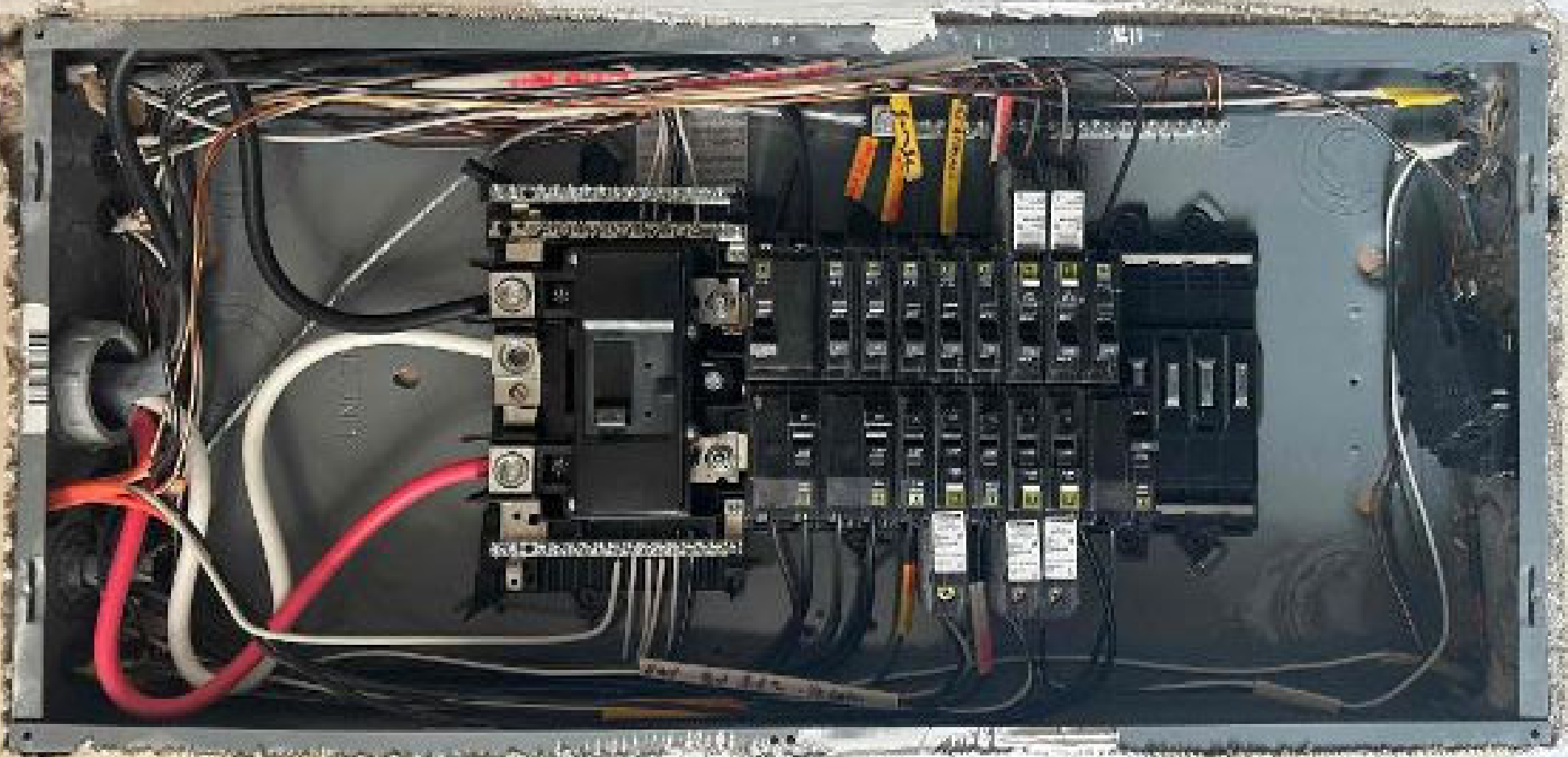


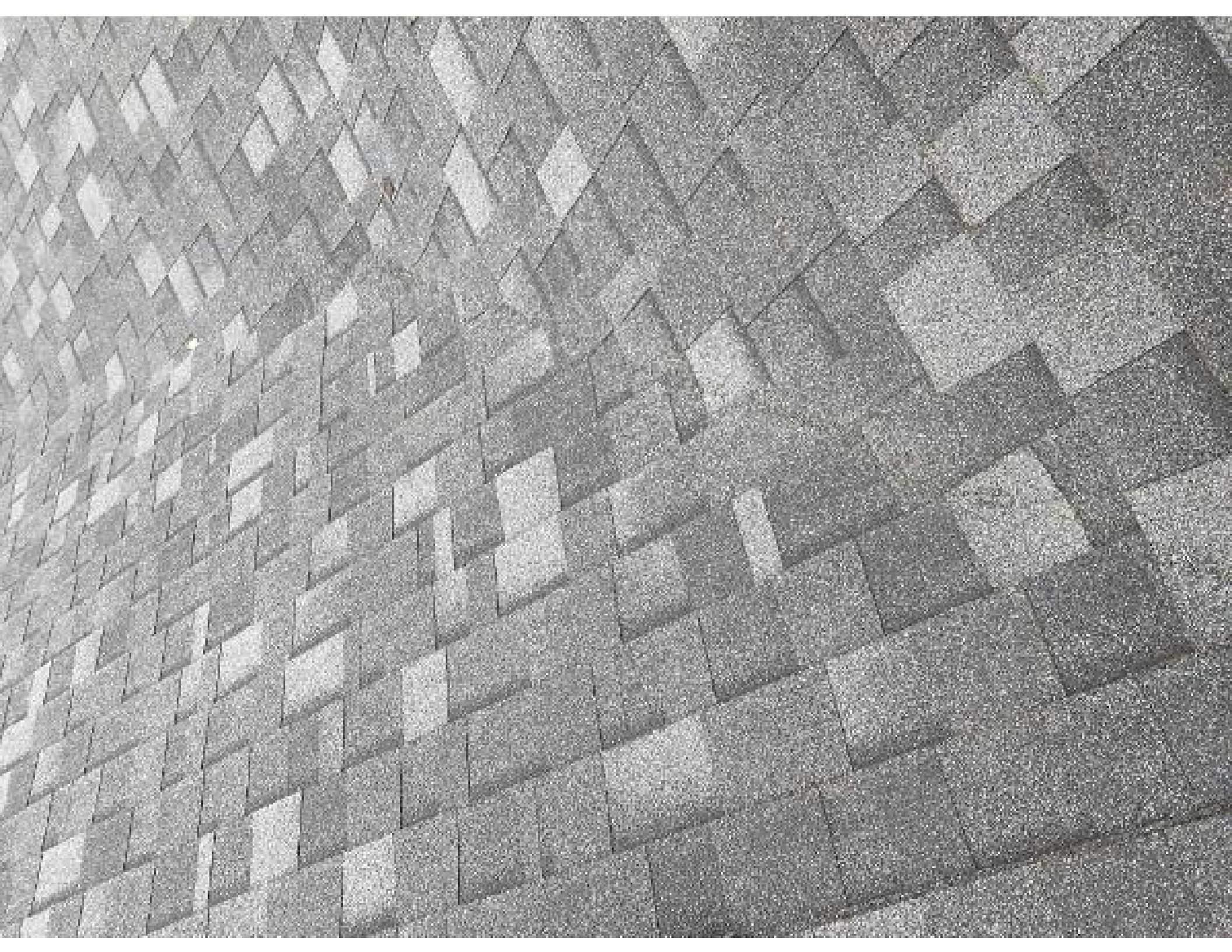
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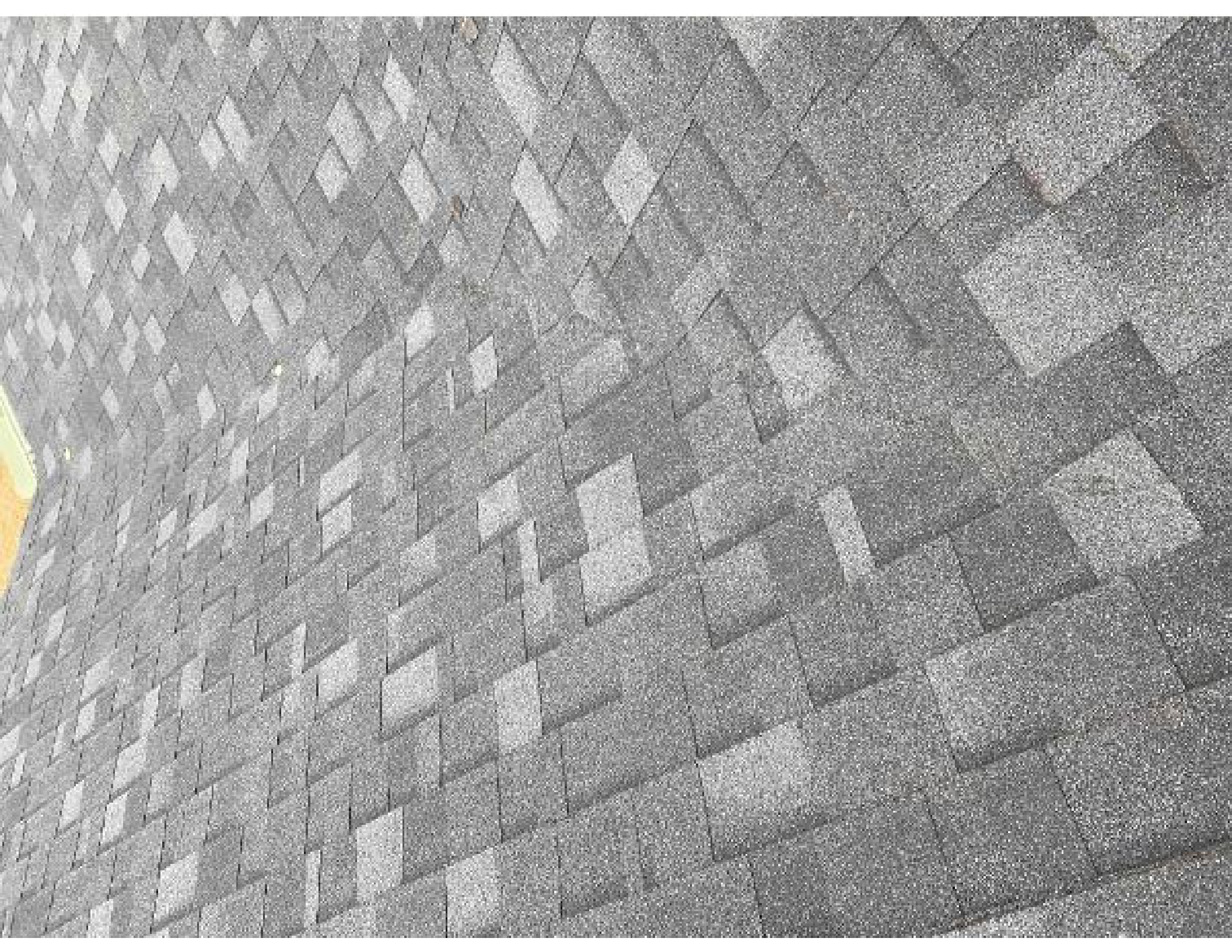
The equipment is designed and tested by Square D to performance levels which exceed industry standards. Use of other than Square D Circuit Breakers may adversely affect load safety and input reliability. Square D does not warrant the life for damage, injury or performance caused by the use of other than Square D circuit breakers. Always perform load tests, always in strict accordance with the load test instructions on the product nameplate. For more information, contact your Square D distributor or contact Square D at 4877-0070.

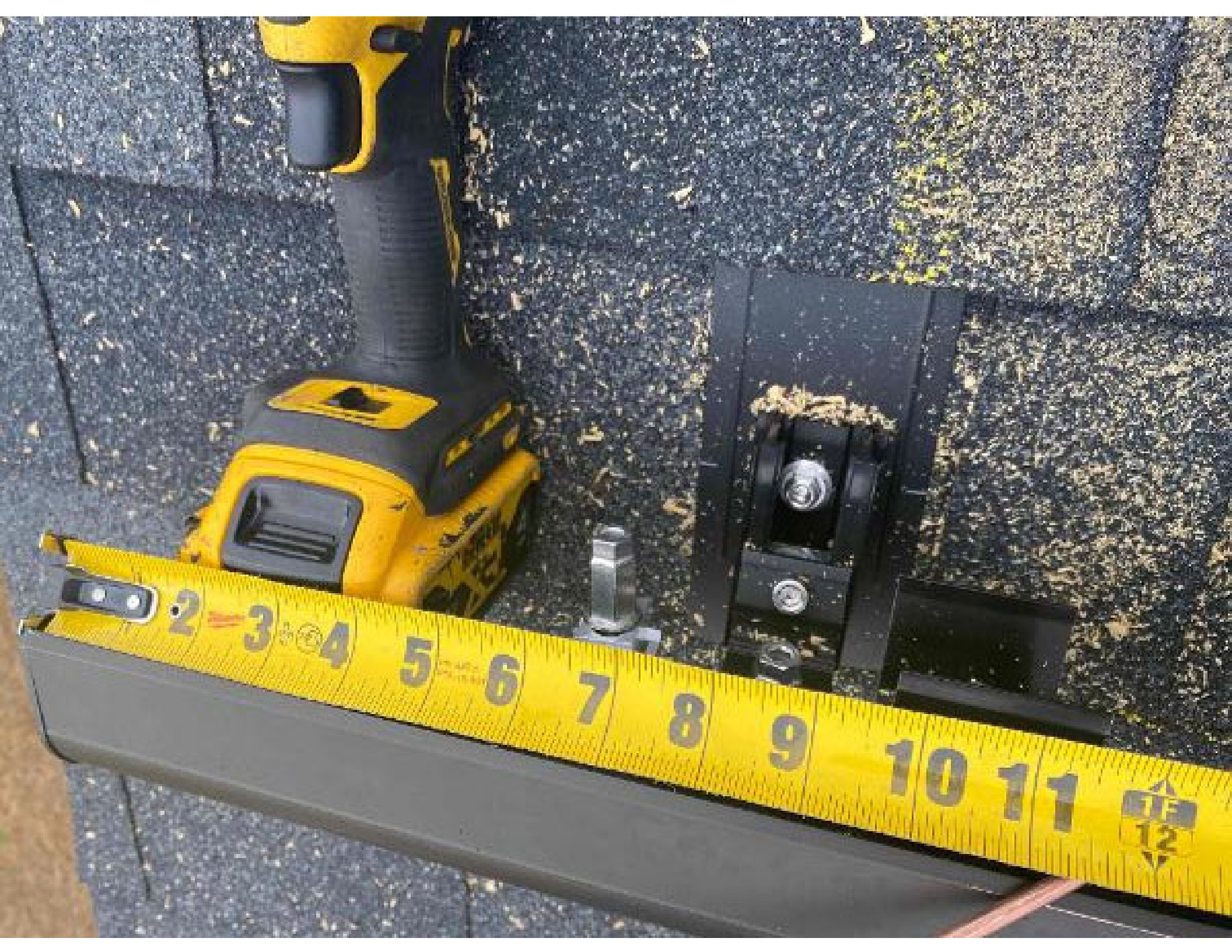




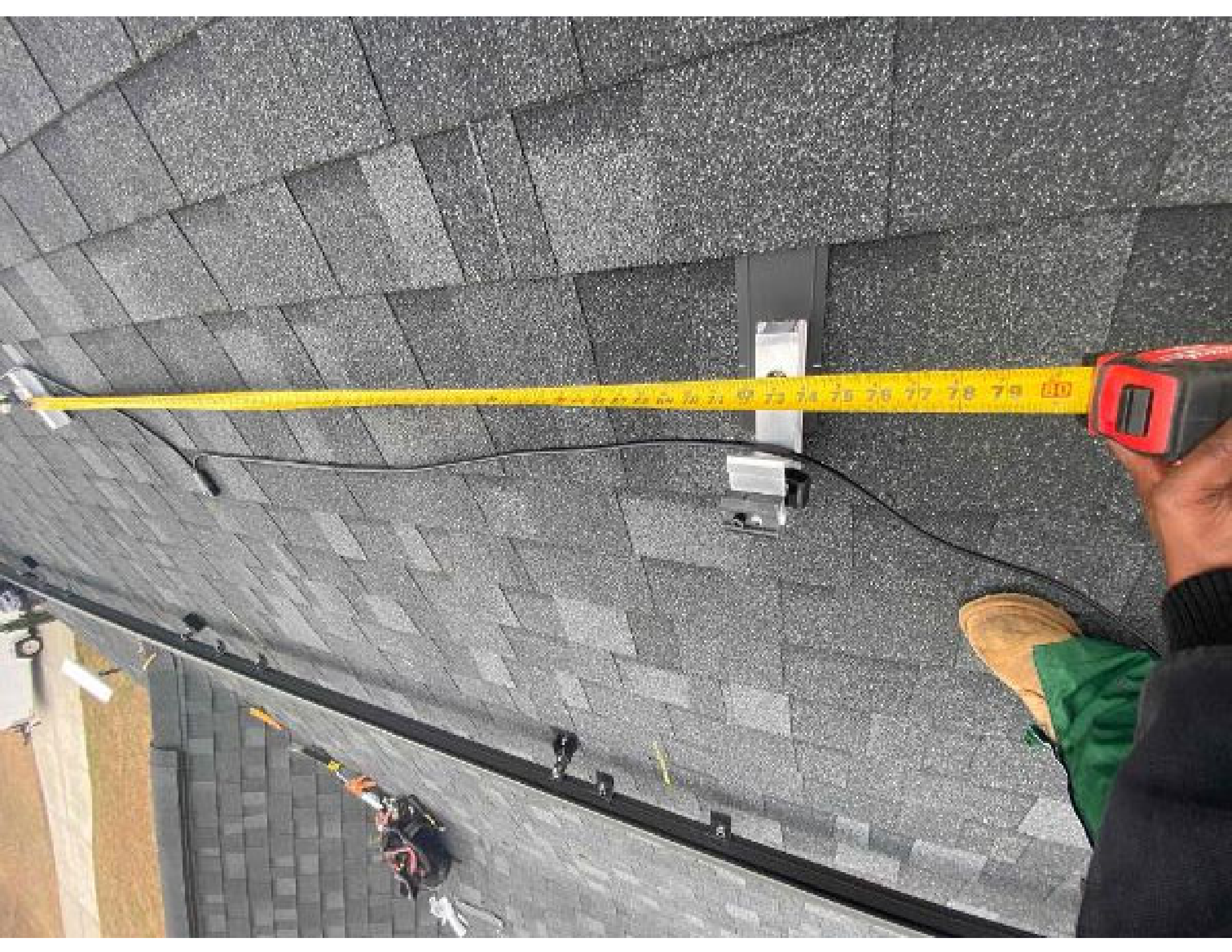








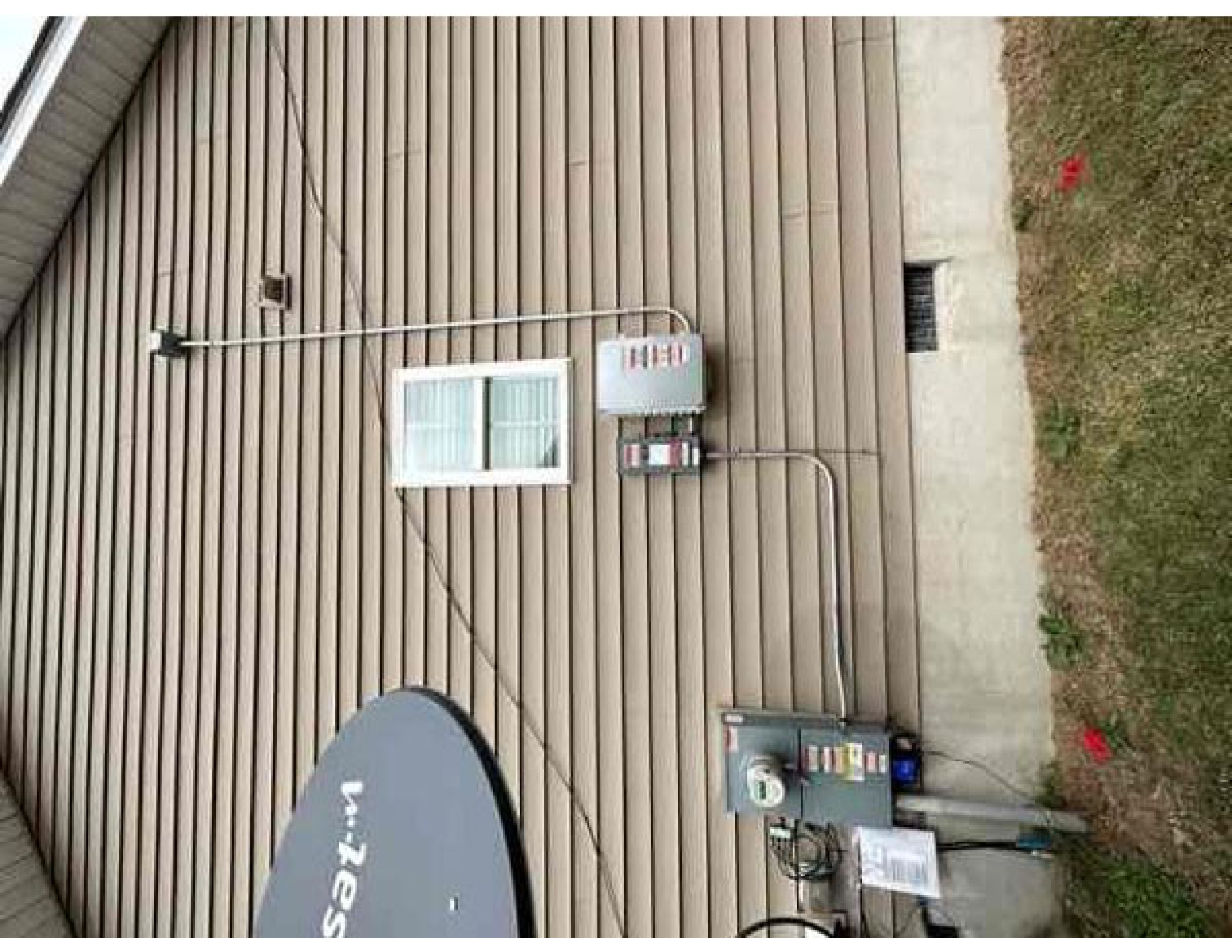












Viasat

110

MS







FRM GRIP

AST F107 RESISTANCE
PERFORMANCE LEVEL
ANSI/ISO 24.101-2015

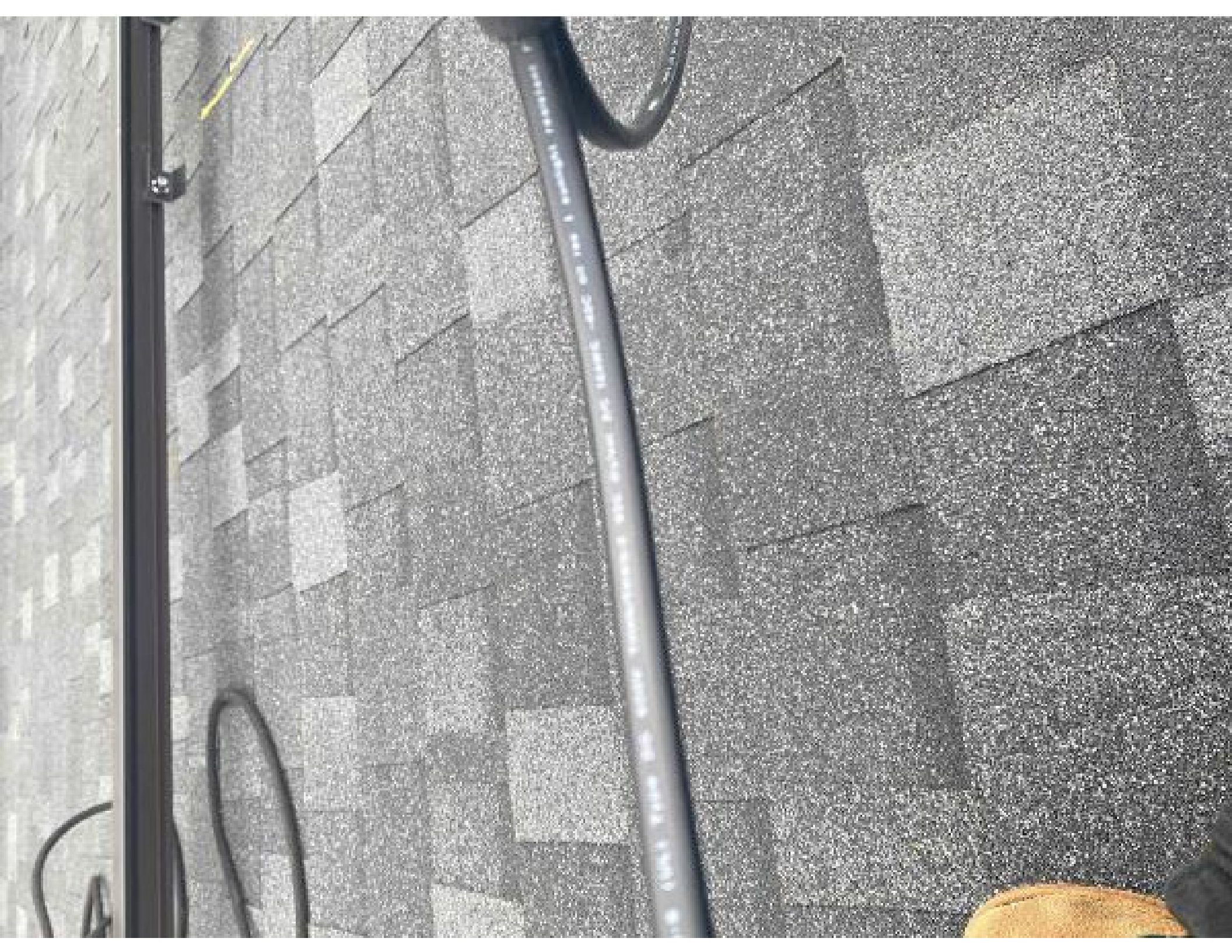
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250VAC 20A
+79°C 2307

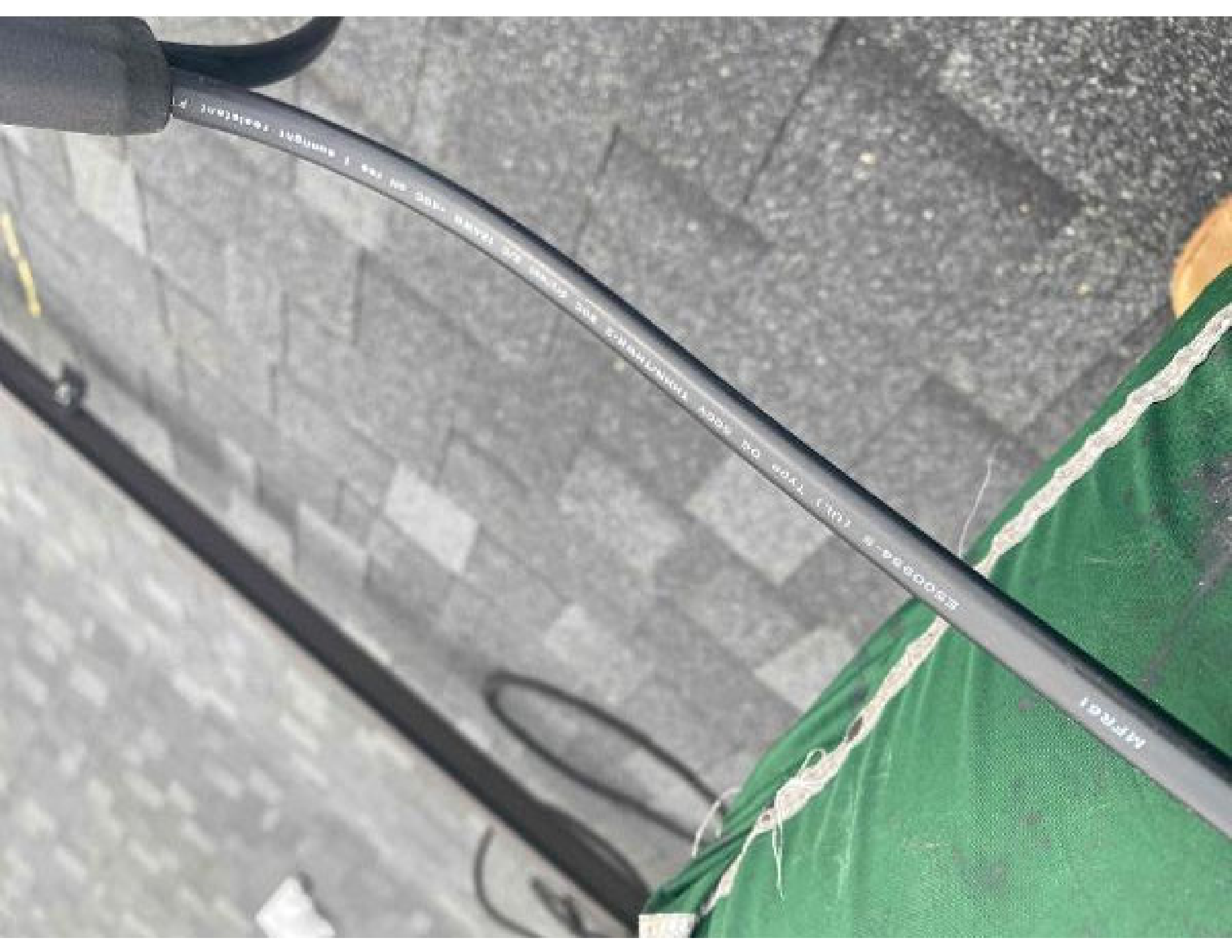
SAFETY US-CA
E186080

CERTIFIED



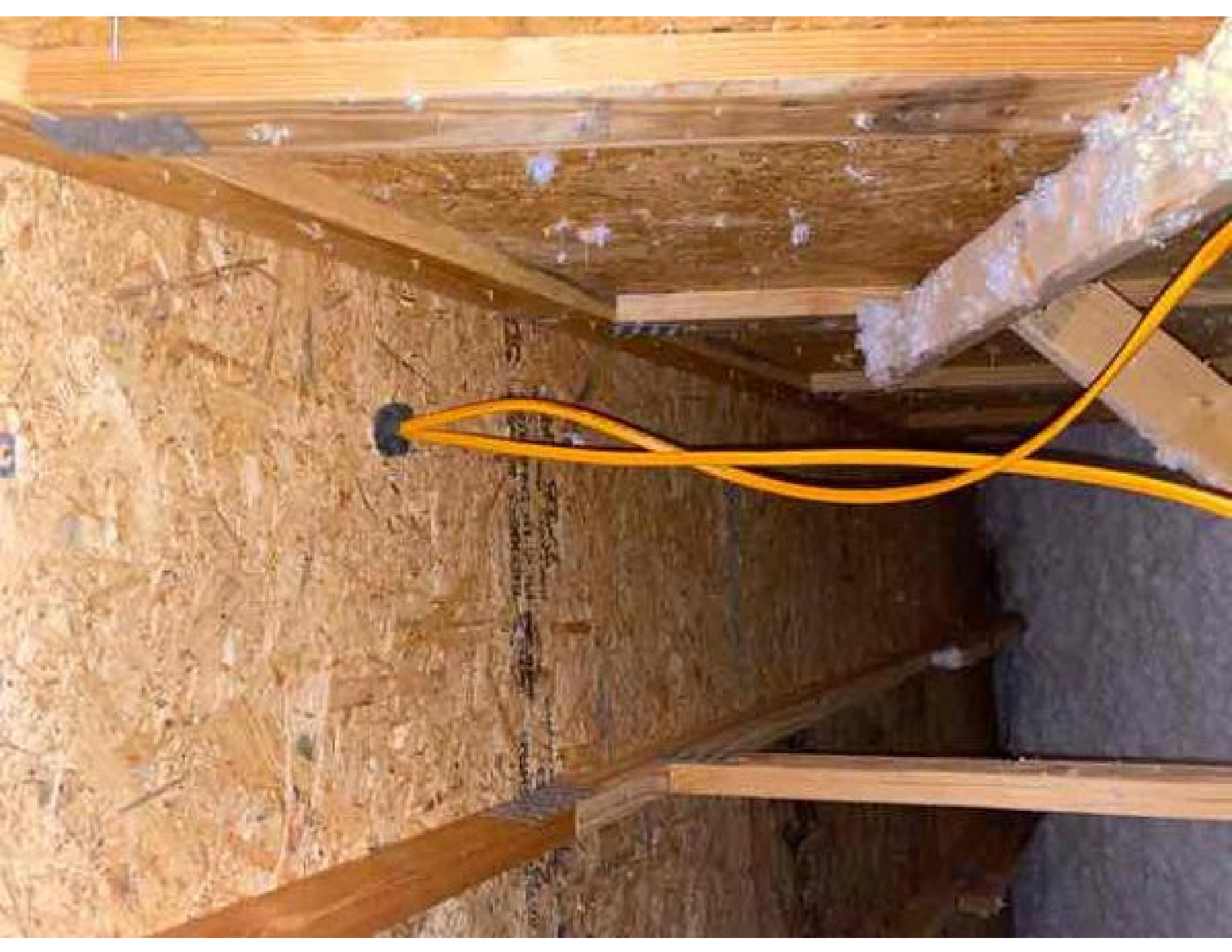
084











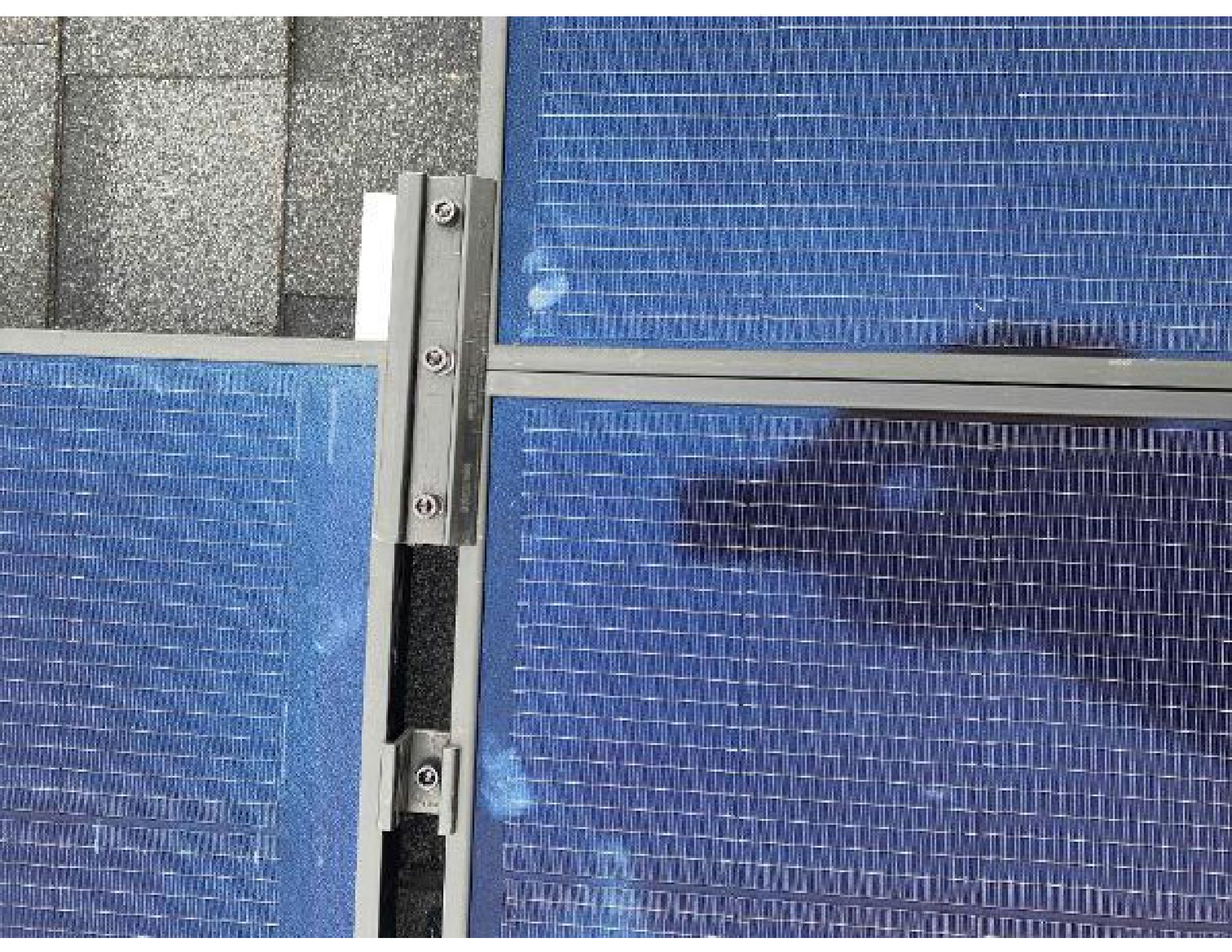


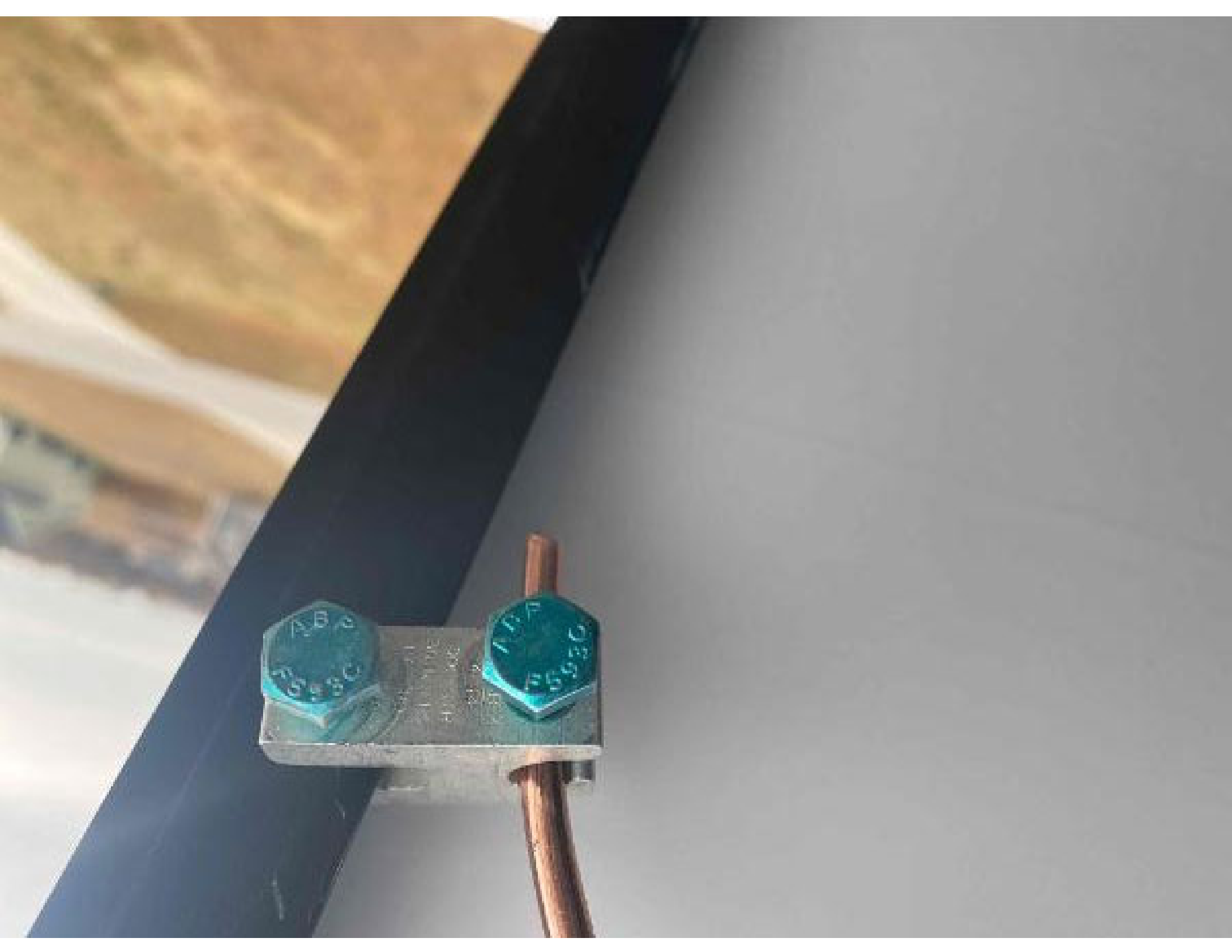


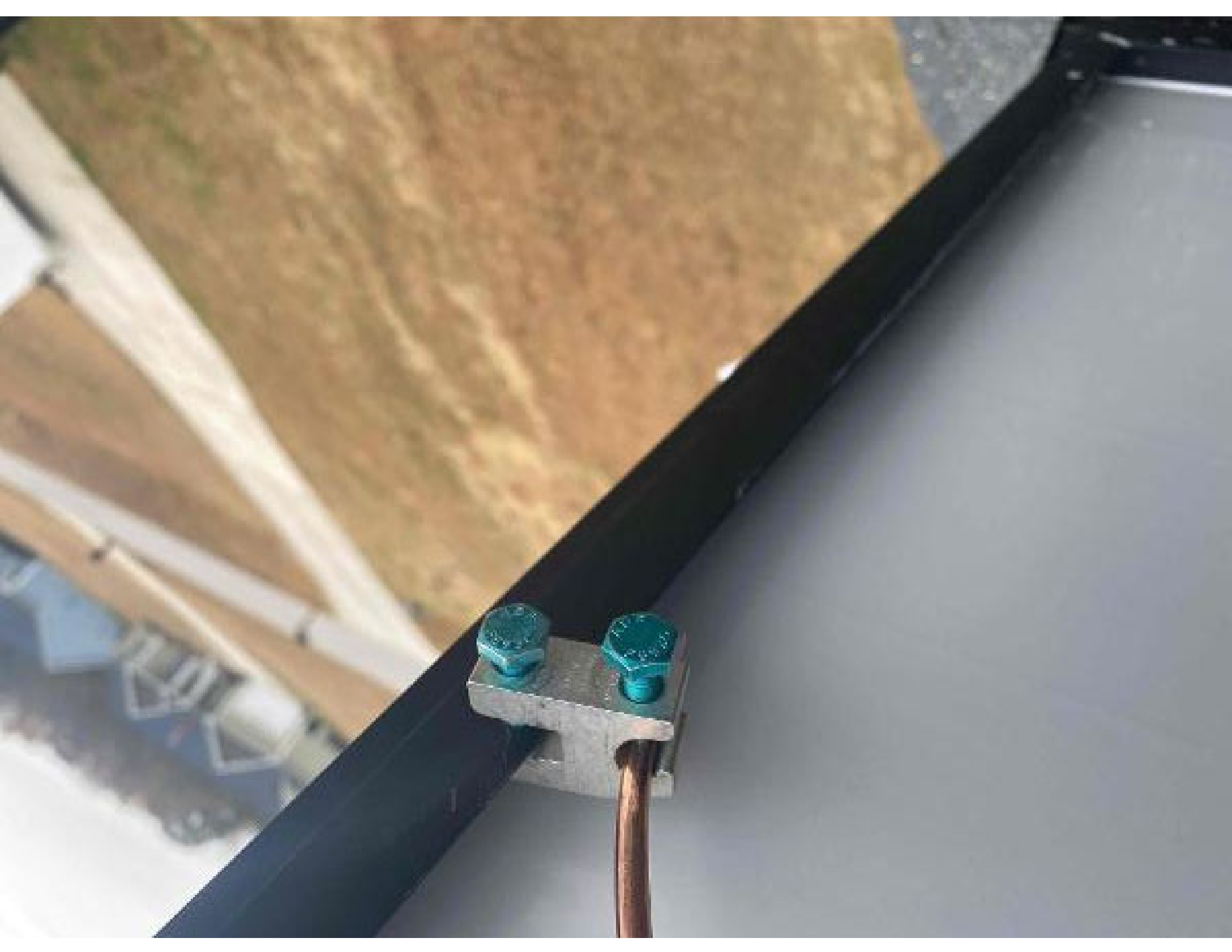












100% 2.5A
100% 2.5A
100% 2.5A

180

WARNING: NEVER TOUCH THE METAL PARTS OF THE CHARGER OR THE CABLES. ALWAYS USE THE CHARGER ON A SURFACE THAT IS NOT FLAMMABLE AND IS PROTECTED FROM MOISTURE. ALWAYS USE THE CHARGER ON A SURFACE THAT IS NOT FLAMMABLE AND IS PROTECTED FROM MOISTURE. ALWAYS USE THE CHARGER ON A SURFACE THAT IS NOT FLAMMABLE AND IS PROTECTED FROM MOISTURE.

ATTENTION: NEVER TOUCH THE METAL PARTS OF THE CHARGER OR THE CABLES. ALWAYS USE THE CHARGER ON A SURFACE THAT IS NOT FLAMMABLE AND IS PROTECTED FROM MOISTURE. ALWAYS USE THE CHARGER ON A SURFACE THAT IS NOT FLAMMABLE AND IS PROTECTED FROM MOISTURE.



ENPHASE
107X



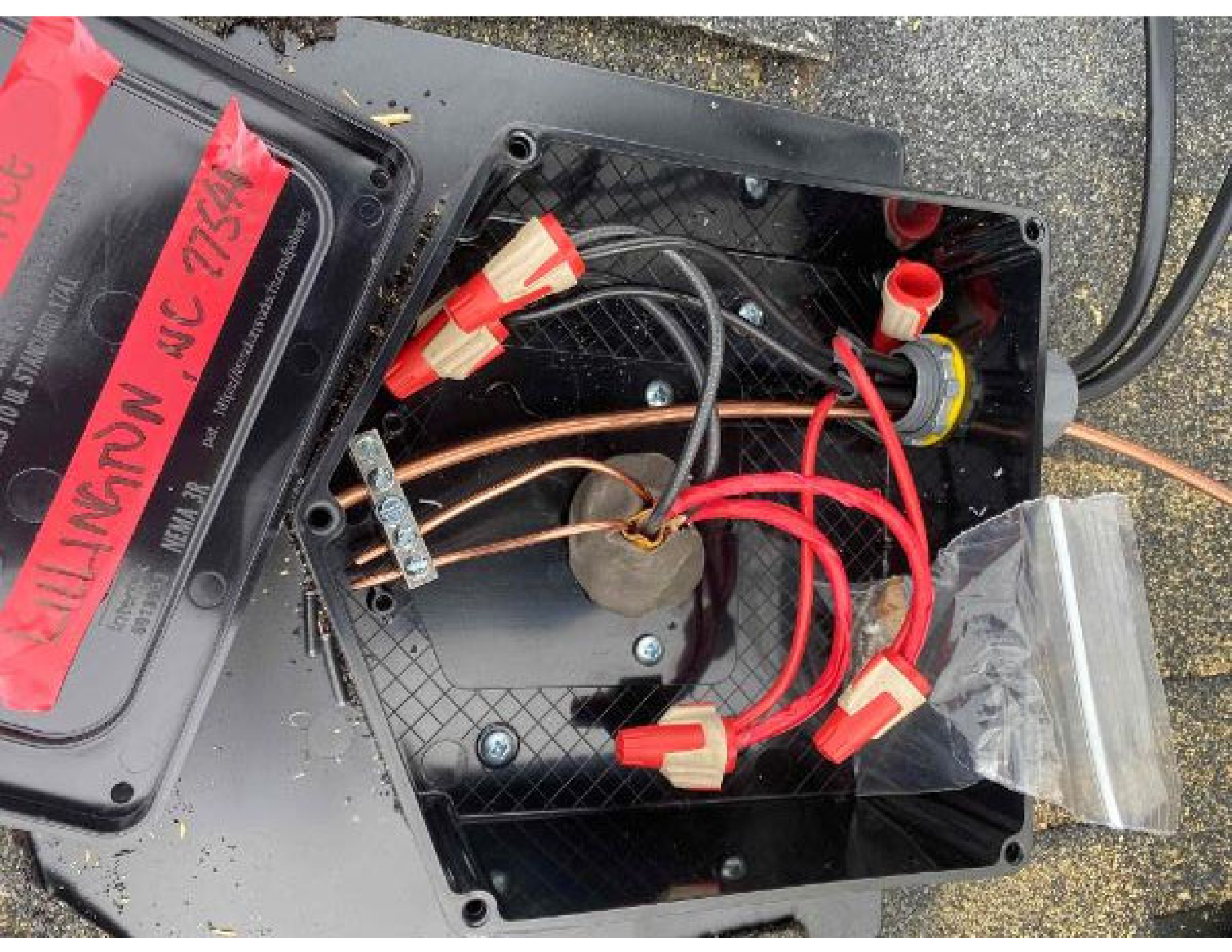
ENPHASE
107X
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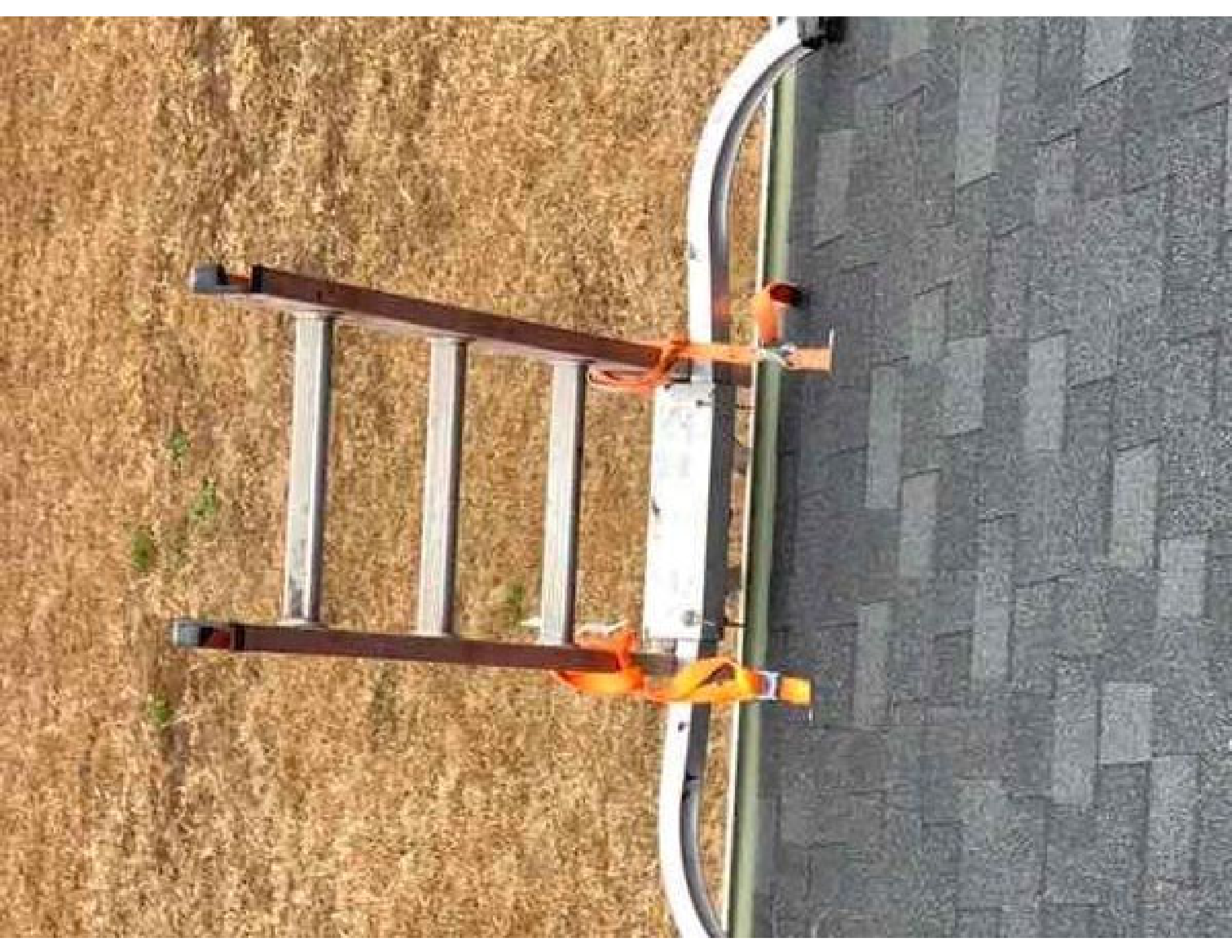


DONALD ALEXANDER
100 SCARBEN PLACE
WILMINGTON, NC 27394











QuickClick

MOORE, AGITE & HANSEN STABILIZER

WARNING: This device is not to be used on ladders that are not designed for use with this device. Use only on ladders that are designed for use with this device. See the instructions for more information.



REC

REC Series Power Supply
REC-1500A Series A
Serial Number: 888-1055370002

Power Output (Peak)
Max. Output Voltage (V)
Max. Output Current (A)
Max. Output Power (W)
Max. Output Voltage (V)
Max. Output Current (A)
Max. Output Power (W)
Max. Output Voltage (V)
Max. Output Current (A)
Max. Output Power (W)
Max. Output Voltage (V)
Max. Output Current (A)
Max. Output Power (W)



ETL
Listed
UL Recognized Component
UL File # E185597



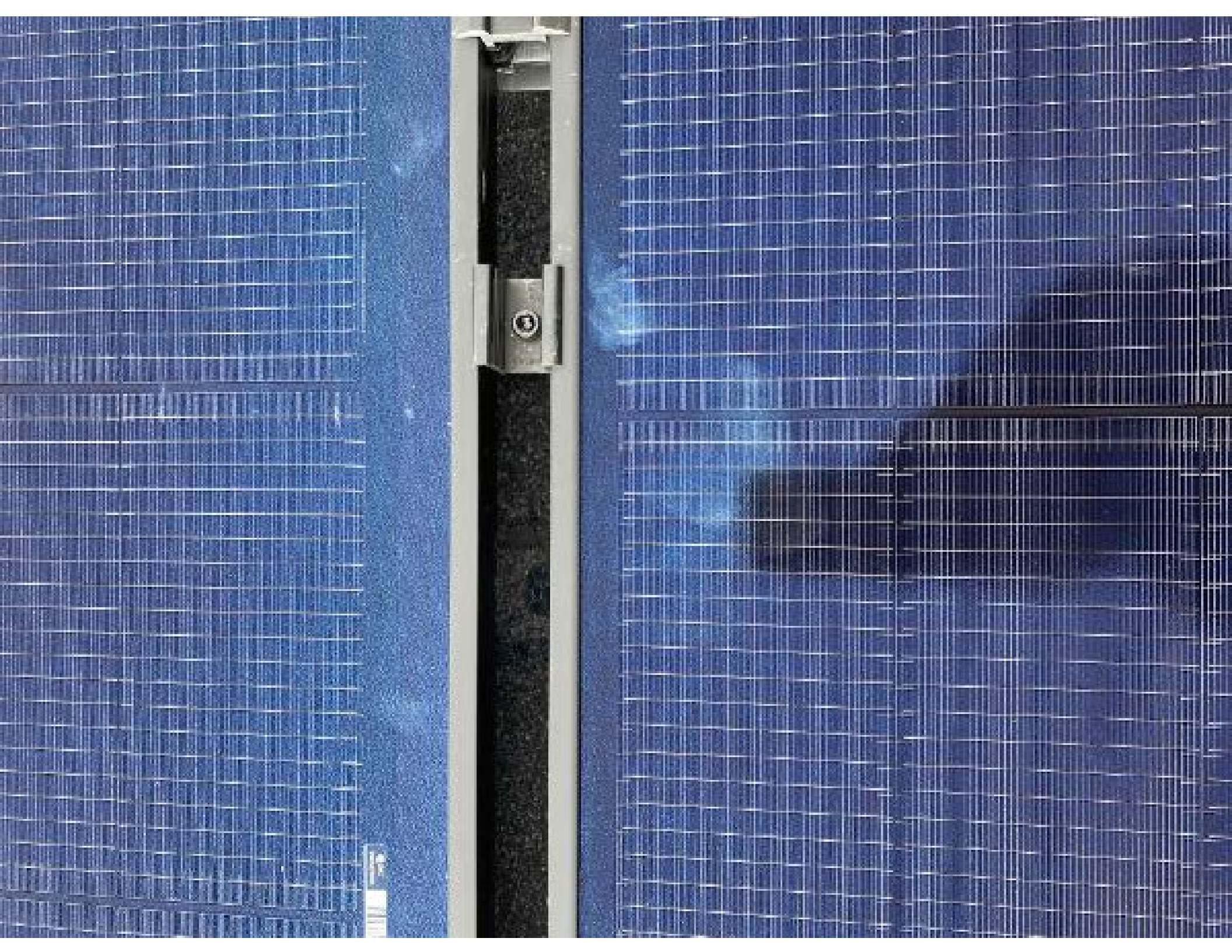
CE
UKA
UKA

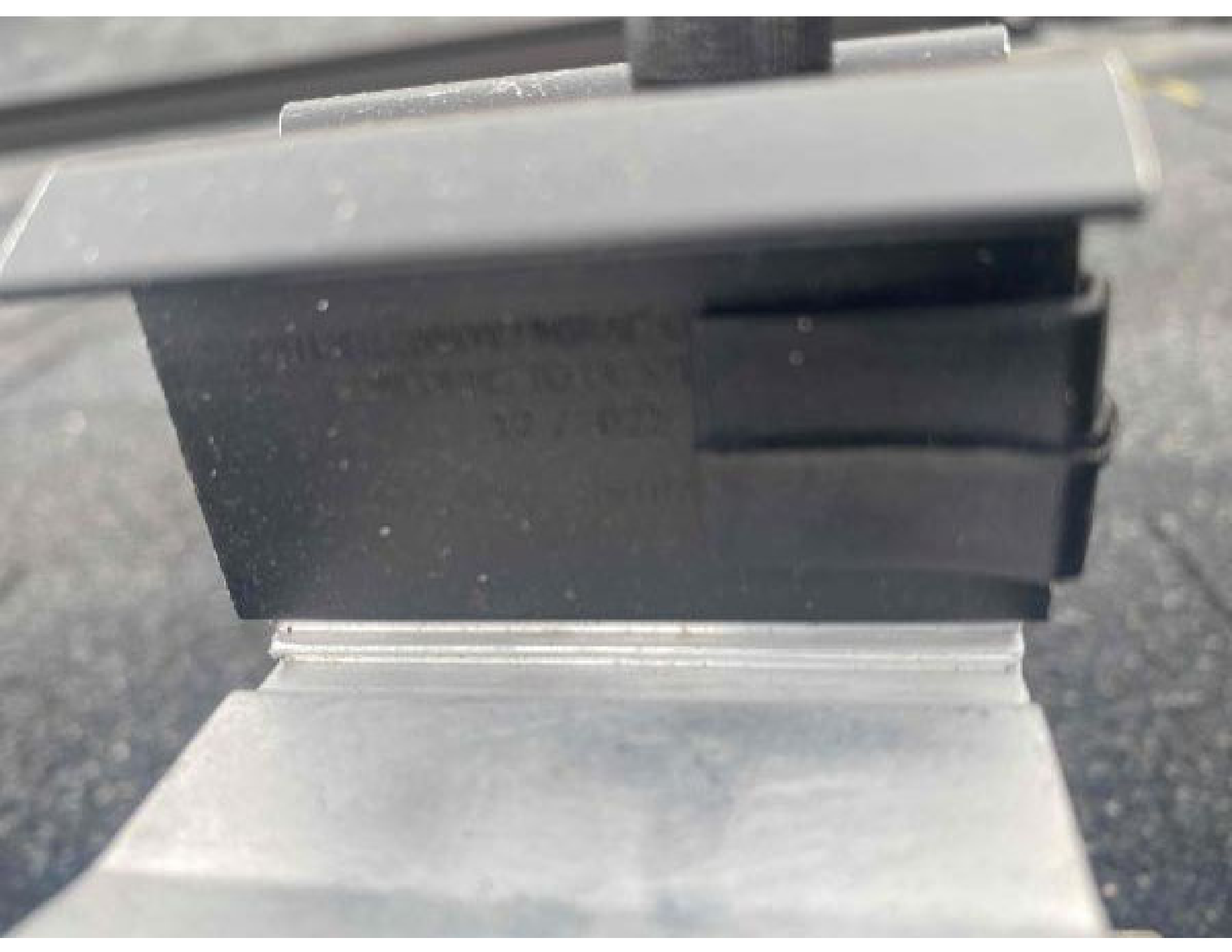
Manufactured: 03-28-2003



Warning electrical hazard. This product contains hazardous materials. Do not open the case.
CAUTION: DO NOT DISCONNECT UNDER LOAD
Disconnect the power supply from the load before disconnecting the power supply.
ATTENTION: NE PAS DÉCONNECTER SOUS TENSION.
Déconnectez l'alimentation de la charge avant de déconnecter l'alimentation de la source.
For more information, please contact REC SOLAR SYSTEMS, LTD.
REC Solar Systems, Ltd. 10000 10th Street, Suite 100, Irvine, CA 92618
Tel: (949) 450-8800
Fax: (949) 450-8801









PATENTED BY WILSON
CONFORMS TO UL 181
12/1207

