



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE LOCAL AND NATIONAL CODES.
2. PLEASE REFER TO PRODUCT MANUAL FOR DETAILS.
3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT, PLEASE REFER TO MECHANICAL DRAWINGS FOR PHYSICAL LAYOUT.
4. ALL BREAKERS SHALL BE 100% CONTINUOUS DUTY RATED AND COORDINATED WITH REQUIRED SYSTEM SETTINGS AS DETAILED IN SYMMETRA MW INSTALLATION MANUAL. BREAKER SIZING IS BASED ON NOMINAL MAINS VOLTAGE.
- △ 5. AC SOURCE MUST BE 480VAC, WYE CONNECTED, 3W+G, EITHER SOLIDLY OR HIGH RESISTANCE GROUND (CONTACT Schneider Electric IF OTHER). REFER TO INSTALLATION MANUAL FOR UPSTREAM CIRCUIT BREAKER REQUIREMENTS.
- △ 6. AC CABLING SHALL BE 600V RATED, 3-WIRE + GROUND.
- △ 7. DC SOURCE SHALL BE MINIMUM (2) 384VDC HALF-STRINGS, 2-WIRE + GROUND.
- △ 8. DC CABLING SHALL BE 600V RATED, 2-WIRE + GROUND, EACH CIRCUIT TO BE RUN IN SEPARATE CONDUITS, POSITIVE, NEGATIVE + GROUND. SEE 5-LINE DIAGRAM FOR DETAILS.
9. BATTERY SIZING IS BASED ON A MAXIMUM 1-VOLT DROP PER HALF-STRING AT NOMINAL RATED DC CURRENT. CONSULTING ENGINEER SHALL ADJUST CABLE SIZE BASED ON INSTALLATION PARAMETERS.
- △ 10. THIS SYSTEM SHALL BE INSTALLED AS A SEPARATELY DERIVED SYSTEM IN ACCORDANCE WITH LOCAL AND NATIONAL CODES; N.E.C. 250.30(a)(3). THE GROUNDING ELECTRODE CONDUCTOR (GEC) IS PROVIDED BY OTHERS.
- △ 11. KEY INTERLOCKS WITH SKRU, SCHEME 39, BETWEEN Q3 & Q2, ARE OPTIONAL AND ARE NOT INCLUDED AS STANDARD WITH THE SYSTEM. KEY INTERLOCKS WITH SKRU, SCHEME 29, BETWEEN Q2 & LBB, ARE OPTIONAL AND ARE NOT INCLUDED AS STANDARD WITH THE SYSTEM. LBB IS OPTIONAL AND IS NOT INCLUDED AS STANDARD WITH THE SYSTEM.
- △ 12. UPS INPUT SOURCE AND BYPASS SOURCE MUST BE IN PHASE FOR APC SYMMETRA MW UPS.
13. CABLE LUGS ARE PROVIDED BY OTHERS.

LEGEND:

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AC CABLE (PROVIDED BY OTHERS)

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DC CABLE (PROVIDED BY OTHERS)

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AC BUS

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INTERLOCK

DEVICE	CURRENT	RATED SHORT CIRCUIT CURRENT
UPS AC IN	1364A	200,000A SYMMETRICAL
UPS AC OUT	1203A	200,000A SYMMETRICAL
UPS DC	1356A	50,000A SYMMETRICAL
SSW	1203A	200,000A SYMMETRICAL
DC DISCONNECT	1356A	25,000A SYMMETRICAL

DEVICE	FRAME TRIP	RMS SYM	ACCESSORIES
Q1, Q2	1600AT	65kAIC	24VDC SHUNT TRIP, 2A/2B AUX CONTACT
Q3	5000AT	65kAIC	120VAC SHUNT TRIP, 4A/4B AUX CONTACT
Q4, LBB	5000AT	65kAIC	24VDC SHUNT TRIP, 4A/4B AUX CONTACT
Q7, Q8	1600AT	25kAIC	24VDC UNDERVOLT TRIP, 2A/2B AUX CONTACT

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Schneider Electric

TITLE:SYMMETRA MW IP  
INPUT: 480VAC, 3Ø, SINGLE MAIN, SINGLE FEED  
OUTPUT: 480VAC, 3Ø, 4000KW, 4-MODULE, CAPACITY  
SINGLE-LINE DIAGRAM

DWG NO:SYMFIP1000K4000G1C4-SD

PROJECT: STD SUBMITTAL DRAWING

SHEET: 1 OF 1

APPROVED: B SHERIDAN/R HANSEN

13-JAN-15

REV.0

PROJ ANGLE N/A