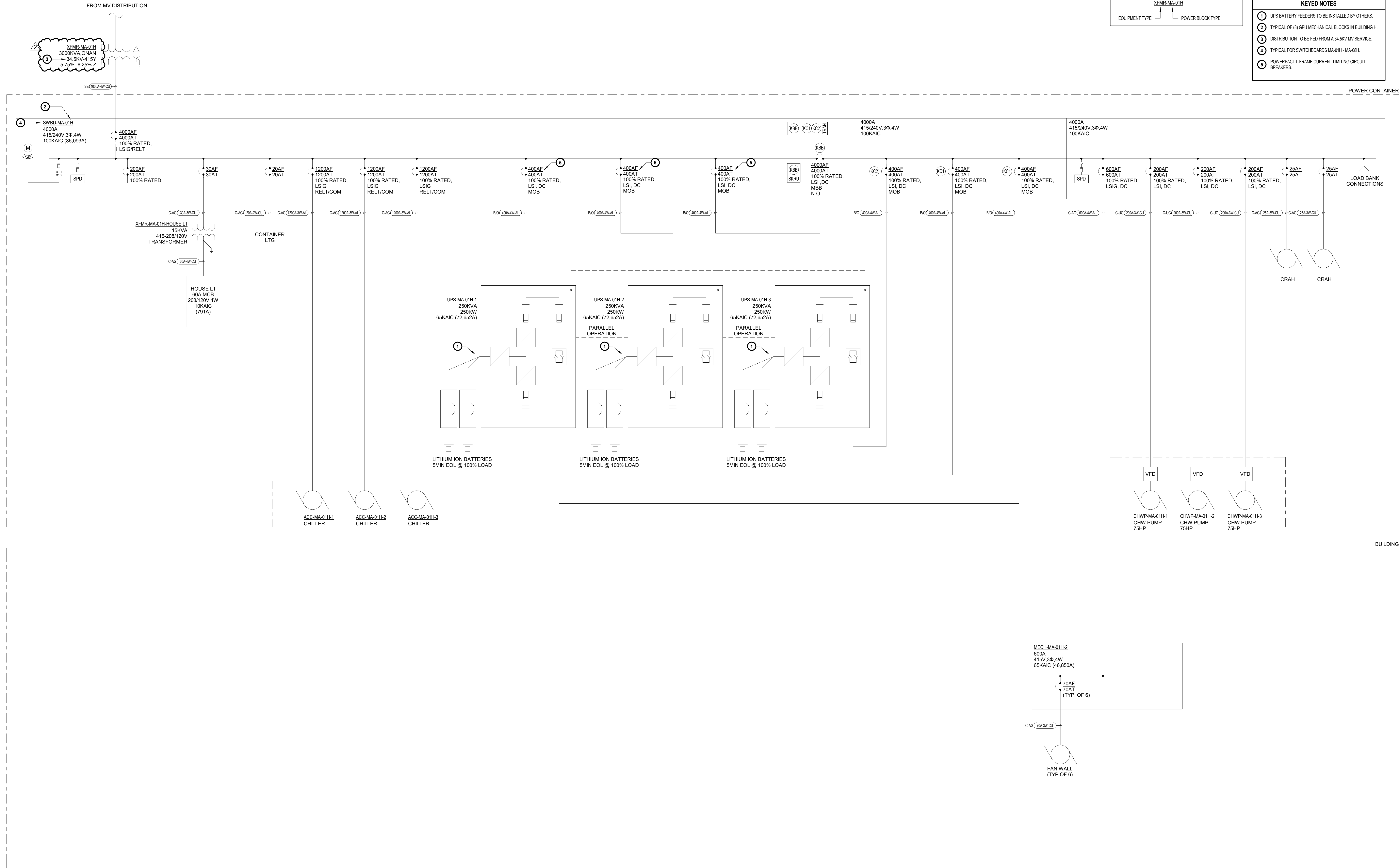


11/7/2025 1:50:27 PM E07-12A ELECTRICAL ONE-LINE - SWBD-MA-01H

1 06 - ONE-LINE - SWBD-MA-01H  
1/8" = 1'-0"



BREAKER FUNCTION ABBREVIATIONS	
COM -	BREAKER SUPPLIED WITH COMM. MODULE
DC -	BREAKER SUPPLIED WITH DRY CONTACTS
IC -	100% INSULATED CASE BREAKER
LSI -	LONG TIME, SHORT TIME, INSTANTANEOUS
LSIG -	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND
LSIA -	LONG TIME, SHORT TIME, INSTANTANEOUS, & GROUND FAULT ALARM ONLY
MDGF -	MODIFIED DIFFERENTIAL GROUND FAULT
REL.T -	REDUCE ENERGY LET THRU
ST -	SHUNT TRIP
TUM -	TRIP UNIT METERING

UPS BREAKER ABBREVIATIONS	
MB -	MAIN INPUT BREAKER (UPS)
MOB -	MAIN OUTPUT BREAKER (UPS)
MBB -	MAINT. BYPASS BREAKER (UPS)

POWER BLOCK NAMING SCHEME	
ITERATION NUMBER	BUILDING LETTER
XFMR-MA-01H	
EQUIPMENT TYPE	POWER BLOCK TYPE

FEEDER NAMING SCHEME	
OCPO SIZE (AMPS)	CONDUCTOR MATERIAL
CAG (60A-3W-CU)	WIRE QTY
CONDUCTOR CONVEYANCE	VOLTAGE CLASSUSAGE
MATERIAL LEGEND	
AL	ALUMINUM
CU	COPPER
CONVEYANCE LEGEND	
C-AG	ABOVE-GRADE CONDUIT
C-BG	BELOW-GRADE CONDUIT
CB	CABLE BUS
CT	CABLE TRAY
BIO	FEEDER BY OTHERS (FOR REFERENCE ONLY)
VOLTAGE CLASSUSAGE LEGEND	
[BLANK]	800V, LOW-VOLTAGE DISTRIBUTION
MV	34.5KV, MEDIUM-VOLTAGE DISTRIBUTION

KEYED NOTES	
1	UPS BATTERY FEEDERS TO BE INSTALLED BY OTHERS.
2	TYPICAL OF (B) GPU MECHANICAL BLOCKS IN BUILDING H.
3	DISTRIBUTION TO BE FED FROM A 34.5KV MV SERVICE.
4	TYPICAL FOR SWITCHBOARDS MA-01H - MA-08H.
5	POWERPACT L-FRAME CURRENT LIMITING CIRCUIT BREAKERS.



ISSUES		
1	01.31.2025	100% ISSUE FOR PERMIT
2	08.08.2025	ISSUE FOR CONSTRUCTION

REVISIONS		
1	04/09/2025	PCR05
2	11/07/2025	BULLETIN 04

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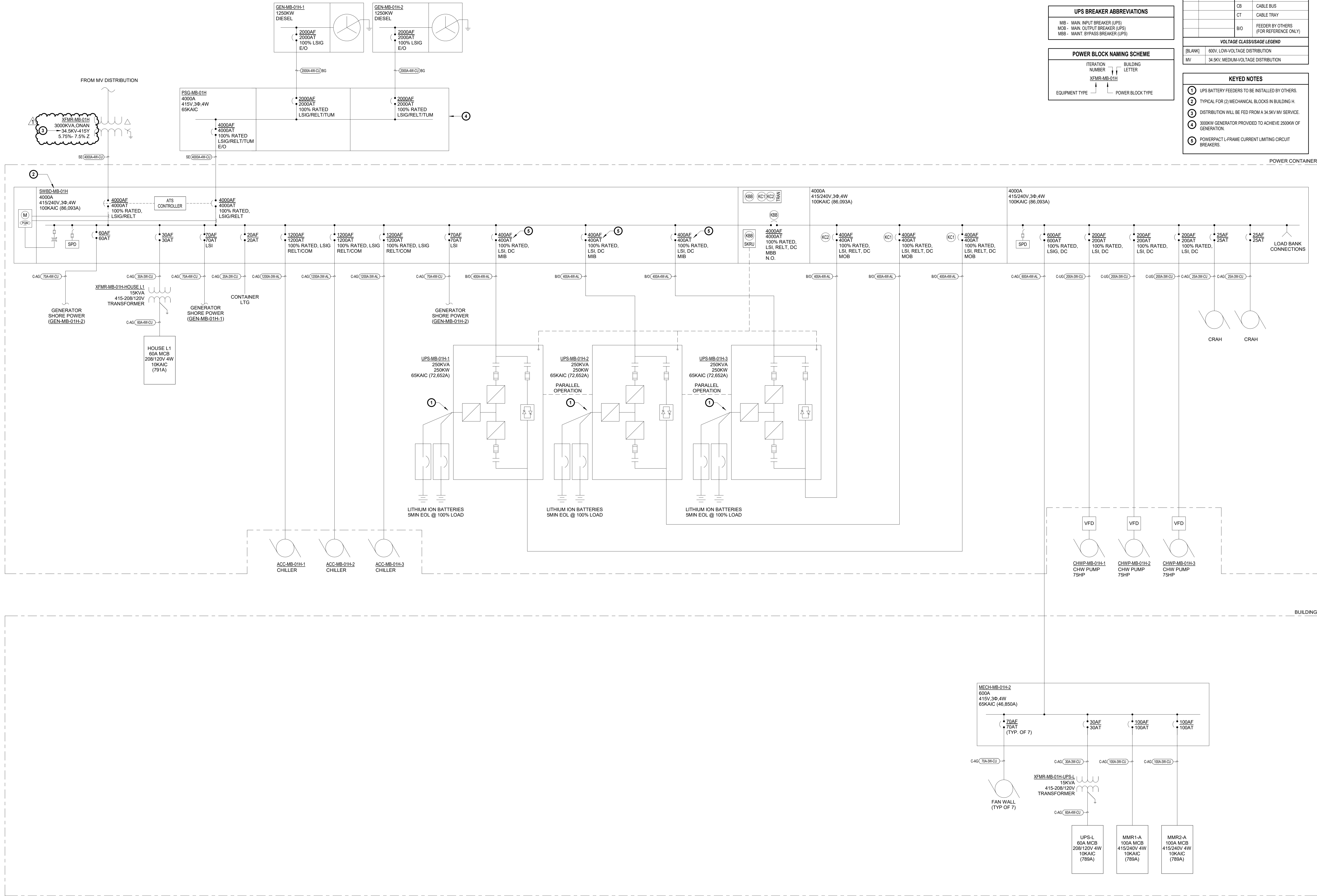
ELECTRICAL  
ONE-LINE -  
SWBD-MA-01H

JOB 240129.01  
DATE 11.07.2025  
SHEET

E07-12A



06 - ONE-LINE - SWBD-MB-01H  
1/8" = 1'-0"



BREAKER FUNCTION ABBREVIATIONS	
COM	BREAKER SUPPLIED WITH COMM. MODULE
DC	BREAKER SUPPLIED WITH DRY CONTACTS
IC	100% INSULATED CASE BREAKER
LSI	LONG TIME, SHORT TIME, INSTANTANEOUS
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND
LSIA	LONG TIME, SHORT TIME, INSTANTANEOUS, & GROUND FAULT ALARM ONLY
MDGF	MODIFIED DIFFERENTIAL GROUND FAULT
RELT	REDUCE ENERGY LET THRU
ST	SHUNT TRIP
TUM	TRIP UNIT METERING

UPS BREAKER ABBREVIATIONS	
MB	MAIN INPUT BREAKER (UPS)
MOB	MAIN OUTPUT BREAKER (UPS)
MBB	MAINT. BYPASS BREAKER (UPS)

POWER BLOCK NAMING SCHEME	
ITERATION NUMBER	BUILDING LETTER
XFMR-MB-01H	
EQUIPMENT TYPE	POWER BLOCK TYPE

FEEDER NAMING SCHEME	
OCPO SIZE (AMPS)	CONDUCTOR MATERIAL
CAD (600A-3H-CU)	WIRE QTY
CONDUCTOR CONVEYANCE	VOLTAGE CLASS/USAGE

MATERIAL LEGEND	CONVEYANCE LEGEND
AL ALUMINUM	C-AG ABOVE-GRADE CONDUIT
CU COPPER	C-BG BELOW-GRADE CONDUIT
	CB CABLE BUS
	CT CABLE TRAY
	B/O FEEDER BY OTHERS (FOR REFERENCE ONLY)

VOLTAGE CLASS/USAGE LEGEND	
[BLANK]	600V, LOW-VOLTAGE DISTRIBUTION
MV	34.5KV, MEDIUM-VOLTAGE DISTRIBUTION

KEYED NOTES	
1	UPS BATTERY FEEDERS TO BE INSTALLED BY OTHERS
2	TYPICAL FOR (2) MECHANICAL BLOCKS IN BUILDING H.
3	DISTRIBUTION WILL BE FED FROM A 34.5KV MV SERVICE.
4	3000KW GENERATOR PROVIDED TO ACHIEVE 2500KW OF GENERATION
5	POWERFACT L-FRAME CURRENT LIMITING CIRCUIT BREAKERS.

### ISSUES

1	01.31.2025	100% ISSUE FOR PERMIT
2	08.08.2025	ISSUE FOR CONSTRUCTION

### REVISIONS

1	11/07/2025	BULLETIN 04
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ELECTRICAL  
ONE-LINE -  
SWBD-MB-01H

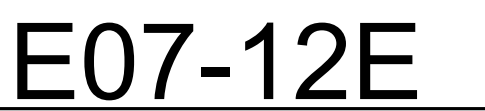
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DATE 11.07.2025  
SHEET





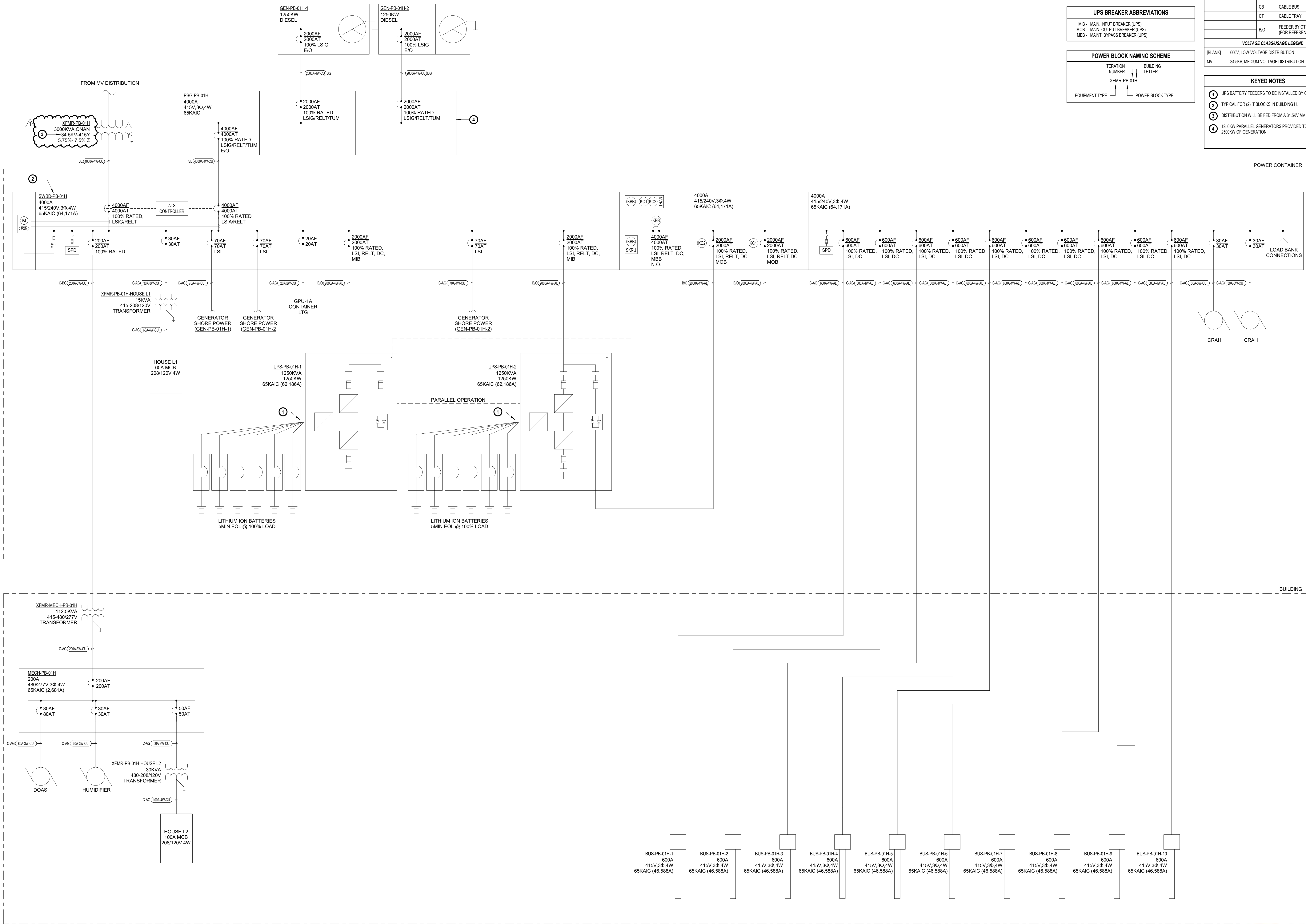






11/7/2025 1:50:54 PM E07-12F ELECTRICAL ONE-LINE - SWBD-PB-01H

06 - ONE-LINE - SWBD-PB-01H  
1/8" = 1'-0"



BREAKER FUNCTION ABBREVIATIONS	
COM	BREAKER SUPPLIED WITH COMM. MODULE
DC	BREAKER SUPPLIED WITH DRY CONTACTS
C	100% INSULATED CASE BREAKER
LSI	LONG TIME, SHORT TIME, INSTANTANEOUS
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND
LSIA	LONG TIME, SHORT TIME, INSTANTANEOUS, & GROUND FAULT ALARM ONLY
MODF	MODIFIED DIFFERENTIAL GROUND FAULT
REL	REDUCE ENERGY LET THRU
ST	SHUNT TRIP
TUM	TRIP UNIT METERING

UPS BREAKER ABBREVIATIONS	
MB	MAIN INPUT BREAKER (UPS)
MOB	MAIN OUTPUT BREAKER (UPS)
MBB	MAINT. BYPASS BREAKER (UPS)

POWER BLOCK NAMING SCHEME	
ITERATION NUMBER	BUILDING LETTER
XFMR-PB-01H	
EQUIPMENT TYPE	POWER BLOCK TYPE

FEEDER NAMING SCHEME	
OCDD SIZE (AMPS)	CONDUCTOR MATERIAL
CAG	400A-3R-AL
CONDUCTOR CONVEYANCE	WIRE QTY
VOLTAGE CLASSUSAGE	
CONVEYANCE LEGEND	
MATERIAL LEGEND	CONVEYANCE LEGEND
AL	ALUMINUM
CU	COPPER
CAG	ABOVE-GRADE CONDUIT
C-BG	BELOW-GRADE CONDUIT
CB	CABLE BUS
CT	CABLE TRAY
BO	FEEDER BY OTHERS (FOR REFERENCE ONLY)
VOLTAGE CLASSUSAGE LEGEND	
[BLANK]	600V, LOW-VOLTAGE DISTRIBUTION
MV	34.5KV, MEDIUM-VOLTAGE DISTRIBUTION

KEYED NOTES	
①	UPS BATTERY FEEDERS TO BE INSTALLED BY OTHERS
②	TYPICAL FOR (2) IT BLOCKS IN BUILDING H.
③	DISTRIBUTION WILL BE FED FROM A 34.5KV MV SERVICE.
④	1250KW PARALLEL GENERATORS PROVIDED TO ACHIEVE 2500KW OF GENERATION.



ISSUES		
1	01.31.2025	100% ISSUE FOR PERMIT
2	08.08.2025	ISSUE FOR CONSTRUCTION

REVISIONS		
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ELECTRICAL  
ONE-LINE -  
SWBD-PB-01H

JOB 240129.01  
DATE 11.07.2025  
SHEET



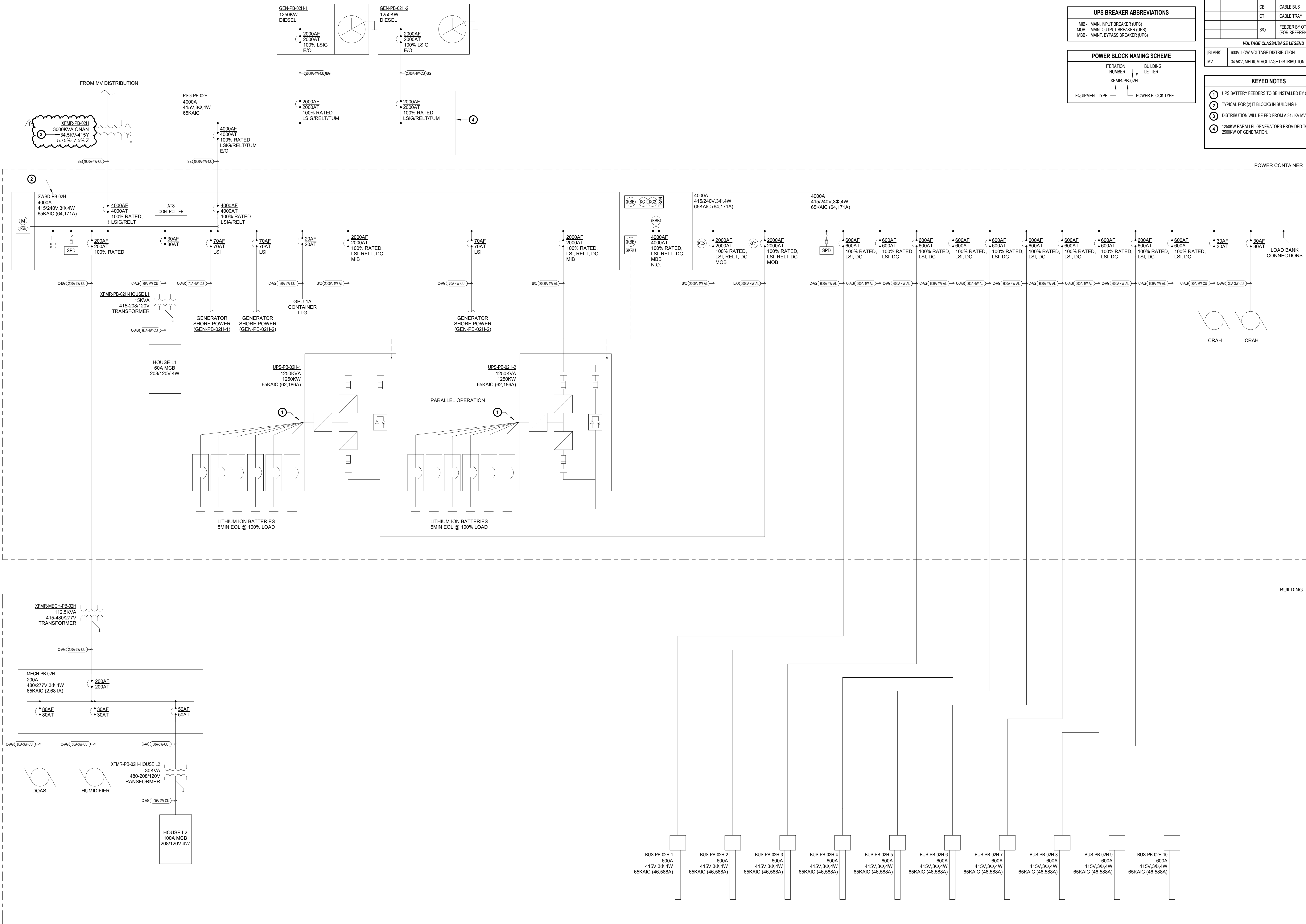
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11/7/2025 1:51:01 PM E07-12G ELECTRICAL ONE-LINE - SWBD-PB-02H

06 - ONE-LINE - SWBD-PB-02H

1/8" = 1'-0"



BREAKER FUNCTION ABBREVIATIONS	
COM	BREAKER SUPPLIED WITH COMM. MODULE
DC	BREAKER SUPPLIED WITH DRY CONTACTS
C	100% INSULATED CASE BREAKER
LSI	LONG TIME, SHORT TIME, INSTANTANEOUS
LSIG	LONG TIME, SHORT TIME, INSTANTANEOUS, GROUND
LSIA	LONG TIME, SHORT TIME, INSTANTANEOUS, & GROUND FAULT ALARM ONLY
WDGF	MODIFIED DIFFERENTIAL GROUND FAULT
RELT	REDUCE ENERGY LET THRU
ST	SHUNT TRIP
TUM	TRIP UNIT METERING

UPS BREAKER ABBREVIATIONS	
MB	MAIN INPUT BREAKER (UPS)
MOB	MAIN OUTPUT BREAKER (UPS)
MBB	MAIN BYPASS BREAKER (UPS)

POWER BLOCK NAMING SCHEME	
ITERATION NUMBER	BUILDING LETTER
XFMR-PB-02H	
EQUIPMENT TYPE	POWER BLOCK TYPE

FEEDER NAMING SCHEME			
OCPO SIZE (AMPS)	C-AG (800A-3W-AL)	CONDUCTOR MATERIAL	
CONDUCTOR CONVEYANCE		WIRE QTY	
		VOLTAGE CLASS/USAGE	
MATERIAL LEGEND		CONVEYANCE LEGEND	
AL	ALUMINUM	C-AG	ABOVE-GRADE CONDUIT
CU	COPPER	C-BG	BELOW-GRADE CONDUIT
		CB	CABLE BUS
		CT	CABLE TRAY
		B/O	FEEDER BY OTHERS (FOR REFERENCE ONLY)
VOLTAGE CLASS/USAGE LEGEND			
[BLANK]	600V, LOW-VOLTAGE DISTRIBUTION		
MV	34.5KV, MEDIUM-VOLTAGE DISTRIBUTION		

KEYED NOTES	
1	UPS BATTERY FEEDERS TO BE INSTALLED BY OTHERS.
2	TYPICAL FOR (2) IT BLOCKS IN BUILDING H.
3	DISTRIBUTION WILL BE FED FROM A 34.5KV MV SERVICE.
4	1250KW PARALLEL GENERATORS PROVIDED TO ACHIEVE 2500KW OF GENERATION.



ISSUES		
1	01.31.2025	100% ISSUE FOR PERMIT
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REVISIONS		
1	11/07/2025	BULLETIN 04

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ELECTRICAL  
ONE-LINE -  
SWBD-PB-02H

JOB 240129.01  
DATE 11.07.2025  
SHEET

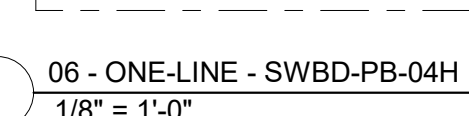


Telios Corporation  
146 Payne Street  
Dallas, TX 75207  
214.744.6199  
Texas Registration  
#F-6494

E07-12G







**POWER BLOCK NAMING SCHEME**

ITERATION NUMBER      BUILDING LETTER

XFMR-PB-04H

EQUIPMENT TYPE      POWER BLOCK TYPE

### KEYED NOTES

- 1 UPS BATTERY FEEDERS TO BE INSTALLED BY OTHERS.
- 2 TYPICAL FOR (16) IT BLOCKS IN BUILDINGS B, C, D, F, G, & H
- 3 DISTRIBUTION WILL BE FED FROM A 34.5KV MV SERVICE.
- 4 1250KW PARALLEL GENERATORS PROVIDED TO ACHIEVE 2500KW OF GENERATION.

ISSUES		
1	01.31.2025	100% ISSUE FOR PERMIT
2	08.08.2025	ISSUE FOR CONSTRUCTION

△	REVISIONS
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08.08.2025

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ELECTRICAL  
ONE-LINE -  
SWBD-PB-04H

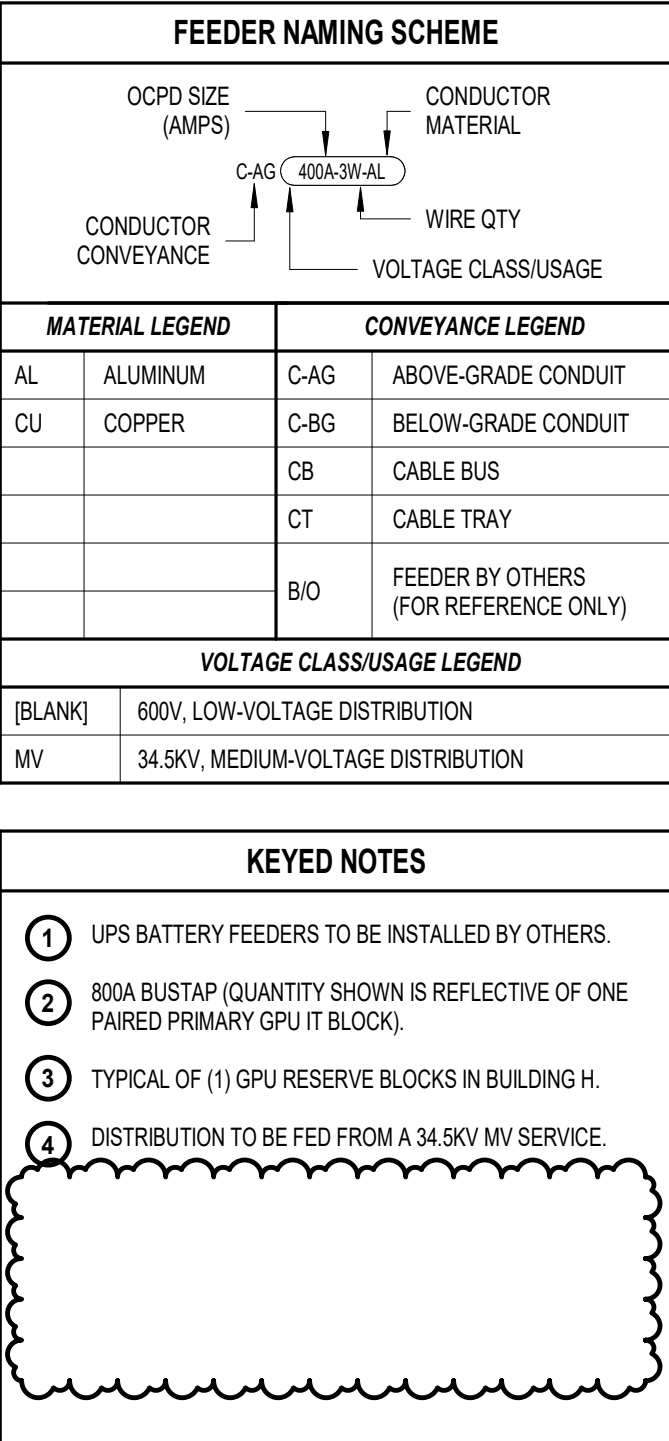
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**DATE** 08.08.2025  
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E07-121









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E07-12L