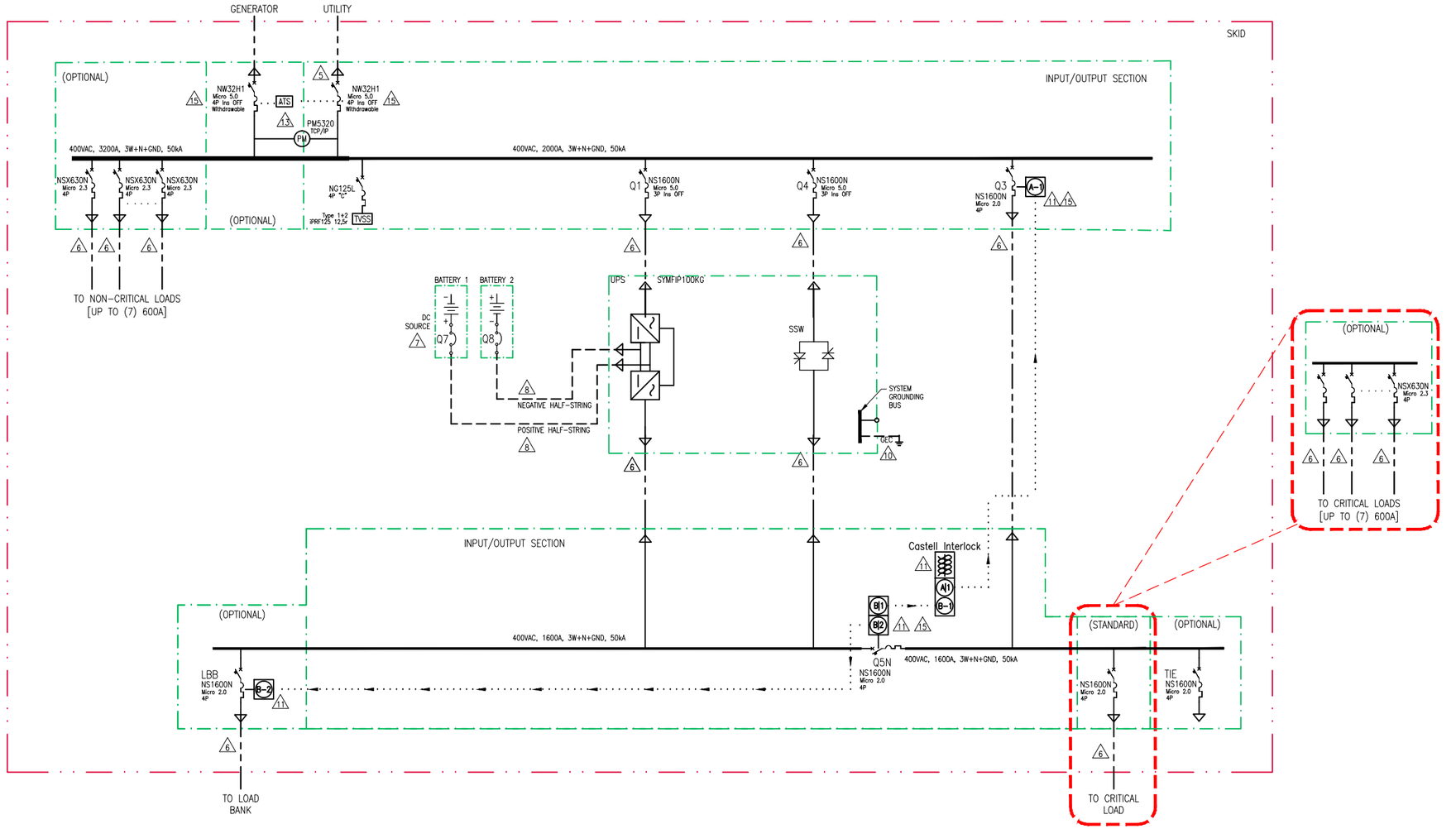
DEVICE	FRAME TRIP	RMS SYM	TYPE	ACCESSORIES
Q1	1600A	50kA	MCCB	24DC SHUNT TRIP, 3A/3B AUX CONTACT
Q4, LBB	1600A	50kA	MCCB	24DC SHUNT TRIP, 3A/3B AUX CONTACT
Q3	1600A	50kA	MCCB	120DC SHUNT TRIP, 3A/3B AUX CONTACT
OPTIONALS	630 /1600A	50kA	MCCB	3A/3B AUX CONTACT
MAIN BREAKER	3200A	65kA	ACB	24DC SHUNT TRIP, 3A/3B AUX CONTACT. WITHDRAWABLE
ATS + MAIN BREAKER OPTION	3200A	65kA	ACB	2 X 400VAc MOTORIZED OPTION + AUX. ELEMENTS FOR ATS OPTION. WITHDRAWABLE △13

LEGEND:

- AC CABLE (PROVIDED BY OTHERS)
- DC CABLE (PROVIDED BY OTHERS)
- AC BUS
- INTERLOCK



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 G7 500kW INSTALLATION MANUAL. BREAKER SIZING IS BASED ON NOMINAL MAINS VOLTAGE.
5. AC SOURCE SHALL BE 400VAC, 5-WIRE, 3Ph+N+GND.
6. AC CABLING SHALL BE 1000V RATED, 3-WIRE+ Neutral + GROUND.

△7. DC SOURCE SHALL BE 2X 384VDC NOMINAL HALF STRINGS, 2-WIRE + GROUND.

△8. DC CABLING SHALL BE 1000V RATED, 2-WIRE + GROUND, EACH CIRCUIT TO BE △ RUN IN SEPARATE CONDUITS, POSITIVE, NEGATIVE + GROUND.

△9. (NOT USED)

10. THE GROUNDING ELECTRODE CONDUCTOR (GEC) IS PROVIDED BY OTHERS.
11. KEY INTERLOCKS WITH CASTELL INTERLOCK AS SHOWN.

△12. CABLE LUGS ARE PROVIDED BY OTHERS.

△13. ATS CONTROLLER TO BE SCHNEIDER ELECTRIC ACP+ UA CONTROLLER + RCP ACTI 9 THREE PHASES CONTROL RELAY + WIRE INTERLOCK AS STANDARD. (ATS TRANSITION OPEN)

△ OPTIONAL: UA WOODWARD DTCS-200 + MOTORIZED MAIN BREAKERS (ATS TRANSITION CLOSE)

14. UPS OUTPUT CABLES TO BE LONGER THAN 6 METERS AND EACH CABLE SHOULD BE THE SAME LENGTH.

△15. UTILITY, GENERATOR, Q3 AND Q5N CIRCUIT BREAKERS MAY BE 3 POLES AS THE APPLICATION REQUIRES. OTHER METERING OPTIONS CAN BE ADDED UPON REQUEST.

NOT FOR CONSTRUCTION

FILENAME/PATH: S:\SYSTEMS_ENGINEERING\MODULAR DATACENTER PROJECTS\INTERNATIONAL POWER SKID PROJECT\SINGLE LINE DRAWING\POWER SKID SYMW ELECTRICAL ONELINE REV01.DWG

REV	DESCRIPTION	DRWN	DATE	ENGR	DATE	APPR	DATE
2	ADDED NOTE 15	L. PERRY	03MAR2016				
1	INITIAL RELEASE	L. PERRY	02FEB2016	----	----	----	-----

REVISIONS

Schneider Electric

TITLE: SYMW POWER SKID
INPUT: 400VAC, SINGLE MAIN, 5W
OUTPUT: 400VAC, 1000kW, 5W
SINGLE-LINE DIAGRAM

PROJECT: MAN REP | SHEET 1 OF 1

DWG NO: ---- ---- ---- ---- REV. 2

DRAWN:	----	DD-MMM-YY
ENGINEER:	----	DD-MMM-YY
APPROVED:	----	DD-MMM-YY

PROJ ANGLE N/A

△