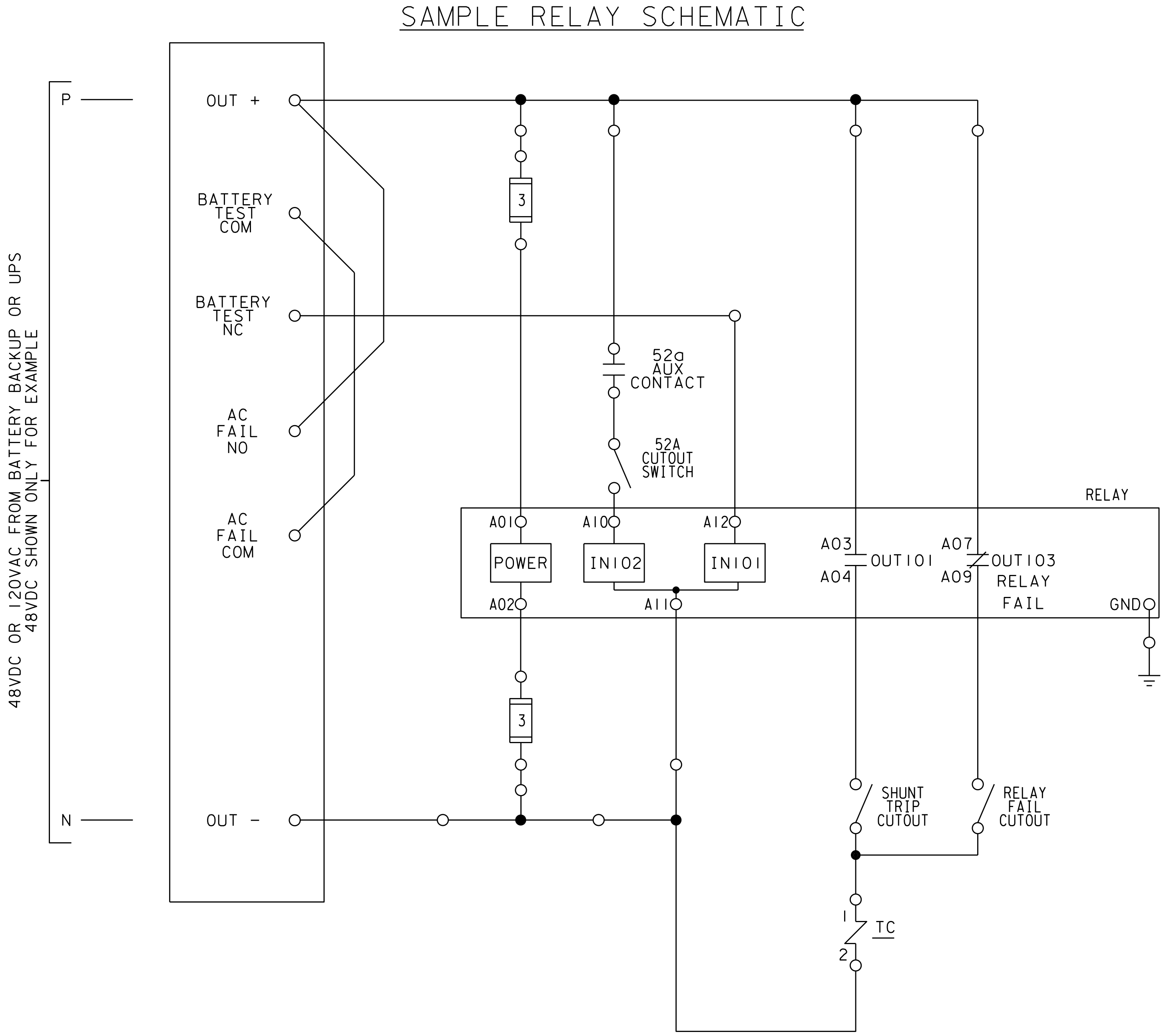


THIS SAMPLE RELAY SCHEMATIC FOR A CLASS III (1MW AND OVER) PV SYSTEM, IS INTENDED TO SHOW THE LEVEL OF DETAIL EXPECTED BY YOUR SRP REVIEWER AND THE DETAIL YOUR INSTALLER WILL NEED TO BUILD CORRECTLY.

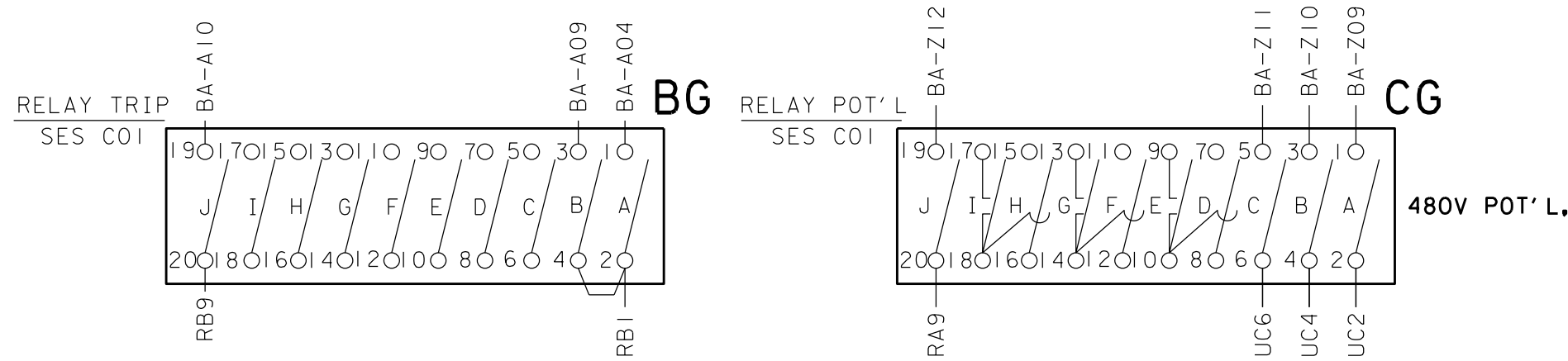
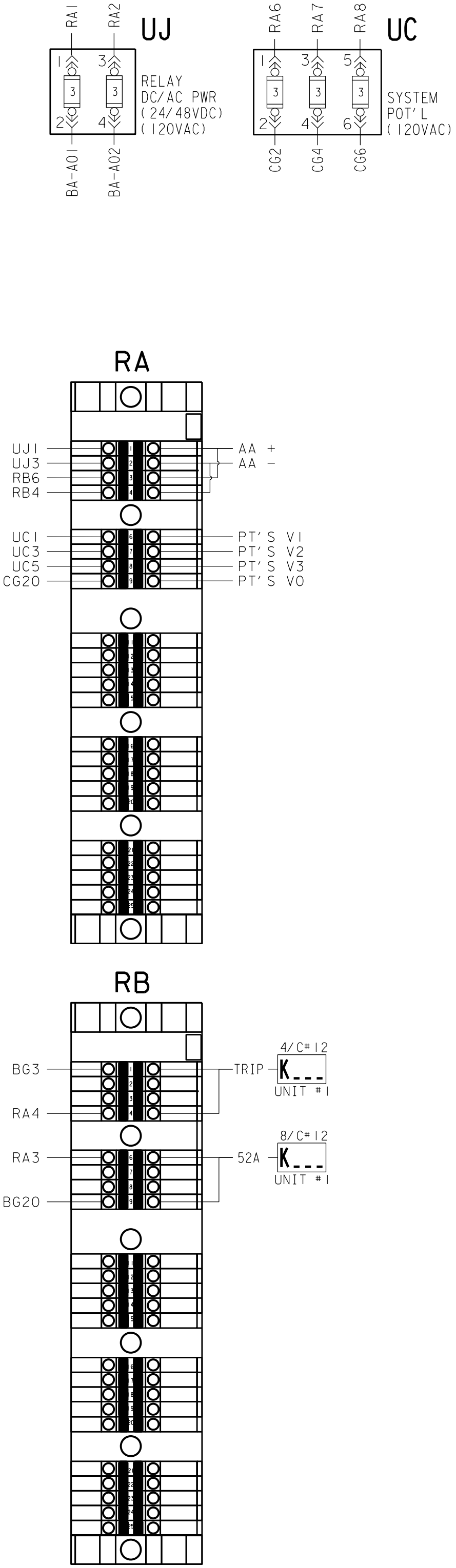
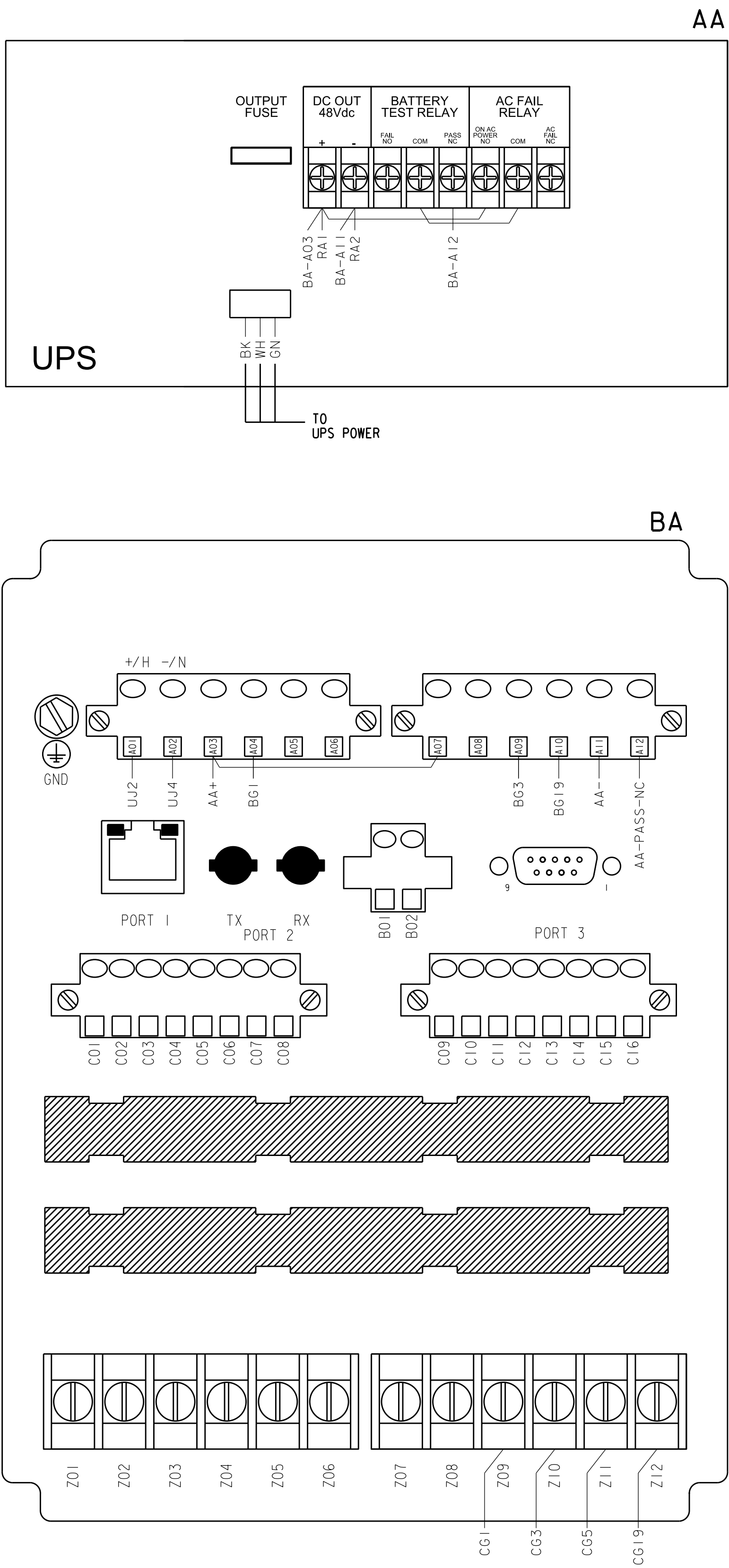


RELAY NOTES:

- 1 RELAY ENFORCES IEEE1547 2018 CATEGORY-III AT THE POINT OF INTERCONNECTION.
- 2 IN THE CASE OF AN ANSI ELEMENT EVENT, THE RELAY WILL
3 SHUNT TRIP THE DISCONNECT SWITCH AND PROVIDE A
4 SOFTWARE 86 LOCKOUT.
- 5 THE RELAY WILL TRIP THE SYSTEM GENERATION IN THE EVENT
6 OF RELAY FAULTS AND/OR BATTERY FAULTS.
- 7 LOCKOUT CAN ONLY BE CLEARED MANUALLY AFTER
8 RESTORATION OF GRID TO ANSI THRESHOLDS.
- 9 PROTECTION SYSTEM TO BE TESTED EVERY 5 YEARS BY AN
10 APPROVED TESTING AGENCY.
- 11 VERIFY UPS AND BATTERY VOLTAGE ARE SAME AS RELAY POWER AND CONTROL VOLTAGE.
12 VERIFY ALARM CONTACT VOLTAGE FROM UPS IS APPROPRIATE FOR RELAY INPUT.
- 13 LABEL SENSING POTENTIAL CUTOUTS AS WELL AS S24 STATUS AND TRIP CUTOUTS
14 WITH PLACARDS MOUNTED ABOVE CUTOUTS.
- 15 SENSING POTENTIAL TEST SWITCH SHALL BE SEPERATE FROM OTHER CUTOUTS.
- 16 ALL WIRES ASSOCIATED WITH RELAY SYSTEM SHALL BE LABELLED AND LANDED ON TERMINAL
17 BOARDS. WIRE NUTS SHALL NOT BE USED IN THIS SCHEME.

NOTES:

1. WITHIN EACH INDIVIDUAL POWERCLERK APPLICATION, A SITE PLAN, ONE LINE, THREE LINE, AND LABEL SHEET SPECIFIC FOR EACH PROJECT WILL NEED TO BE UPLOADED INTO POWERCLERK FOR ENGINEERING REVIEW. IN ADDITION FOR SYSTEMS OVER 1MW A UNIQUE PROTECTION SCHEMATIC WILL BE REQUIRED FOR EACH PROJECT SUBMITTED IN POWER CLERK.
2. SYSTEMS INSTALLED IN AREAS WHERE THE AHJ DOES NOT PROVIDE A CITY CLEARANCE, DESIGN DRAWINGS MUST BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARIZONA. THE CUSTOMER MUST PROVIDE A SIGNED CERTIFICATE-IN-LIEU OF CLEARANCE FOLLOWING COMPLETION OF ALL WORK.



	DOI	04/2023	MCA	MCA	PCM	PCM
REV	PROJECT	DATE	DSGN ENGR	DFTR	DESIGN CH	ISSUE APPROV
NO.						



伊科壹利其 - 表則壹利其

xxx KW DC/ XXXKW AC PV
 RELAY SCHEMATIC DIAGRAM
 ADDRESS LINE 1
 ADDRESS LINE 2

SCALE: NONE

SUBC CODE 0101 001 002 DMC 3171

01 E8 30x42

CLASS III IMW