

Roof Leak Prevention

Diana Navar

45 Henry rifle lane angier nc

Job Setup			
Powur OS Site ID	324127	Initial Contact w/homeowner - Greet, job review and walk through completed? Note any initial homeowner concerns /issues?	Yes
Customer Name	Diana Navar		
Address	45 Henry rifle lane angier nc	Pre-Existing Issues - Are there and pre-existing issues or damages around the home or roof? If this is a tile roof make sure to document any pre-existing broken tiles.	No
Time of Arrival	8:30		
What time was the equipment delivered?	8:00		
		Midpoint Inspection Required?	No
		Are there any Shading Issues?	No
Array			
Design Error - Layout	No	Was this a ground mount installation or a roof mount installation?	Roof mount
Design Changes - any array layout changes?	No		
Conduit and Wire Run			
Was the conduit run on the roof, in the attic, trench run, or multiple?	Attic Run	What type of conduit and wire was installed?	#6, #10 copper, 10/4 mc 1 inch emt
What size conduit and wire was installed?	#6, #10 copper, 10/4 mc 1 inch emt		
Structural Upgrades			
Structural Opgrades			

Page 1 of 60 Report Created: 10/17/2023

Electrical			
Electrician	Steele Spivey	Any Issues? code violations, clearance issues, design issues, material issues, etc.,	No
Please provide direct phone number of electrician on site. This will be used for training purposes for our equipment	8438453843	Directory Placard required?	No
manufacturers(Enphase /SolarEdge/SPAN/FranklinWH /TESLA).		Any Electrical Changes - from physical on site plans?	No
Was this a battery installation?	No	Design Error - Electrical	No
Was this a Solaredge Install?	No	Specific AHJ Requirement Note	
Approved Plans on-site?	Yes		
Any red-line changes from the AHJ on physical plans?	Not on site		
EV Charger			
Was an EV charger installed?	No		
MPU or Main Breaker Derate			
MPU - Was a main panel upgrade called out on the plans?	No	Main Breaker Derate - Was a main breaker derate called out on the plans?	No
Day Of Install Issues			
Was there missing information from the site survey that caused issues on site?	No		
Completion			
Was this a Sunnova Installation?	No	Did any damage occur to the No home during installation? Create separate Incident Report in Site Capture.	
Job Completed?	Yes		

Page 2 of 60 Report Created: 10/17/2023

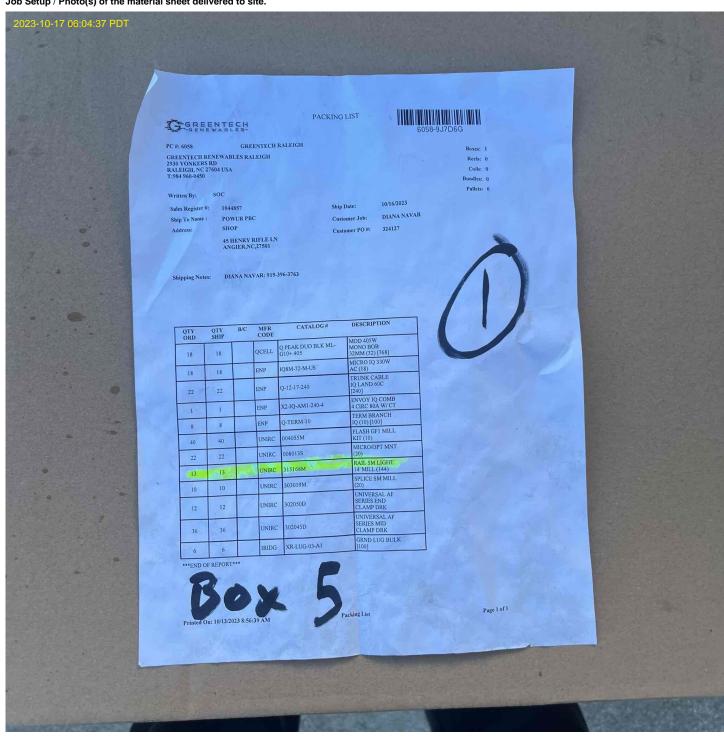
SYSTEM COMMISSIONED? Did you commission and send production report and establish Powur as the owner of the system?	Yes	Final walk through complete? (Job site left super clean, gates closed all tools picked up)	Absolutely
Was a Wi-Fi or cellular connection achieved?	Wifi	Did you complete a homeowner completion review and walk through?	yes
Homeowner's Network SSID (name) and Password	Vettorazzi 5g Dianne0303\$	Job notes, Issues, concerns, and any feed back?	
Did you install the system as originally designed?	Yes	In order for Sunnova projects to get funding the system needs to be complete through 4.1 of the activation process. This means the system needs to be mapped out online. Did you map out the array on the physical layout editor online?	Yes

Page 3 of 60 Report Created: 10/17/2023

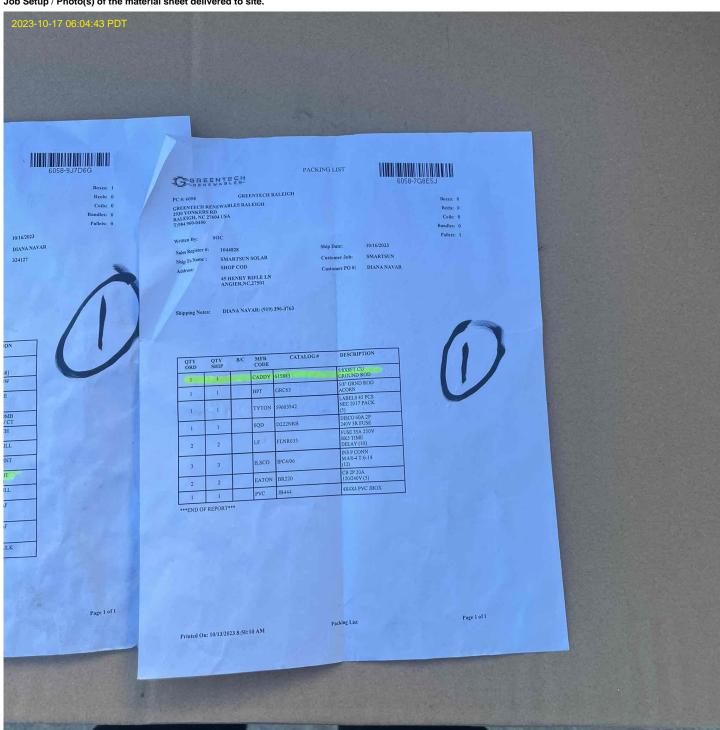
Job Setup / Location - Show front of home



Page 4 of 60 Report Created: 10/17/2023



Page 5 of 60 Report Created: 10/17/2023



Page 6 of 60 Report Created: 10/17/2023

Job Setup / Document roof plane(s) Pre and Post Install. If possible take a panoramic picture.



Page 7 of 60 Report Created: 10/17/2023

Job Setup / Document roof plane(s) Pre and Post Install. If possible take a panoramic picture.



Page 8 of 60 Report Created: 10/17/2023

Job Setup / Document roof plane(s) Pre and Post Install. If possible take a panoramic picture.



Page 9 of 60 Report Created: 10/17/2023

Array / Roof Attachment - Need to show the penetration/flashing sealed properly. Need multiple photos showing the correct application.



Page 10 of 60 Report Created: 10/17/2023

Array / Roof Attachment - Need to show the penetration/flashing sealed properly. Need multiple photos showing the correct application.



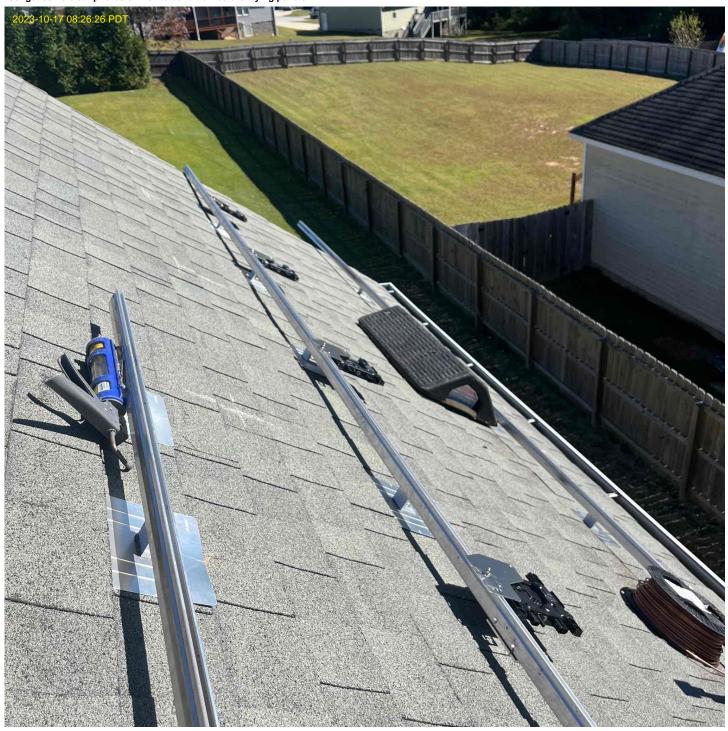
Page 11 of 60 Report Created: 10/17/2023

Array / Roof Attachment - Need to show the penetration/flashing sealed properly. Need multiple photos showing the correct application.



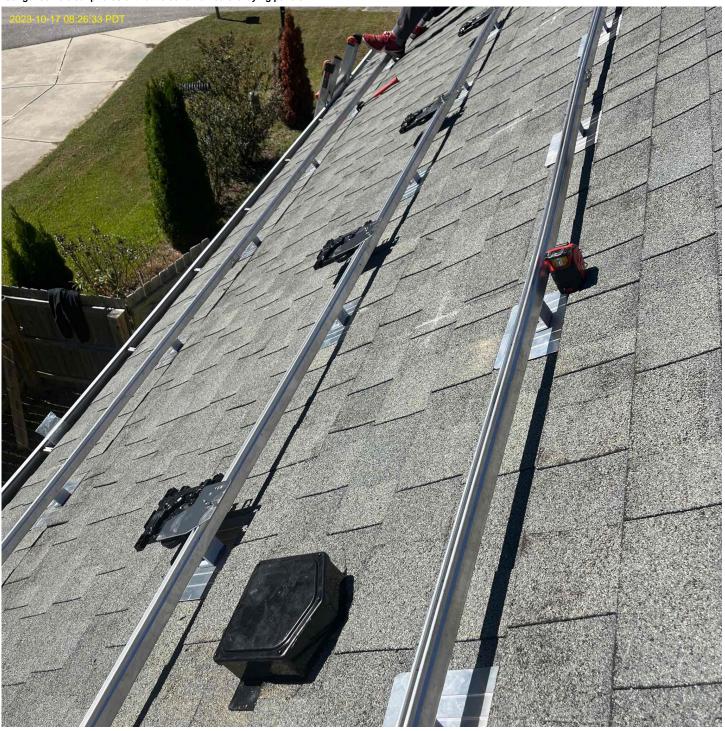
Page 12 of 60 Report Created: 10/17/2023

Array / Roof Attachment and Racking Layout - showing COMPLETE layouts, staggered attachments, span measurement. (2 pics per array min) If this is a tile roof get some clear photos of the tile condition before laying panels.



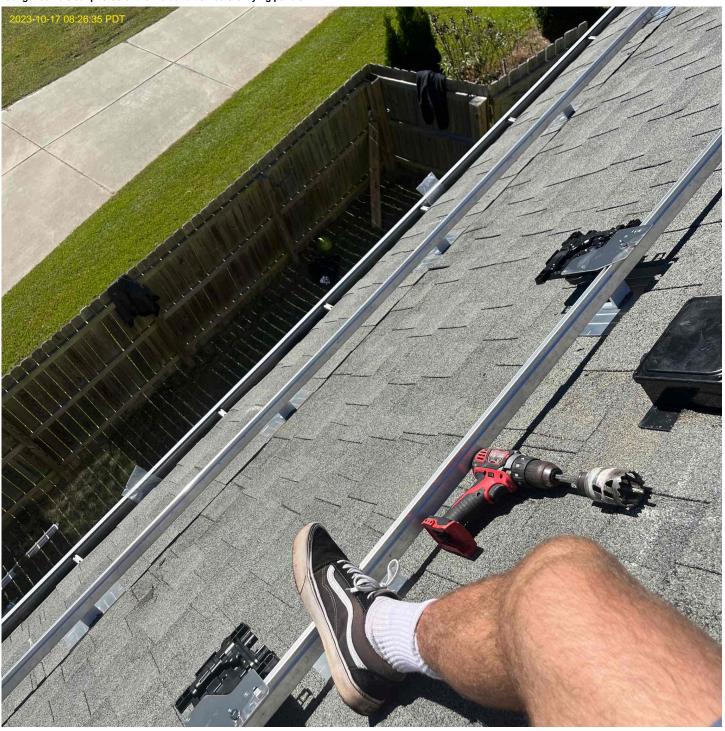
Page 13 of 60 Report Created: 10/17/2023

Array / Roof Attachment and Racking Layout - showing COMPLETE layouts, staggered attachments, span measurement. (2 pics per array min) If this is a tile roof get some clear photos of the tile condition before laying panels.



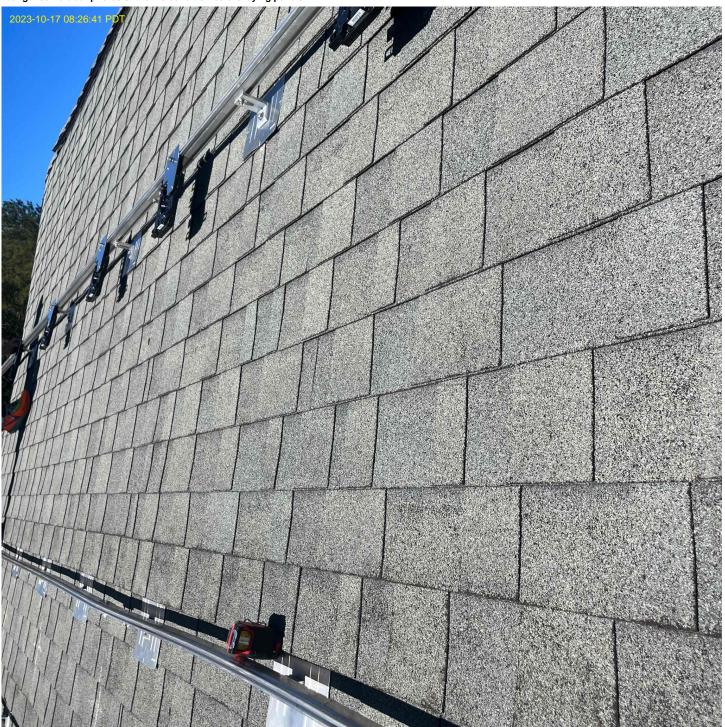
Page 14 of 60 Report Created: 10/17/2023

Array / Roof Attachment and Racking Layout - showing COMPLETE layouts, staggered attachments, span measurement. (2 pics per array min) If this is a tile roof get some clear photos of the tile condition before laying panels.



Page 15 of 60 Report Created: 10/17/2023

Array / Roof Attachment and Racking Layout - showing COMPLETE layouts, staggered attachments, span measurement. (2 pics per array min) If this is a tile roof get some clear photos of the tile condition before laying panels.



Page 16 of 60 Report Created: 10/17/2023

Array / Roof Attachment and Racking Layout - showing COMPLETE layouts, staggered attachments, span measurement. (2 pics per array min) If this is a tile roof get some clear photos of the tile condition before laying panels.



Page 17 of 60 Report Created: 10/17/2023

Array / Roof Conduit Penetration- Provide a picture showing the conduit penetrating the roof, open conduit entrance demonstrating proper conductor strain relief, weather protection, and conduit stability.



Page 18 of 60 Report Created: 10/17/2023



Steele Spivey

Page 19 of 60 Report Created: 10/17/2023

Array / Module Attachments - Need to show panels are properly secured and torqued to spec with mid clamps and end clamps.



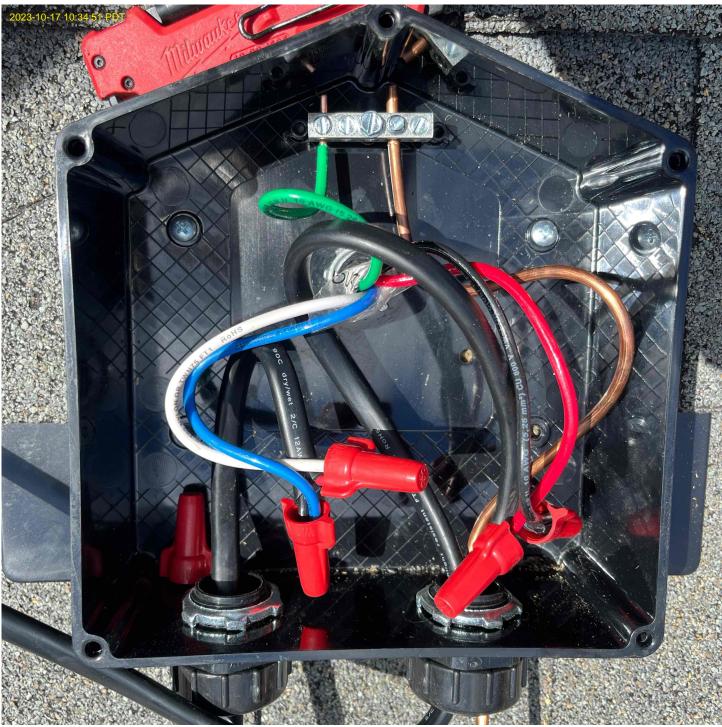
Page 20 of 60 Report Created: 10/17/2023

Array / MLPE (micro inverter/optimizer) serial number, must include model number as well.



Page 21 of 60 Report Created: 10/17/2023

Array / PV Junction Box OPEN - All terminations, EGC path to array, attic penetration, entries & exits. (If penetrating the roof to run through the attic, the transition from attic to roof needs to be sealed with duct seal.)



Steele Spivey

Page 22 of 60 Report Created: 10/17/2023

Array / Completed Array(s) showing COMPLETE overview of arrays multiple pics and location of PV junction box (3 pics per array min.) ALL modules need to be visible



Steele Spivey Loc: **35.4478**, **-78.678**

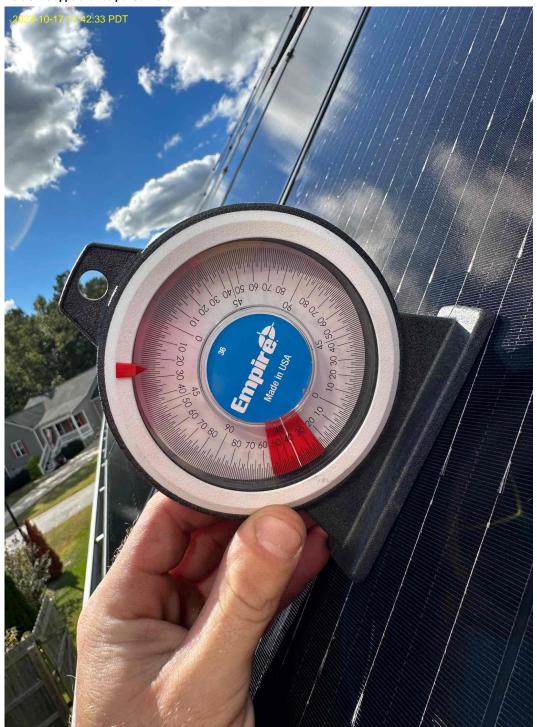
Array / Completed Array(s) showing COMPLETE overview of arrays multiple pics and location of PV junction box (3 pics per array min.) ALL modules need to be visible.



Steele Spivey Loc: **35.4478**, **-78.6779**

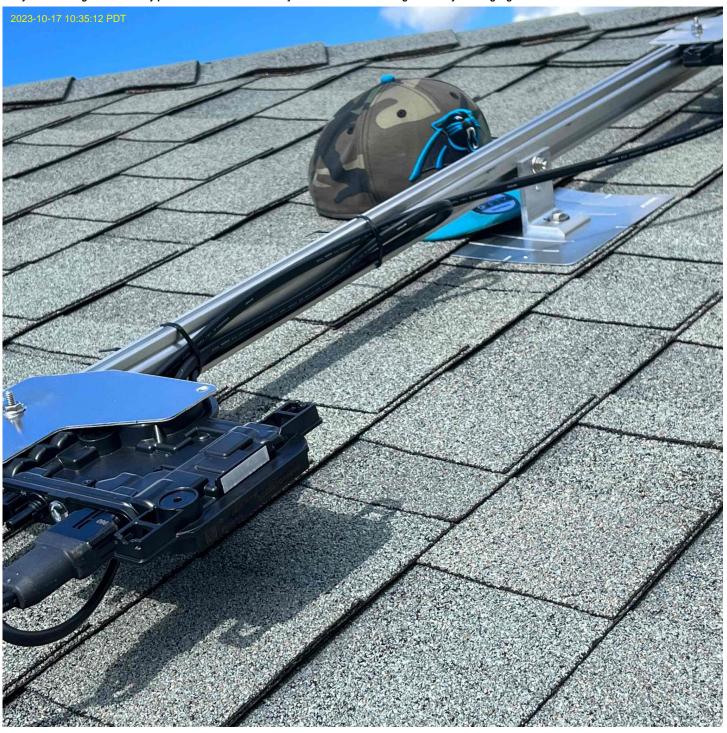
Page 23 of 60 Report Created: 10/17/2023

Array / Completed Array(s) need to show tilt of each array completed, measured with an inclinometer. Both the panel and the inclinometer must be visible. No apps allowed per Sunnova.



Page 24 of 60 Report Created: 10/17/2023

Array / Wire Management - Quality pictures under the entire array after installation showing absolutely no dangling wires.



Page 25 of 60 Report Created: 10/17/2023

Array / Wire Management - Quality pictures under the entire array after installation showing absolutely no dangling wires.



Page 26 of 60 Report Created: 10/17/2023

Array / Wire Management - Quality pictures under the entire array after installation showing absolutely no dangling wires.



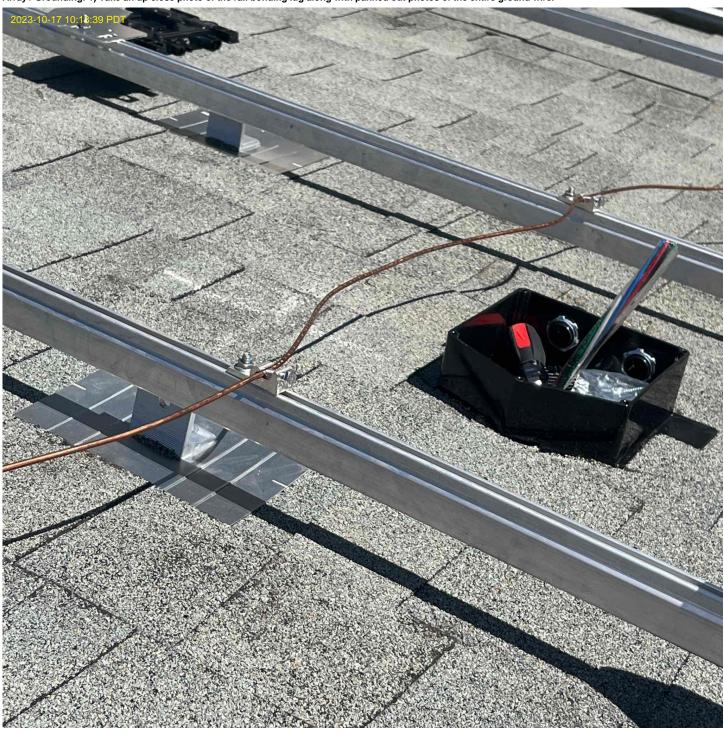
Page 27 of 60 Report Created: 10/17/2023

Array / Grounding: 1) Take an up close photo of the rail bonding lug along with panned out photos of the entire ground wire.

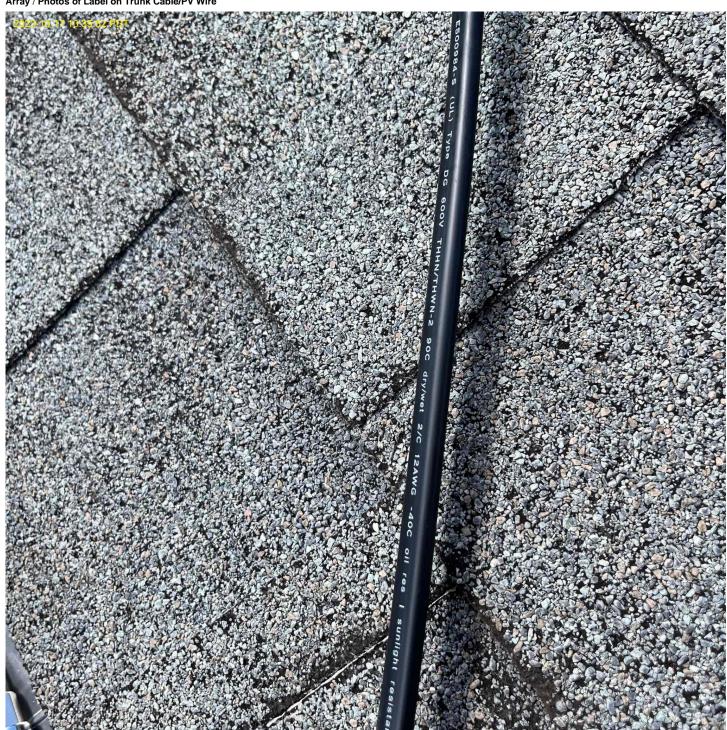


Page 28 of 60 Report Created: 10/17/2023

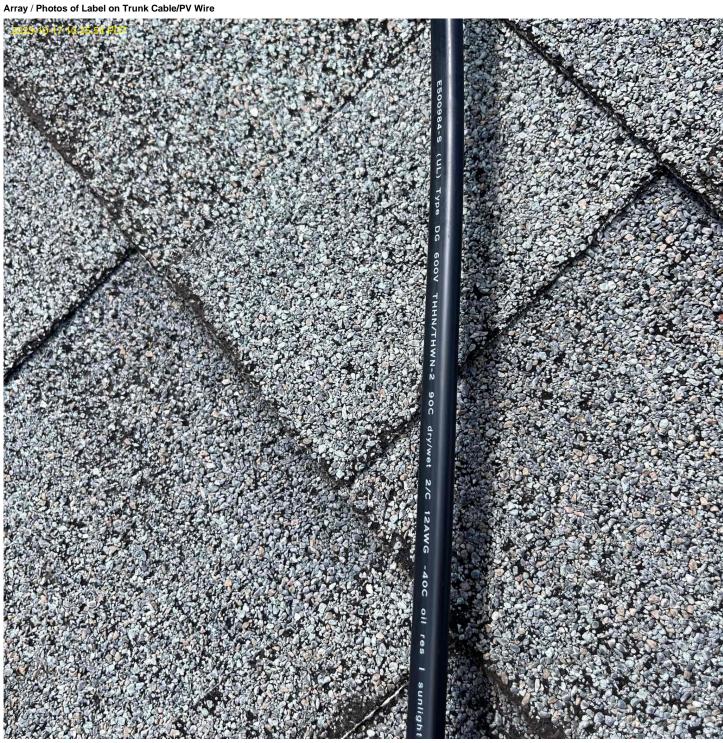
Array / Grounding: 1) Take an up close photo of the rail bonding lug along with panned out photos of the entire ground wire.



Page 29 of 60 Report Created: 10/17/2023

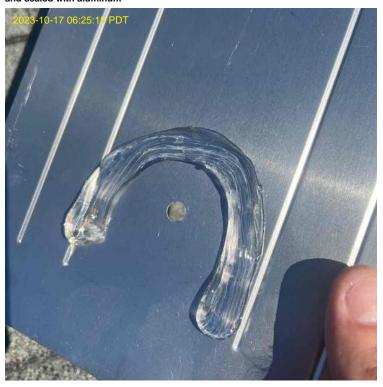


Page 30 of 60 Report Created: 10/17/2023

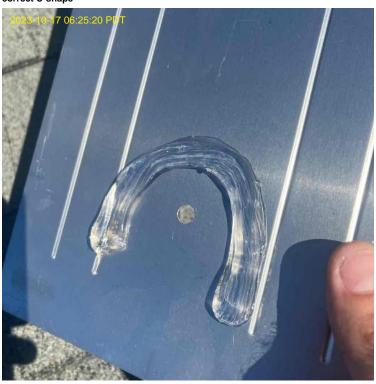


Page 31 of 60 Report Created: 10/17/2023

Roof Leak Prevention / Photos of any unused penetrations properly flashed and sealed with aluminum



Roof Leak Prevention / Photo of at least 1 flashing with sealant applied in the correct U-shape



Steele Spivey Loc: **35.448, -78.6779**

Roof Leak Prevention / Photo of at least 1 flashing with sealant applied in the correct U-shape $\,$



Steele Spivey Loc: **35.448, -78.6779**

Page 32 of 60 Report Created: 10/17/2023

Electrical / GEC (Grounding Electrode Conductor) - Take photos of the main GEC including ground rods and acorn clamps(photo of GEC connection in MSP if none found).



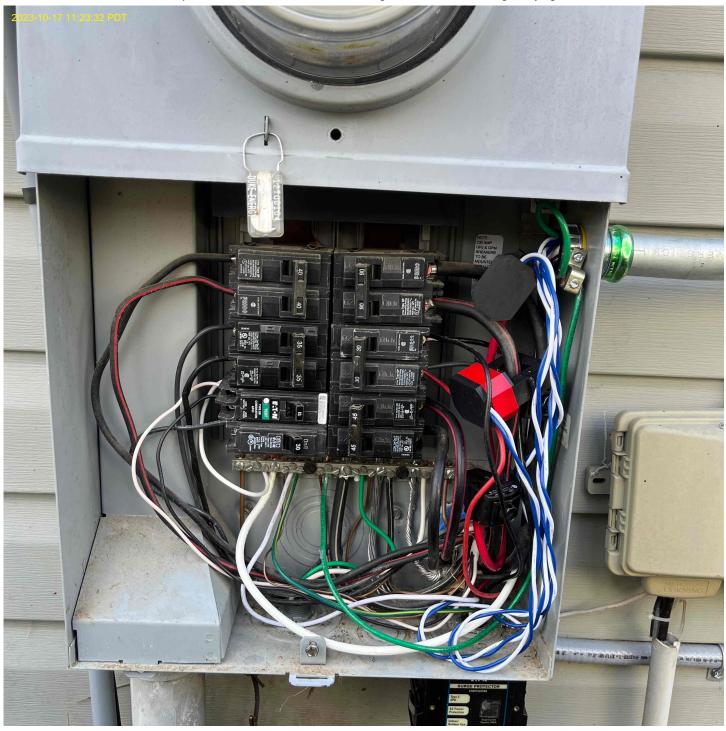
Page 33 of 60 Report Created: 10/17/2023

Electrical / GEC (Grounding Electrode Conductor) - Take photos of the main GEC including ground rods and acorn clamps(photo of GEC connection in MSP if none found).



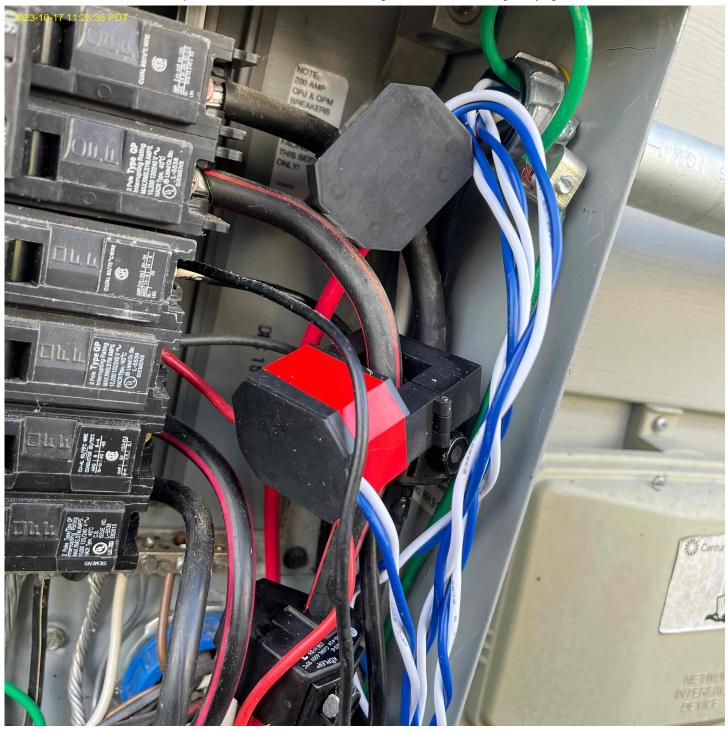
Page 34 of 60 Report Created: 10/17/2023

Electrical / Main Service Panel: Detailed photos of tie method with main breaker rating and backfed breaker rating clearly legible.



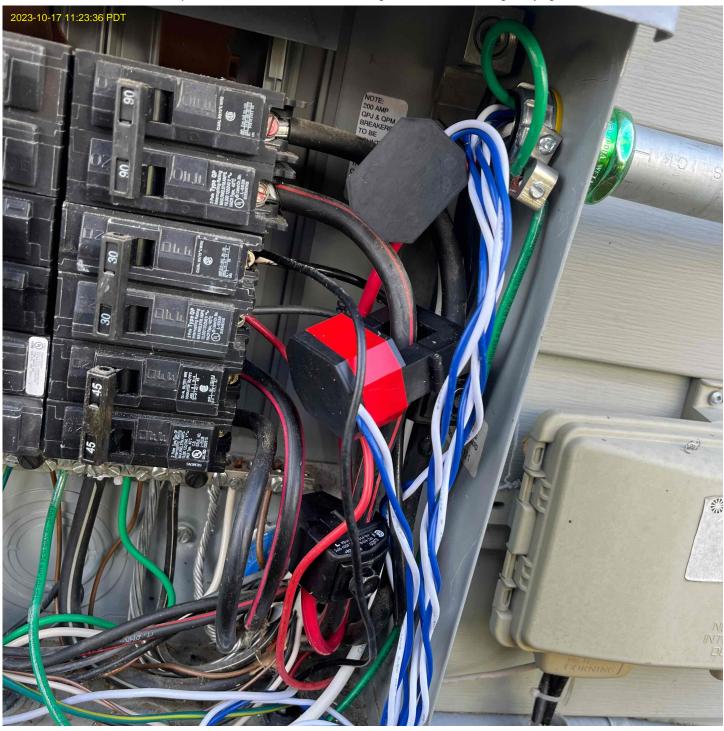
Page 35 of 60 Report Created: 10/17/2023

Electrical / Main Service Panel: Detailed photos of tie method with main breaker rating and backfed breaker rating clearly legible.



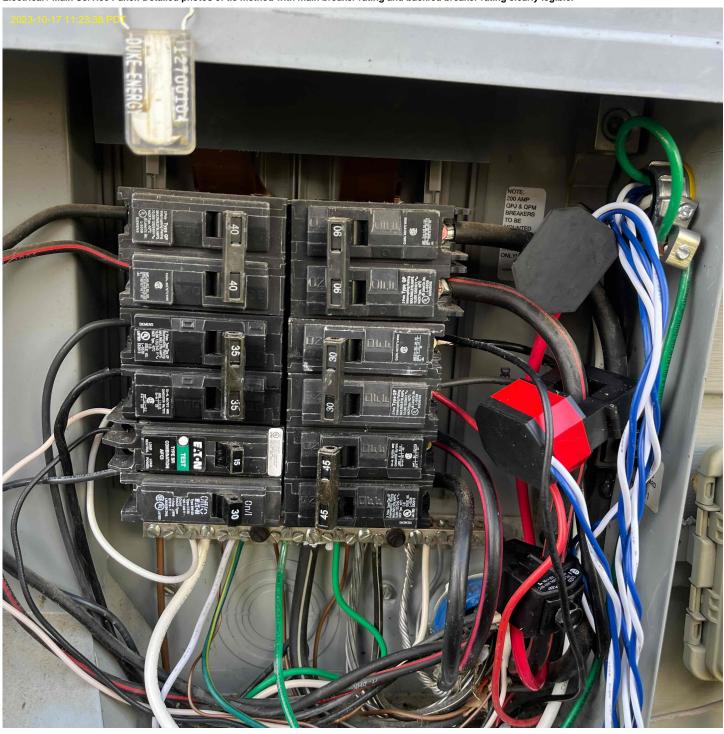
Page 36 of 60 Report Created: 10/17/2023

Electrical / Main Service Panel: Detailed photos of tie method with main breaker rating and backfed breaker rating clearly legible.



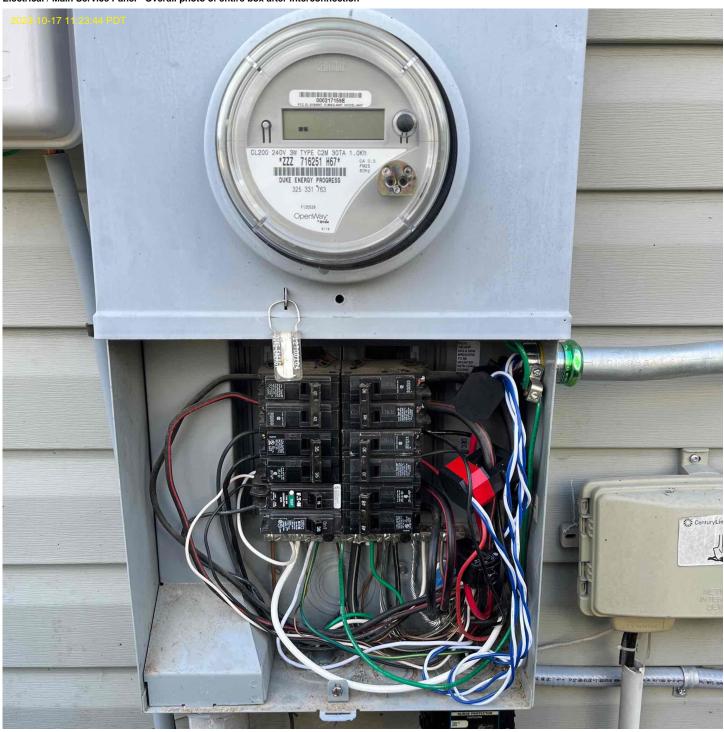
Page 37 of 60 Report Created: 10/17/2023

Electrical / Main Service Panel: Detailed photos of tie method with main breaker rating and backfed breaker rating clearly legible.



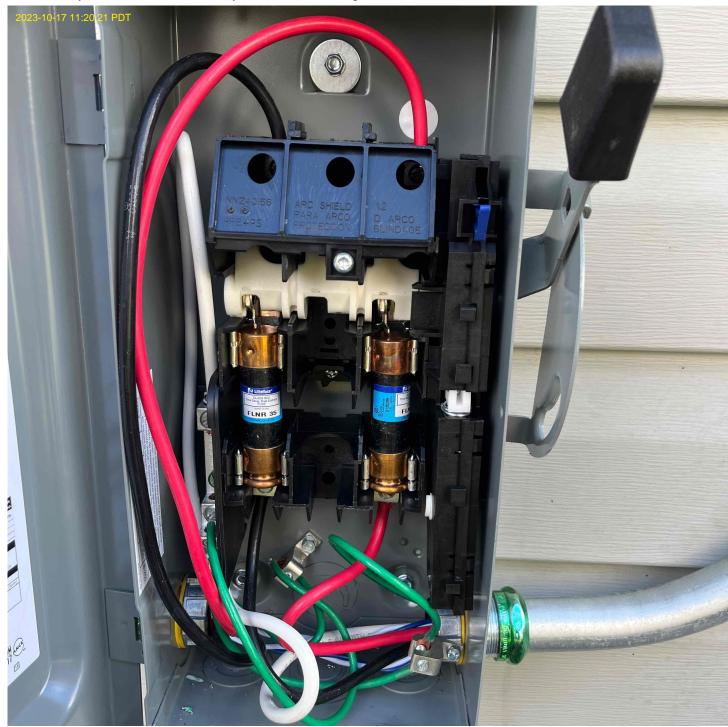
Page 38 of 60 Report Created: 10/17/2023

Electrical / Main Service Panel - Overall photo of entire box after interconnection



Page 39 of 60 Report Created: 10/17/2023

Electrical / PV System Disconnect - Photos of PV system disconnect, including fuse sizes and wire sizes.

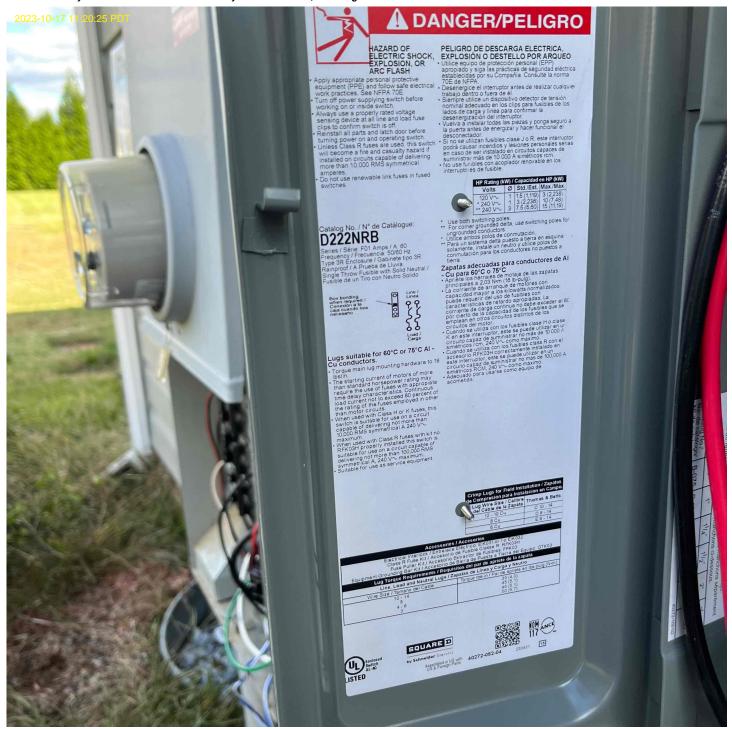


Page 40 of 60 Report Created: 10/17/2023

Electrical / PV System Disconnect - Photos of PV system disconnect, including fuse sizes and wire sizes.



Page 41 of 60 Report Created: 10/17/2023



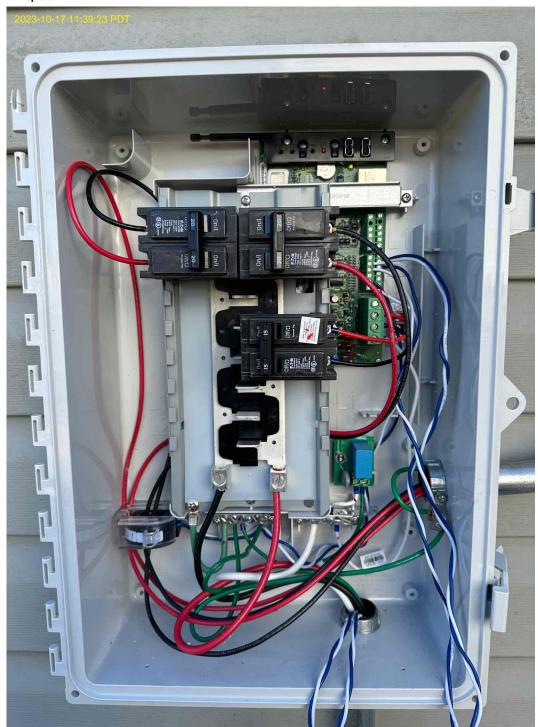
Page 42 of 60 Report Created: 10/17/2023

Electrical / PV System Disconnect - Photos of PV system disconnect, including fuse sizes and wire sizes.



Page 43 of 60 Report Created: 10/17/2023

Electrical / PV Inverter or IQ Combiner - Take photo of open PV inverter or IQ Combiner showing all components installed, wiring connections, and nameplate.

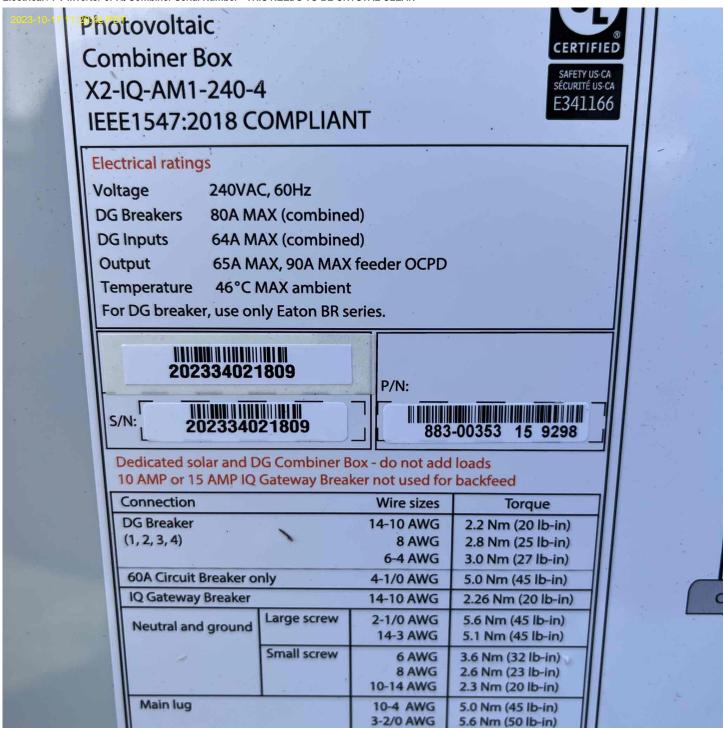


Page 44 of 60 Report Created: 10/17/2023

Electrical / PV Inverter or IQ Combiner - Take photo of open PV inverter or IQ Combiner showing all components installed, wiring connections, and nameplate.



Page 45 of 60 Report Created: 10/17/2023



Page 46 of 60 Report Created: 10/17/2023

Electrical / PV Equipment - A panned out photo of all PV equipment installed and completed.



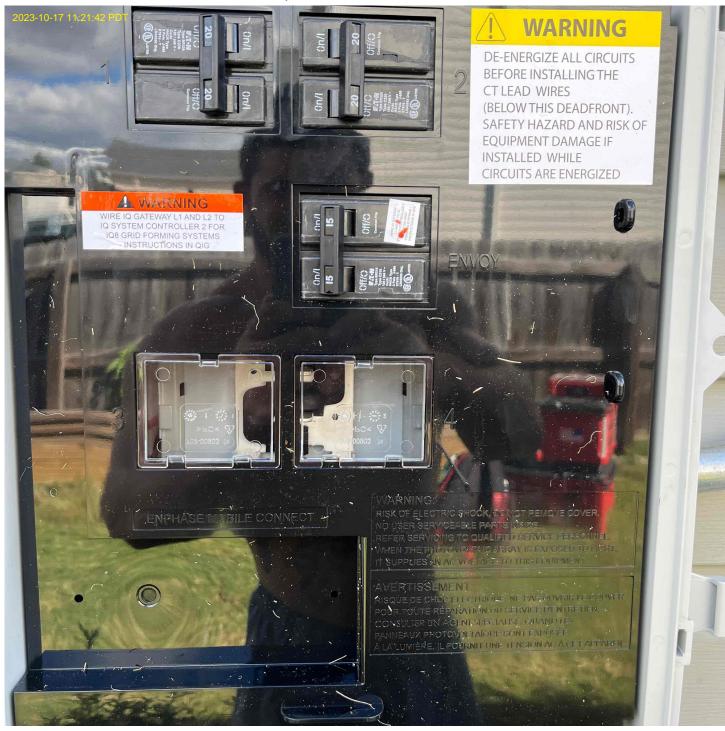
Page 47 of 60 Report Created: 10/17/2023

Electrical / Communication Devices Installed - Provide photos of all communication devices installed.



Page 48 of 60 Report Created: 10/17/2023

Electrical / Communication Device Serial Numbers - Take clear photos of the communication device serial numbers on site.



Page 49 of 60 Report Created: 10/17/2023

Electrical / PV Labels - photo of all PV labels installed, close up and overview (note if missing any)



Page 50 of 60 Report Created: 10/17/2023



Page 51 of 60 Report Created: 10/17/2023

Electrical / PV Labels - photo of all PV labels installed, close up and overview (note if missing any)



Page 52 of 60 Report Created: 10/17/2023

Electrical / PV Labels - photo of all PV labels installed, close up and overview (note if missing any)



Page 53 of 60 Report Created: 10/17/2023



Page 54 of 60 Report Created: 10/17/2023

Electrical / PV Labels - photo of all PV labels installed, close up and overview (note if missing any)



Page 55 of 60 Report Created: 10/17/2023



Page 56 of 60 Report Created: 10/17/2023

 ${\bf Electrical\ /\ Utility\ Meter\ -\ Provide\ legible\ photo\ of\ the\ utility\ meter\ with\ meter\ number\ legible}$

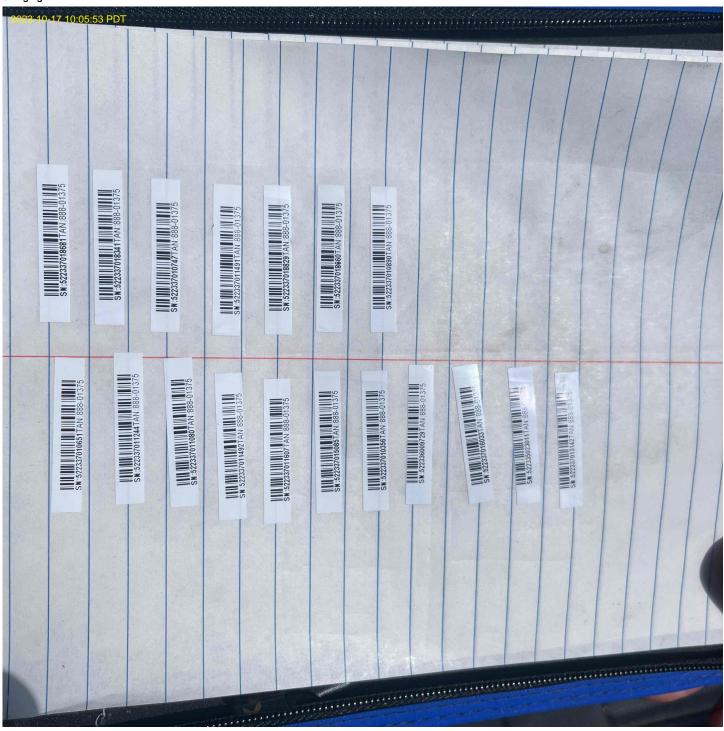




Steele Spivey Loc: 35.4482, -78.678

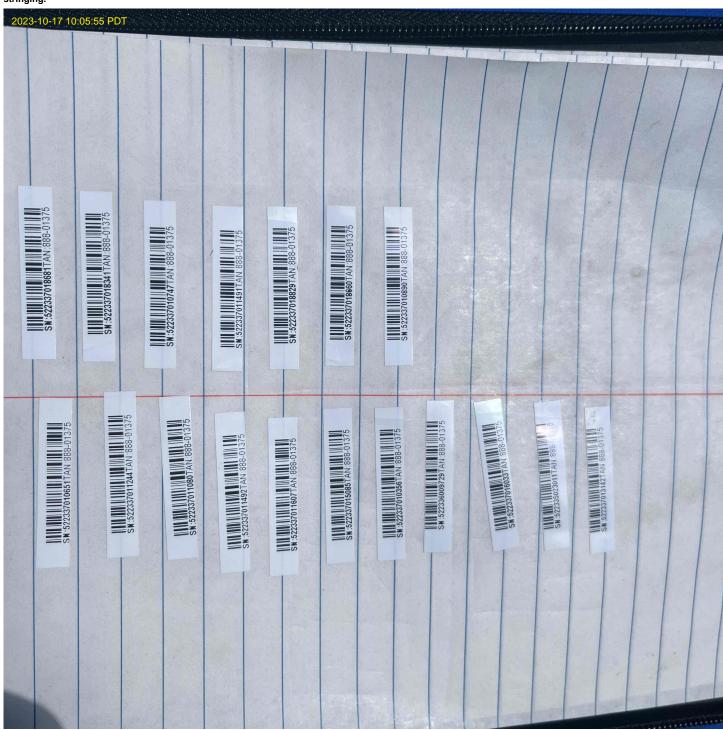
Page 57 of 60 Report Created: 10/17/2023

Completion / STICKER MAP: Optimizer/micro-inverter stickers and sticker map showing layout and string map to j-box. Make sure to draw lines indicating stringing.



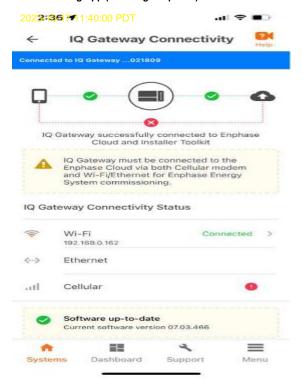
Page 58 of 60 Report Created: 10/17/2023

Completion / STICKER MAP: Optimizer/micro-inverter stickers and sticker map showing layout and string map to j-box. Make sure to draw lines indicating stringing.



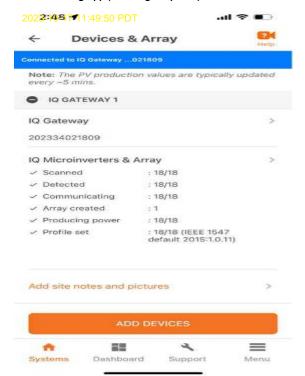
Page 59 of 60 Report Created: 10/17/2023

Completion / Screenshot of Panels Detected and Communicating in Commissioning App (Solaredge/Enphase)



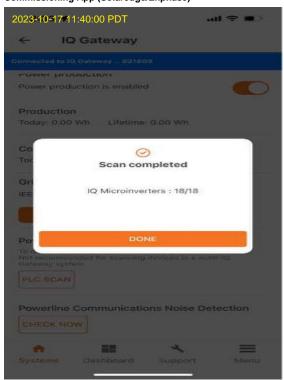
Steele Spivey

Completion / Screenshot of Panels Detected and Communicating in Commissioning App (Solaredge/Enphase)



Steele Spivey

Completion / Screenshot of Panels Detected and Communicating in Commissioning App (Solaredge/Enphase)



Steele Spivey

Page 60 of 60 Report Created: 10/17/2023