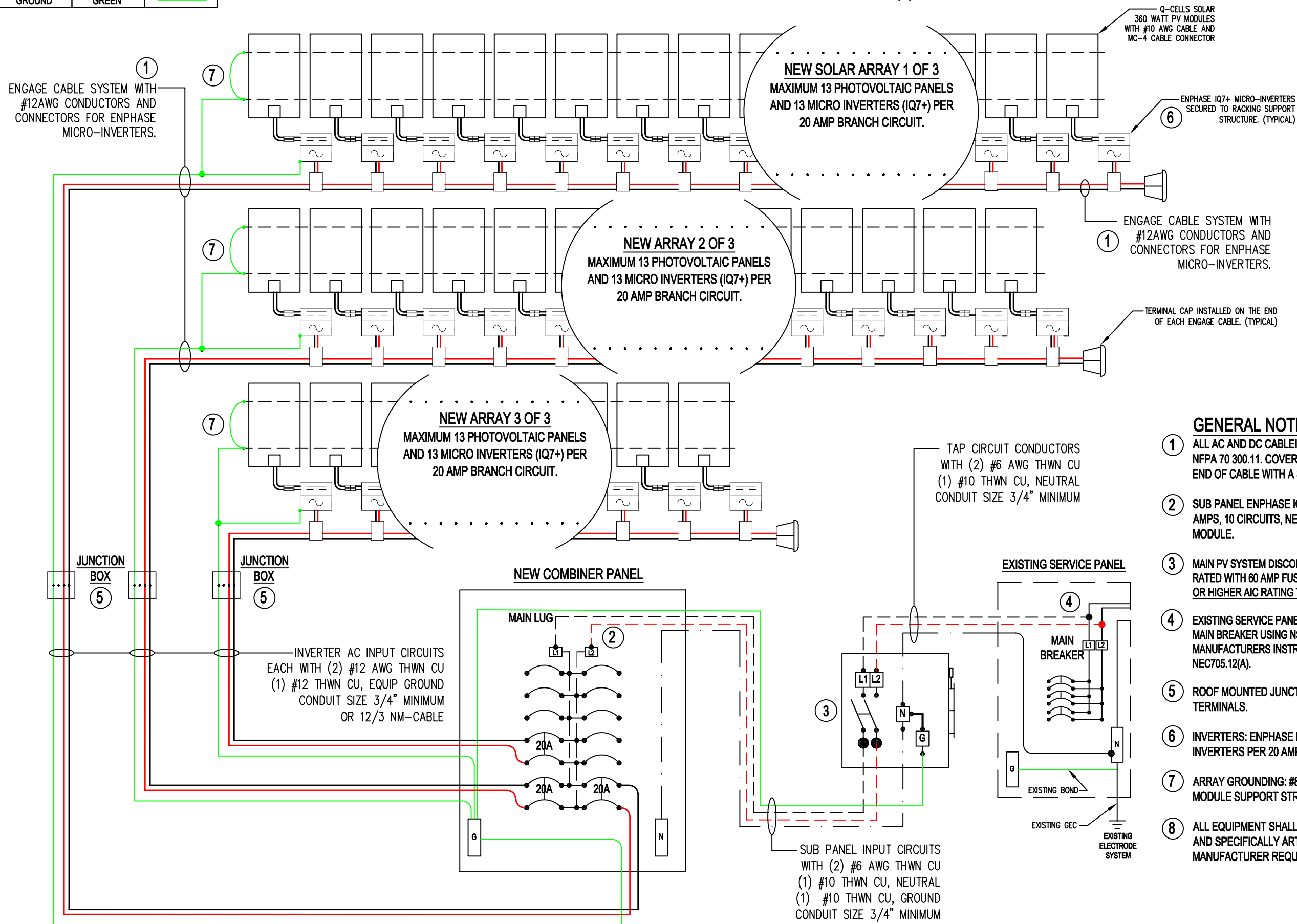


| WIRE LEGEND | WIRE COLOR |   |
|-------------|------------|---|
| AC LINE 1   | BLACK      | — |
| AC LINE 2   | RED        | — |
| AC NEUTRAL  | WHITE      | — |
| GROUND      | GREEN      | — |

**PHOTOVOLTAIC GRID-TIED SYSTEM**  
(32) QCELLS SOLAR MODULES @ 360 WATTS EA. = 11.52 KW TOTAL POWER OUTPUT. INVERTER MFG. ENPHASE MODEL# IQ7PLUS. MICRO-INVERTERS WIRED IN (3) AC BRANCH CIRCUITS.



**GENERAL NOTES:**

- ALL AC AND DC CABLEING SHALL BE SUPPORTED AND SECURED AS REQUIRED BY NFPA 70 300.11. COVER UNUSED CONNECTORS WITH PROVIDED WP COVERS AND CAP END OF CABLE WITH A SEALING CAPS.
- SUB PANEL ENPHASE IQ COMBINER (X-IQ-AM1-240-3), EATON BR BUSBAR RATED 125 AMPS, 10 CIRCUITS, NEMA 3R RATED WITH INCLUDED ENVOY COMMUNICATION MODULE.
- MAIN PV SYSTEM DISCONNECT: SUITABLE FOR SERVICE EQUIPMENT, FUSIBLE 60 AMP RATED WITH 60 AMP FUSES, 120/240V, 1 PH, 3 WIRE, NEMA 3R. FUSES SHALL HAVE EQUAL OR HIGHER AIC RATING THAN EXISTING SERVICE. LABEL "PV SYSTEM DISCONNECT"
- EXISTING SERVICE PANEL. CONNECT SOLAR INVERTER OUTPUT CIRCUIT ON LINE SIDE OF MAIN BREAKER USING NSI IPCS4002 INSULATION PIERCING CONNECTORS. FOLLOW MANUFACTURERS INSTRUCTIONS. POINT OF CONNECTION SHALL COMPLY WITH NEC705.12(A).
- ROOF MOUNTED JUNCTION BOX, TERMINATE CONDUCTORS ON 90° C RATED TERMINALS.
- INVERTERS: ENPHASE MICRO-INVERTER. MODEL #IQ7+-72-2-US. MAXIMUM 13 INVERTERS PER 20 AMP BRANCH CIRCUIT.
- ARRAY GROUNDING: #8 SOLID EQUIPMENT GROUND CONDUCTOR SECURED TO MODULE SUPPORT STRUCTURE USING UL LISTED GROUND LUGS.
- ALL EQUIPMENT SHALL BE INSTALLED PER THE 2017 NATIONAL ELECTRICAL CODE AND SPECIFICALLY ARTICLE 690, ALL APPLICABLE AHJ GOVERNING CODES, MANUFACTURER REQUIREMENTS AND GOVERNING UTILITY COMPANY.

PHOTOVOLTAIC SYSTEM DESIGNATED:

GT 11.52K QC360 ENP IQ7+

4382 LB McLeod Rd  
Orlando, FL 32811  
PH: (407) 866-0080  
Lic: EC13002507



| DRAWING TITLE: | SCHEME-ARRAY DRAWING & DIAGRAM |
|----------------|--------------------------------|
| REVISION       | DATE: 7/11/22                  |
| DRAWN:         | A. WHITE                       |
| CHECKED:       | A. WHITE                       |
| ENGINEER:      | A. WHITE                       |
| APPROVED:      | A. WHITE                       |
| PROJECT NO.    | 0000                           |
| SHEET:         | E-2                            |
| SYSTEM SIZE:   | 11.52KW                        |
| SCALE:         | NTS                            |
| SIZE:          | B                              |