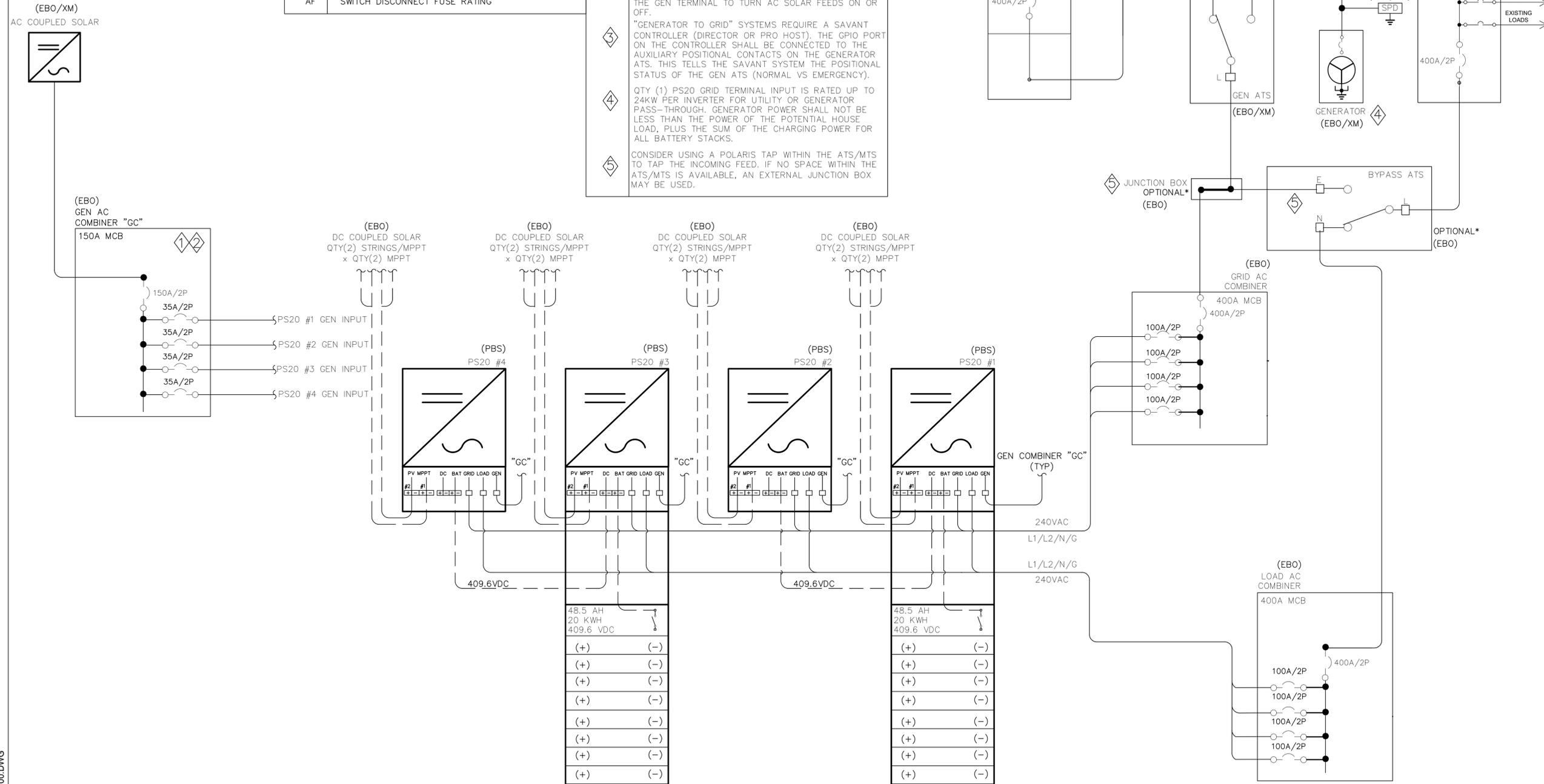


400A POWER STORAGE 20 SYSTEM NOTES

1. 40KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 25KW / 104A
3. QTY (8) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (4) 6.25KW AC COUPLED PV INPUT AT GEN TERMINAL MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
5. 96KW / 400A GRID PASS THROUGH
6. CHARGE RATE: 3.25KW / INVERTER
7. 6.5KW / BATTERY STACK
8. DISCHARGE RATE: 6.25KW / INVERTER
9. 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	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.
(XM)	EQUIPMENT EXISTING TO REMAIN	3	"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).
SPD	SURGE PROTECTION DEVICE	4	QTY (1) PS20 GRID TERMINAL INPUT IS RATED UP TO 24KW PER INVERTER FOR UTILITY OR GENERATOR PASS-THROUGH. GENERATOR POWER SHALL NOT BE LESS THAN THE POWER OF THE POTENTIAL HOUSE LOAD, PLUS THE SUM OF THE CHARGING POWER FOR ALL BATTERY STACKS.
TYP	TYPICAL THROUGHOUT DRAWING	5	CONSIDER USING A POLARIS TAP WITHIN THE ATS/MTS TO TAP THE INCOMING FEED. IF NO SPACE WITHIN THE ATS/MTS IS AVAILABLE, AN EXTERNAL JUNCTION BOX MAY BE USED.
AF	SWITCH DISCONNECT FUSE RATING		



PS20_GEN TO GRID_12_10_2025_V00_R00.DWG

INTER-DISCIPLINE REVIEW							REVISIONS					DSGN			SAVANT POWER		JOB NUMBER		REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	00	VERSION 00	12-10-2025	MAW					DRN	MAW	12-10-2025		
DATE	*	*	*	*	*	*									CKD	JP			
INIT	*	*	*	*	*	*													
										SCALE: AS NOTED			CERTIFICATE OF REGISTRATION NO. X-0000		DRAWING NUMBER		REV		
													RESIDENTIAL MICROGRID		009-2583-00		00		
													400A: 25KW - 40KWH ESS PS20 ONLINE DIAGRAM (120/240V)						