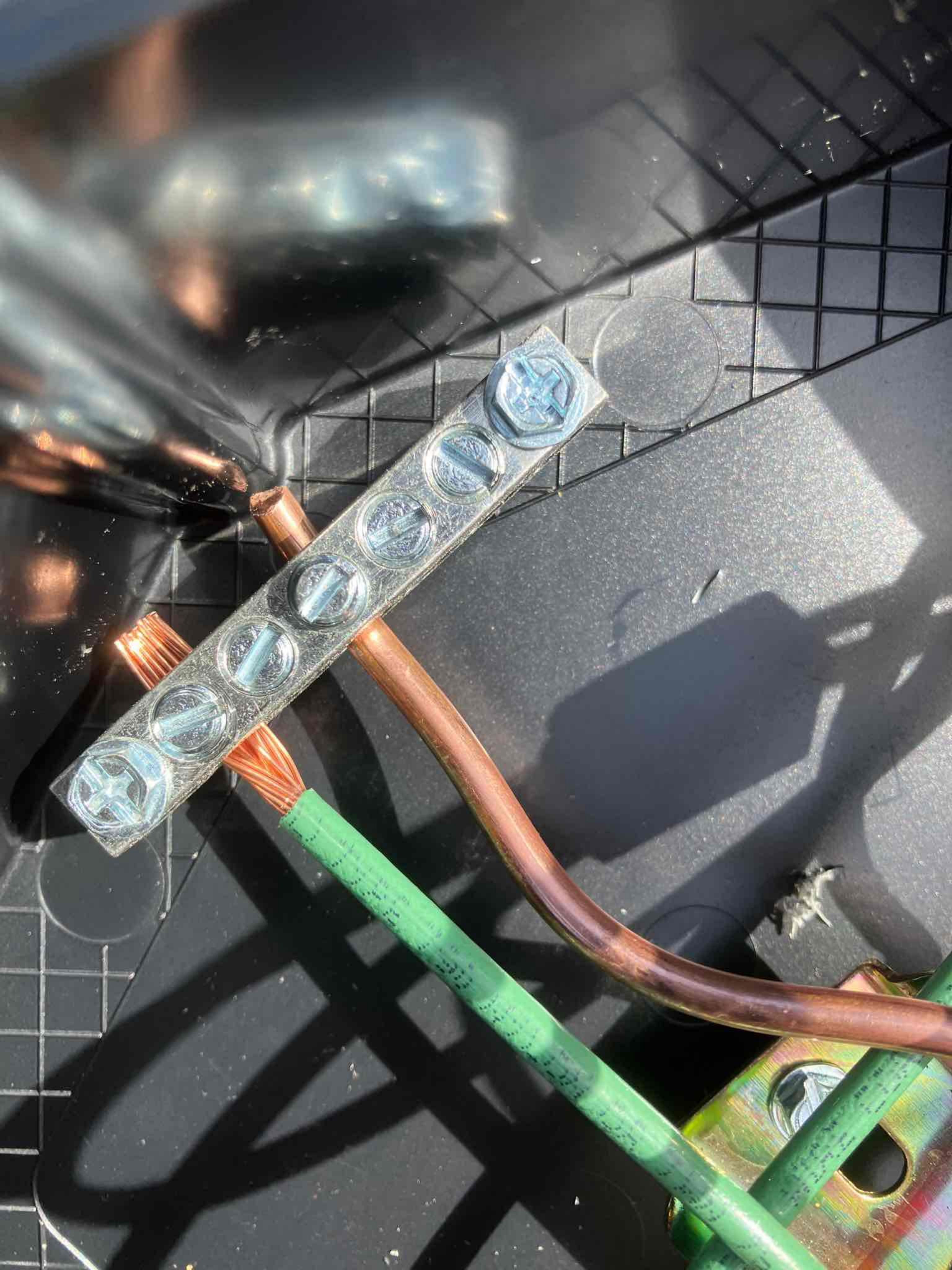
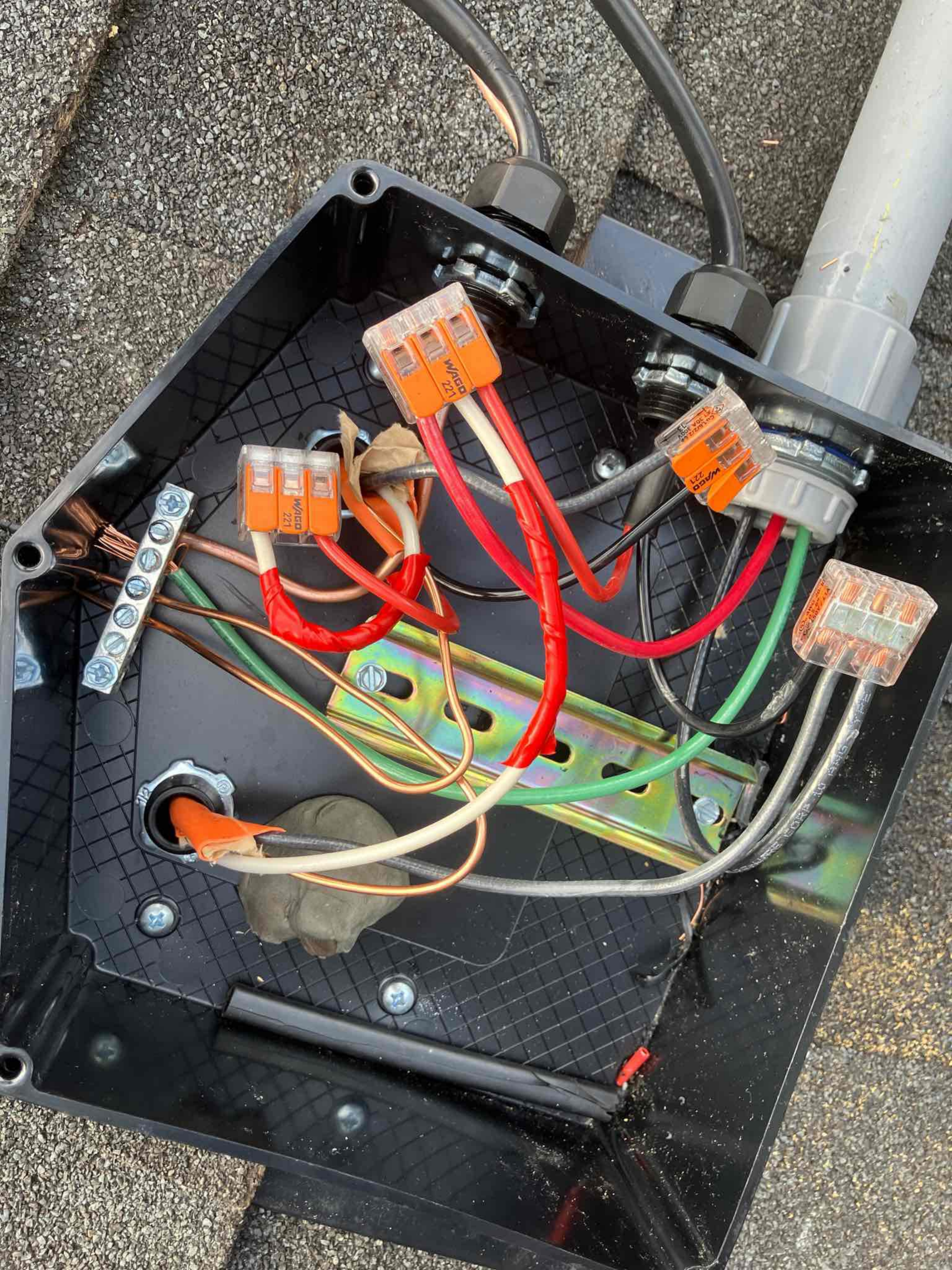


AWG 20-26
0.5-5mm
150V / 41A





UL AWG 20-10
0.5-6P
450V / 41A

















THE

308

600V THHN/THWN-2 90C 35MIL/101





840-00185-11
100VDC 20A
75°C 2148

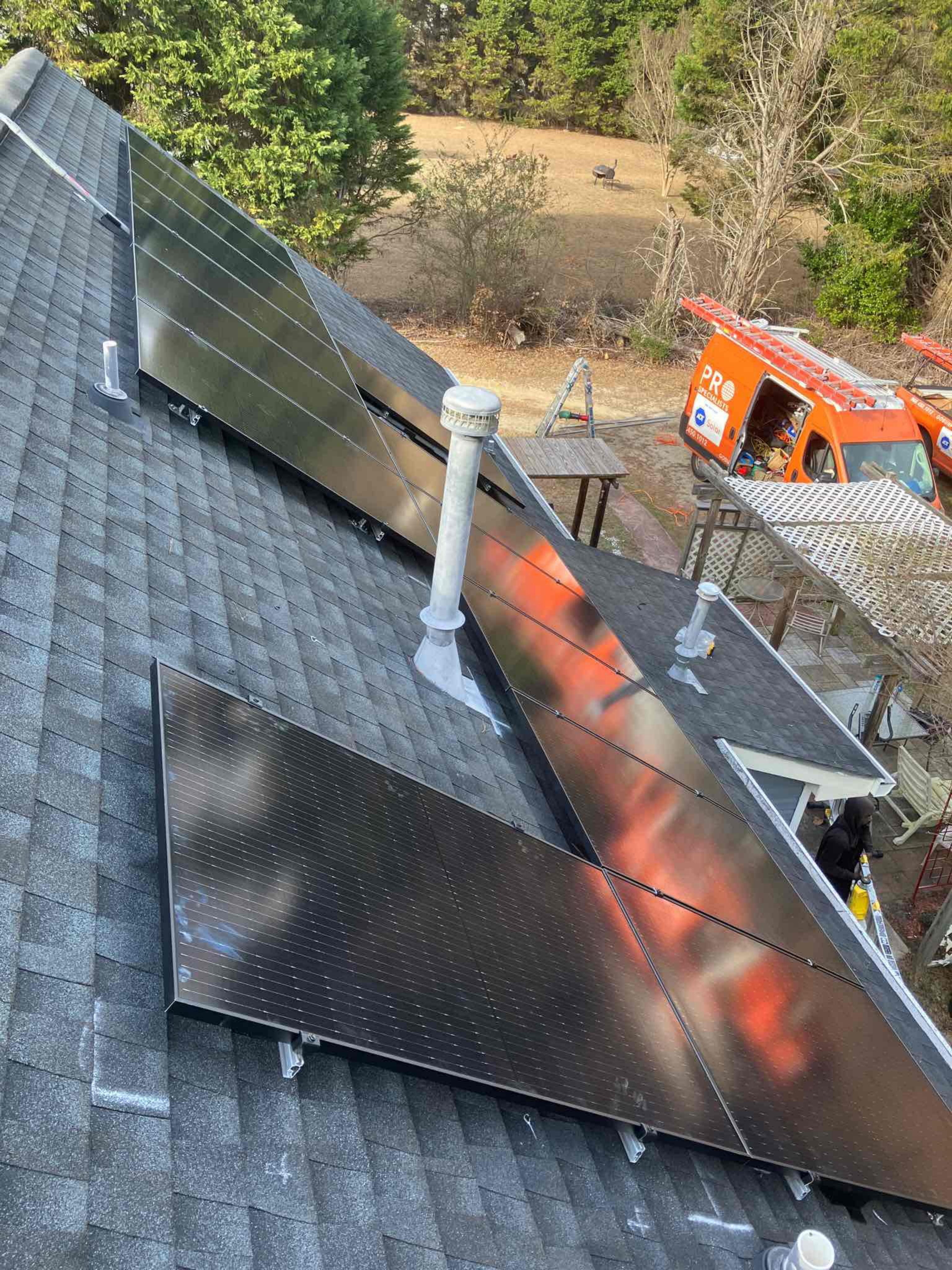
107

108 A

SUNTRAC

















482221035687 885 - 01325
482221036533 885 - 01325
482221036600 885 - 01325
482221036486 885 - 01325
482221036423 885 - 01325
482221036110 885 - 01325

482221036504 885 - 01325
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482221036512 885 - 01325
482221030122 885 - 01325
482221030122 885 - 01325
482221029312 885 - 01325

482221036340 885 - 01325

 **ENPHASE®**

IQ8+

Grid Support Utility Interactive Inverter
Multimode Inverter

Off-grid Power Factor: -1 to 0 to +1
Grid-tied Power Factor: +/- 0.85
DC input range: 25-58 V
Max. input short-circuit current: 15 A
Max. input continuous current: 10.6 A
AC output voltage: 240 V
AC output current: 1.21 A
AC output frequency: 60 Hz
AC output power (max. continuous): 290 VA
Operating temperature: -40 °C to +60 °C
Ingress protection: NEMA Type 6
Photovoltaic Rapid Shutdown Equipment
NEC 690.12 and C22.1-2015 Rule 64-218
UL1741 SA Compliant | Assembled in India



This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference. (2) This device must accept any interference received, including interference that may cause undesired operation.



CAUTION: RISK OF SHOCK. WARRANTY VOID IF COVER REMOVED. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

WARNING: ELECTRIC SHOCK HAZARD. DC CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM ARE UNGROUNDED AND MAY BE ENERGIZED. AC AND DC VOLTAGE SOURCES TERMINATE INSIDE THIS EQUIPMENT. DISCONNECT BOTH BEFORE SERVICING. PHOTOVOLTAIC ARRAY SUPPLIES A DC VOLTAGE TO THIS EQUIPMENT WHEN EXPOSED TO LIGHT. HOT SURFACES: TO REDUCE THE RISK OF BURNS - DO NOT TOUCH.

ATTENTION: RISQUE D'ELECTROCUTION. LES CONDUCTEURS CC DE CE SYSTEME PHOTOVOLTAIQUE NE SONT PAS RELIES A LA TERRE ET PEUVENT ETRE SOUS TENSION. DES SOURCES DE TENSION CA ET CC SONT CONNECTEES A CET APPAREIL. ISOLER LES DEUX SOURCES AVANT TOUTE INTERVENTION. LES CABLES COURANT CONTINU SONT SOUS TENSION LORSQUE LE CHAMP PHOTOVOLTAIQUE EST EXPOSE A LA LUMIERE. RISQUE DE BRULURE, NE PAS TOUCHER.





482221035687 885-01325



IQ8PLUS-72-2-US
885-01325-12-6989

482221035687





1011 N Causeway Blvd, Suite 20 • Monrovia, Louisiana 70471 • Phone: (504) 835-6224 • Fax: (504) 835-6223

Instructions:

- All (post-install) survey questions must be answered in a timely fashion.
- Questions that are incomplete will delay the processing of the permit application.

Survey Information:

Project Name: AMYN KHALIQ 91765
 Address: 1670 Old US Highway SALETTA NC 27346

General:

- Is the framing spacing correct and matches engineering drawings? Y N
- Are the number of panels the correct amount? Y N
- Have you verified that all fasteners comply with the manufacturer's specifications and match the original design requirements? Y N
- Is there any visual damage that was caused to the installation? Y N
- Have proper steps been taken to waterproof all roofing penetrations? Y N
- Is the electrical penetration(s) in the roof waterproofed? Y N
- Do the solar panel arrays match the engineering drawings? Y N

Electrical:

- Please verify that the following match the engineering drawings:
- Brand and model number PV components Y N
 - Inverters, connection points, wiring and grounding Y N

Please provide photos for the following:

- All arrays of the PV modules
- The connections to existing (if possible) electrical panel
- All labeling
- Every new connection point i.e., ground bus, bus off box, main breaker panel, etc.

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

Permit: Completing this form and submitting photos

Printed: Owens M. Q. Principal
 Date: 1-16-23

Please submit form, photos to the following:
 Principal-Engineering@pl-acc.com
 Principal Engineering 1011 N. Causeway Blvd., Suite 20 Monrovia, LA 70471
 504-624-5001 Office 305-960-0650 Cell

PRINCIPAL Infrastructure®

Architecture • Engineering • Construction

www.pl-acc.com • 800-PL-ACC

Installation Checklist

ARRIVAL

- Verify arrival date
- Confirm address
- Confirm access
- Verify site conditions

SHADE ANALYSIS

- Shade analysis completed
- Site is suitable for installation
- Confirm ground conditions (avoid any wires)
- Check for obstructions
- Verify ground is clear of debris

- Confirm correct installation
- Verify correct installation
- Confirm correct installation
- Verify correct installation
- Confirm correct installation
- Verify correct installation

<input checked="" type="checkbox"/> Use with Computer
<input checked="" type="checkbox"/> Call Tech Support for Installation
<input checked="" type="checkbox"/> Yes
<input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Do you have a warranty or subscription?

[Signature] 5/16/23
Installer Name

[Signature] 1/16/22
Installer Name

APPROVED BY

SPACE USE ONLY











1

1F 12

1F 1" 13

1F 2" 14

1F 3" 15

1F 4" 16

1F 5" 17

1F 6" 18

1F 7" 19

WILSON

WILSON
1950



We aim for a greener tomorrow with completely clean energy solutions
Q. PEAK DUO BLK-G10+ 365

PERFORMANCE AT STANDARD TEST CONDITIONS*

Nominal Power* (+5 W/-0 W)	P_{MPP} [W]	365
Short circuit current*	I_{SC} [A]	11.07
Open circuit voltage*	V_{OC} [V]	41.21
Current at maximum power	I_{MPP} [A]	10.56
Voltage at maximum power	V_{MPP} [V]	34.58
Maximum system voltage	V_{SYS} [V]	1000 (IEC) 1000 (UL)
Weight	M [kg/lbs]	19.9/43.9

* Measurement tolerances: $P_{MPP} \pm 3\%$; I_{SC} ; $V_{OC} \pm 5\%$ at STC: 1000 W/m², 25 ± 2 °C, AM 1.5 according to IEC 60904-3. Data given are rated (nominal) values.
IEC 61215:2016; IEC 61730:2016.



Hanwha Q CELLS USA Inc.,
300 Nexus Drive, Dalton GA 30721, USA

U.S. Patent No. 9,893,215
(solar cells)
EMAIL service@q-cells.com
WEB www.q-cells.com

Qcells

Assembled in USA



DANGER!
Risk of electric shock!
DO NOT connect or disconnect
plug contacts while system is
under load current. Refer to the
Installation and Operation Manual
before installing, operating or
servicing this unit.

DANGER!
Risque de choc électrique!
NE PAS connecter ou décon-
necter les connecteurs lorsque
le système est en charge.
Consultez le manuel d'installation
et d'utilisation avant installation,
utilisation et entretien du produit.
Fire Rating: Class C / Type 2
Fuse Rating: 20A







C1.1 - JA Aryn Abdulk Khaliq [19] QCELL365/IQB+ SHINGLE [1] ENPHASE
BATTERY/ [PROJ-97765]

Mon Jan 16 2023

Calendar

Raleigh > Install

Who

EL: Pedro PV:

Where

1670 Old US Highway 421, Lillington, NC 27546

Description

SF: https://sunpro.lightning.force.com/lightning/r/Projects__c/a0i4T0000001ptKtQAI/view

IC: Jacqueline

Phone#: (910) 584-6208

ETA Given: 8-10am

Install Expectations: Call 30mins prior

Solar: UNI-004085M Flashloc

Battery Type: Enphase Encharge 10kWh

Permit#: ERES2210-0065

Hj: Harnett, County of (NC)

Utility#: Duke Energy (Progress Energy Carolinas Inc)

Electrical:

Interconnection: Supply side tap in the interior main panel. Use #6 wire to feed the line side of the interior 60A solar fused disconnect with 60A fuses. From the load side of the disconnect, use #6 wire to feed the IQ System Controller 2. Land a 40A breaker for the NFT on the NFT breaker spot. From the backed up feed through lugs in the System controller 2, down size the feed through lugs use #6 wire and feed a 125A backup Sub-Panel with a 50A backfed main breaker (For Back-Up). Land a 30A solar breaker in the system controller 2. PV solar lugs feeds the 30A non-fusible disconnect, use #10 wire. The solar disconnect feeds the IQ4C (Combiner box), use #10 wire. Power Fed from 15A breaker landed in the generator spot in the System Controller 2. Use #10 wire. Remove the 15A breaker feeding the envoy from the combiner 4C. Land a 20A breaker in the battery breaker slot and use the battery lugs to feed a 30A non fused battery disconnect, from

PHOTOVOLTAIC ROOF MOUNT SYSTEM

19 MODULES-ROOF MOUNTED - 6.935 KW DC STC, 6.428 KW DC PTC, 5.510 KW AC

1670 OLD US HWY 421, LILLINGTON, NC 27546

PROJECT DATA

1670 OLD US HWY 421,
LILLINGTON, NC 27546

AMYN ABDUK KHALIQ
ADT SOLAR LLC
PHONE: (985) 238-0864

GENERAL NOTES

- ALL COMPONENTS ARE UL LISTED AND CEC CERTIFIED, WHERE WARRANTED.
- THE SOLAR PV SYSTEM WILL BE INSTALLED IN ACCORDANCE WITH ARTICLE 690 OF THE NEC 2017.
- THE UTILITY INTERCONNECTION APPLICATION MUST BE APPROVED AND PV SYSTEM INSPECTED PRIOR TO PARALLEL OPERATION.
- ALL CONDUCTORS OF A CIRCUIT, INCLUDING THE EGC, MUST BE INSTALLED IN THE SAME RACEWAY, OR CABLE, OR OTHERWISE RUN WITH THE PV ARRAY CIRCUIT CONDUCTORS WHEN THEY LEAVE THE VICINITY OF THE PV ARRAY.
- WHERE METALLIC CONDUIT CONTAINING DC CONDUCTORS IS USED INSIDE THE BUILDING, IT SHALL BE IDENTIFIED AS "CAUTION: SOLAR CIRCUIT EVERY 10FT."
- HEIGHT OF THE AC DISCONNECT SHALL NOT EXCEED 6'-7" PER NEC CODE 240.24.
- A GROUNDING ELECTRODE SYSTEM IN ACCORDANCE WITH CEC 690.47 AND 250.50 THROUGH 60 AND 250-166 SHALL BE PROVIDED. PER NEC GROUNDING ELECTRODE SYSTEM OF EXISTING BUILDING MAY BE USED AND BONDED TO THE SERVICE ENTRANCE. IF EXISTING SYSTEM IS INACCESSIBLE OR INADEQUATE A SUPPLEMENTAL GROUNDING ELECTRODE WILL BE USED AT THE INVERTER LOCATION CONSISTING OF A UL LISTED 8 FT. GROUND ROD WITH ACORN CLAMP. GROUNDING ELECTRODE CONDUCTORS SHALL BE NO LESS THAN #8 AWG AND NO LARGER THAN #8 AWG COPPER AND BONDED TO THE EXISTING GROUNDING ELECTRODE TO PROVIDE FOR A COMPLETE SYSTEM.
- PHOTOVOLTAIC MODULES ARE TO BE CONSIDERED NON-COMBUSTIBLE.
- PHOTOVOLTAIC INSTALLATION WILL NOT OBSTRUCT ANY PLUMBING, MECHANICAL, OR BUILDING ROOF VENTS.
- ALL WIRING MUST BE PROPERLY SUPPORTED BY DEVICES OR MECHANICAL MEANS DESIGNED AND LISTED FOR SUCH USE. WIRING MUST BE PERMANENTLY AND COMPLETELY HELD OFF THE ROOF SURFACE.
- ALL SINGAGE TO BE PLACED IN ACCORDANCE WITH THE LOCAL BUILDING CODE. IF EXPOSED TO SUNLIGHT, IT SHALL BE UV RESISTANT. ALL PLAQUES AND SINGAGE WILL BE INSTALLED AS REQUIRED BY THE NEC AND AHJ.
- INVERTER(S) USED IN UNGROUNDED SYSTEM SHALL BE UL 1741 LISTED.
- THE INSTALLATION OF EQUIPMENT AND ALL ASSOCIATED WIRING AND INTERCONNECTION SHALL BE PERFORMED ONLY BY QUALIFIED PERSONS [NEC 690.4(C)]
- ALL OUTDOOR EQUIPMENT SHALL BE NEMA 3R RATED (OR BETTER), INCLUDING ALL ROOF MOUNTED TRANSITION BOXES AND SWITCHES.
- ALL EQUIPMENT SHALL BE PROPERLY GROUNDED AND BONDED IN ACCORDANCE WITH NEC ARTICLE 250.
- SYSTEM GROUNDING SHALL BE IN ACCORDANCE WITH NEC 690.41.
- PV SYSTEM CIRCUITS INSTALLED ON OR IN BUILDINGS SHALL INCLUDE A RAPID SHUTDOWN FUNCTION IN ACCORDANCE WITH NEC 690.12
- DISCONNECTING MEANS SHALL BE LOCATED IN A VISIBLE, READILY ACCESSIBLE LOCATION WITHIN THE PV SYSTEM EQUIPMENT OR A MAXIMUM OF 10 FEET AWAY FROM THE SYSTEM [NEC 690.13(A)]
- ALL WIRING METHODS SHALL BE IN ACCORDANCE WITH NEC [NEC 690.13(A)]
- WORK CLEARANCES AROUND ELECTRICAL EQUIPMENT WITH NEC 690.31
- ROOFTOP MOUNTED PHOTOVOLTAIC EQUIPMENT WILL BE MAINTAINED PER NEC 110.26(A)(1), 110.26(A)(2) AND 110.26(A)(3), UL1703
- ELECTRICAL CONTRACTOR TO PROVIDE CONDUIT EXPANSION JOINTS AND ANCHOR CONDUIT RUNS, AS REQUIRED PER NEC.
- THE ENCHARGE BATTERY AS PART OF THE ENSEMBLE SYSTEM DOES NOT EXPORT POWER TO THE GRID IN ANY STORAGE MODE

DESIGNER: ESR

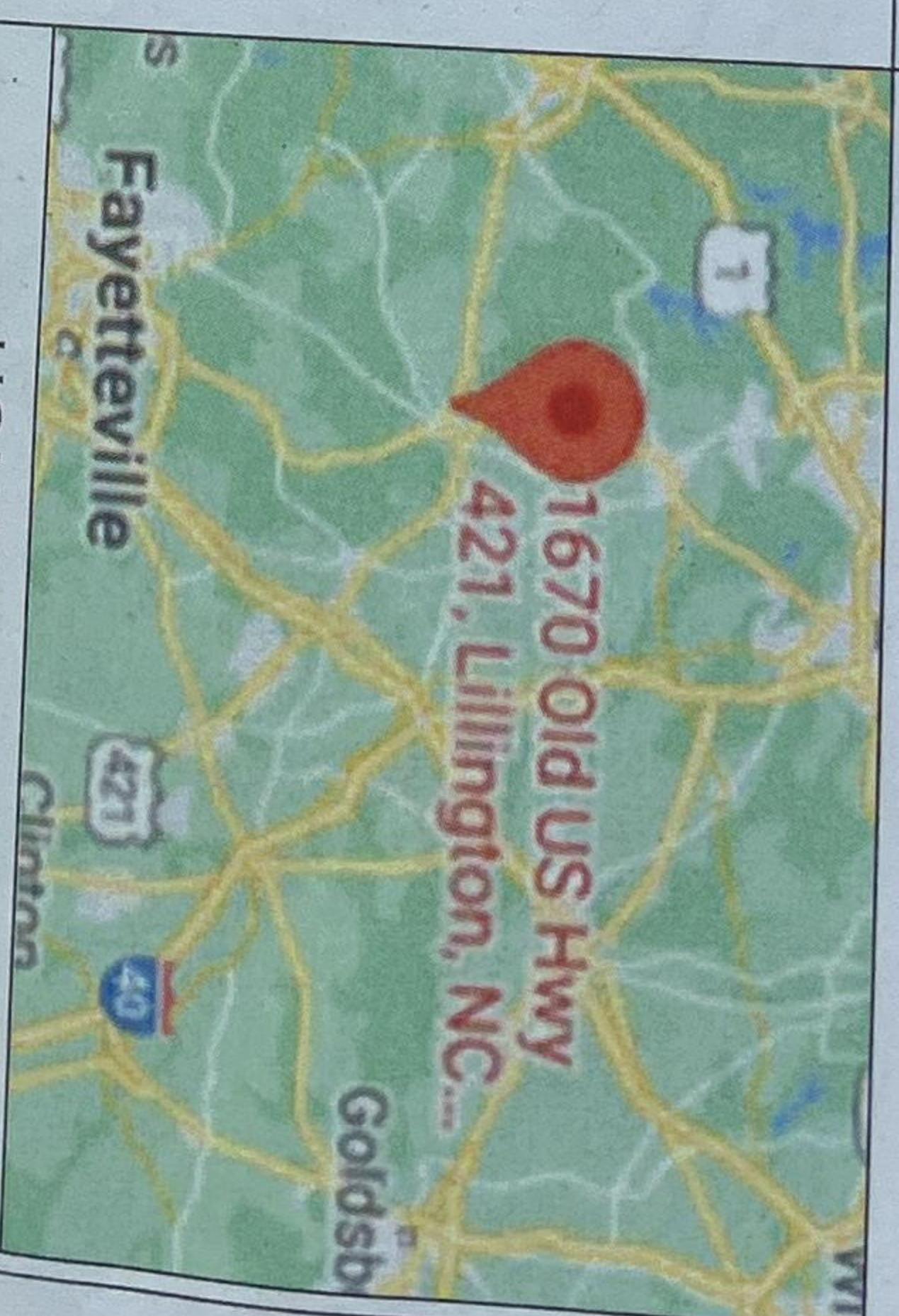
SCOPE: 6.935 KW DC ROOF MOUNT SOLAR PV SYSTEM WITH 19 HANMHA Q-CELLS Q-PEAK DUO BLK-G10+365N PV MODULES WITH 19 EMPHASE 108PPLUS-72-2-US MICROINVERTERS
1 ESS: ENCHARGE 10 = 3.84KW | 10.08KW/H

AUTHORITIES HAVING JURISDICTION:
BUILDING: HARNETT, COUNTY OF (NC)
ZONING: HARNETT, COUNTY OF (NC)
UTILITY: DUKE ENERGY PROGRESS - EAST (NC)

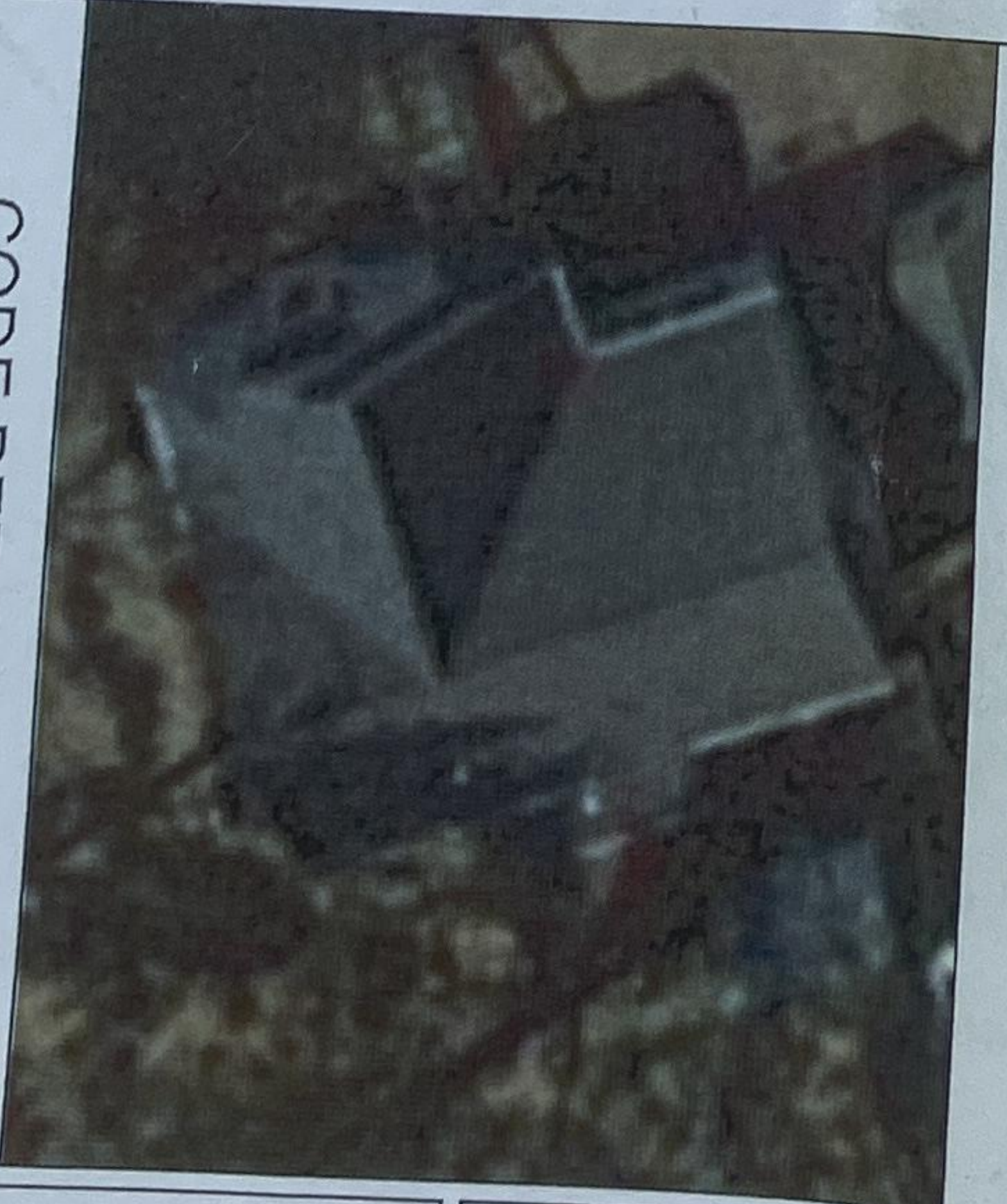
SHEET INDEX

- PV-1 COVER SHEET
- PV-2 SITE PLAN
- PV-3 ROOF PLAN & MODULES
- PV-4 ELECTRICAL PLAN
- PV-5 STRUCTURAL PLAN
- PV-6 ELECTRICAL LINE DIAGRAM
- PV-7 WIRING CALCULATIONS
- PV-8 LABELS
- PV-9 PLACARD
- PV-10 JHA FORM
- PV-11 MICRO INVERTER CHART
- PV-12+ EQUIPMENT SPECIFICATIONS

VICINITY MAP



HOUSE PHOTO



CODE REFERENCES

- PROJECT TO COMPLY WITH THE FOLLOWING:
- 2018 NORTH CAROLINA BUILDING CODE
 - 2018 NORTH CAROLINA RESIDENTIAL CODE
 - 2018 NORTH CAROLINA FIRE CODE
 - 2018 NORTH CAROLINA ENERGY CONSERVATION CODE
 - 2017 NATIONAL ELECTRICAL CODE

22171 MCH RD
MANDEVILLE, LA 70471
PHONE: 9152011490

REVISIONS		
DESCRIPTION	DATE	REV
INITIAL DESIGN	08/17/2022	
REVISED	08/30/2022	A

DATE: 08/17/2022

PROJECT NAME & ADDRESS
AMYN ABDUK KHALIQ RESIDENCE
1670 OLD US HWY 421, LILLINGTON, NC 27546

SHEET NAME
COVER SHEET

SHEET SIZE
ANSI B
11" X 17"

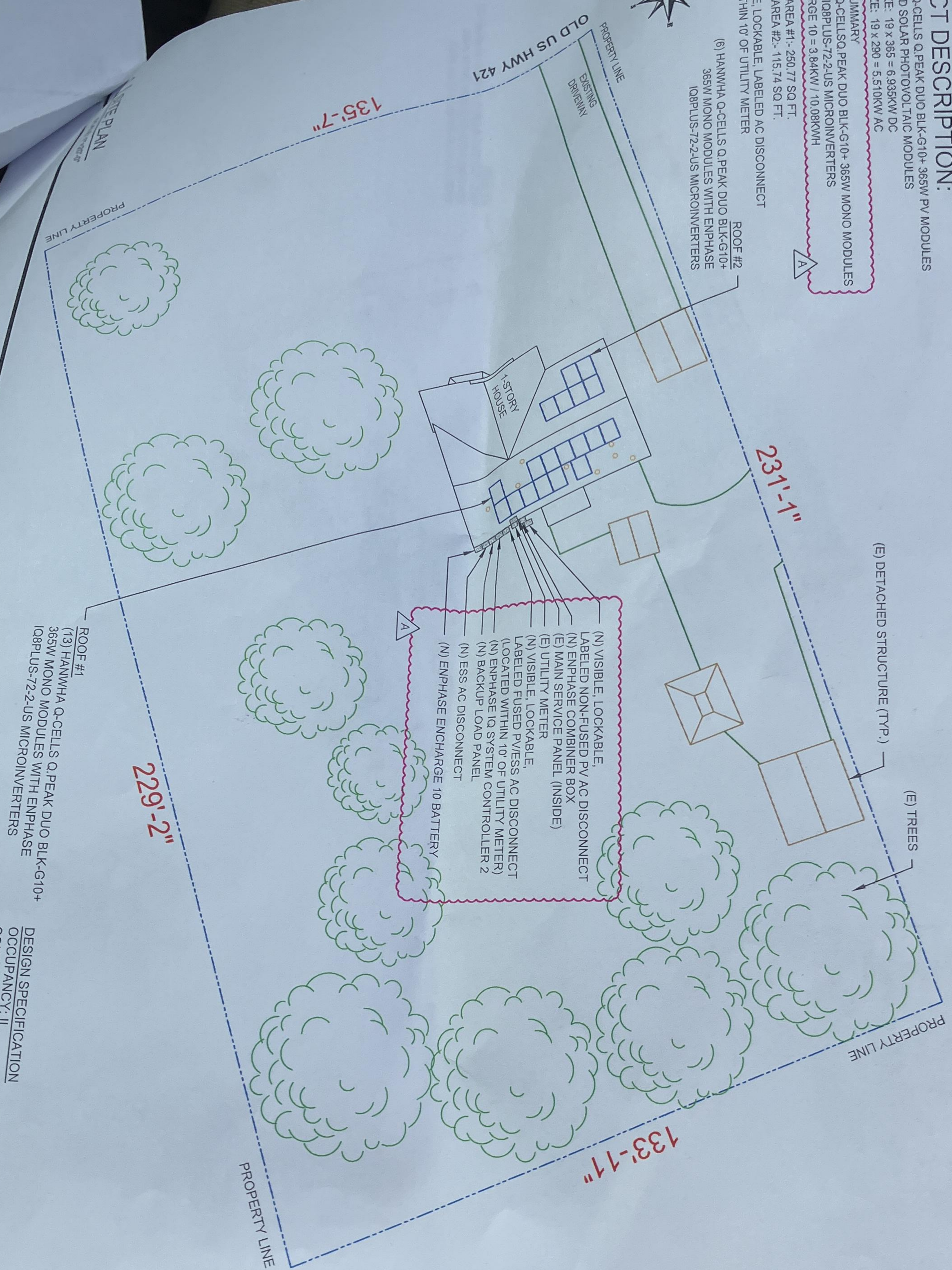
PROJECT DESCRIPTION:

19 X HANWHA Q-CELLS Q PEAK DUO BLK-G10+ 365W PV MODULES
 ROOF MOUNTED SOLAR PHOTOVOLTAIC MODULES
 DC SYSTEM SIZE: 19 X 385 = 6,935KW DC
 AC SYSTEM SIZE: 19 X 290 = 5,510KW AC

EQUIPMENT SUMMARY
 19 HANWHA Q-CELLS Q PEAK DUO BLK-G10+ 365W MONO MODULES
 19 ENPHASE IQ8PLUS-72-2-US MICROINVERTERS
 1 ESS: ENCHARGE 10 = 3.84KW / 10.08KWH

ROOF ARRAY AREA #1: 250.77 SQ. FT.
 ROOF ARRAY AREA #2: 115.74 SQ. FT.
 NOTE: VISIBLE, LOCKABLE, LABELED AC DISCONNECT
 LOCATED WITHIN 10' OF UTILITY METER

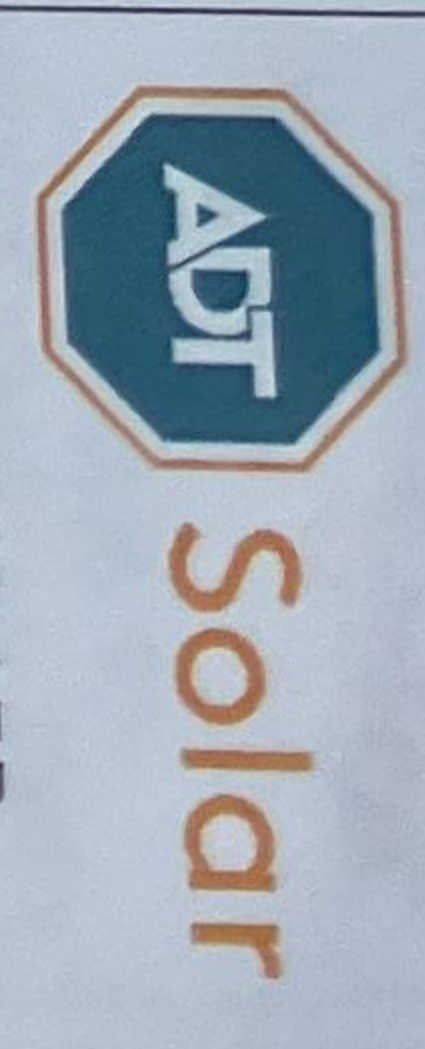
(6) HANWHA Q-CELLS Q PEAK DUO BLK-G10+ 365W MONO MODULES WITH ENPHASE IQ8PLUS-72-2-US MICROINVERTERS



- (N) VISIBLE, LOCKABLE, LABELED NON-FUSED PV AC DISCONNECT
- (N) ENPHASE COMBINER BOX
- (E) MAIN SERVICE PANEL (INSIDE)
- (E) UTILITY METER
- (N) VISIBLE, LOCKABLE, LABELED FUSED PV/ESS AC DISCONNECT (LOCATED WITHIN 10' OF UTILITY METER)
- (N) ENPHASE IQ SYSTEM CONTROLLER 2
- (N) BACKUP LOAD PANEL
- (N) ESS AC DISCONNECT
- (N) ENPHASE ENCHARGE 10 BATTERY

ROOF #1
 (13) HANWHA Q-CELLS Q PEAK DUO BLK-G10+ 365W MONO MODULES WITH ENPHASE IQ8PLUS-72-2-US MICROINVERTERS

DESIGN SPECIFICATION
 OCCUPANCY: II
 CONSTRUCTION: SINGLE-FAMILY
 ZONING: RESIDENTIAL
 GROUND SNOW LOAD: REFER STRUCTURAL LETTER
 WIND EXPOSURE: REFER STRUCTURAL LETTER
 WIND SPEED: REFER STRUCTURAL LETTER



22171 MCH RD
 MANDEVILLE, LA 70471
 PHONE: 9152011490

REVISIONS		
DESCRIPTION	DATE	REV
INITIAL DESIGN	08/17/2022	
REVISED	09/30/2022	A

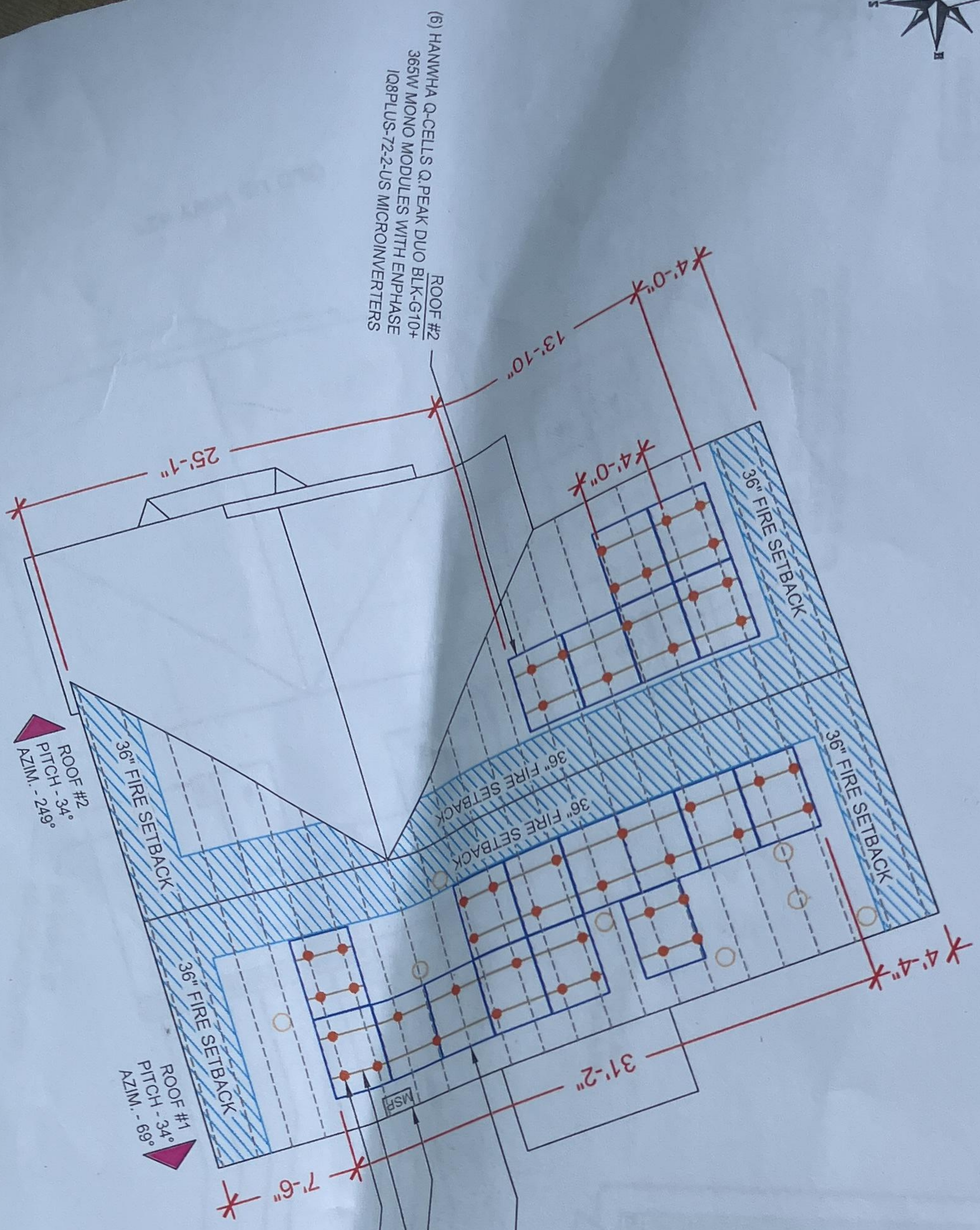
DATE: 08/17/2022

PROJECT NAME & ADDRESS
 AMYN ABDUK KHALIQ RESIDENCE
 1670 OLD US HWY 421, LILLINGTON, NC 27546

SHEET NAME
 SITE PLAN
 SHEET SIZE
 ANSIB
 11" X 17"
 SHEET NUMBER

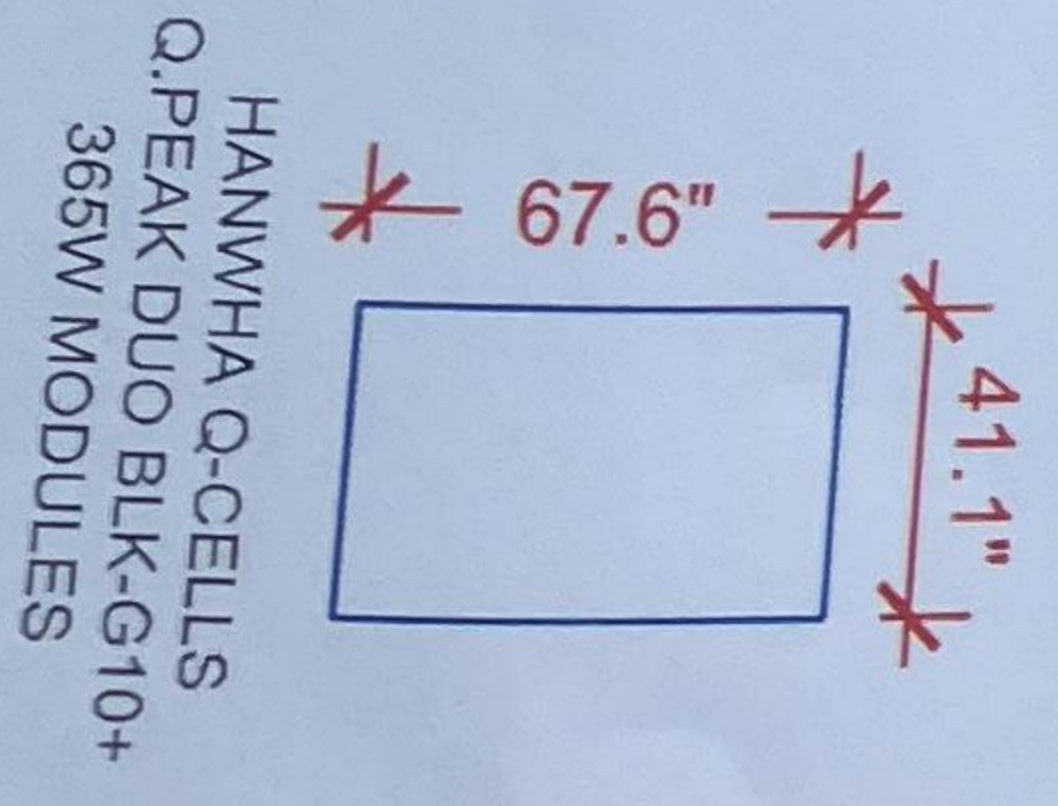
MODULE TYPE, DIMENSIONS & WEIGHT

NUMBER OF MODULES = 19 MODULES
 MODULE TYPE = HANWHA Q-CELLS Q,PEAK DUO BLK-G10+ 365W MONO MODULES
 MODULE WEIGHT = 43.8 LBS / 19.9 KG.
 MODULE DIMENSIONS = 67.6" x 41.1" = 19.29 SF.



ROOF #2
 (6) HANWHA Q-CELLS Q,PEAK DUO BLK-G10+
 365W MONO MODULES WITH ENPHASE
 IQ8PLUS-72-2-US MICROINVERTERS

ROOF #1
 (13) HANWHA Q-CELLS Q,PEAK DUO BLK-G10+
 365W MONO MODULES WITH ENPHASE
 IQ8PLUS-72-2-US MICROINVERTERS
 (E) MAIN SERVICE PANEL (INSIDE)
 (N) UNIRAC SOLAR MOUNT RAIL
 (47) UNIRAC FLASHLOC ATTACHMENTS



HANWHA Q-CELLS
 Q,PEAK DUO BLK-G10+
 365W MODULES

LEGEND

- | | | | |
|------|----------------------------------|-----|--------------------------------------|
| IOSC | - ENPHASE IQ SYSTEM CONTROLLER 2 | BAT | - ENPHASE ENCHARGE 10 BATTERY |
| CB | - COMBINER BOX | BLP | - BACKUP LOAD PANEL |
| ACD | - AC DISCONNECT | INV | - INVERTER |
| LC | - LOAD CENTER | JB | - JUNCTION BOX |
| UM | - UTILITY METER | SD | - SOLADECK |
| MSP | - MAIN SERVICE PANEL | | - VENT, ATTIC FAN (ROOF OBSTRUCTION) |
| | | | - ROOF ATTACHMENT |
| | | | - RAFTER |
| | | | - CONDUIT |

ROOF DESCRIPTION		ASPHALT SHINGLE	
ROOF TYPE	ROOF PITCH	RAFTER SIZE	RAFTER SPACING
#1	34°	2X6	24"
#2	34°	2X6	24"

ARRAY AREA & ROOF AREA CALC'S		
TOTAL # OF MODULES	TOTAL ARRAY AREA (Sq. Ft.)	ROOF AREA (Sq. Ft.)
19	366.59	1536.21
		AREA COVERED BY ARRAY (%)
		24

ADT Sold

22171 MCH RD
 MANDEVILLE, LA 70404
 PHONE: 9152011449

REVISIONS	DATE
DESCRIPTION	08/17/2022
INITIAL DESIGN	08/17/2022
REVISED	08/30/2022

DATE: 08/17/2022

PROJECT NAME & ADDRESS
AMYN ABDUK KHALIQ RESIDENCE
 1670 OLD US HWY 421,
 LILLINGTON, NC 27546

SHEET NAME
ROOF PLAN & MODULES

SHEET SIZE
ANSI B 11" X 17"

SYSTEM SIZE: 19 x 365 = 6.935KW DC
 SYSTEM SIZE: 19 x 290 = 5.510KW AC
 HANWHA Q-CELLS Q.PEAK DUO BLK-G10+ 365W
 (19) ENPHASE IQ8PLUS-72-2-US MICROINVERTERS
 LOCATED UNDER EACH PANEL (240V)

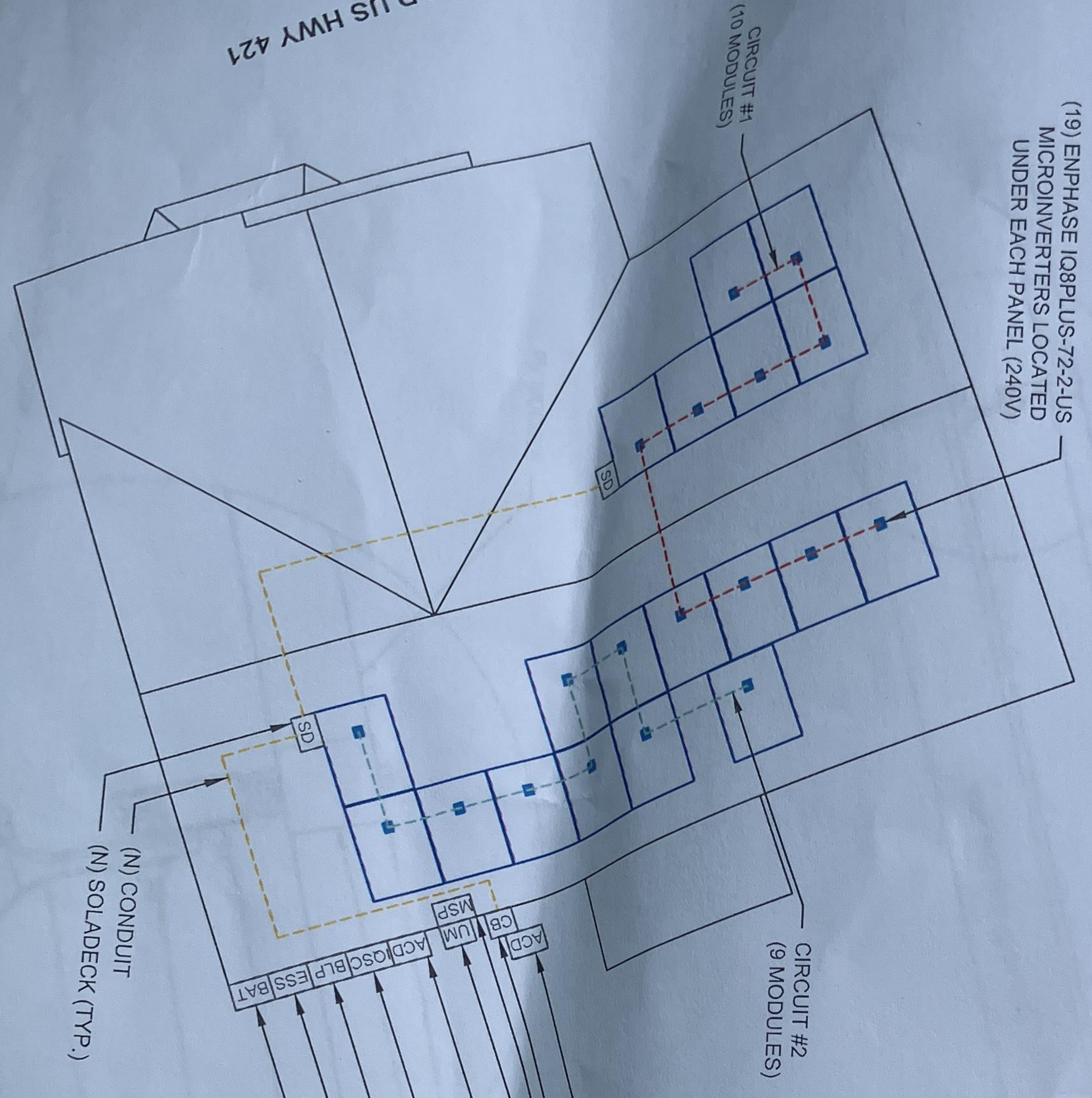
CIRCUIT LEGENDS

- CIRCUIT #1
- CIRCUIT #2



ELECTRICAL PLAN
 SCALE: 1/8" = 1'-0"

OLD US HWY 421



- (N) VISIBLE, LOCKABLE.
- LABELLED NON-FUSED PV AC DISCONNECT
- (N) ENPHASE COMBINER BOX
- (E) MAIN SERVICE PANEL (INSIDE)
- (E) UTILITY METER
- (N) VISIBLE, LOCKABLE.
- LABELLED FUSED PV/ESS AC DISCONNECT
- (LOCATED WITHIN 10' OF UTILITY METER)
- (N) ENPHASE IQ SYSTEM CONTROLLER 2
- (N) BACKUP LOAD PANEL
- (N) ESS AC DISCONNECT
- (N) ENPHASE ENCHARGE 10 BATTERY

BILL OF MATERIALS		
EQUIPMENT	QTY	DESCRIPTION
SOLAR PV MODULES	19	HANWHA Q-CELLS Q.PEAK DUO BLK-G10+ 365W MODULE
MICRO INVERTERS	19	ENPHASE IQ8PLUS-72-2-US MICROINVERTERS
SOLADECKS	2	SOLADECKS
RAIL	10	UNIRAC SM STANDARD RAIL, 168" SILVER
SPLICE	4	SPLICE KIT
MID MODULE CLAMPS	26	MID MODULE CLAMPS
END CLAMPS	24	END CLAMPS / STOPPER SLEEVE
ATTACHMENTS	47	UNIRAC FLASHLOC ATTACHMENT
INVERTER MOUNT CLIP	19	INVERTER MOUNT CLIP
INVERTER T-BOLTS	19	INVERTER T-BOLTS
TRUNK CABLES	23	TRUNK CABLES
GROUND LUGS	2	GROUND LUGS
TP LINKS	1	TP LINKS
TERMINAL BLOCKS	10	TERMINAL BLOCKS
ZIPTIES	100	ZIPTIES
TRUNK BRANCH TERMINAL	6	TRUNK BRANCH TERMINAL
TRUNK WATER TIGHT COVER	6	TRUNK WATER TIGHT COVER
BATTERY	1	ENPHASE ENCHARGE 10 = 3.84KW / 10.08KWH

LEGEND

- IQSC - ENPHASE IQ SYSTEM CONTROLLER 2
- CB - COMBINER BOX
- ACD - AC DISCONNECT
- BAT - ENPHASE ENCHARGE 10 BATTERY
- BLP - BACKUP LOAD PANEL
- INV - INVERTER
- JB - JUNCTION BOX

AMYN ABDUK
 KHALIQ

PROJECT
 DATE

MANDI
 PHC
 2

DESC
 INITIA
 RE



