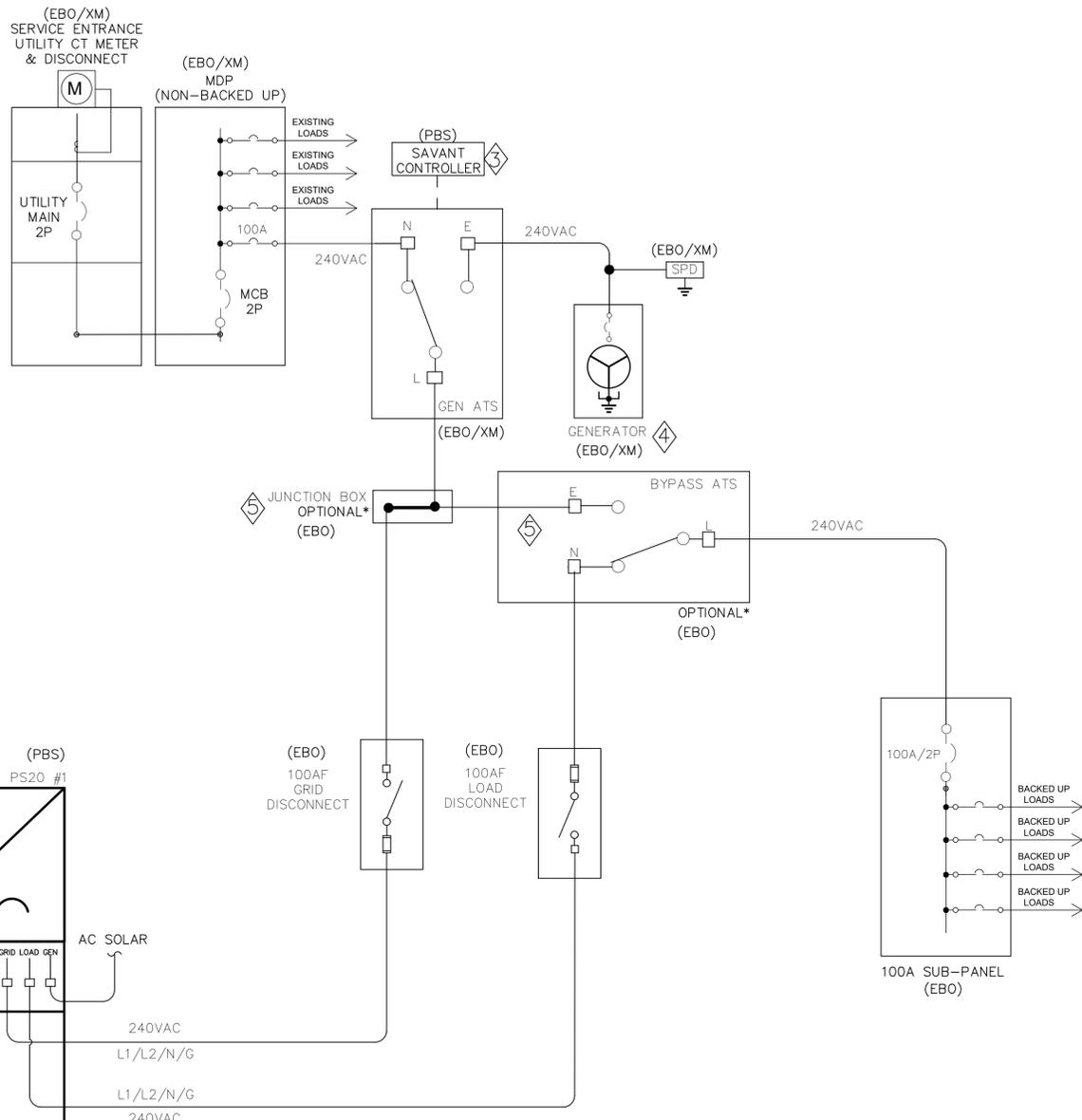
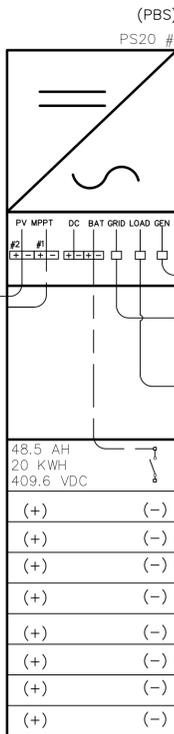
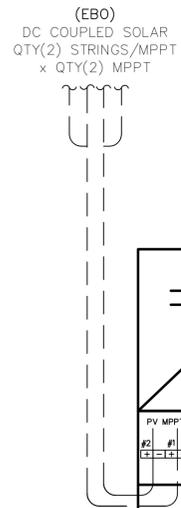
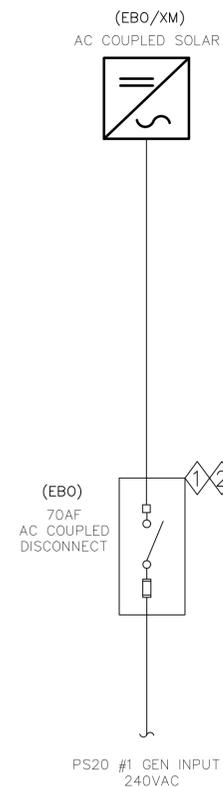




100A POWER STORAGE 20 SYSTEM NOTES

1. 20KWH RATED ENERGY STORAGE
2. 12.5KW / 52A OFFGRID CONTINUOUS
3. QTY (2) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (1) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 24KW / 100A GRID PASS THROUGH
7. CHARGE RATE: 6.5KW / INVERTER
8. DISCHARGE RATE: 12.5KW / INVERTER

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		



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INTER-DISCIPLINE REVIEW							REVISIONS							DSGN			SAVANT POWER			JOB NUMBER		REV	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	REV	VERSION	DATE	DRN	DSGN	CKD	APPD	DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID			DRAWING NUMBER		REV	
	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW					JP		100A: 12.5KW - 20KWH PARTIAL BACKUP ESS PS20 ONELINE DIAGRAM (120/240V)			009-2575-00		00	
DATE																	CERTIFICATE OF REGISTRATION NO. X-0000						
INIT																							

LEGEND & ABBREVIATIONS	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS
(XM)	EQUIPMENT EXISTING TO REMAIN
SPD	SURGE PROTECTION DEVICE
TYP	TYPICAL THROUGHOUT DRAWING
AF	SWITCH DISCONNECT FUSE RATING

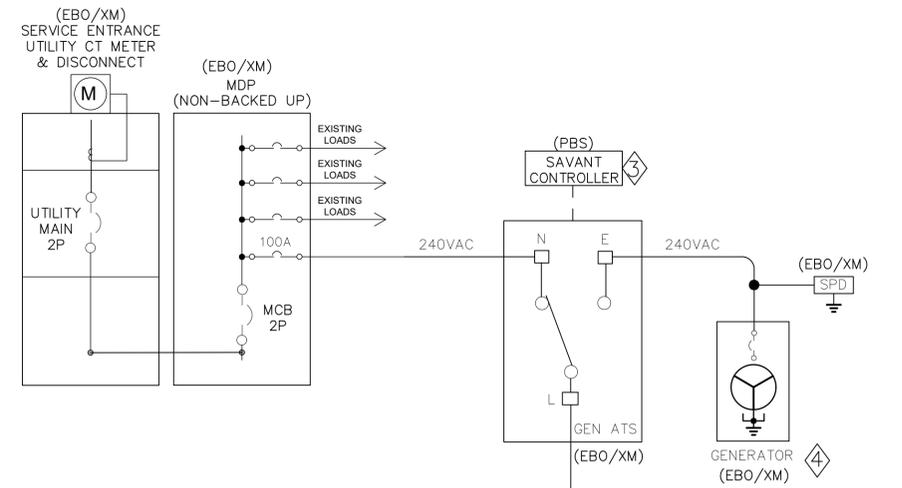
**KEYNOTE DRAWING NOTES**

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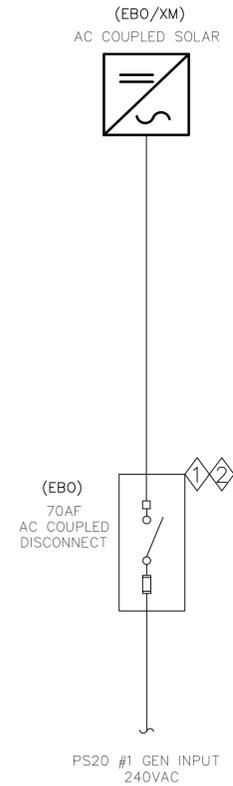
2 QTY (1) PS20 GEN TERMINAL INPUT IS RATED UP TO 12.5KW AC SOLAR PER BATTERY STACK. OFF GRID FREQUENCY SHIFTING IS AN INCLUDED FUNCTION ON THE GEN TERMINAL TO TURN AC SOLAR FEEDS ON OR OFF.

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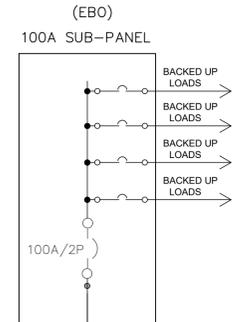
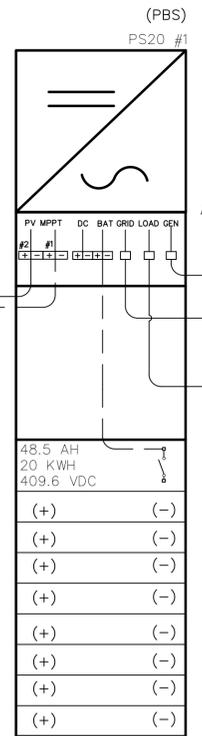
4 QTY (1) PS20 GRID TERMINAL INPUT IS RATED UP TO 24KW PER INVERTER FOR UTILITY OR GENERATOR PASS-THROUGH. GENERATOR POWER SHALL NOT BE LESS THAN THE POWER OF THE POTENTIAL HOUSE LOAD, PLUS THE SUM OF THE CHARGING POWER FOR ALL BATTERY STACKS.



- 100A POWER STORAGE 20 SYSTEM NOTES**
- 20KWH RATED ENERGY STORAGE
  - 12.5KW / 52A OFFGRID CONTINUOUS
  - QTY (2) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
  - QTY (1) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL
  - MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
  - 24KW / 100A GRID PASS THROUGH
  - CHARGE RATE: 6.5KW / INVERTER
  - DISCHARGE RATE: 12.5KW / INVERTER



(EBO) DC COUPLED SOLAR QTY(2) STRINGS/MPPT x QTY(2) MPPT



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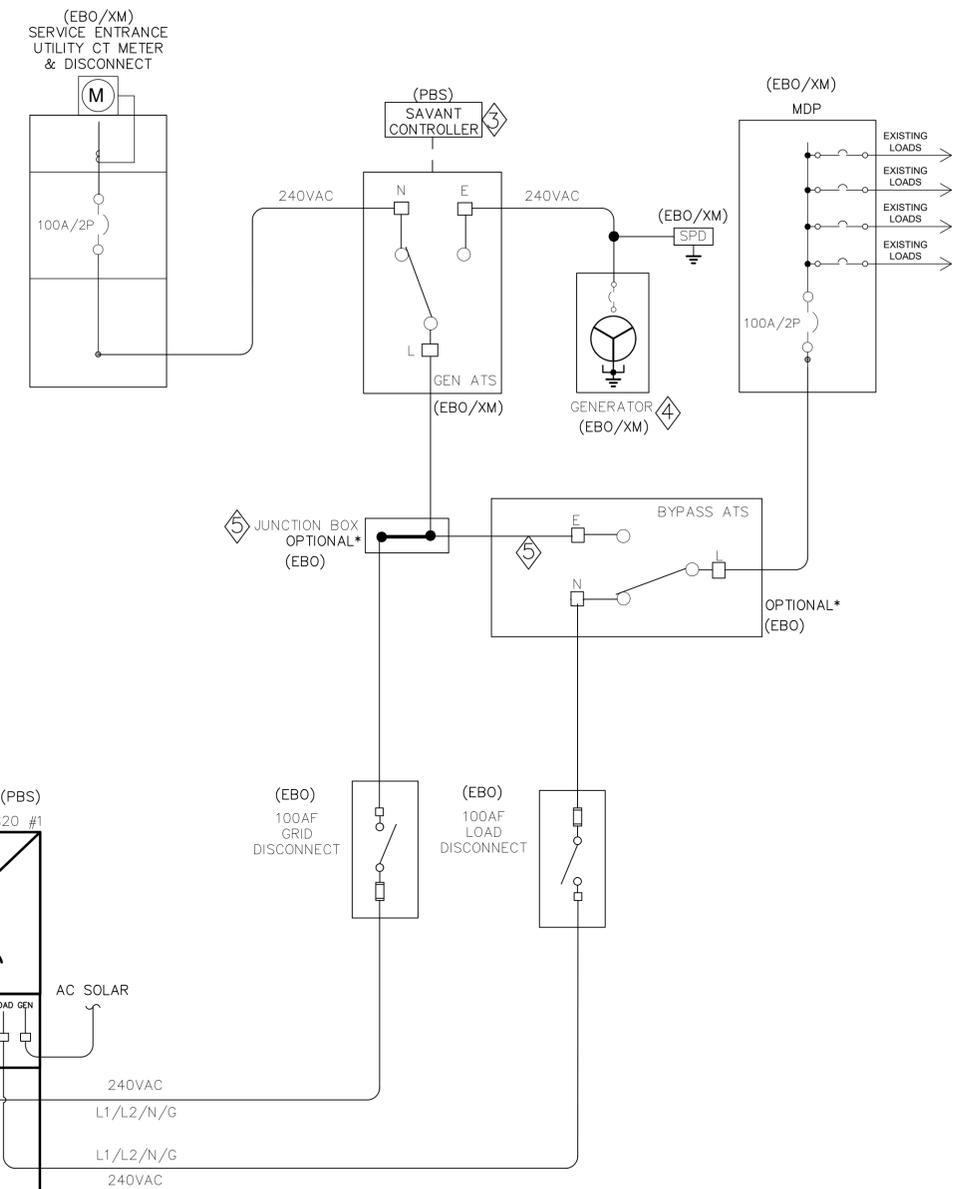
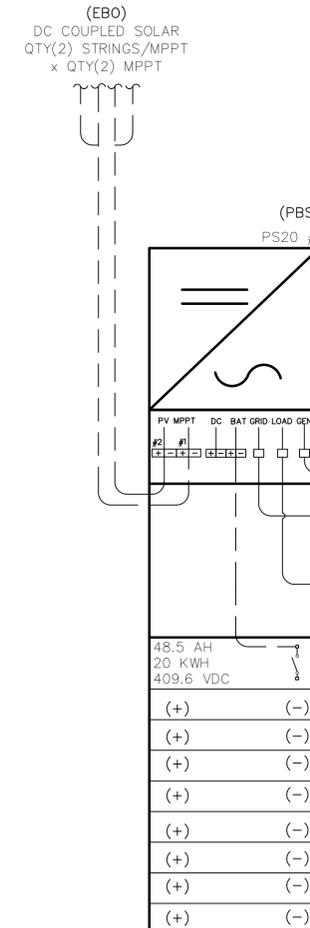
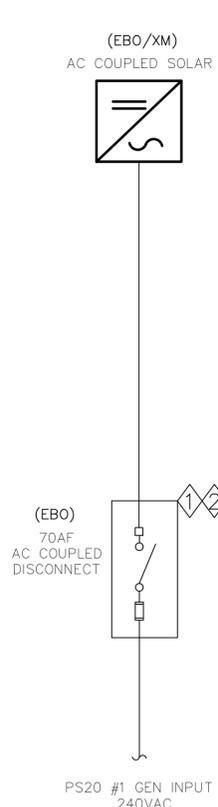
INTER-DISCIPLINE REVIEW														DSGN			SAVANT POWER		JOB NUMBER		REV	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT									DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID		-		00
DATE	*	*	*	*	*	*									CKD	JP	SCALE: AS NOTED		DRAWING NUMBER		009-2576-00	
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW								100A: 12.5KW - 20KWH PARTIAL BACKUP ESS PS20 ONELINE DIAGRAM (120/240V)		009-2576-00		
REV	REVISIONS							DATE	DRN	DSGN	CKD	APPD										

CERTIFICATE OF REGISTRATION NO. X-0000

100A POWER STORAGE 20 SYSTEM NOTES

1. 20KWH RATED ENERGY STORAGE
2. 12.5KW / 52A OFFGRID CONTINUOUS
3. QTY (2) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
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6. 24KW / 100A GRID PASS THROUGH
7. CHARGE RATE: 6.5KW / INVERTER
8. DISCHARGE RATE: 12.5KW / INVERTER

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).
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AF	SWITCH DISCONNECT FUSE RATING		



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INTER-DISCIPLINE REVIEW							DSGN	MAW	12-10-2025	SAVANT POWER	JOB NUMBER	REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT						
DATE	*	*	*	*	*	*	DRN	JP		RESIDENTIAL MICROGRID		
INIT	*	*	*	*	*	*	CKD		SCALE: AS NOTED	100A: 12.5KW - 20KWH ESS PS20 ONELINE DIAGRAM (120/240V)	DRAWING NUMBER	
REV	00	VERSION 00		12-10-2025	MAW		APPD				009-2573-00	
		REVISIONS		DATE	DRN	DSGN	CKD	APPD				

CERTIFICATE OF REGISTRATION NO. X-0000

LEGEND & ABBREVIATIONS	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS
(XM)	EQUIPMENT EXISTING TO REMAIN
SPD	SURGE PROTECTION DEVICE
TYP	TYPICAL THROUGHOUT DRAWING
AF	SWITCH DISCONNECT FUSE RATING

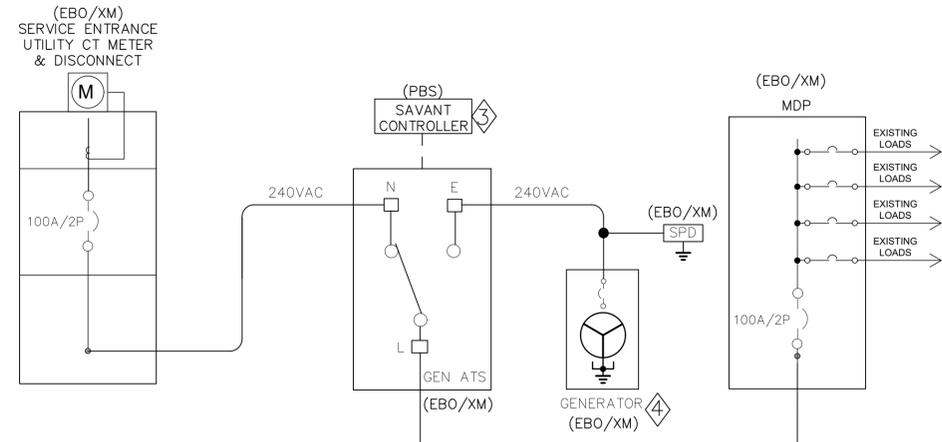
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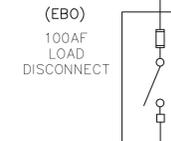
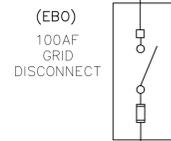
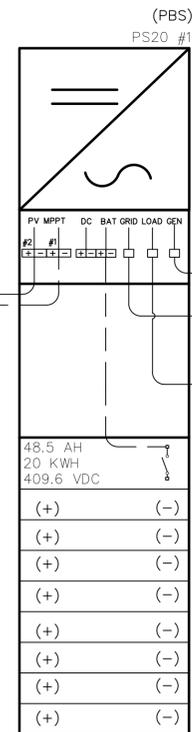
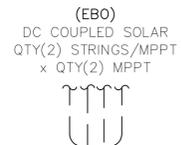
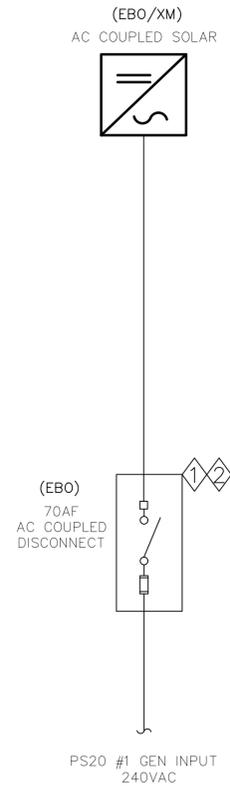
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**100A POWER STORAGE 20 SYSTEM NOTES**

- 20KWH RATED ENERGY STORAGE
- 12.5KW / 52A OFFGRID CONTINUOUS
- QTY (2) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (1) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 24KW / 100A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER



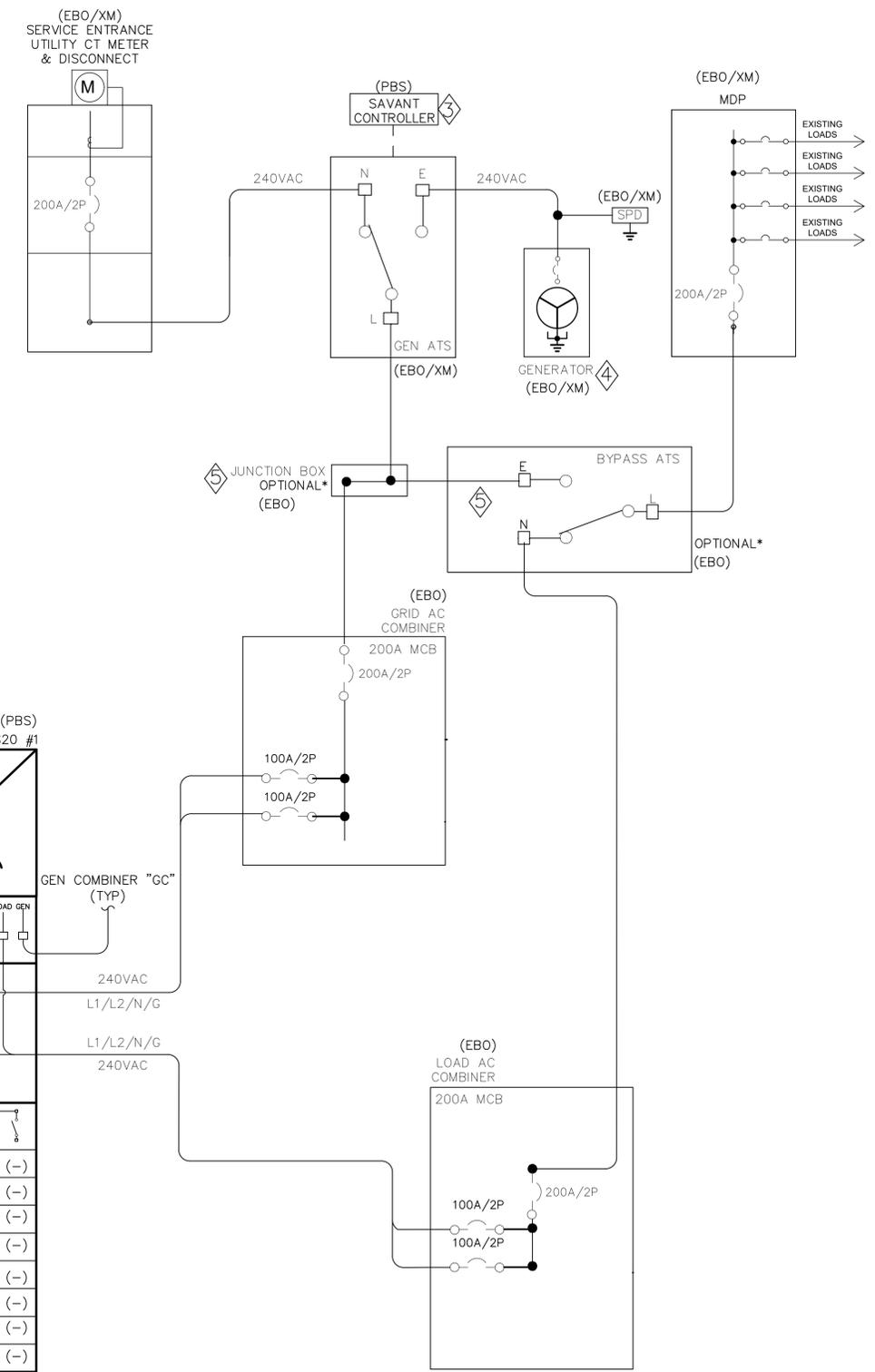
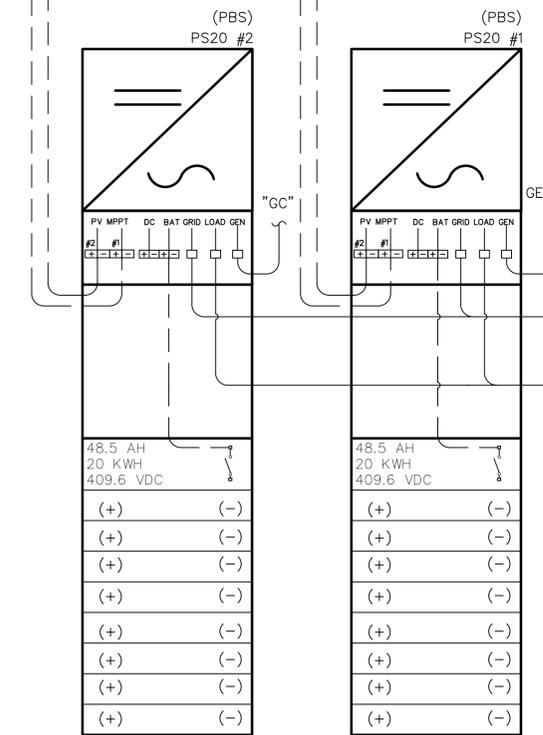
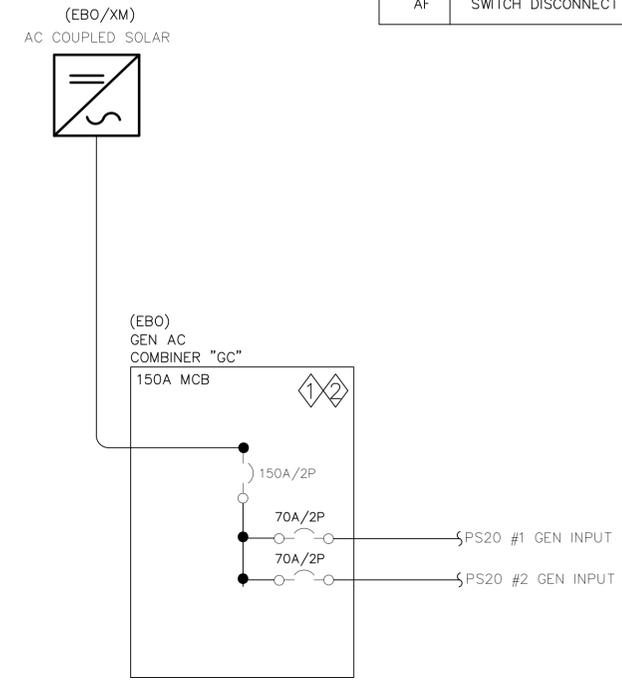
PS20\_GEN TO GRID\_12\_10\_2025\_V00\_R00.DWG

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																		
															MAW	12-10-2025				-		00				
															CKD	JP				DRAWING NUMBER		009-2574-00				
															SCALE: AS NOTED			CERTIFICATE OF REGISTRATION NO. X-0000		100A: 12.5KW - 20KWH ESS PS20 ONELINE DIAGRAM (120/240V)						

200A POWER STORAGE 20 SYSTEM NOTES

1. 40KWH RATED ENERGY STORAGE
2. 25KW / 104A OFFGRID CONTINUOUS
3. QTY (4) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (2) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK THROUGH
6. 48KW / 200A GRID PASS THROUGH
7. CHARGE RATE: 6.5KW / INVERTER
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LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
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AF	SWITCH DISCONNECT FUSE RATING		



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

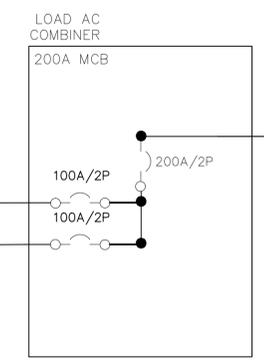
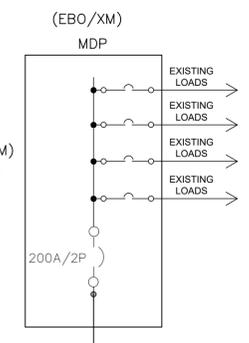
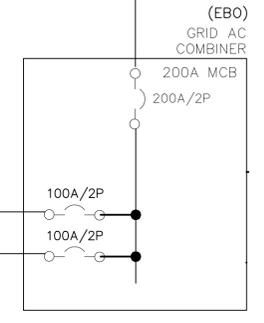
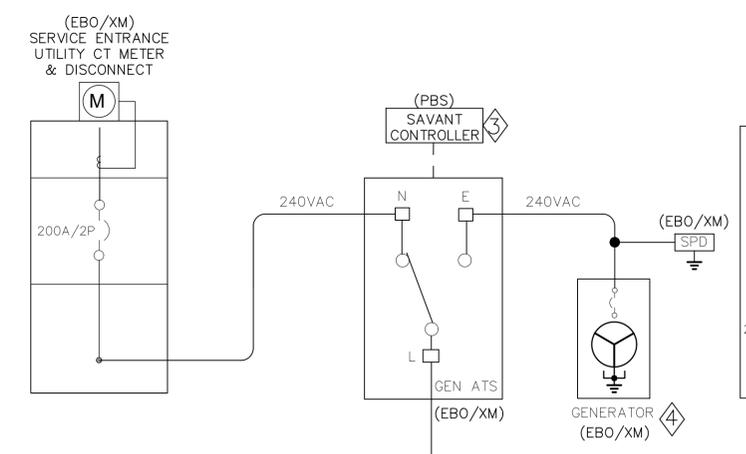
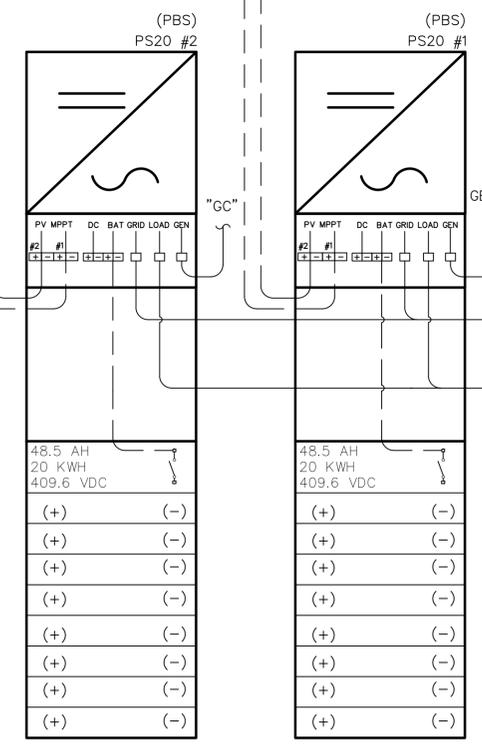
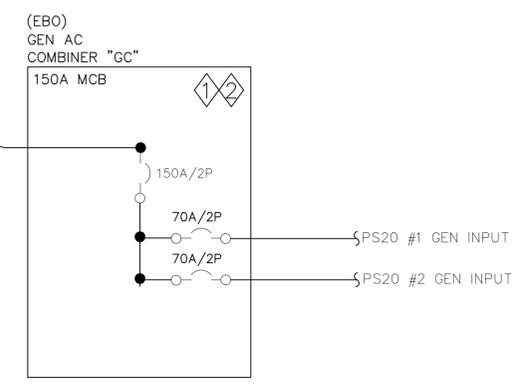
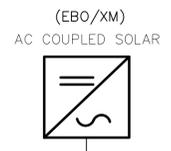
INTER-DISCIPLINE REVIEW											DSGN			SAVANT POWER		JOB NUMBER	REV	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT						DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID			
DATE	*	*	*	*	*	*						CKD	JP				DRAWING NUMBER	
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW		SCALE: AS NOTED			200A: 25KW - 40KWH ESS PS20 ONELINE DIAGRAM (120/240V)		009-2577-00	
REV	REVISIONS			DATE	DRN	DSGN	CKD	APPD										CERTIFICATE OF REGISTRATION NO. X-0000



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

LEGEND & ABBREVIATIONS	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS
(XM)	EQUIPMENT EXISTING TO REMAIN
SPD	SURGE PROTECTION DEVICE
TYP	TYPICAL THROUGHOUT DRAWING
AF	SWITCH DISCONNECT FUSE RATING

KEYNOTE DRAWING NOTES	
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**200A POWER STORAGE 20 SYSTEM NOTES**

- 40KWH RATED ENERGY STORAGE
- 25KW / 104A OFFGRID CONTINUOUS
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INTER-DISCIPLINE REVIEW						
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT
DATE	*	*	*	*	*	*
INIT	*	*	*	*	*	*

REV	VERSION	DATE	DRN	DSGN	CKD	APPD
00	VERSION 00	12-10-2025	MAW			

DSGN	MAW	12-10-2025
DRN	JP	
CKD		
SCALE: AS NOTED		

CERTIFICATE OF REGISTRATION NO. X-0000

SAVANT POWER
RESIDENTIAL MICROGRID
200A: 25KW - 40KWH ESS PS20 ONELINE DIAGRAM (120/240V)

JOB NUMBER	REV
	00
DRAWING NUMBER	
009-2578-00	

200A POWER STORAGE 20 SYSTEM NOTES

1. 20KWH RATED ENERGY STORAGE
2. OFF GRID CONTINUOUS: 12.5KW / 52A.
3. QTY (4) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (2) 6.25KW AC COUPLED PV INPUT AT GEN TERMINAL
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 48KW / 200A 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**

(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS
(XM)	EQUIPMENT EXISTING TO REMAIN
SPD	SURGE PROTECTION DEVICE
TYP	TYPICAL THROUGHOUT DRAWING
AF	SWITCH DISCONNECT FUSE RATING

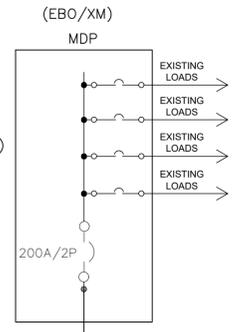
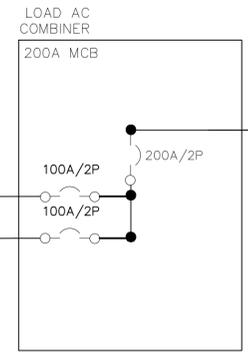
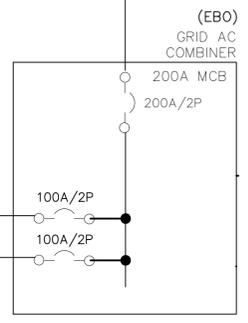
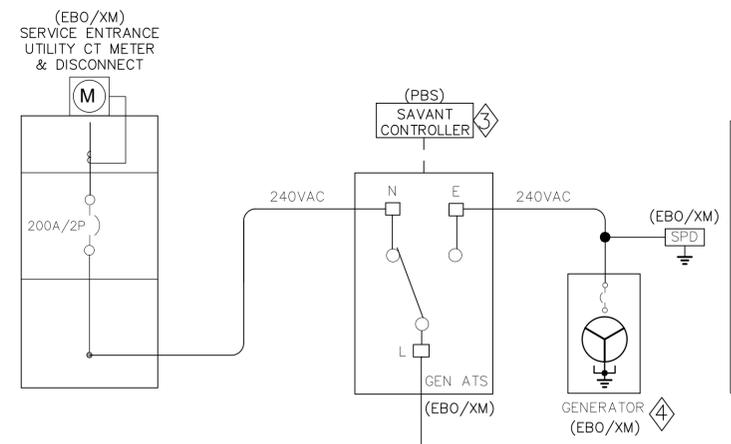
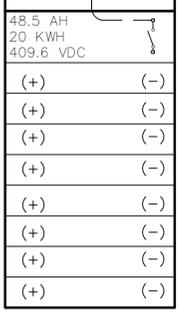
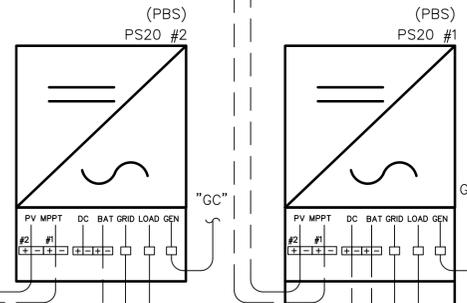
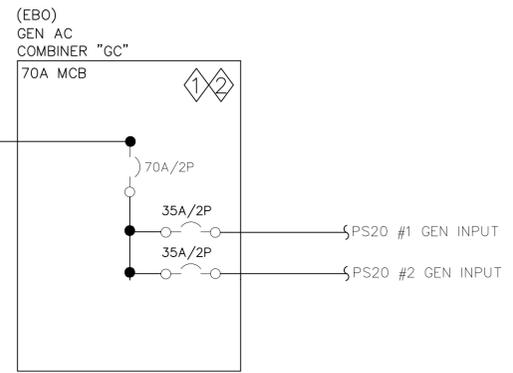
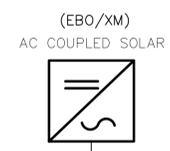
**KEYNOTE DRAWING NOTES**

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.

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.

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).

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.



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

INTER-DISCIPLINE REVIEW

DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT
DATE	*	*	*	*	*	*
INIT	*	*	*	*	*	*

00	VERSION 00	12-10-2025	MAW						
REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD			

DSGN	MAW	12-10-2025
DRN	JP	
CKD		
SCALE:	AS NOTED	

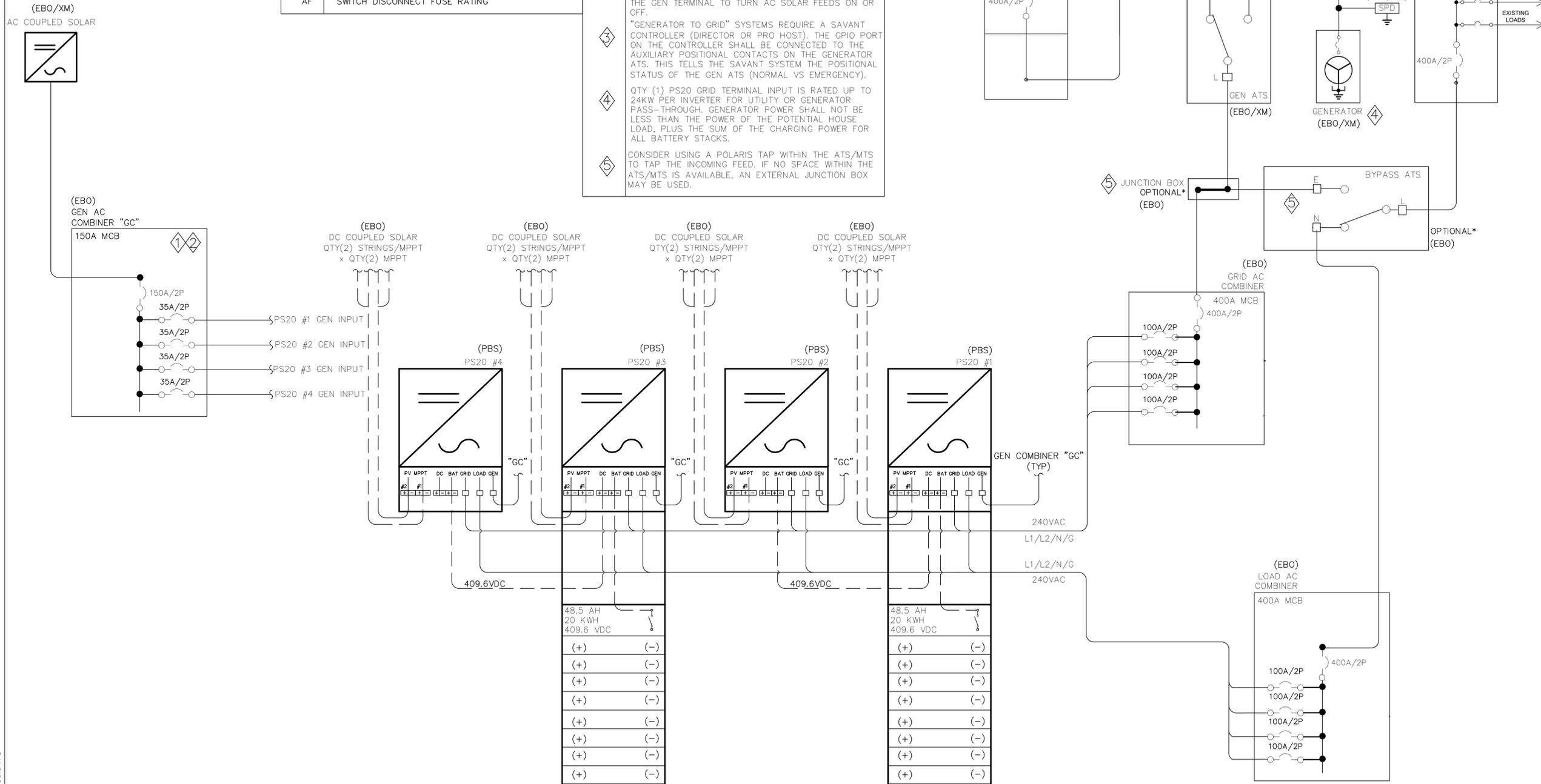
CERTIFICATE OF REGISTRATION NO. X-0000

SAVANT POWER	JOB NUMBER	REV
RESIDENTIAL MICROGRID	-	00
200A: 12.5KW - 20KWH ESS PS20 ONELINE DIAGRAM (120/240V)	DRAWING NUMBER	
	009-2580-00	



- 40KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 25KW / 104A
- QTY (8) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (4) 6.25KW AC COUPLED PV INPUT AT GEN TERMINAL MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 96KW / 400A GRID PASS THROUGH
- CHARGE RATE: 3.25KW / INVERTER  
6.5KW / BATTERY STACK
- DISCHARGE RATE: 6.25KW / INVERTER  
12.5KW / BATTERY STACK

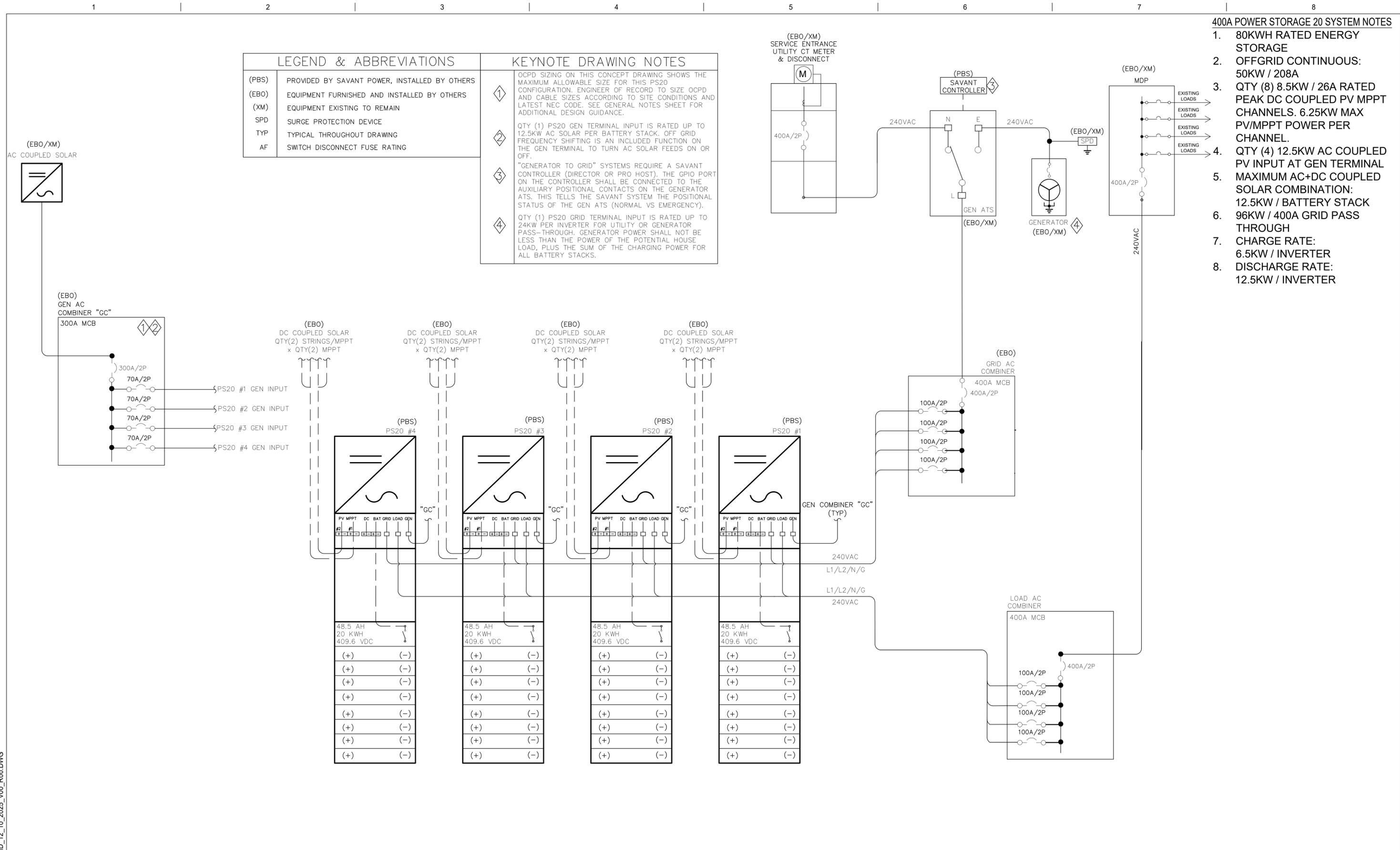
LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	1	OCPD SIZING ON THIS CONCEPT DRAWING SHOWS THE MAXIMUM ALLOWABLE SIZE FOR THIS PS20 CONFIGURATION. ENGINEER OF RECORD TO SIZE OCPD AND CABLE SIZES ACCORDING TO SITE CONDITIONS AND LATEST NEC CODE. SEE GENERAL NOTES SHEET FOR ADDITIONAL DESIGN GUIDANCE.
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS	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)						

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



LEGEND & ABBREVIATIONS	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS
(XM)	EQUIPMENT EXISTING TO REMAIN
SPD	SURGE PROTECTION DEVICE
TYP	TYPICAL THROUGHOUT DRAWING
AF	SWITCH DISCONNECT FUSE RATING

KEYNOTE DRAWING NOTES	
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.
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.
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).
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.

**400A POWER STORAGE 20 SYSTEM NOTES**

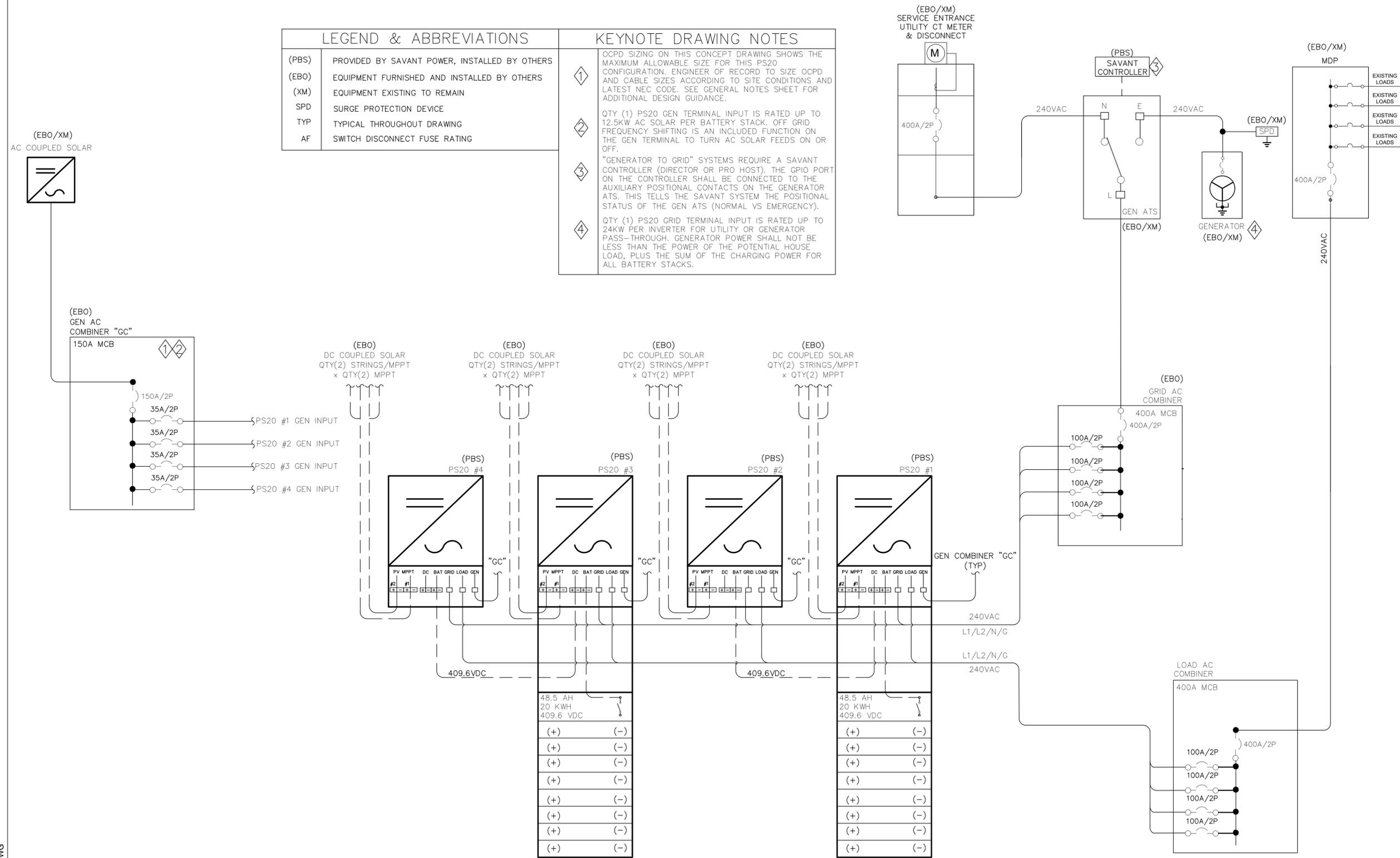
- 80KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 50KW / 208A
- QTY (8) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (4) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 96KW / 400A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER

INTER-DISCIPLINE REVIEW							00 VERSION 00	12-10-2025	MAW	DSGN	CKD	APPD	SCALE: AS NOTED	CERTIFICATE OF REGISTRATION NO. X-0000	SAVANT POWER		JOB NUMBER	REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT									RESIDENTIAL MICROGRID	-	00	
DATE	*	*	*	*	*	*									DRAWING NUMBER		009-2582-00	
INIT	*	*	*	*	*	*									400A: 50KW - 80KWH ESS PS20 ONLINE DIAGRAM (120/240V)			
REVISIONS							REVISIONS	DATE	DRN	DSGN	CKD	APPD						

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
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	OCPP SIZING ON THIS CONCEPT DRAWING SHOWS THE MAXIMUM ALLOWABLE SIZE FOR THIS PS20 CONFIGURATION. ENGINEER OF RECORD TO SIZE OCPP 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		
AF	SWITCH DISCONNECT FUSE RATING		



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

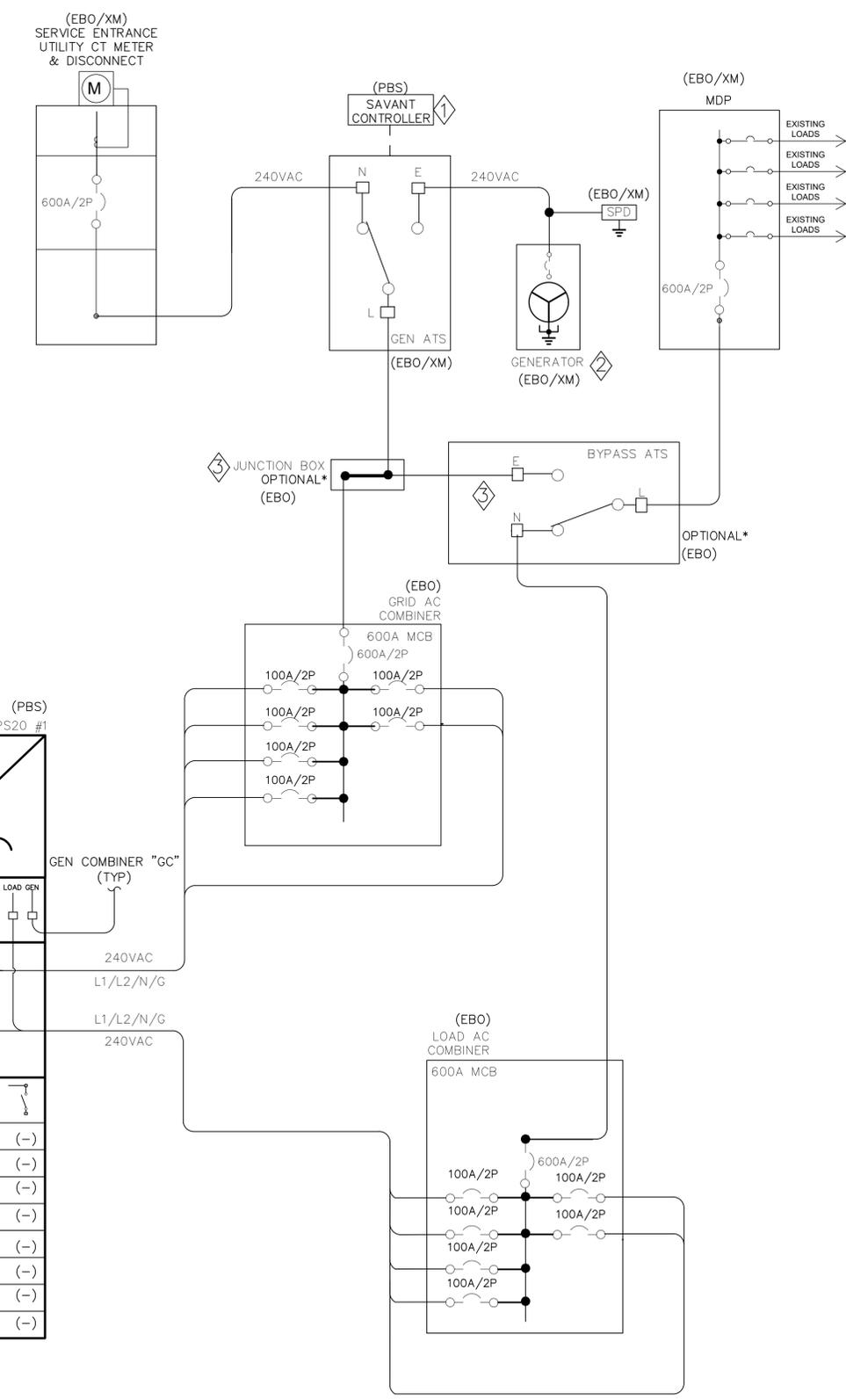
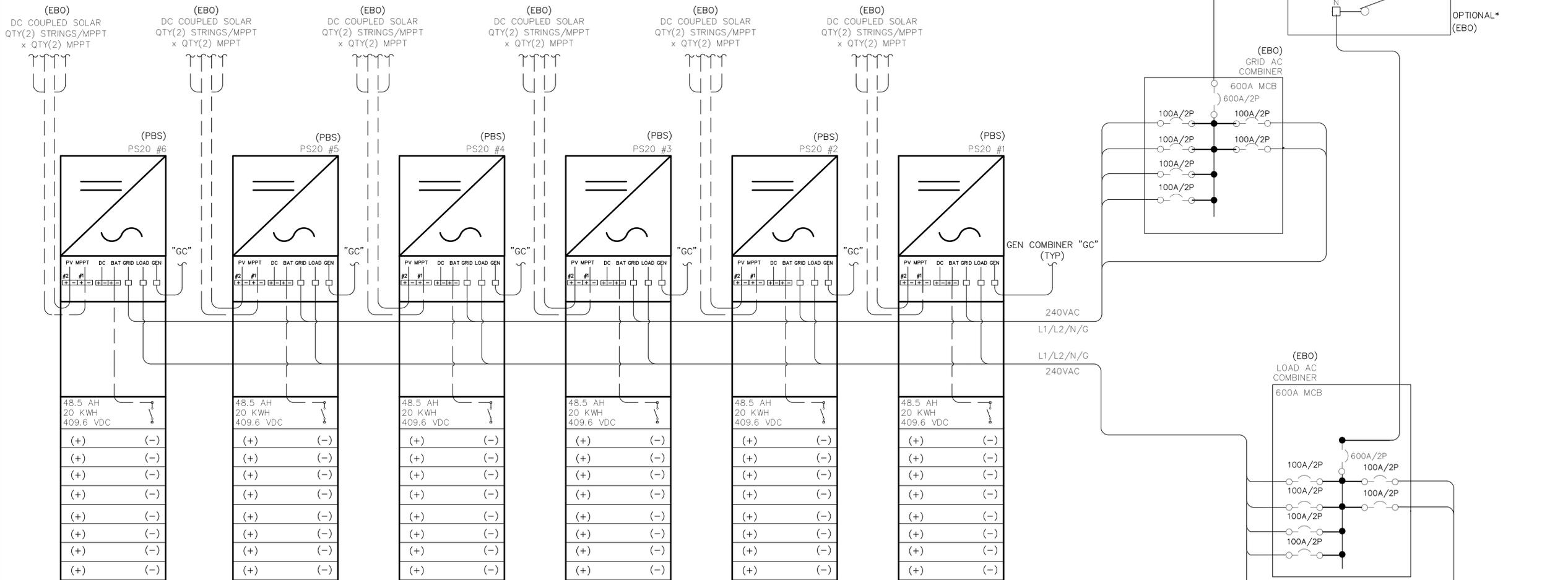
INTER-DISCIPLINE REVIEW														DSGN			SAVANT POWER		JOB NUMBER	REV	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT									DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID			
DATE	*	*	*	*	*	*									CKD	JP				DRAWING NUMBER	
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW					SCALE: AS NOTED		400A: 25KW - 40KWH ESS PS20 ONELINE DIAGRAM (120/240V)		009-2584-00		
REV	REVISIONS						DATE	DRN	DSGN	CKD	APPD										

CERTIFICATE OF REGISTRATION NO. X-0000

600A POWER STORAGE 20 SYSTEM NOTES

1. 120KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 75KW / 312.5A
3. QTY (12) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (6) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
5. 144KW / 600A GRID PASS THROUGH
7. CHARGE RATE: 6.5KW / INVERTER
8. DISCHARGE RATE: 12.5KW / INVERTER

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		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.
(XM)	EQUIPMENT EXISTING TO REMAIN		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.
SPD	SURGE PROTECTION DEVICE	②	
TYP	TYPICAL THROUGHOUT DRAWING	③	
AF	SWITCH DISCONNECT FUSE RATING		



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

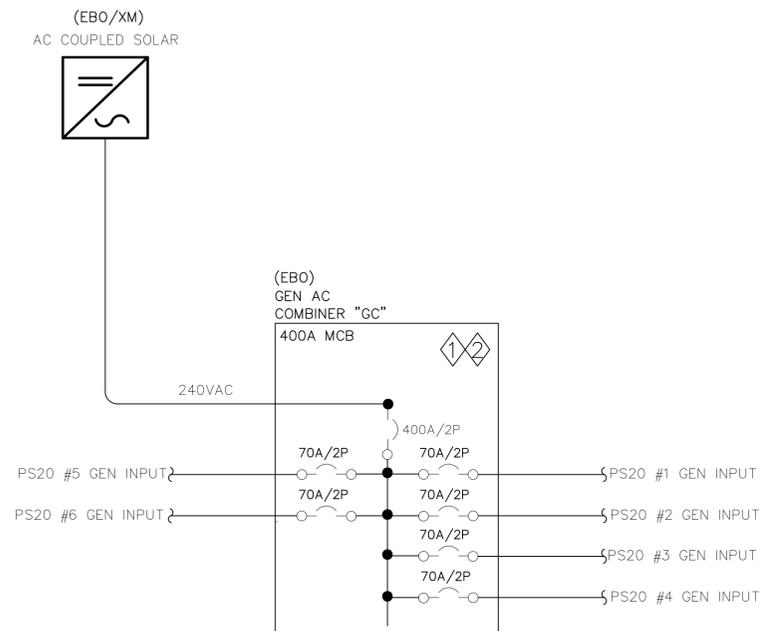
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DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	REV	VERSION	DATE	DRN	DSGN	CKD	APPD	DRN	MAW	DATE	SAVANT POWER	JOB NUMBER	REV
	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW					JP	12-10-2025	RESIDENTIAL MICROGRID		00
INIT	*	*	*	*	*	*											600A: 75KW - 120KWH ESS PS20 ONELINE DIAGRAM (120/240V)	009-2585-00	

CERTIFICATE OF REGISTRATION NO. X-0000

600A POWER STORAGE 20 SYSTEM NOTES

1. 120KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 75KW / 312.5A
3. QTY (12) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (6) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 144KW / 600A GRID PASS THROUGH
7. CHARGE RATE: 6.5KW / INVERTER
8. DISCHARGE RATE: 12.5KW / INVERTER

LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	⬠	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	⬠	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		
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



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

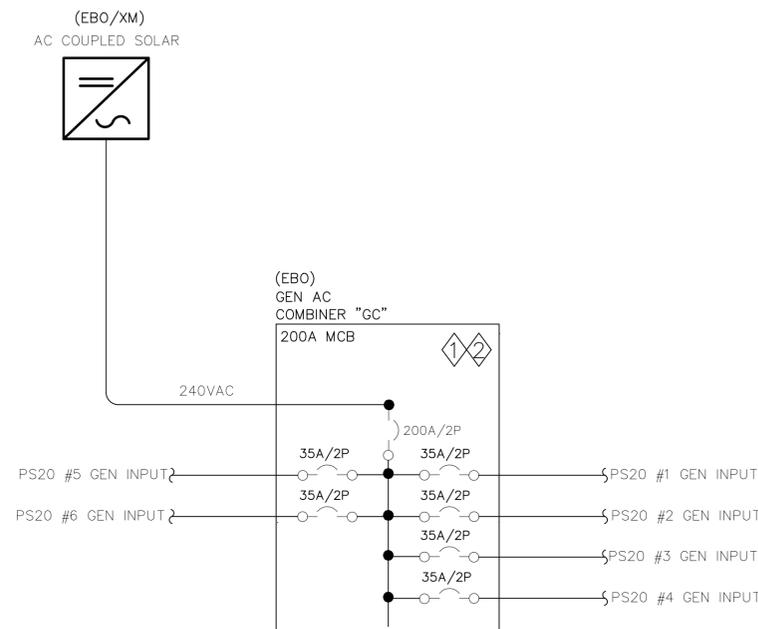
INTER-DISCIPLINE REVIEW														DSGN			SAVANT POWER		JOB NUMBER	REV	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT									DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID		-	⚠
DATE	*	*	*	*	*	*									CKD	JP	SCALE: AS NOTED		DRAWING NUMBER		
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW								600A: 75KW - 120KWH ESS PS20 ONELINE DIAGRAM (120/240V)		009-2586-00	
REV	REVISIONS								DATE	DRN	DSGN	CKD	APPD	CERTIFICATE OF REGISTRATION NO. X-0000							



600A POWER STORAGE 20 SYSTEM NOTES

1. 60KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 37.5KW / 156.25A
3. QTY (12) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (6) 6.25KW AC COUPLED PV INPUT AT GEN TERMINAL
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 144KW / 600A GRID PASS THROUGH
7. CHARGE RATE: 3.25KW / INVERTER  
6.5KW / BATTERY STACK
8. DISCHARGE RATE: 6.25KW / INVERTER  
12.5KW / BATTERY STACK

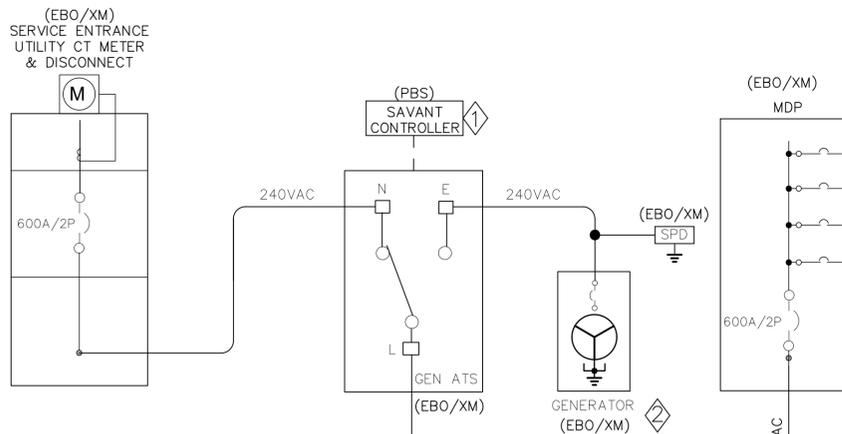
LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	①	OCPD SIZING ON THIS CONCEPT DRAWING SHOWS THE MAXIMUM ALLOWABLE SIZE FOR THIS PS20 CONFIGURATION. ENGINEER OF RECORD TO SIZE OCPD AND CABLE SIZES ACCORDING TO SITE CONDITIONS AND LATEST NEC CODE. SEE GENERAL NOTES SHEET FOR ADDITIONAL DESIGN GUIDANCE.
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS	②	
(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

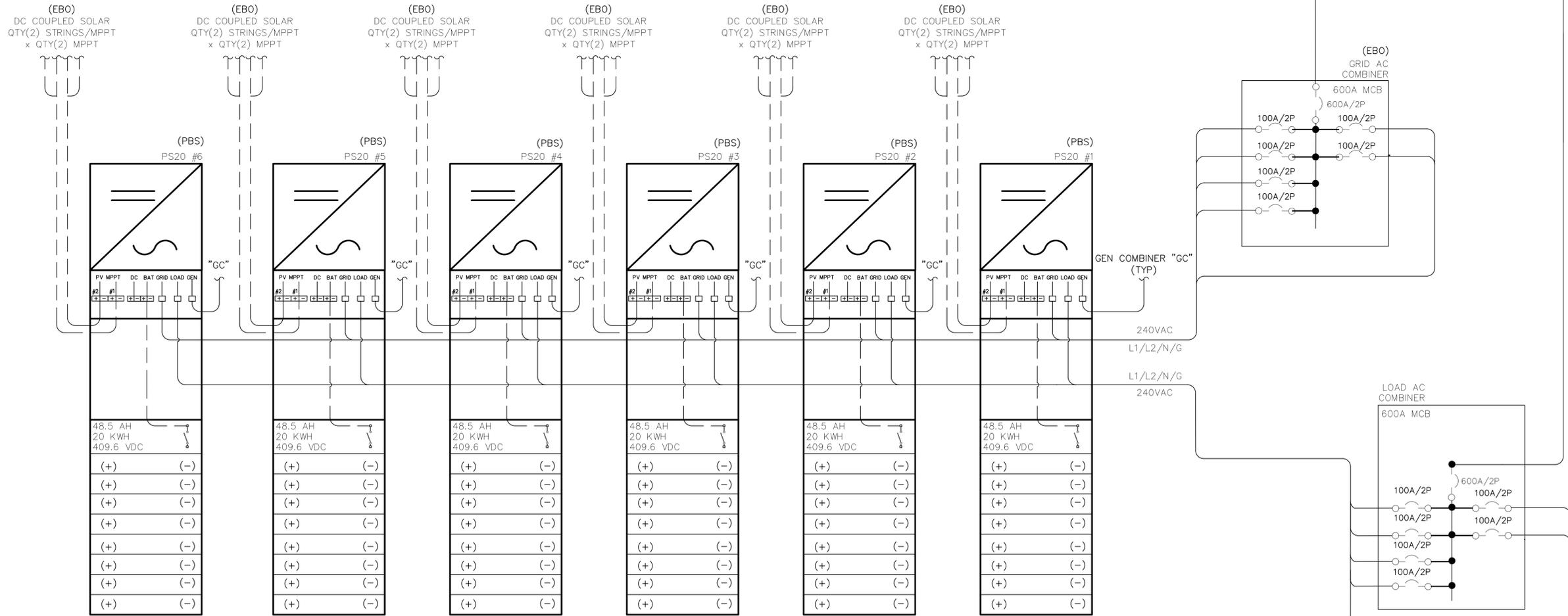
INTER-DISCIPLINE REVIEW															SAVANT POWER		JOB NUMBER	REV		
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	DSGN	DRN	MAW	12-10-2025					RESIDENTIAL MICROGRID		-	00		
DATE	*	*	*	*	*	*	CKD	JP <th colspan="2">SCALE: AS NOTED</th> <th colspan="2"></th> <th colspan="2"></th> <th colspan="2">600A: 37.5KW - 60KWH ESS PS20 ONELINE DIAGRAM (120/240V)</th> <th colspan="2">DRAWING NUMBER</th>	SCALE: AS NOTED						600A: 37.5KW - 60KWH ESS PS20 ONELINE DIAGRAM (120/240V)		DRAWING NUMBER			
INIT	*	*	*	*	*	*	REV	00	VERSION 00	12-10-2025	MAW	DATE	DRN	DSGN	CKD	APPD	009-2590-00			
							REVISIONS		DATE		DRN		DSGN		CKD		APPD		CERTIFICATE OF REGISTRATION NO. X-0000	

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		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.
(XM)	EQUIPMENT EXISTING TO REMAIN	②	
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



600A POWER STORAGE 20 SYSTEM NOTES

- 120KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 75KW / 312.5A
- QTY (12) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (6) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 144KW / 600A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER



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

INTER-DISCIPLINE REVIEW							REVISIONS				DESIGN			SAVANT POWER		JOB NUMBER		REV		
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT	REV	VERSION	DATE	DRN	DSGN	CKD	APPD	DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID		DRAWING NUMBER	
	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW					JP		600A: 75KW - 120KWH ESS PS20 ONELINE DIAGRAM (120/240V)		009-2587-00	
DATE																				
INIT																				

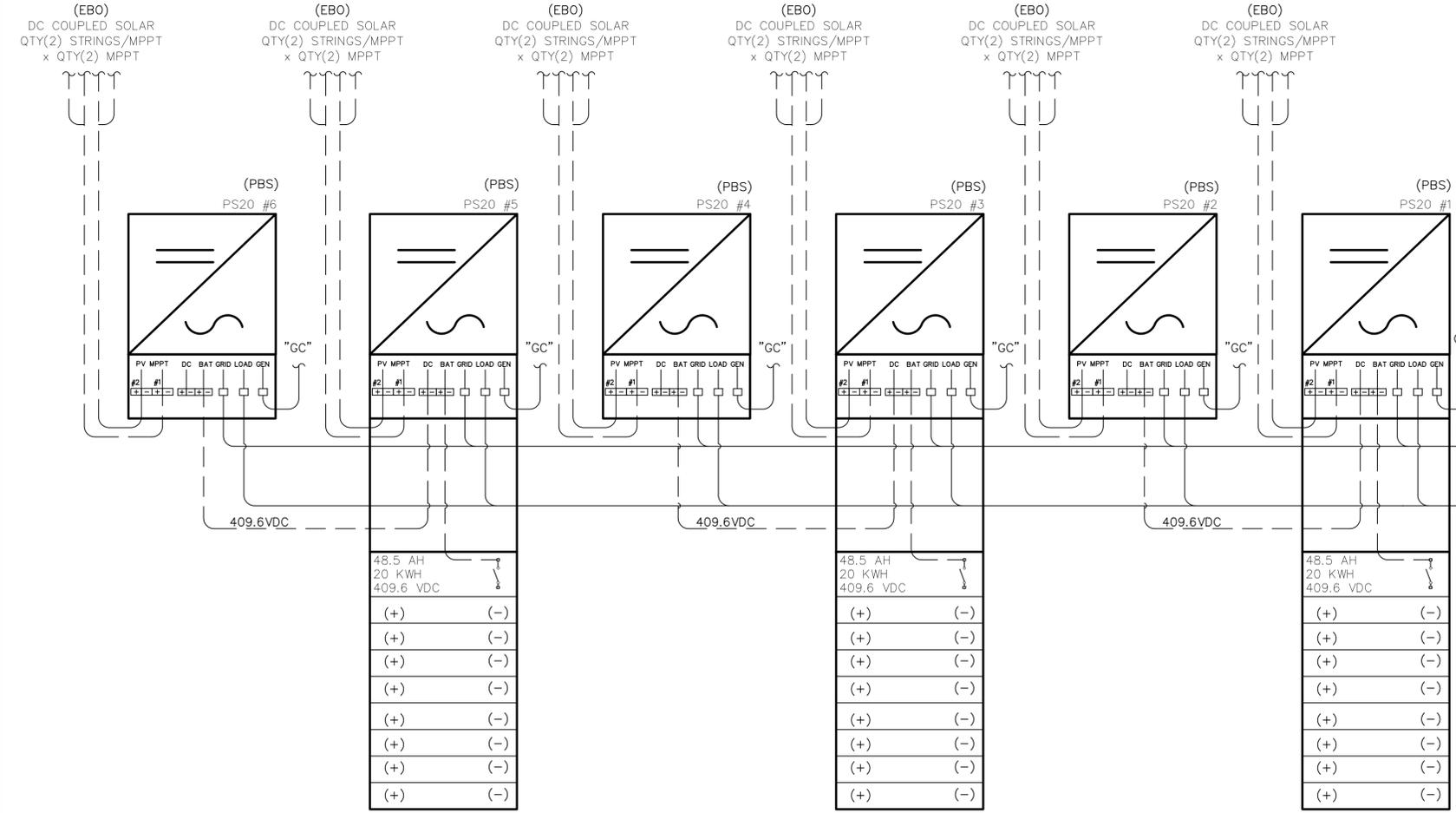
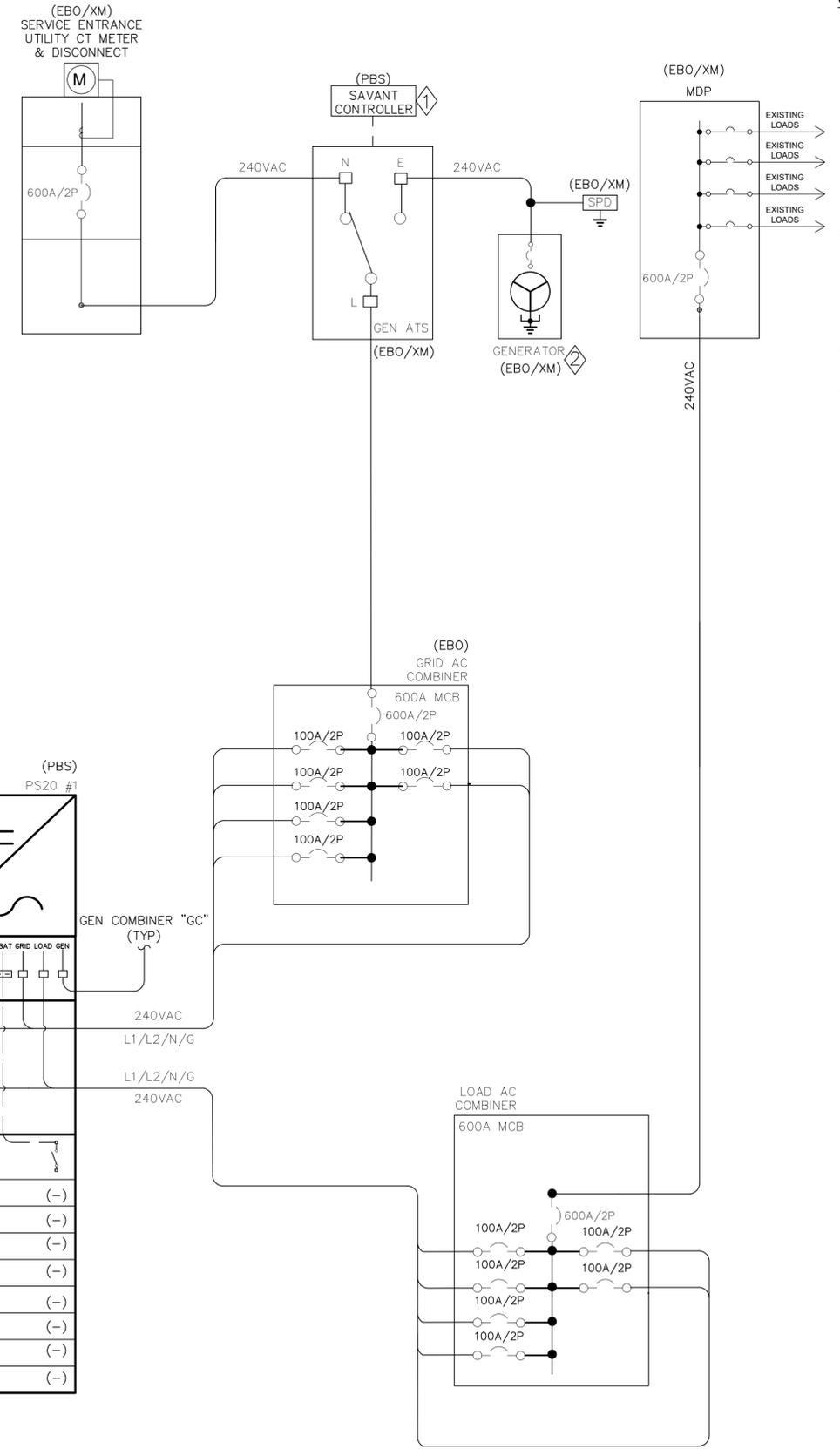
CERTIFICATE OF REGISTRATION NO. X-0000



600A POWER STORAGE 20 SYSTEM NOTES

1. 60KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 37.5KW / 156.25A
3. QTY (12) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (6) 6.25KW AC COUPLED PV INPUT AT GEN TERMINAL
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 144KW / 600A 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		
(XM)	EQUIPMENT EXISTING TO REMAIN	②	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.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



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

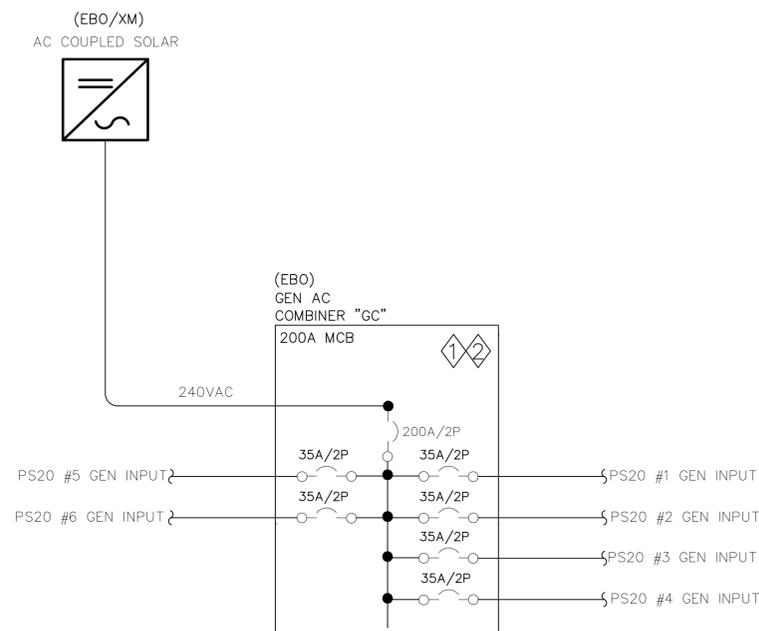
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DATE	*	*	*	*	*	*									CKD	JP		DRAWING NUMBER			
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW					SCALE: AS NOTED		600A: 37.5KW - 60KWH ESS		009-2591-00		
REV	REVISIONS								DATE	DRN	DSGN	CKD	APPD					PS20 ONLINE DIAGRAM (120/240V)			

CERTIFICATE OF REGISTRATION NO. X-0000

600A POWER STORAGE 20 SYSTEM NOTES

1. 60KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 37.5KW / 156.25A
3. QTY (12) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (6) 6.25KW AC COUPLED PV INPUT AT GEN TERMINAL
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 144KW / 600A 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	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		



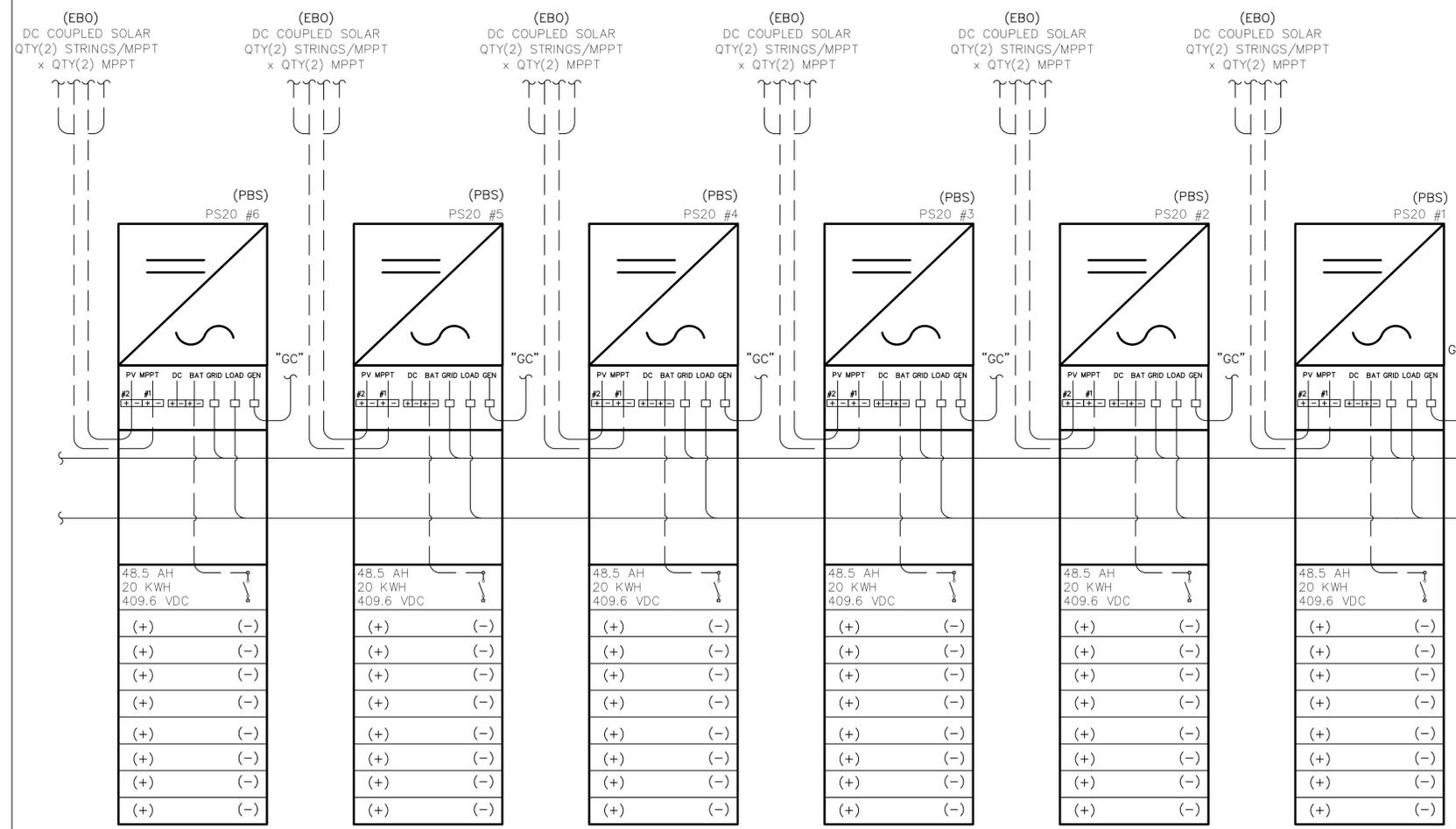
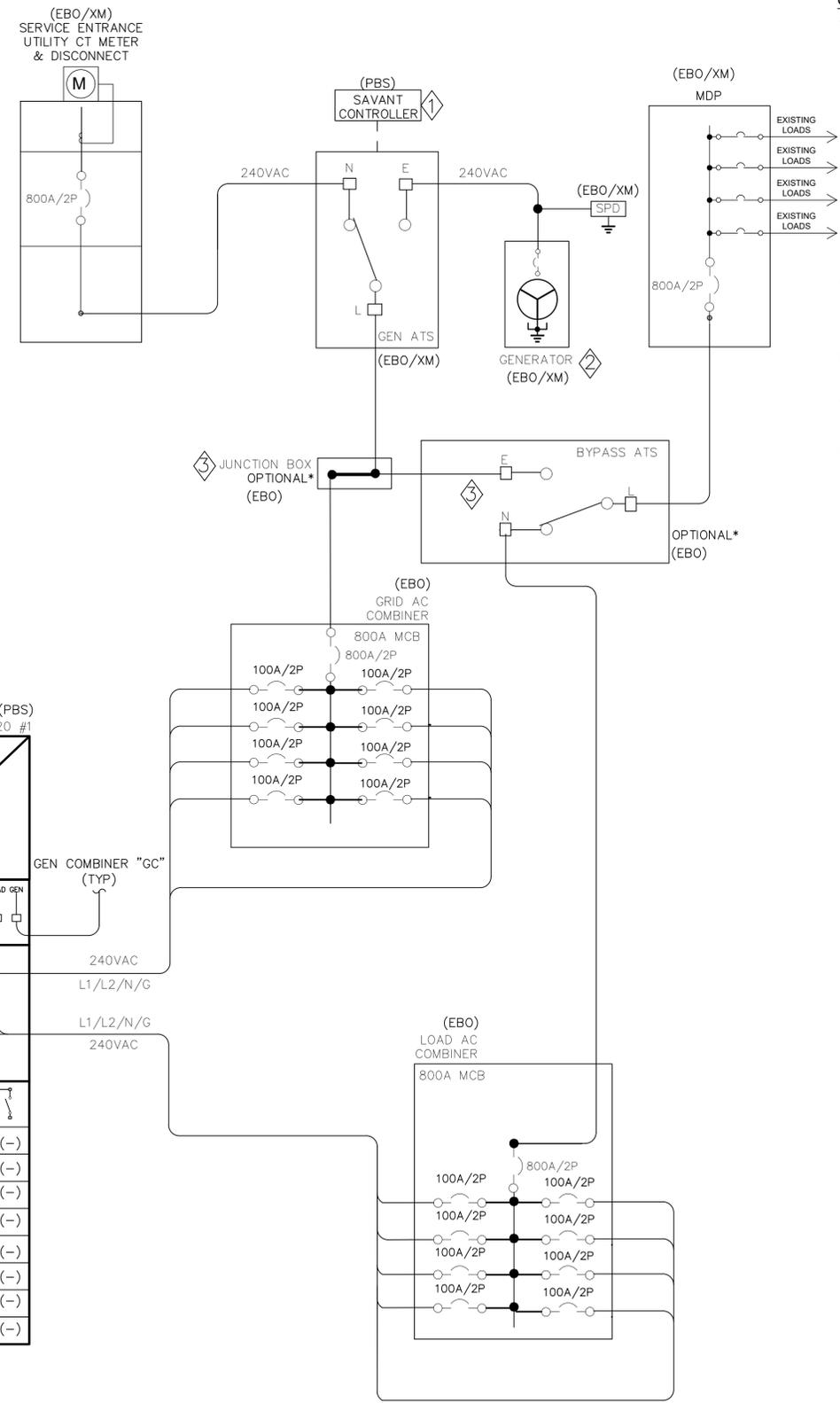
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INTER-DISCIPLINE REVIEW														DSGN			SAVANT POWER		JOB NUMBER	REV			
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DATE	*	*	*	*	*	*																	
INIT	*	*	*	*	*	*																	
REV	00	VERSION 00						12-10-2025	MAW														
		REVISIONS						DATE	DRN	DSGN	CKD	APPD	SCALE: AS NOTED		CERTIFICATE OF REGISTRATION NO. X-0000		RESIDENTIAL MICROGRID		DRAWING NUMBER				
																	600A: 37.5KW - 60KWH ESS PS20 ONELINE DIAGRAM (120/240V)		009-2592-00			00	

800A POWER STORAGE 20 SYSTEM NOTES

1. 160KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 100KW / 416.67A
3. QTY (16) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (8) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
5. 192KW / 800A GRID PASS THROUGH
6. CHARGE RATE: 6.5KW / INVERTER
7. DISCHARGE RATE: 12.5KW / INVERTER

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	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.
(XM)	EQUIPMENT EXISTING TO REMAIN	③	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.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



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

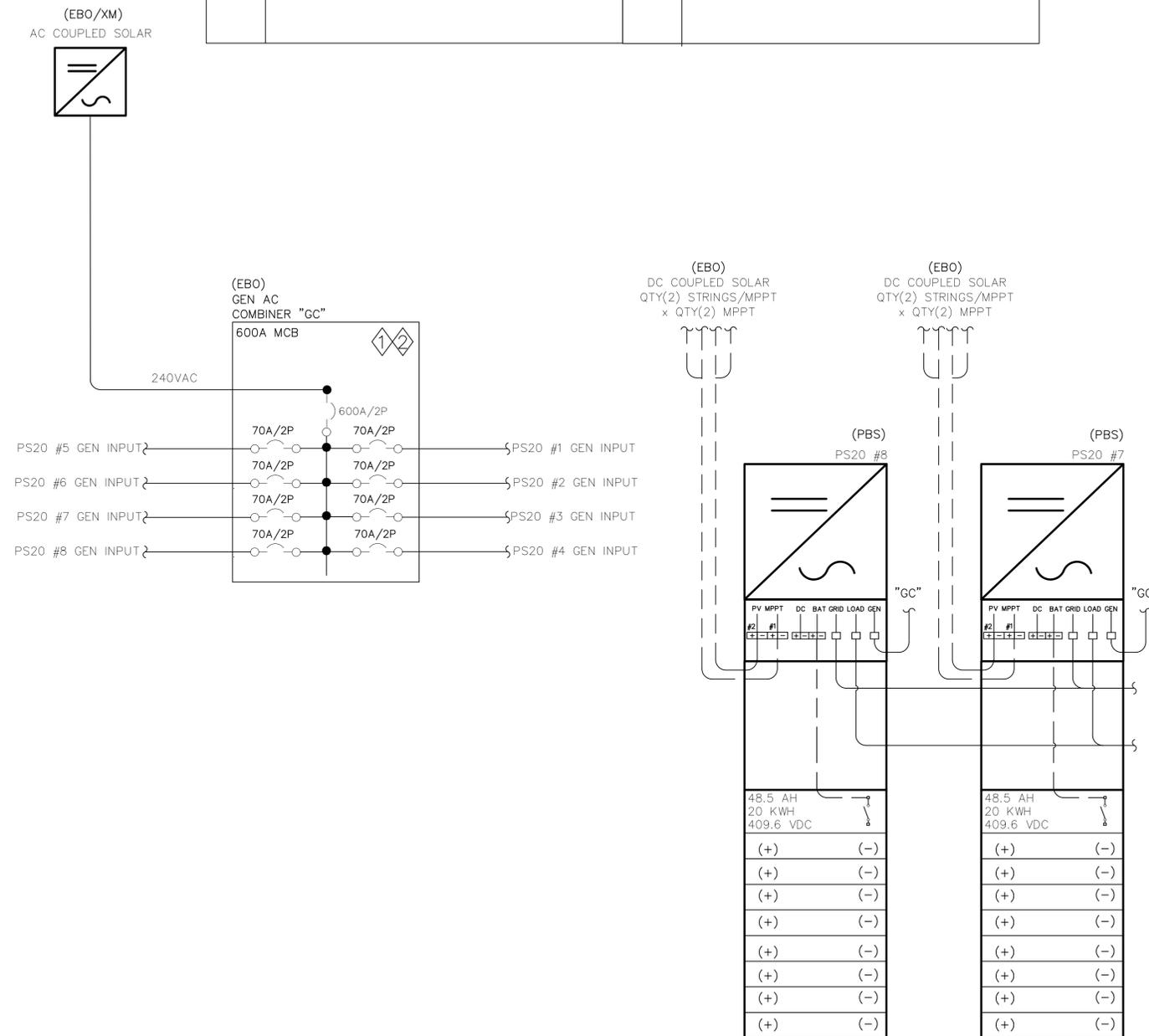
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INIT	*	*	*	*	*	*											009-2593-00		

CERTIFICATE OF REGISTRATION NO. X-0000

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		
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		

800A POWER STORAGE 20 SYSTEM NOTES

- 160KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 100KW / 416.67A
- QTY (16) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (8) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 192KW / 800A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER



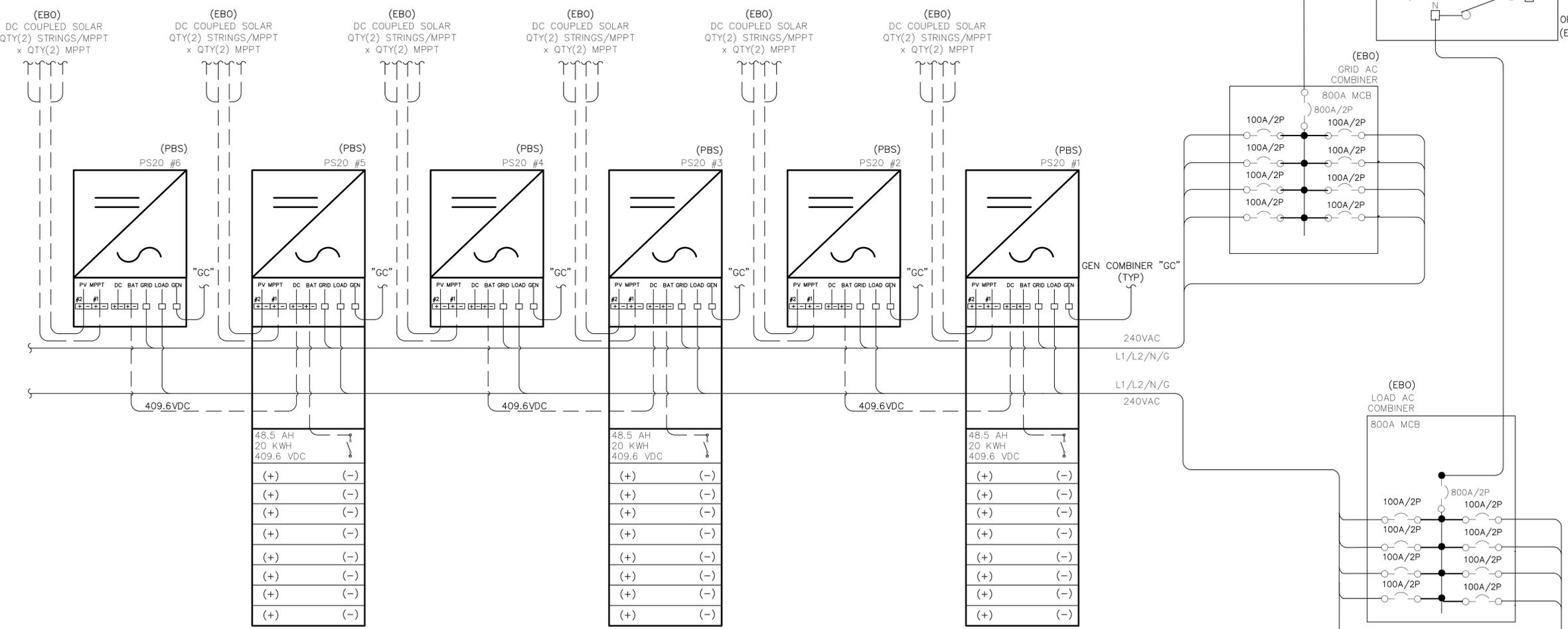
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INTER-DISCIPLINE REVIEW											DSGN	MAW	12-10-2025	SAVANT POWER		JOB NUMBER	REV	
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DATE	*	*	*	*	*	*												
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													CERTIFICATE OF REGISTRATION NO. X-0000		DRAWING NUMBER			
															009-2594-00			
															800A: 100KW - 160KWH ESS PS20 ONELINE DIAGRAM (120/240V)			

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 MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
5. 192KW / 800A 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	"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		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.
(XM)	EQUIPMENT EXISTING TO REMAIN		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.
SPD	SURGE PROTECTION DEVICE	②	
TYP	TYPICAL THROUGHOUT DRAWING	③	
AF	SWITCH DISCONNECT FUSE RATING		



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

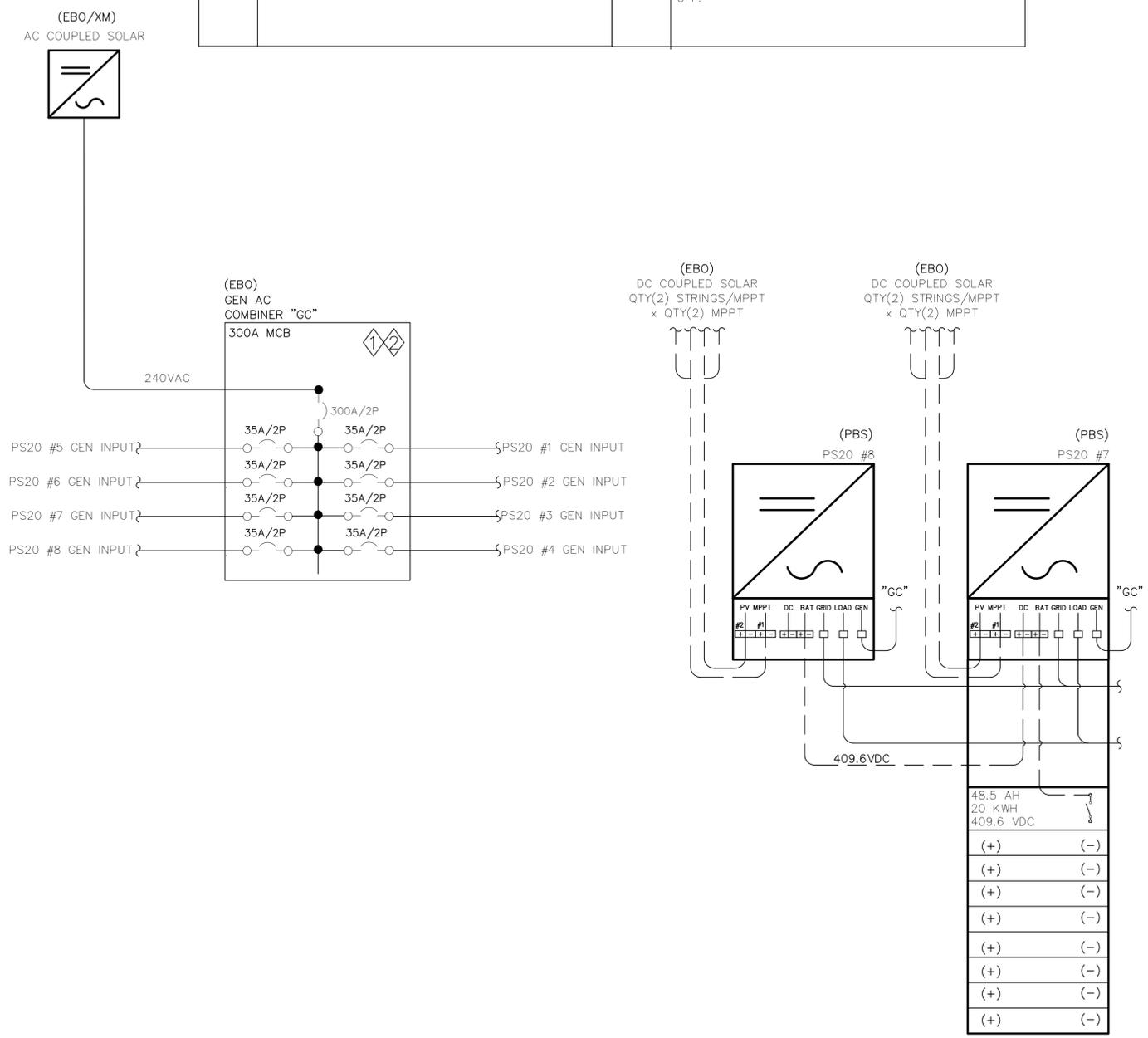
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DATE	*	*	*	*	*	*								CKD	JP				DRAWING NUMBER	
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW				SCALE: AS NOTED				800A: 50KW - 80KWH ESS		009-2597-00
REV								REVISIONS	DATE	DRN	DSGN	CKD	APPD					PS20 ONELINE DIAGRAM (120/240V)		

CERTIFICATE OF REGISTRATION NO. X-0000

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	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		
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



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

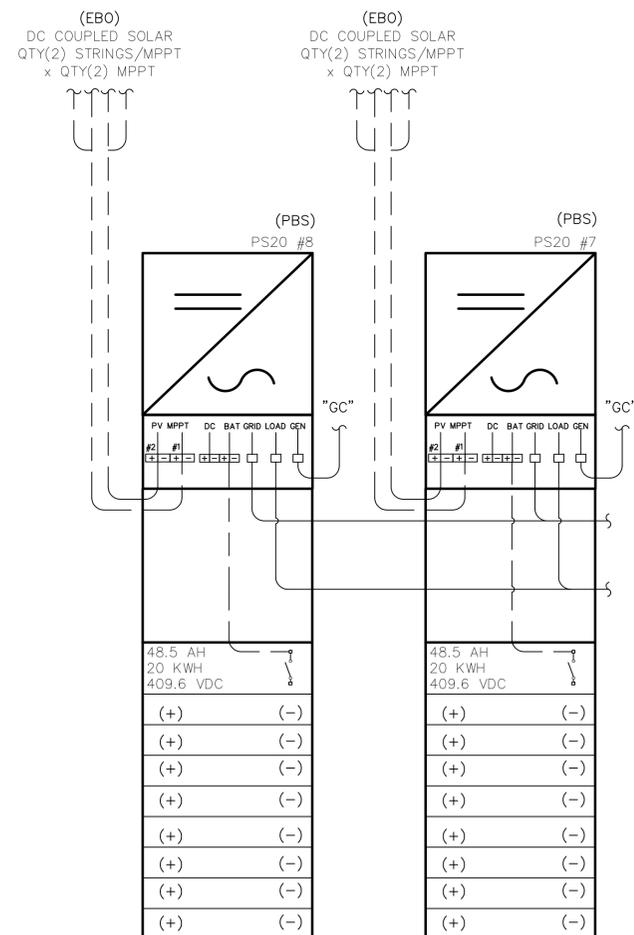
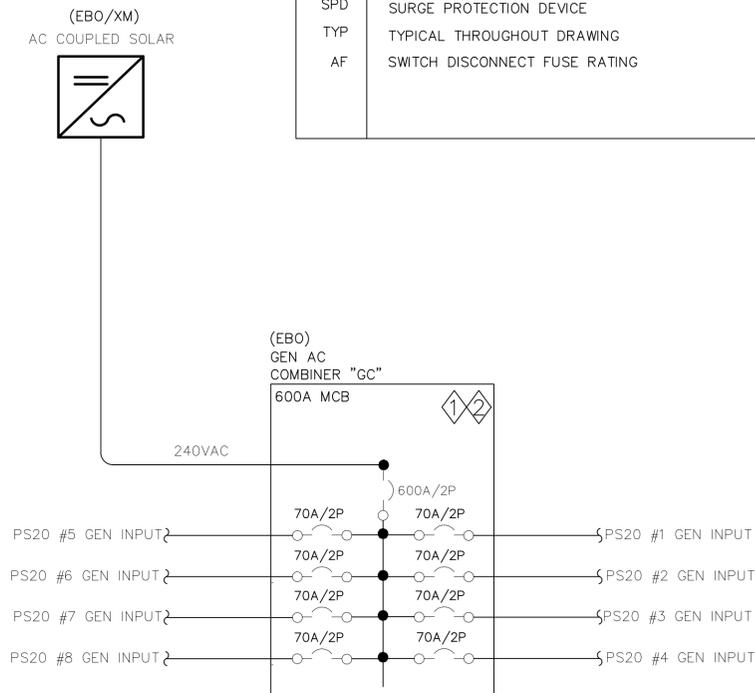
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DATE	*	*	*	*	*	*						CKD	JP		800A: 50KW - 80KWH ESS PS20 ONELINE DIAGRAM (120/240V)		DRAWING NUMBER	
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REV								REVISIONS	DATE	DRN	DSGN	CKD	APPD	CERTIFICATE OF REGISTRATION NO. X-0000				



800A POWER STORAGE 20 SYSTEM NOTES

- 160KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 100KW / 416.67A
- QTY (16) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (8) 12.5KW AC COUPLED PV INPUT AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 192KW / 800A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER

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		



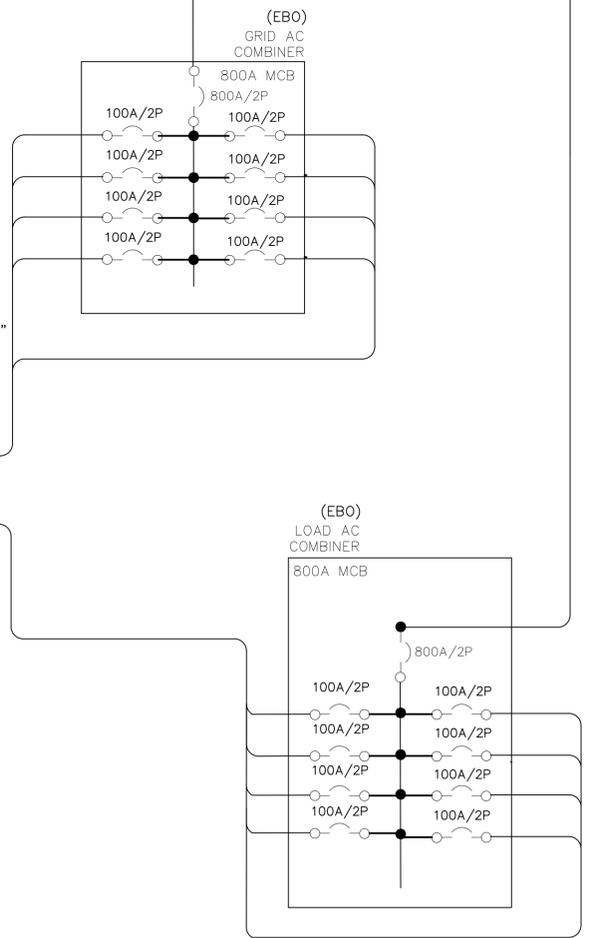
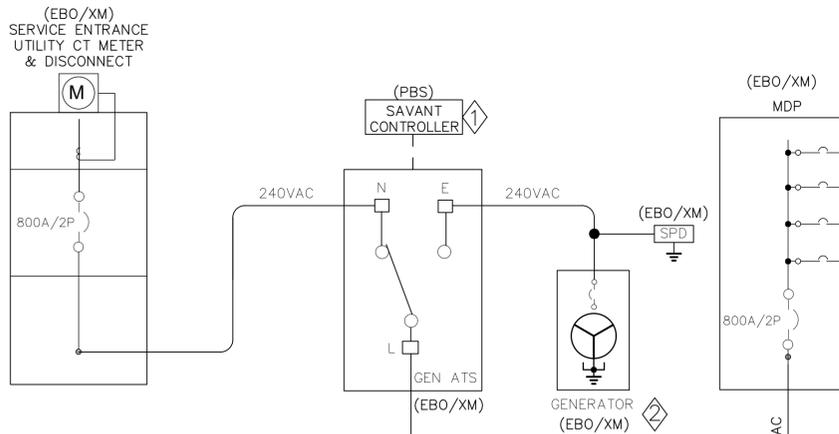
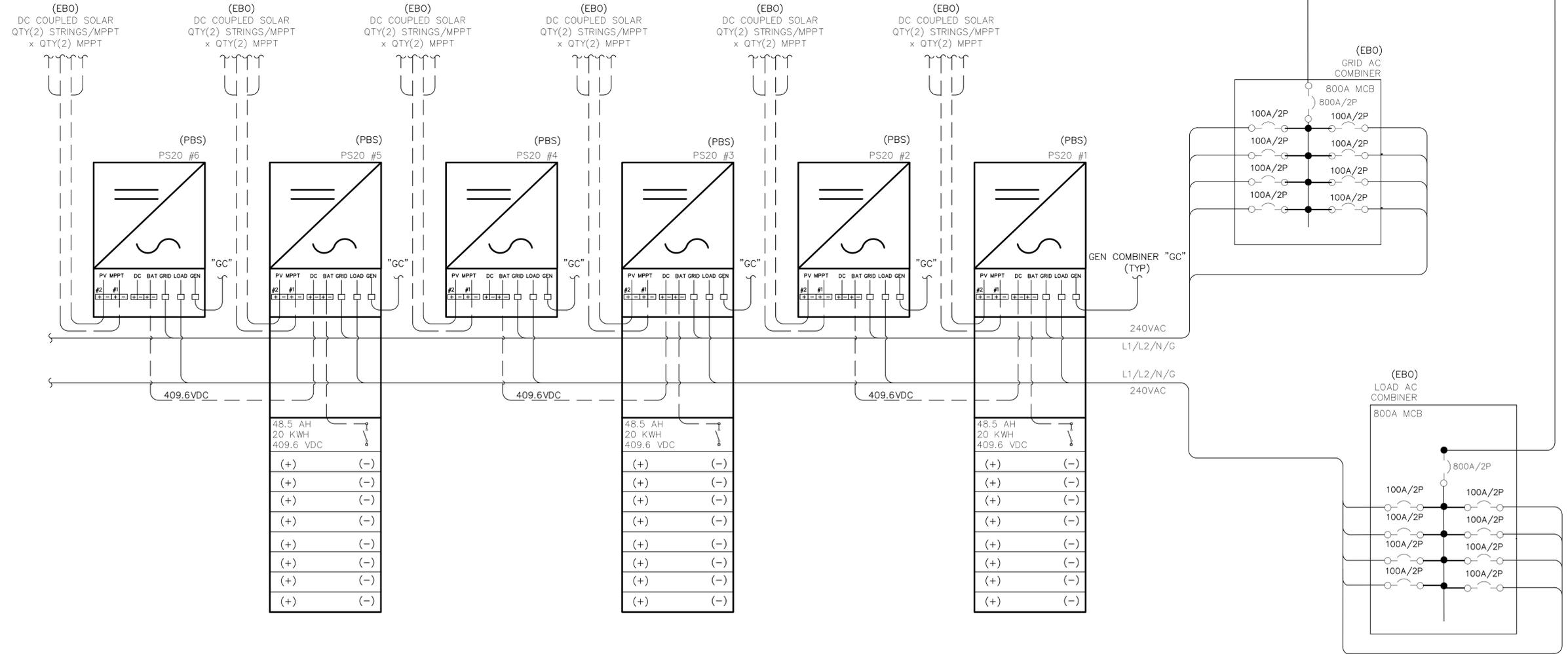
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INTER-DISCIPLINE REVIEW														DSGN			SAVANT POWER			JOB NUMBER		REV									
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DATE	*	*	*	*	*	*																									
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REV	00	VERSION 00						12-10-2025	MAW																						
		REVISIONS						DATE	DRN	DSGN	CKD	APPD	SCALE: AS NOTED					CERTIFICATE OF REGISTRATION NO. X-0000			DRAWING NUMBER		REV								
																		800A: 100KW - 160KWH ESS PS20 ONELINE DIAGRAM (120/240V)			009-2596-00		①								

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
8. DISCHARGE RATE: 6.5KW / 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		
(XM)	EQUIPMENT EXISTING TO REMAIN	②	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.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



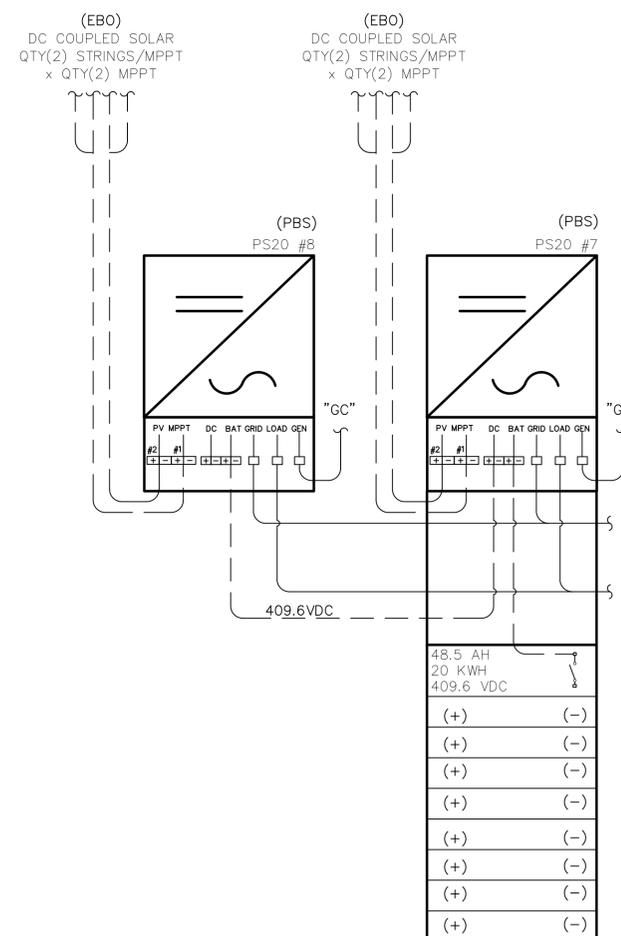
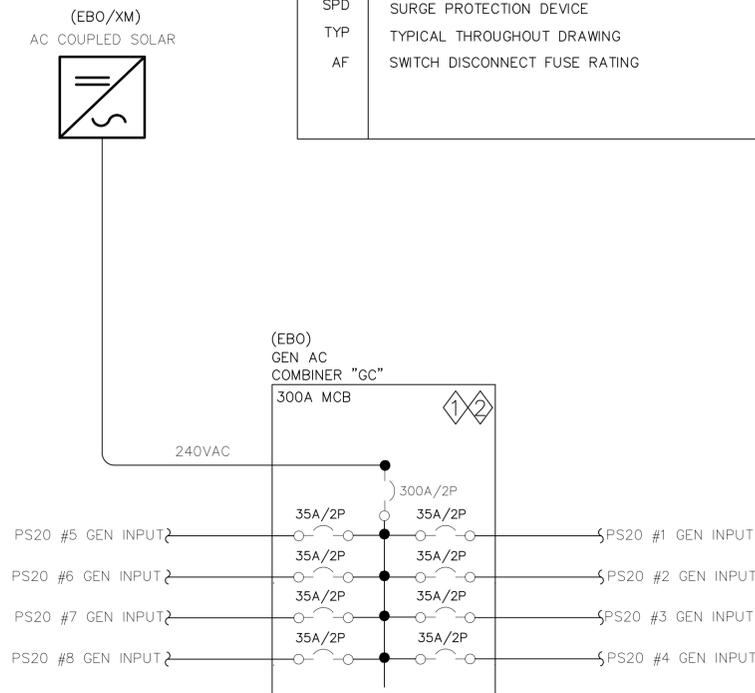
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INTER-DISCIPLINE REVIEW														DSGN			SAVANT POWER		JOB NUMBER	REV	
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INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW					SCALE: AS NOTED		800A: 50KW - 80KWH ESS		009-2599-00		
							REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD			CERTIFICATE OF REGISTRATION NO. X-0000		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.
- QTY (8) 6.25KW AC COUPLED PV INPUT AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 192KW / 800A GRID PASS THROUGH
- CHARGE RATE: 3.25KW / INVERTER  
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	OCPP SIZING ON THIS CONCEPT DRAWING SHOWS THE MAXIMUM ALLOWABLE SIZE FOR THIS PS20 CONFIGURATION. ENGINEER OF RECORD TO SIZE OCPP 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		
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		

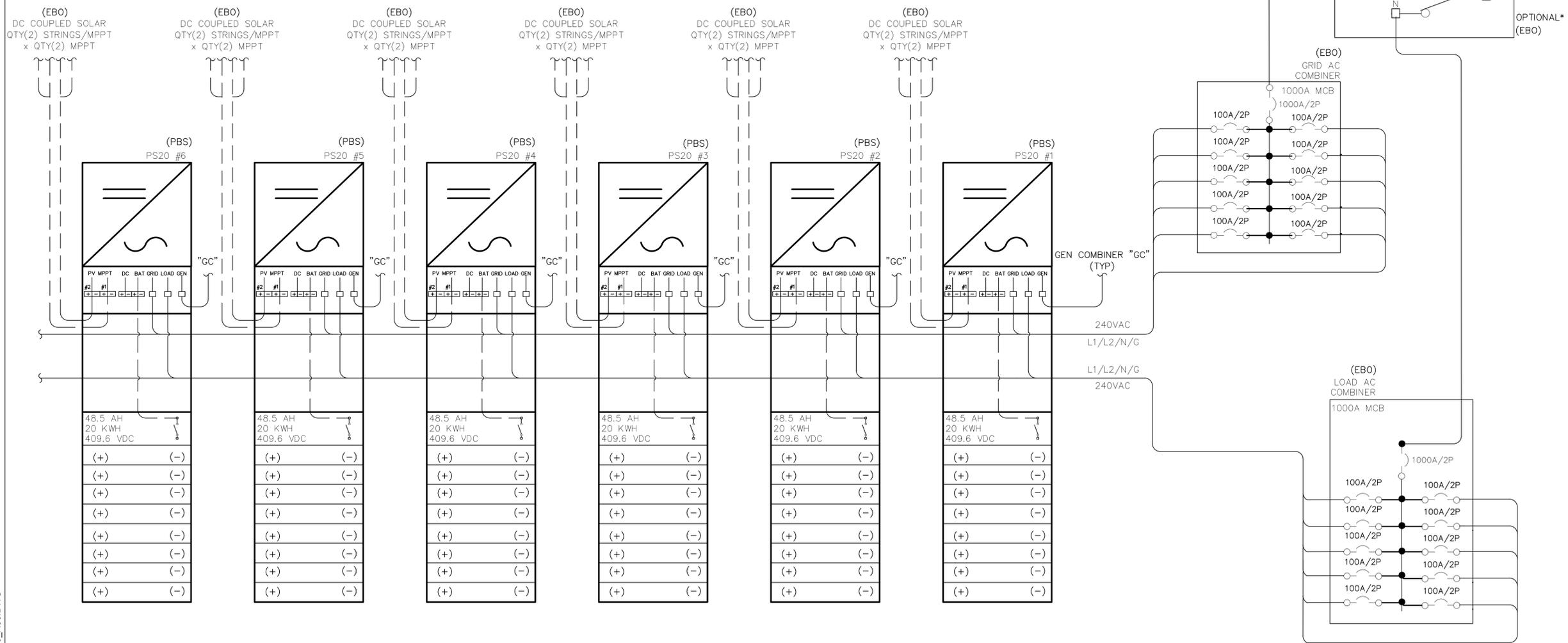


PS20\_GEN TO GRID\_12\_10\_2025\_V00\_R00.DWG

INTER-DISCIPLINE REVIEW														DSGN			SAVANT POWER			JOB NUMBER		REV				
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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			009-2600-00				
																	RESIDENTIAL MICROGRID			800A: 50KW - 80KWH ESS PS20 ONELINE DIAGRAM (120/240V)			-		00	

- 200KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 125KW / 520.83A
- QTY (20) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (10) 12.5KW AC COUPLED PV INPUTS AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 240KW / 1000A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER

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	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.
(XM)	EQUIPMENT EXISTING TO REMAIN	③	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.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



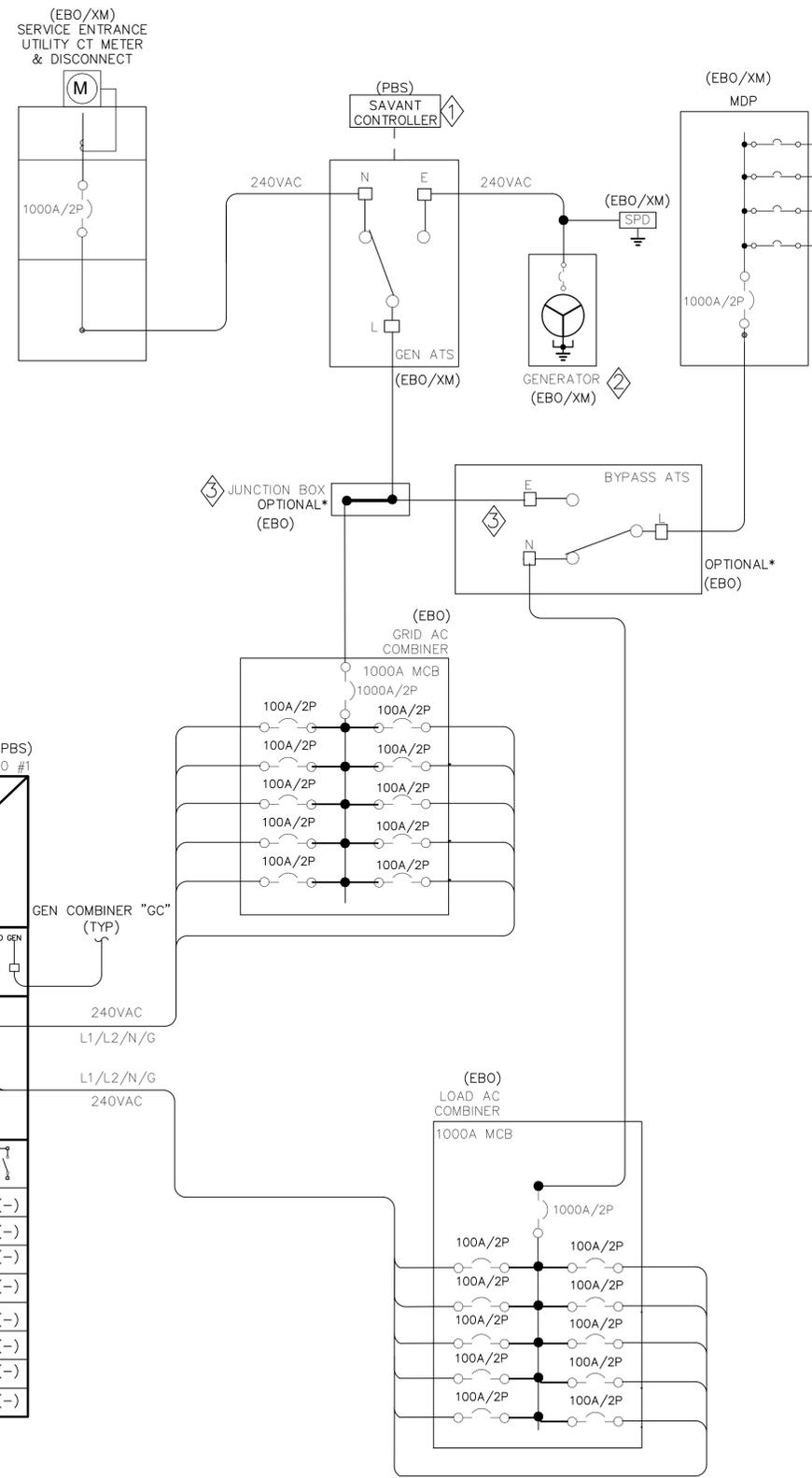
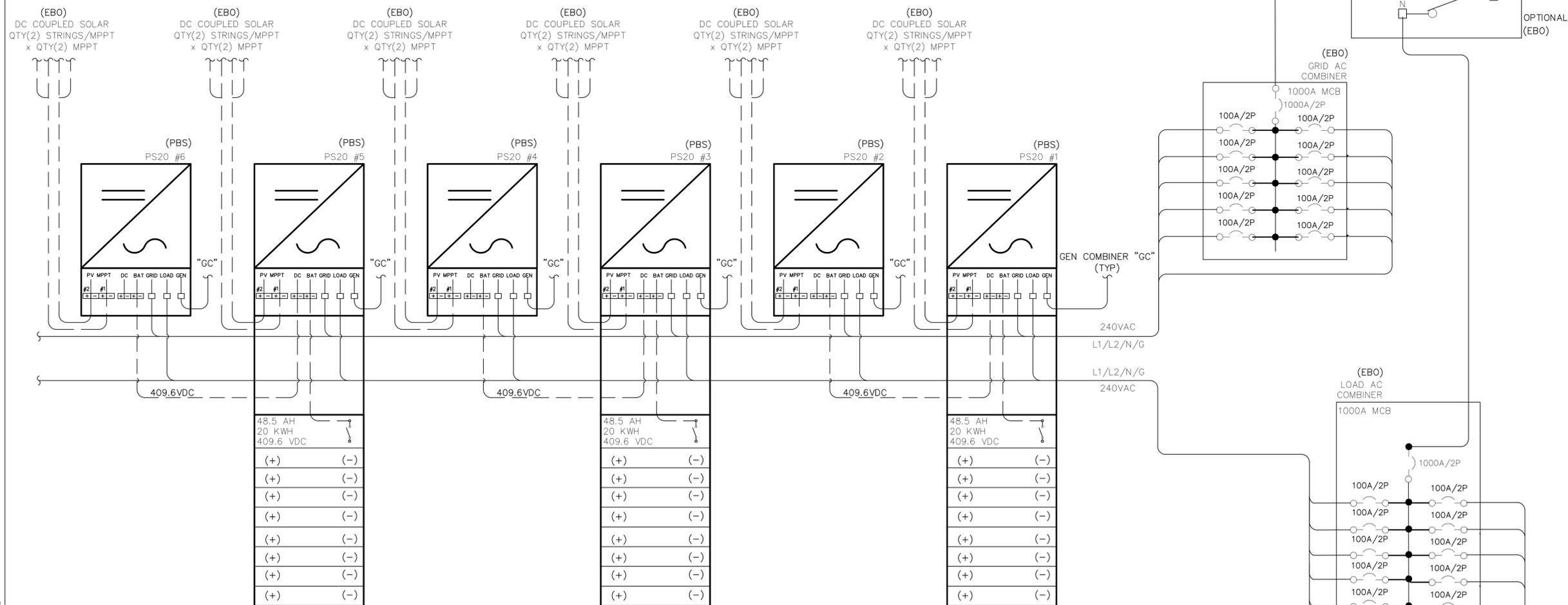
PS20\_GEN TO GRID\_12\_10\_2025\_V00\_R00.DWG

INTER-DISCIPLINE REVIEW								REVISIONS				DESIGN			SAVANT POWER		JOB NUMBER		REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT							DRN	MAW	12-10-2025	RESIDENTIAL MICROGRID		00	
DATE	*	*	*	*	*	*							CKD	JP		DRAWING NUMBER		009-2565-00	
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW			SCALE: AS NOTED			1000A: 125KW - 200KWH ESS		PS20 ONELINE DIAGRAM (120/240V)	
REV								REVISIONS	DATE	DRN	DSGN	CKD	APPD	CERTIFICATE OF REGISTRATION NO. X-0000					



1. 100KWH RATED ENERGY STORAGE
2. OFFGRID CONTINUOUS: 62.5KW / 260.4A
3. QTY (20) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
4. QTY (10) 6.25KW AC COUPLED PV INPUTS AT GEN TERMINAL
5. MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
6. 240KW / 1000A 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		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.
(XM)	EQUIPMENT EXISTING TO REMAIN		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.
SPD	SURGE PROTECTION DEVICE	②	
TYP	TYPICAL THROUGHOUT DRAWING	③	
AF	SWITCH DISCONNECT FUSE RATING		



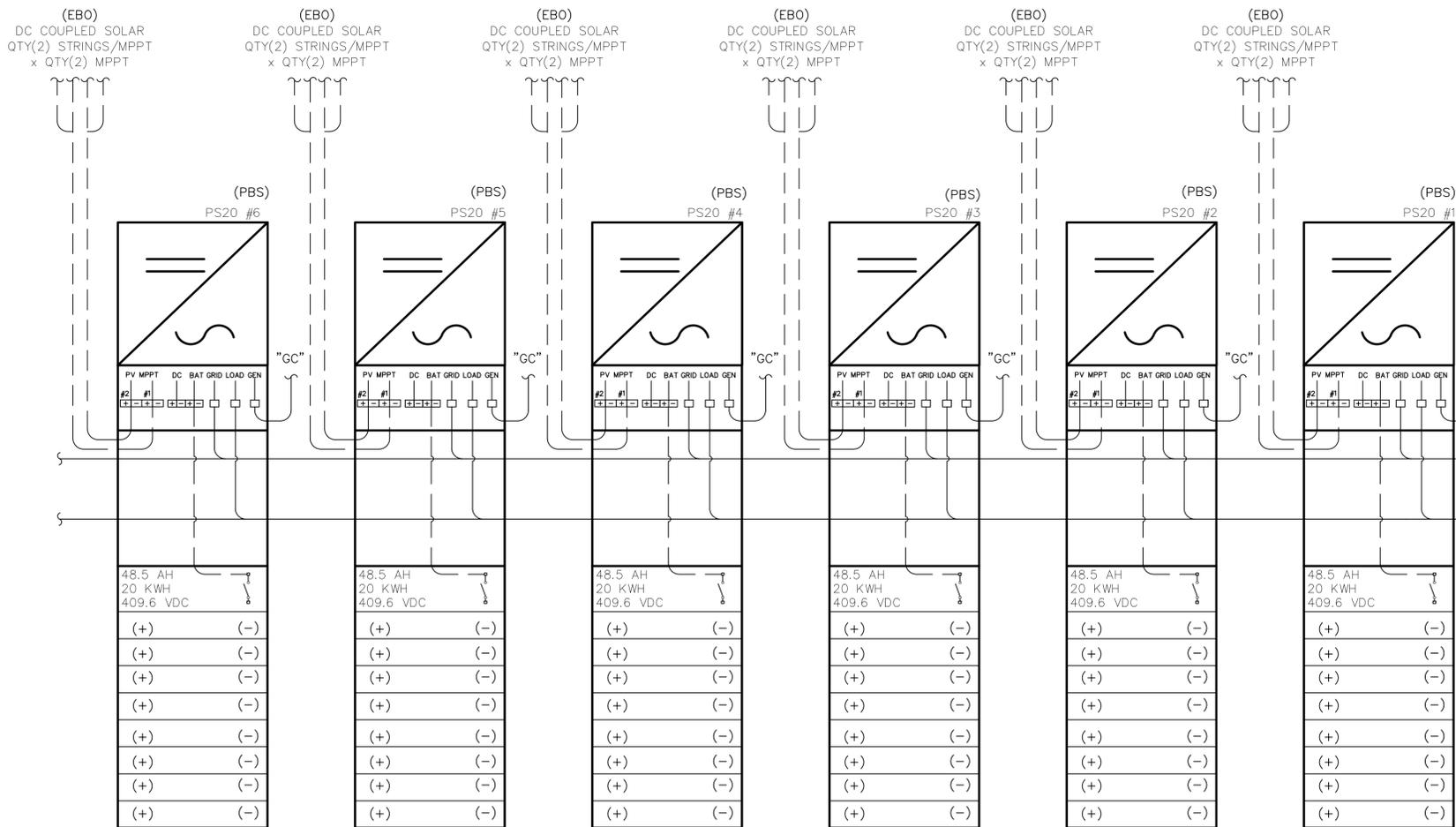
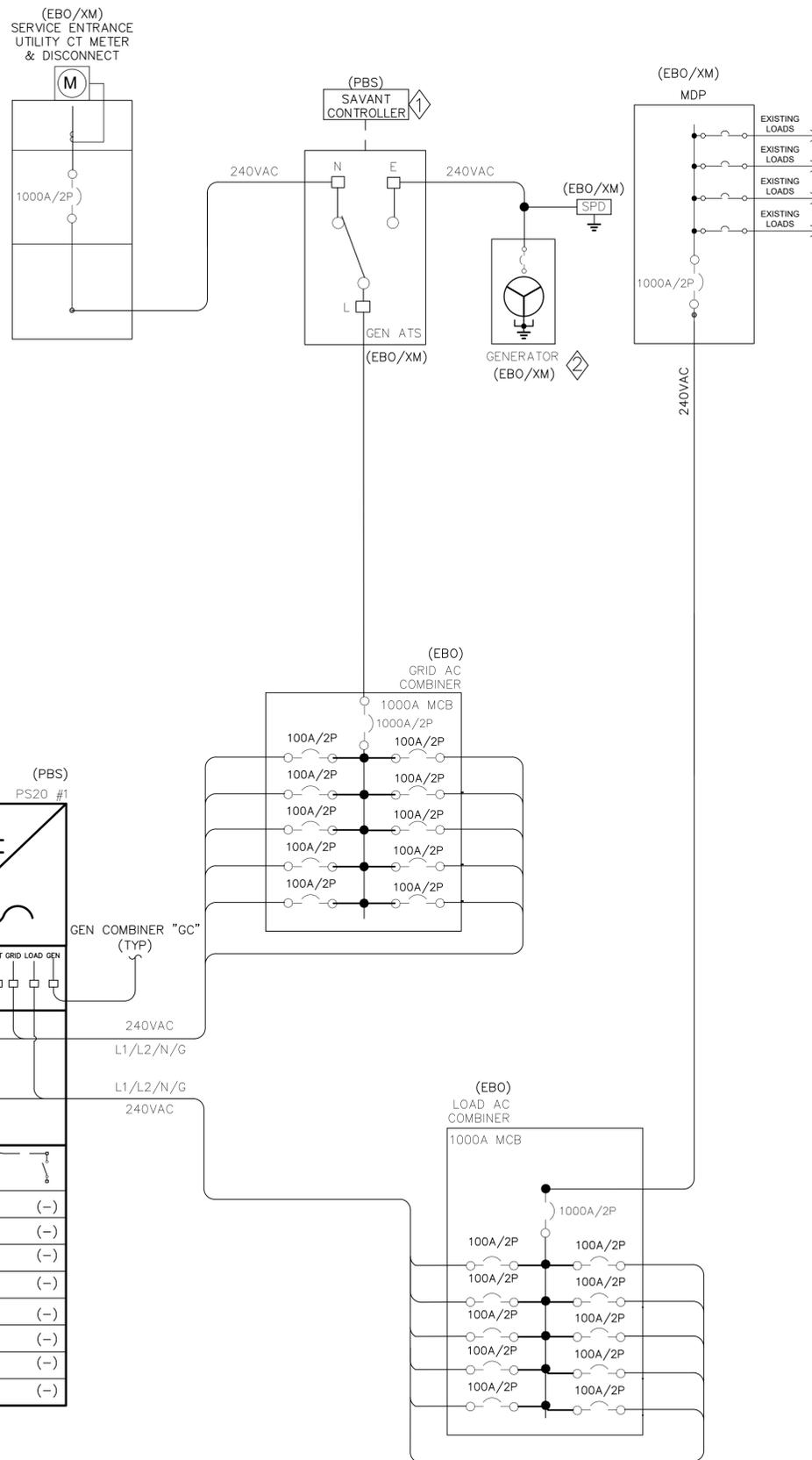
PS20\_GEN TO GRID\_12\_10\_2025\_V00\_R00.DWG

INTER-DISCIPLINE REVIEW														SAVANT POWER			JOB NUMBER	REV
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT												
DATE	*	*	*	*	*	*												
INIT	*	*	*	*	*	*												
D	VERSION 00						12-10-2025	MAW										
REV	REVISIONS						DATE	DRN	DSGN	CKD	APPD							
												DSGN	MAW	12-10-2025				
												DRN	JP					
												CKD						
												SCALE: AS NOTED						
												CERTIFICATE OF REGISTRATION NO. X-0000						
												RESIDENTIAL MICROGRID			DRAWING NUMBER			
												1000A: 62.5KW - 100KWH ESS PS20 ONLINE DIAGRAM (120/240V)			009-2569-00			



- 200KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 125KW / 520.83A
- QTY (20) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (10) 12.5KW AC COUPLED PV INPUTS AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 240KW / 1000A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER

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		
(XM)	EQUIPMENT EXISTING TO REMAIN	②	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.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



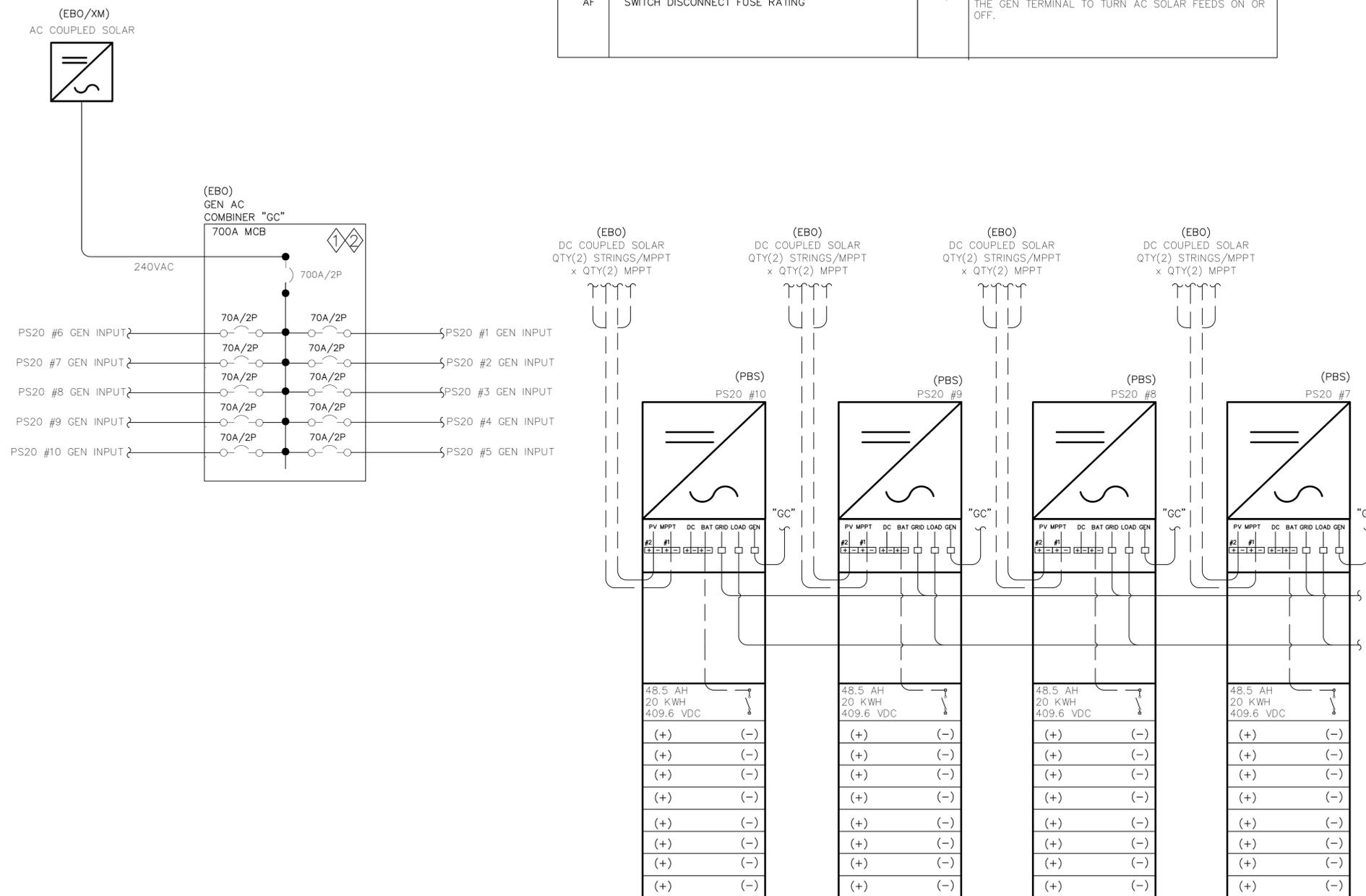
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INTER-DISCIPLINE REVIEW								REVISIONS				DESIGN			JOB NUMBER		REV	
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DATE	*	*	*	*	*	*									1000A: 125KW - 200KWH ESS PS20 ONLINE DIAGRAM (120/240V)	DRAWING NUMBER	009-2567-00	
INIT	*	*	*	*	*	*												

CERTIFICATE OF REGISTRATION NO. X-0000

- 200KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 125KW / 520.83A
- QTY (20) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (10) 12.5KW AC COUPLED PV INPUTS AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 240KW / 1000A GRID PASS THROUGH
- CHARGE RATE: 6.5KW / INVERTER
- DISCHARGE RATE: 12.5KW / INVERTER

LEGEND & ABBREVIATIONS		KEYNOTE DRAWING NOTES	
(PBS)	PROVIDED BY SAVANT POWER, INSTALLED BY OTHERS	 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.	 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.
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS		
(XM)	EQUIPMENT EXISTING TO REMAIN		
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		

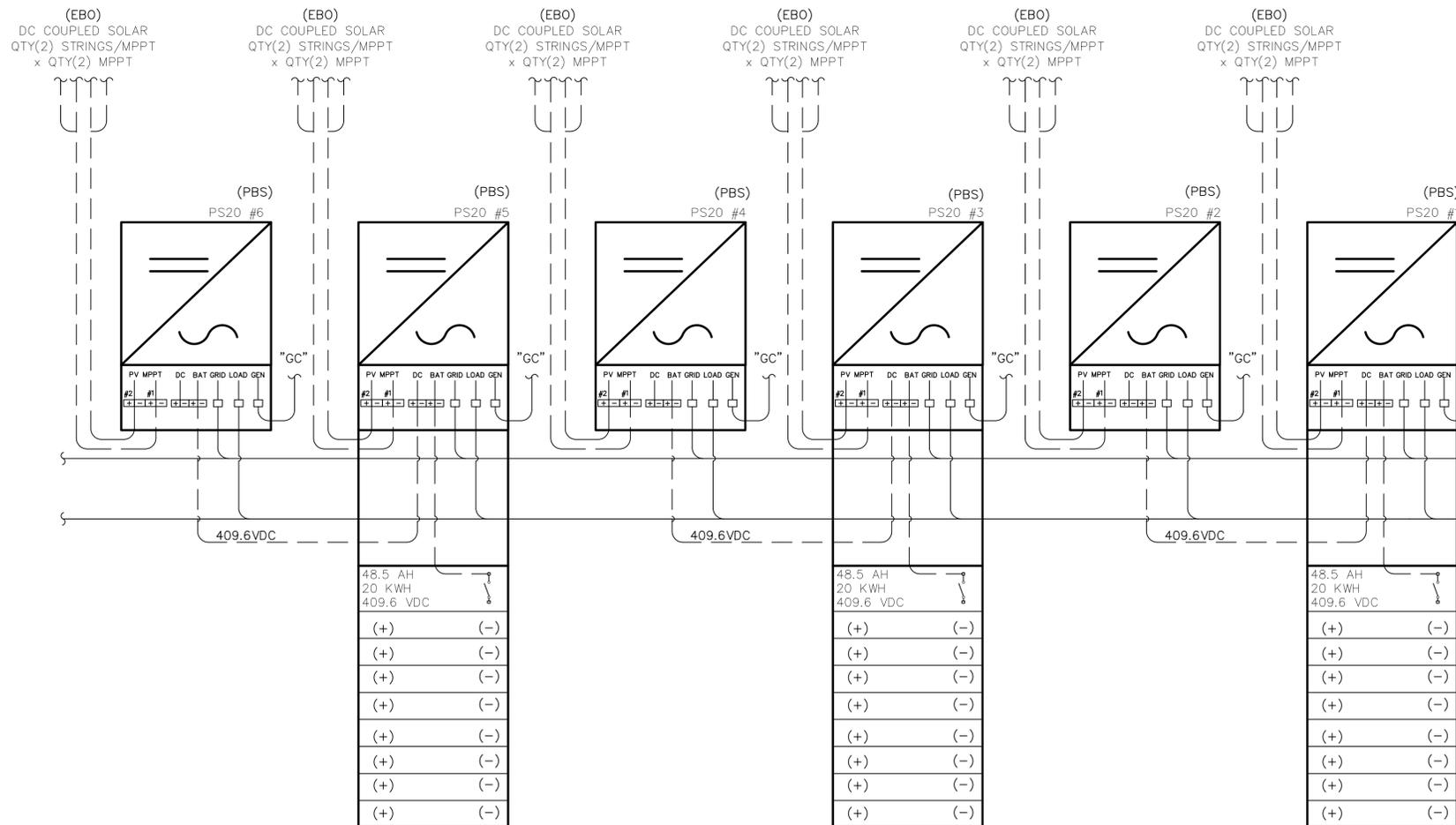
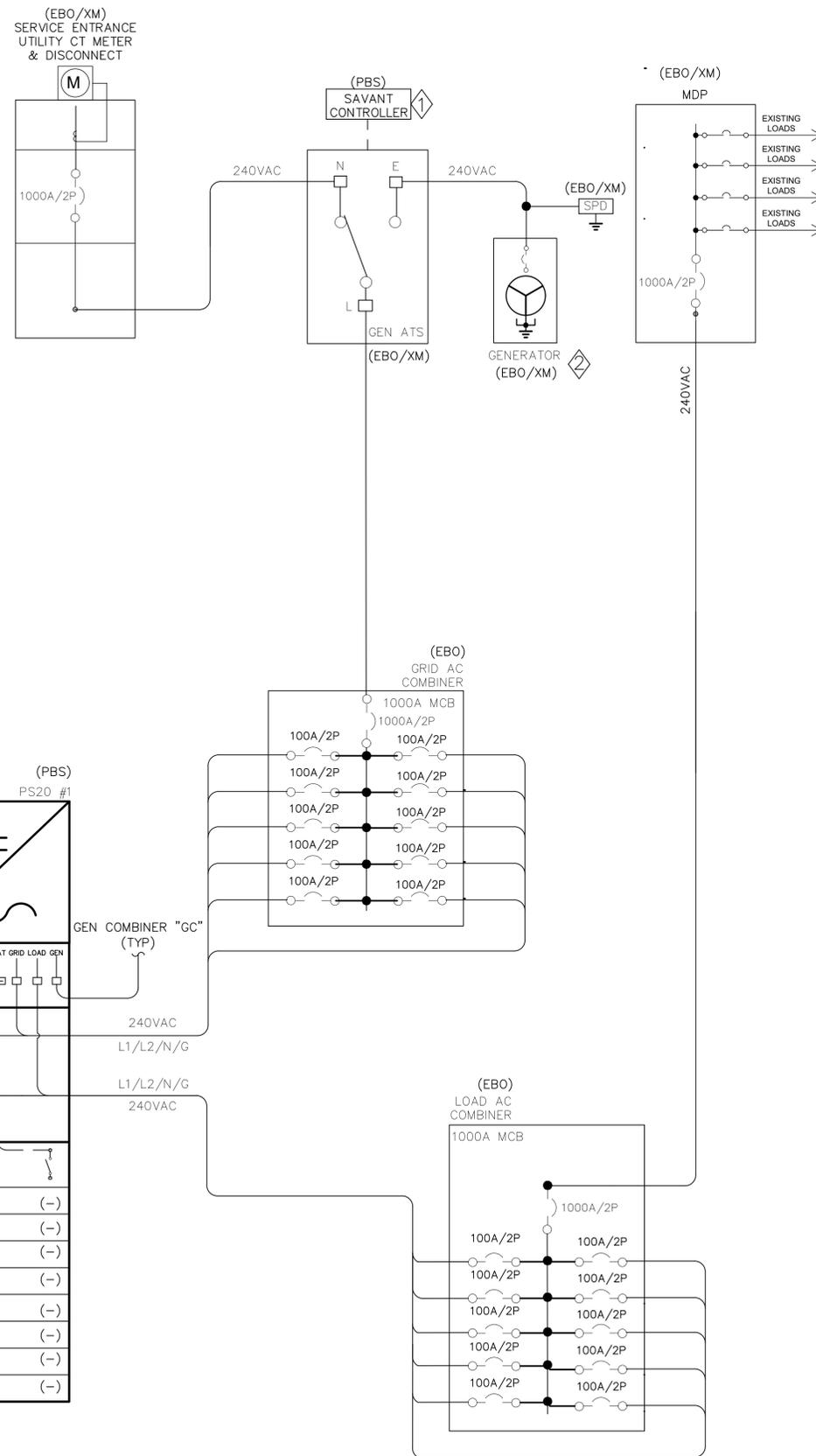


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INTER-DISCIPLINE REVIEW											DSGN			SAVANT POWER		JOB NUMBER	REV		
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DATE	*	*	*	*	*	*						CKD	JP		DRAWING NUMBER				
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW		SCALE: AS NOTED			1000A: 125KW - 200KWH ESS PS20 ONELINE DIAGRAM (120/240V)		009-2568-00		
REV	REVISIONS			DATE	DRN	DSGN	CKD	APPD										CERTIFICATE OF REGISTRATION NO. X-0000	

- 100KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 62.5KW / 260.4A
- QTY (20) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (10) 6.25KW AC COUPLED PV INPUTS AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 240KW / 1000A GRID PASS THROUGH
- CHARGE RATE: 3.25KW / INVERTER  
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	⬠	"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		
(XM)	EQUIPMENT EXISTING TO REMAIN	⬠	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.
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



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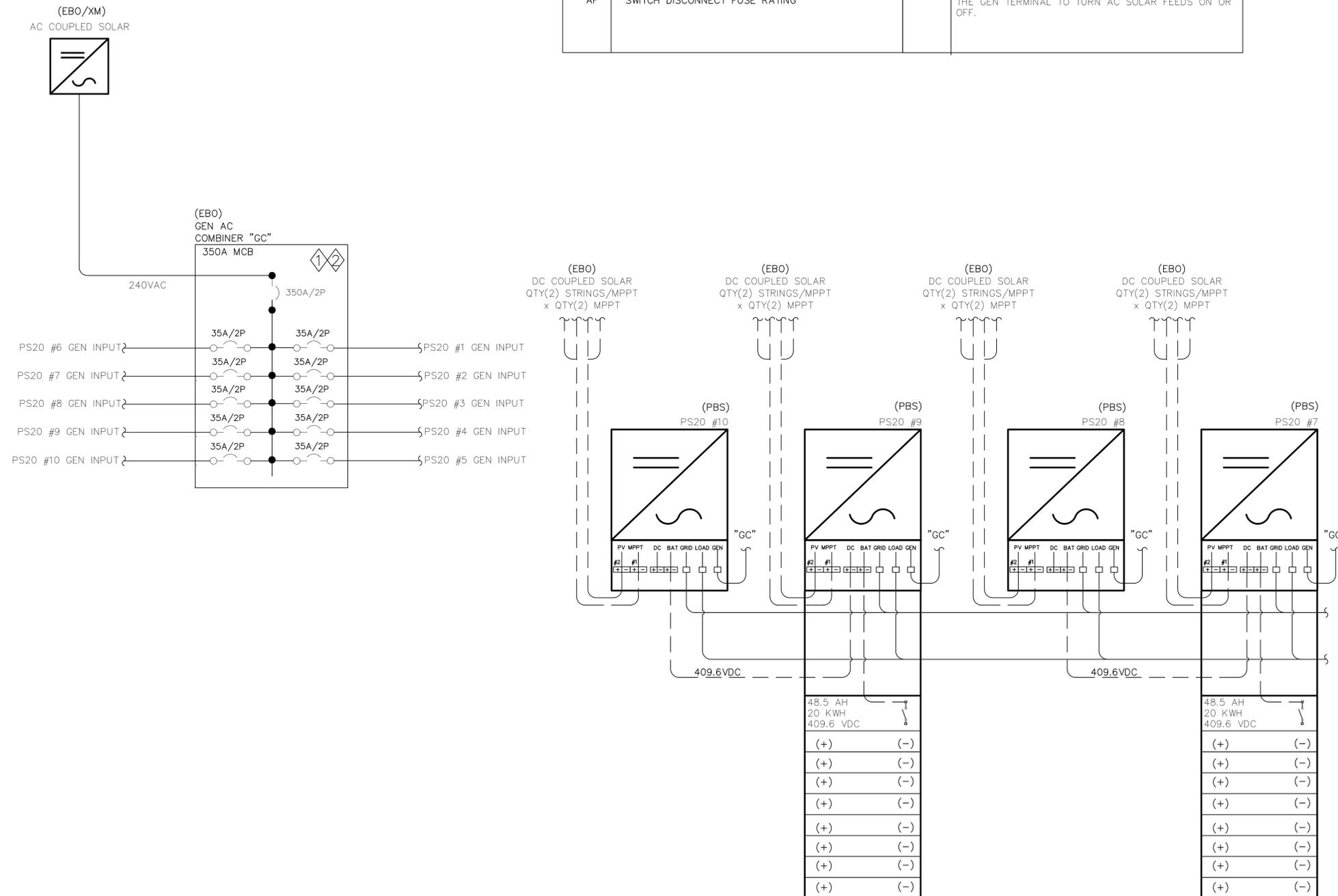
INTER-DISCIPLINE REVIEW							REVISIONS					DESIGN			SAVANT POWER		JOB NUMBER		REV	
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DATE	*	*	*	*	*	*	REV								CKD	JP		1000A: 62.5KW - 100KWH ESS	009-2571-00	00
INIT	*	*	*	*	*	*									SCALE:	AS NOTED		PS20 ONLINE DIAGRAM (120/240V)		

CERTIFICATE OF REGISTRATION NO. X-0000

1000A POWER STORAGE 20 SYSTEM NOTES

- 100KWH RATED ENERGY STORAGE
- OFFGRID CONTINUOUS: 62.5KW / 260.4A
- QTY (20) 8.5KW / 26A RATED PEAK DC COUPLED PV MPPT CHANNELS. 6.25KW MAX PV/MPPT POWER PER CHANNEL.
- QTY (10) 6.25KW AC COUPLED PV INPUTS AT GEN TERMINAL
- MAXIMUM AC+DC COUPLED SOLAR COMBINATION: 12.5KW / BATTERY STACK
- 240KW / 1000A GRID PASS THROUGH
- CHARGE RATE: 3.25KW / INVERTER  
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	 	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.  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.
(EBO)	EQUIPMENT FURNISHED AND INSTALLED BY OTHERS		
(XM)	EQUIPMENT EXISTING TO REMAIN		
SPD	SURGE PROTECTION DEVICE		
TYP	TYPICAL THROUGHOUT DRAWING		
AF	SWITCH DISCONNECT FUSE RATING		



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INTER-DISCIPLINE REVIEW											DSGN			SAVANT POWER		JOB NUMBER	REV	
DISC	ARCH	CIVIL	ELECT	I&C	MECH	STRUCT							DRN	MAW	12-10-2025			
DATE	*	*	*	*	*	*							CKD	JP				
INIT	*	*	*	*	*	*	00	VERSION 00	12-10-2025	MAW			SCALE: AS NOTED					
							REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD					

RESIDENTIAL MICROGRID		DRAWING NUMBER
1000A: 62.5KW - 100KWH ESS PS20 ONELINE DIAGRAM (120/240V)		009-2572-00

CERTIFICATE OF REGISTRATION NO. X-0000