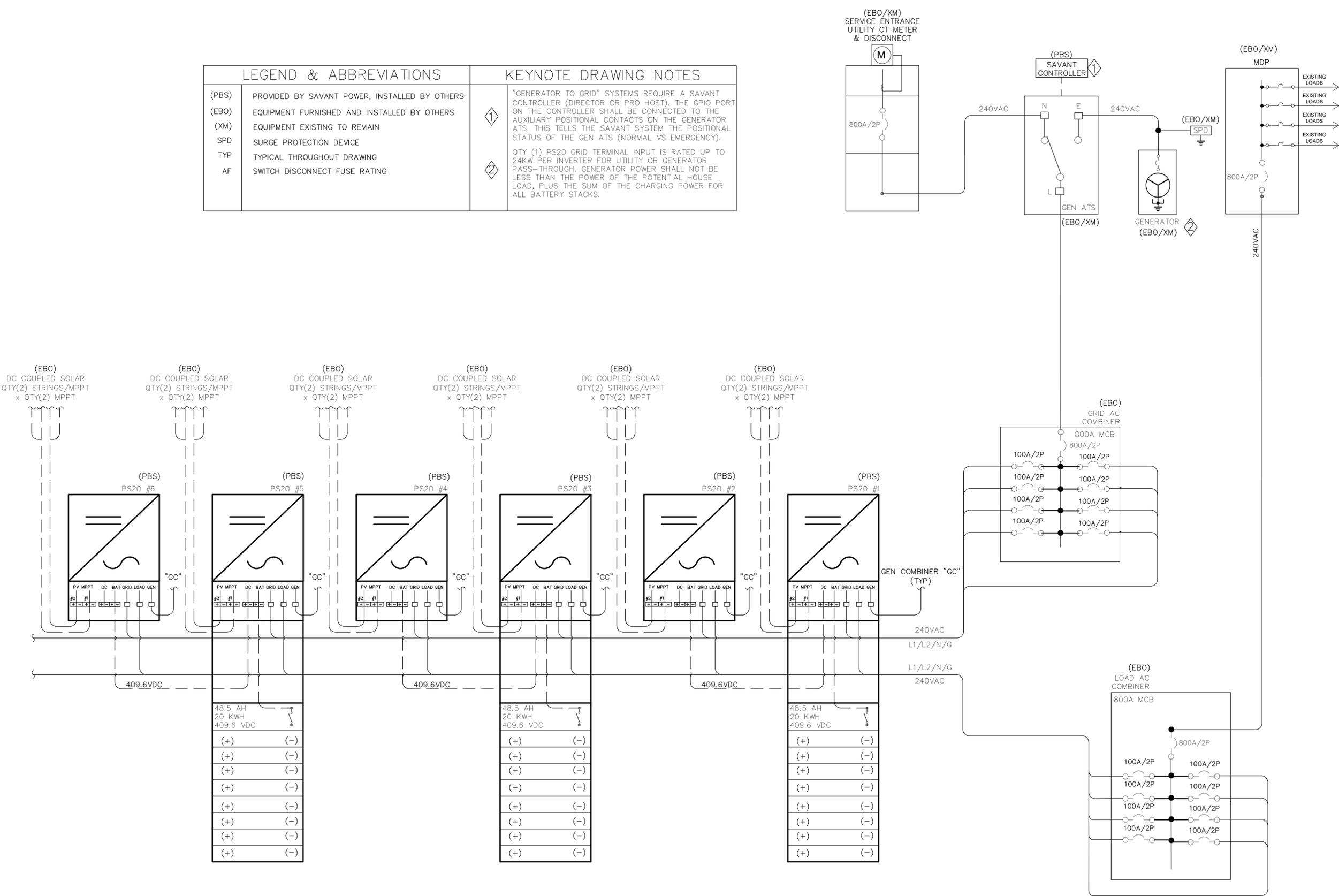




800A POWER STORAGE 20 SYSTEM NOTES

1. 80KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 50KW / 208.3A
3. QTY (16) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (8) 6.25KW AC COUPLED PV INPUT AT GEN TERMINAL
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 192KW / 800A GRID PASS THROUGH
7. CHARGE RATE: 3.25KW / INVERTER  
6.5KW / BATTERY STACK
8. DISCHARGE RATE: 6.25KW / INVERTER  
12.5KW / BATTERY STACK

LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	①	"GENERATOR TO GRID" SYSTEMS REQUIRE A SAVANT CONTROLLER (DIRECTOR OR PRO HOST). THE GPIO PORT ON THE CONTROLLER SHALL BE CONNECTED TO THE AUXILIARY POSITIONAL CONTACTS ON THE GENERATOR ATS. THIS TELLS THE SAVANT SYSTEM THE POSITIONAL STATUS OF THE GEN ATS (NORMAL VS EMERGENCY).
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS		②
(XM)	EQUIPMENT EXISTING TO REMAIN		
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



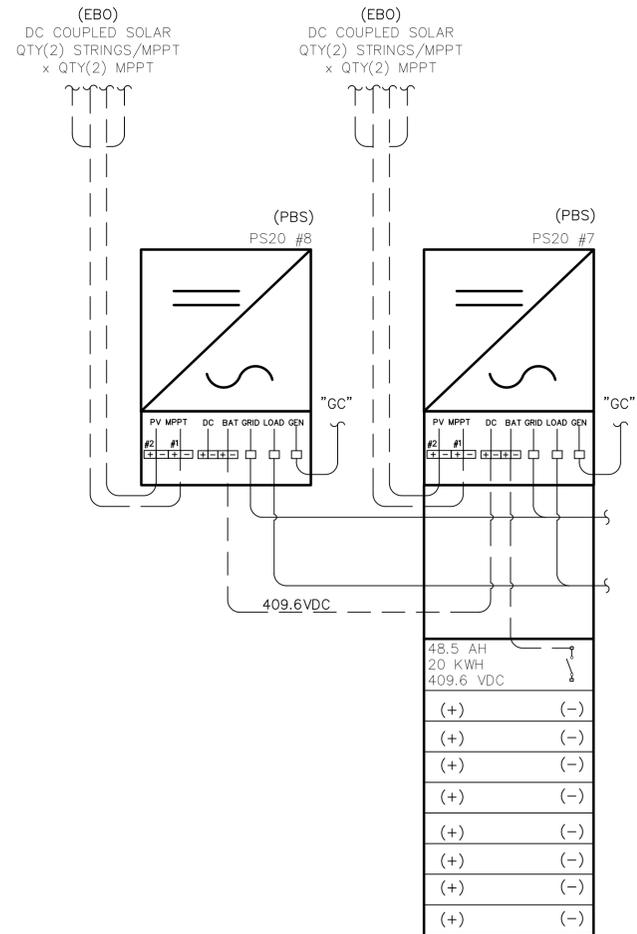
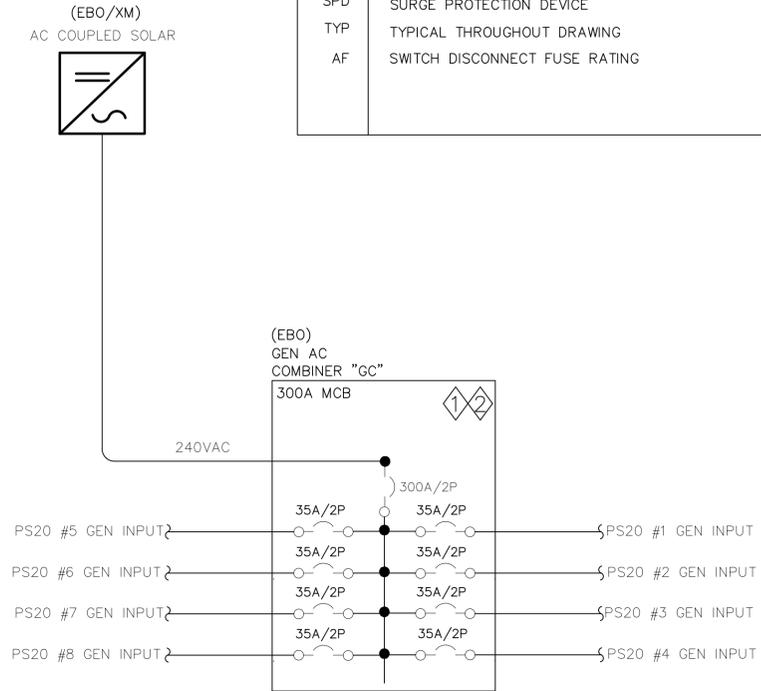
PS20\_GEN TO GRID\_12\_10\_2025\_V00\_R00.DWG

INTER-DISCIPLINE REVIEW														DSGN			SAVANT POWER			JOB NUMBER		REV				
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT																				
DATE	*	*	*	*	*	*																				
INIT	*	*	*	*	*	*																				
REV	00 VERSION 00						12-10-2025	MAW																		
	REVISIONS						DATE	DRN	DSGN	CKD	APPD	SCALE: AS NOTED			CERTIFICATE OF REGISTRATION NO. X-0000			DRAWING NUMBER			009-2599-00					
																		RESIDENTIAL MICROGRID			800A: 50KW - 80KWH ESS		PS20 ONELINE DIAGRAM (120/240V)			

800A POWER STORAGE 20 SYSTEM NOTES

- 80KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 50KW / 208.3A
- QTY (16) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
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6.5KW / BATTERY STACK
- DISCHARGE RATE: 6.25KW / INVERTER  
12.5KW / BATTERY STACK

LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	①	OCPD SIZING ON THIS CONCEPT DRAWING SHOWS THE MAXIMUM ALLOWABLE SIZE FOR THIS PS20 CONFIGURATION. ENGINEER OF RECORD TO SIZE OCPD AND CABLE SIZES ACCORDING TO SITE CONDITIONS AND LATEST NEC CODE. SEE GENERAL NOTES SHEET FOR ADDITIONAL DESIGN GUIDANCE.
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS		
(XM)	EQUIPMENT EXISTING TO REMAIN	②	QTY (1) PS20 GEN TERMINAL INPUT IS RATED UP TO 12.5KW AC SOLAR PER BATTERY STACK. OFF GRID FREQUENCY SHIFTING IS AN INCLUDED FUNCTION ON THE GEN TERMINAL TO TURN AC SOLAR FEEDS ON OR OFF.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



PS20\_GEN TO GRID\_12\_10\_2025\_V00\_R00.DWG

INTER-DISCIPLINE REVIEW														DSGN			SAVANT POWER			JOB NUMBER		REV				
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT																				
DATE	*	*	*	*	*	*																				
INIT	*	*	*	*	*	*																				
REV	00	VERSION 00						12-10-2025	MAW																	
		REVISIONS						DATE	DRN	DSGN	CKD	APPD	SCALE: AS NOTED			CERTIFICATE OF REGISTRATION NO. X-0000			RESIDENTIAL MICROGRID			DRAWING NUMBER		REV		
																			009-2600-00		00					
																800A: 50KW - 80KWH ESS PS20 ONELINE DIAGRAM (120/240V)										