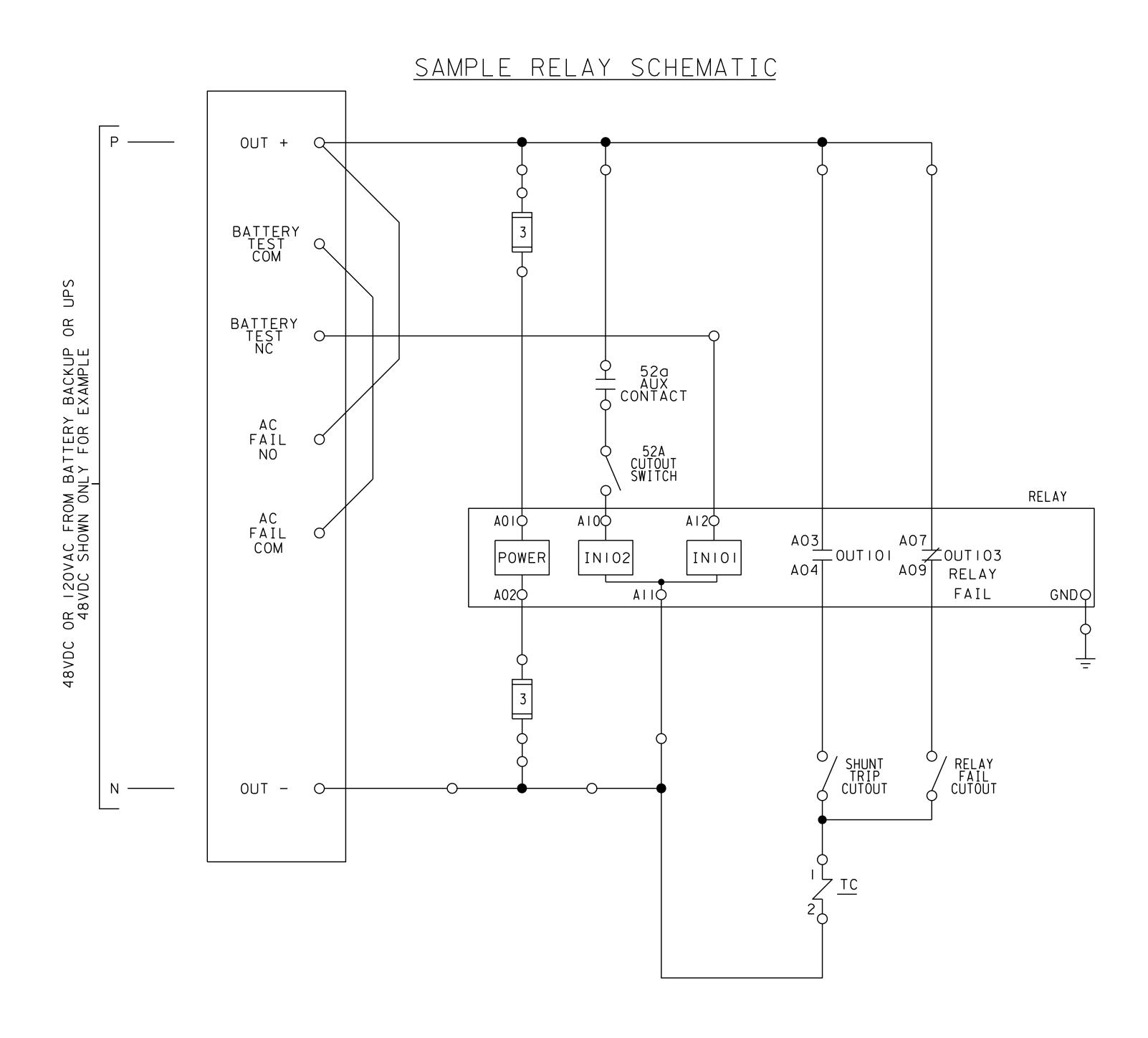
THIS SAMPLE RELAY SCHEMATIC FOR A CLASS III (1MW AND OVER) PV SYSTEM, IS INTENDED TO SHOW THE LEVEL OF DETAIL EXPECTED BY YOUR SRP REVIEWER AND THE DETAIL YOUR INSTALLER WILL NEED TO BUILD CORRECTLY.



RELAY NOTES:

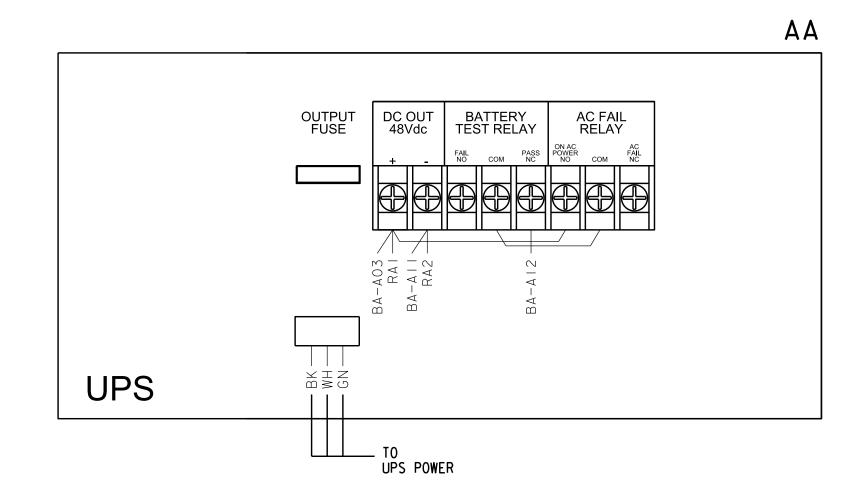
- 1 RELAY ENFORCES IEEE 1547 2018 CATEGORY—III AT THE POINT OF INTERCONNECTION.
- 2 IN THE CASE OF AN ANSI ELEMENT EVENT, THE RELAY WILL SHUNT TRIP THE DISCONNECT SWITCH AND PROVIDE A SOFTWARE 86 LOCKOUT.
- 3 THE RELAY WILL TRIP THE SYSTEM GENERATION IN THE EVENT OF RELAY FAULTS AND/OR BATTERY FAULTS.
- 4 LOCKOUT CAN ONLY BE CLEARED MANUALLY AFTER RESTORATION OF GRID TO ANSI THRESHOLDS.
- 5 PROTECTION SYSTEM TO BE TESTED EVERY 5 YEARS BY AN APPROVED TESTING AGENCY.
- 6 VERIFY UPS AND BATTERY VOLTAGE ARE SAME AS RELAY POWER AND CONTROL VOLTAGE.
 VERIFY ALARM CONTACT VOLTAGE FROM UPS IS APPROPRIATE FOR RELAY INPUT.
- 7 LABLE SENSING POTENTIAL CUTOUTS AS WELL AS 52A STATUS AND TRIP CUTOUTS WITH PLACARDS MOUNTED ABOVE CUTOUTS.
- 8 SENSING POTENTIAL TEST SWITCH SHALL BE SEPERATE FROM OTHER CUTOUTS.
- 9 ALL WIRES ASSOCIATED WITH RELAY SYSTEM SHALL BE LABELLED AND LANDED ON TERMINAL BOARDS. WIRE NUTS SHALL NOT BE USED IN THIS SCHEME.

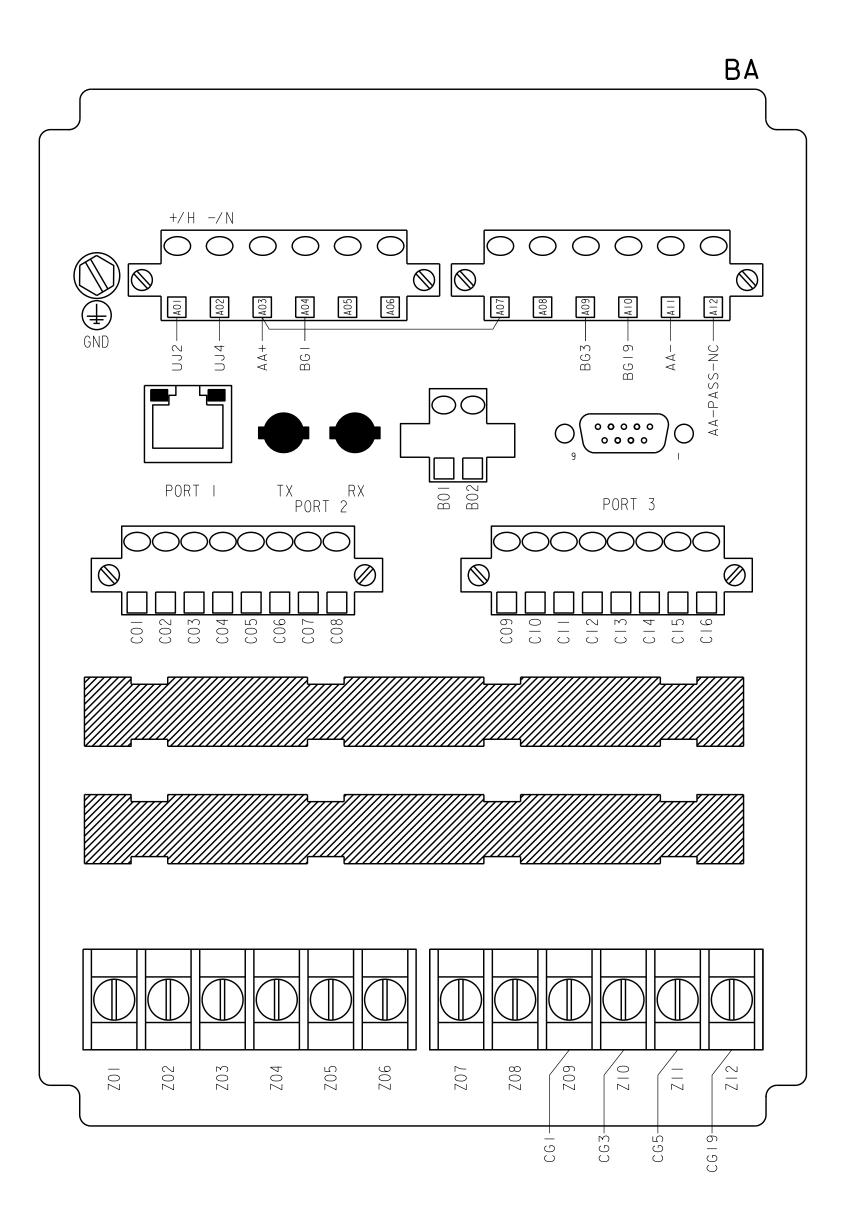
NOTES:

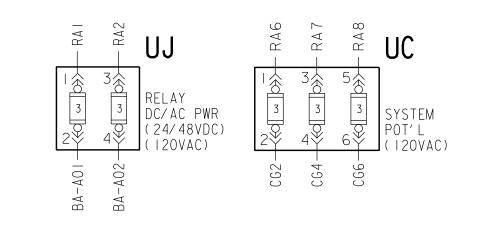
I. WITHIN EACH INDIVIDUAL POWERCLERK APPLICATION, A SITE PLAN, ONE LINE, THREE LINE, AND LABEL SHEET SPECIFIC FOR EACH PROJECT WILL NEED TO BE UPLOADED INTO POWERCLERK FOR ENGINEERING REVIEW. IN ADDITION FOR SYSTEMS OVER IMW A UNIQUE PROTECTION SCHEMATIC WILL BE REQUIRED FOR EACH PROJECT SUBMITTED IN POWER CLERK.

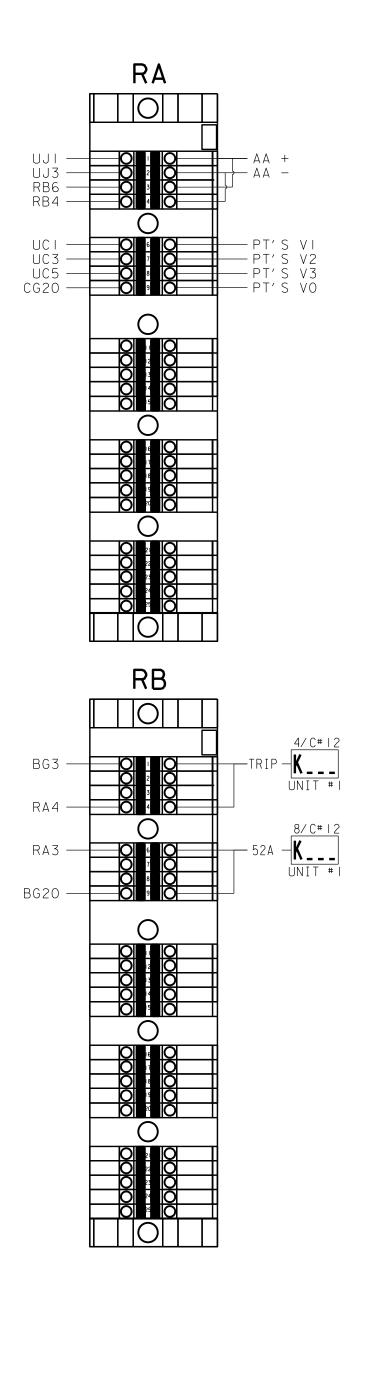
2. SYSTEMS INSTALLED IN AREAS WHERE THE AHJ DOES NOT PROVIDE A CITY CLEARANCE, DESIGN DRAWINGS MUST BE STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARIZONA, AND THE CUSTOMER MUST PROVIDE A SIGNED CERTIFICATE—IN—LIEU OF CLEARANCE FOLLOWING COMPLETION OF ALL WORK.

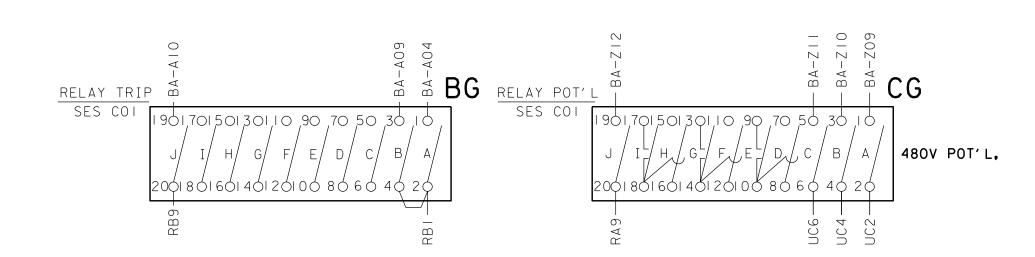
SAMPLE CONNECTION DIAGRAM











	001	04/2023	MCA	MCA	PCM	PCM
REV NO.	PROJECT NO.	DATE	DSGN ENGR	DFTR	DESIGN CHECK	ISSUE APPRVD
PHOENIX - ARIZONA						
			PHO	ENIX	- ARIZO	NA

THIS SAMPLE DRAWING IS FOR ILLUSTRATION PURPOSES ONLY AND IS NOT TO BE USED FOR DESIGN OR CONSTRUCTION. THIS DRAWING AND ITS SUITABILITY FOR END USE IS NOT IMPLIED. THE INTENT IS ONLY TO ILLUSTRATE TYPICAL MINIMUM INFORMATION REQUIRED AT THE TIME OF APPLICATION TO SRP. ADDITIONAL INFORMATION MAY BE REQUIRED.

ADDRES

L
SCALE: NONE
SUBJ CODE DISTR CODE DWG SIZE

ADDRESS LINE I
ADDRESS LINE 2

SCALE: NONE
SUBJ CODE DISTR CODE DWG SIZE
CLASS III IMW