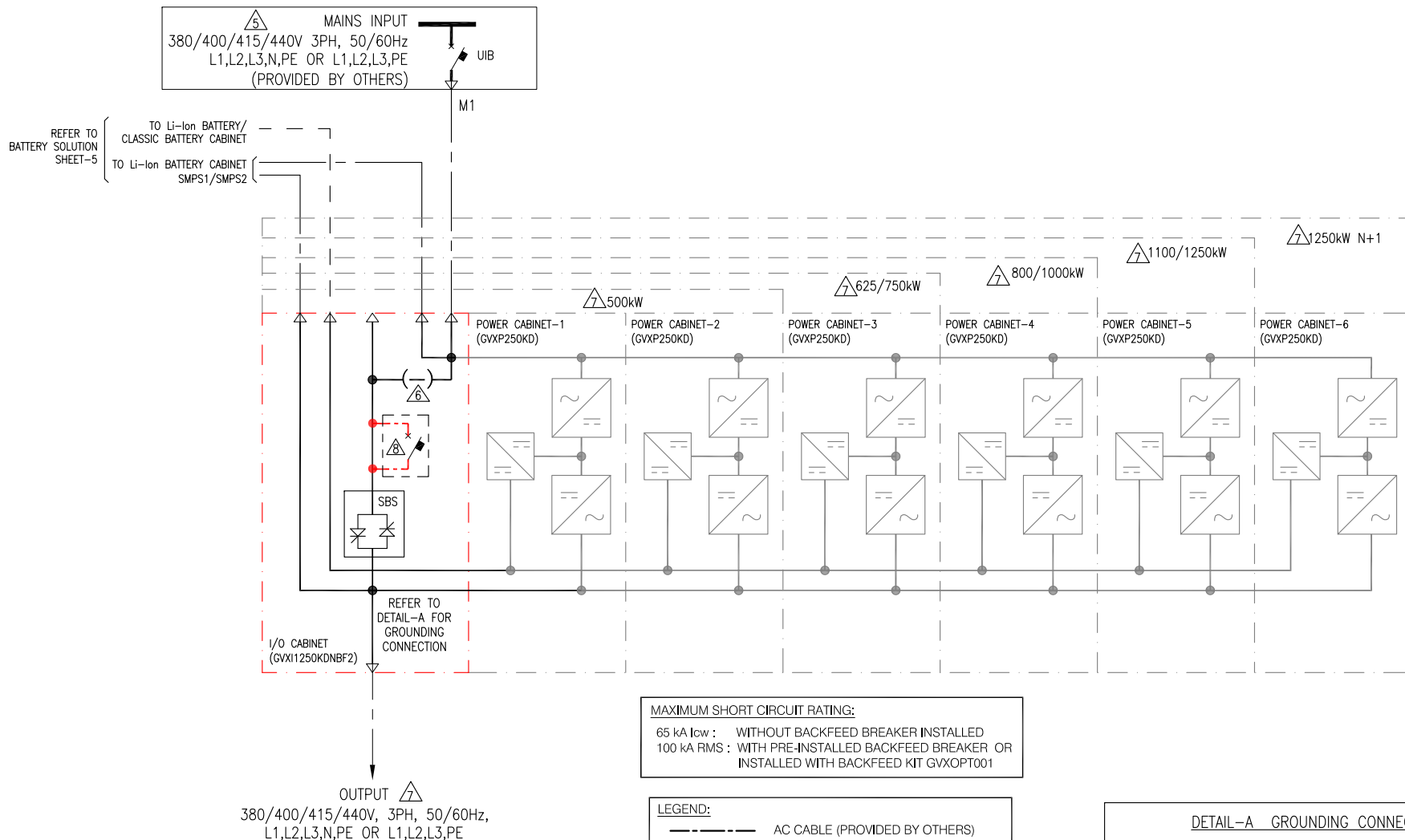
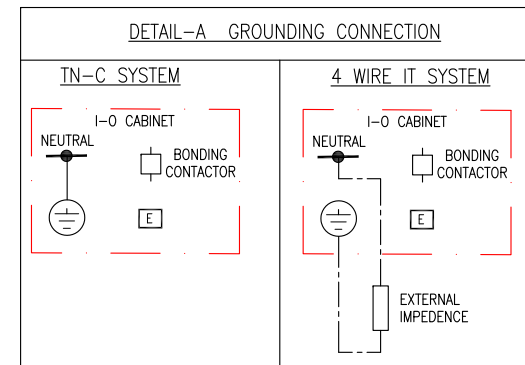


1 UPS SYSTEM WITHOUT MBP – SINGLE MAINS



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT LAYOUT.
4. FINAL SELECTIONS ARE RESPONSIBILITY OF ENGINEER OF RECORDS BASED ON INSTALLED CONDITIONS AND SCC/SELECTIVE CO-ORDINATION/ARC-FLASH ANALYSIS.
5. TN, TT AND IT POWER DISTRIBUTION SYSTEMS ARE SUPPORTED. CORNER(LINE) GROUNDING IS NOT SUPPORTED.
6. SINGLE FEED KIT IS PRE INSTALLED, WHICH NEEDS TO REMOVED FOR DUAL MAINS INSTALLATIONS.
7. FOR SKU#s, CURRENT DATA AND RECOMMENDED OVER CURRENT PROTECTION DETAILS REFER TO SHEET-6.
8. USE BACKFEED PROTECTION FROM ONE OF THE BELOW:
 - A) THE UPSTREAM BREAKER (WITH UNDER VOLTAGE OR SHUNT TRIP) TO STATIC SWITCH.
 - B) OPTIONAL BACKFEED KIT SKU#:GVXOPT001 WHICH IS FIELD INSTALLABLE.
9. TYPICAL CONFIGURATION WITH POWER CABINETS SHOWN FOR ILLUSTRATION.



THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF SCHNEIDER ELECTRIC AND SHALL NOT BE COPIED, REPRODUCED OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION FROM SCHNEIDER ELECTRIC. THIS DRAWING IS BASED UPON LATEST AVAILABLE INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

Schneider Electric

TITLE: GALAXY VX
Input-Output Cabinet Without Backfeed
Input: 380/400/415/440V AC 3PH 50/60Hz
Output: 380/400/415/440V AC 3PH 50/60Hz 500-1250kVA
System One Line Diagram – Single mains without MBP

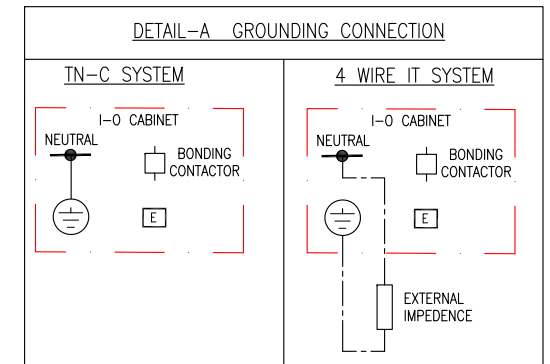
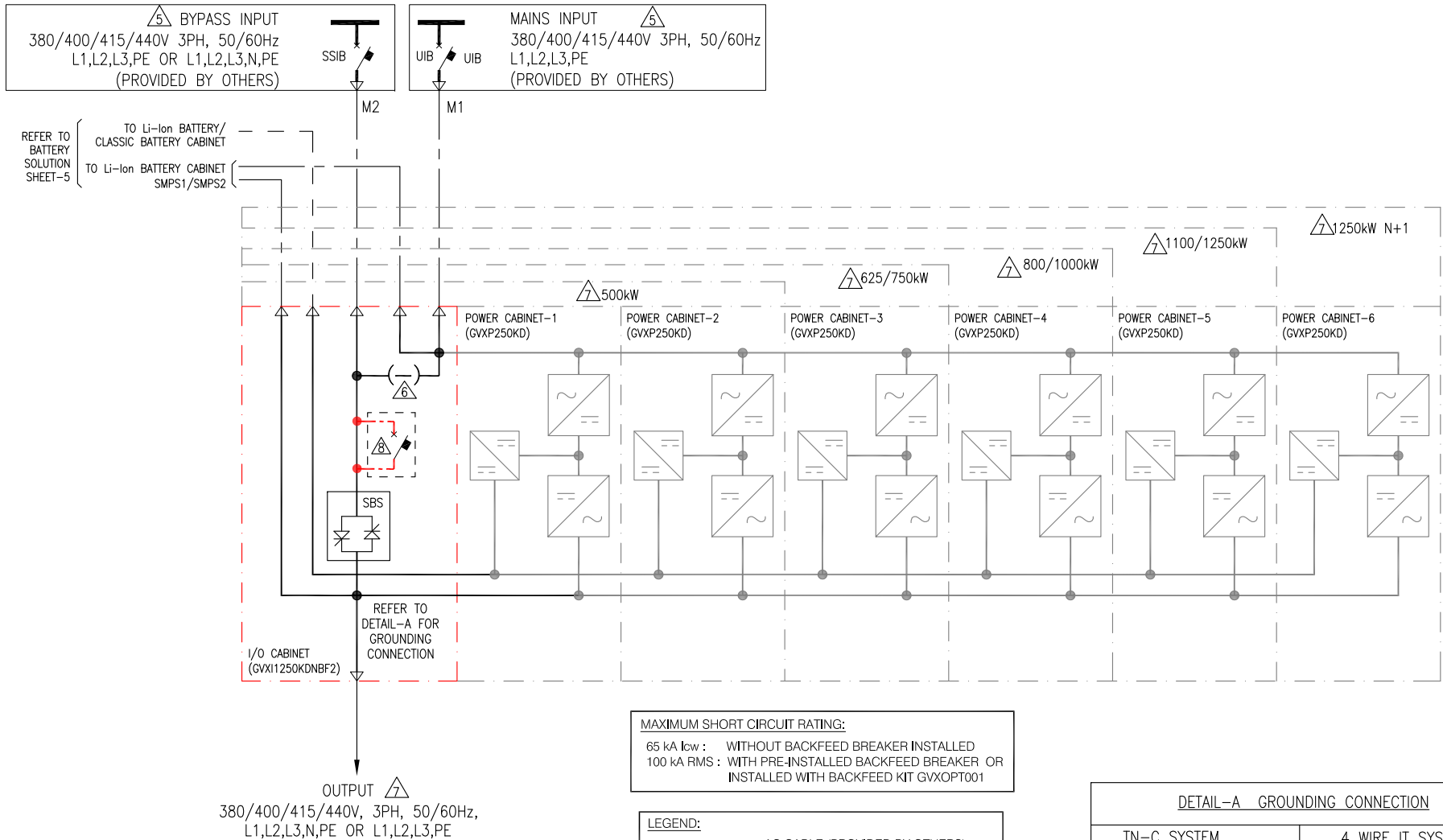
PROJECT: DRAWINGS **SHEET** 1 OF 6

DWG NO: GVXI1250KDNBF2NHS-SD

DRAWN BY: RANJITHA 10-NOV-22
ENGINEER: LARS LINDHOLM 11-NOV-22
APPROVED BY: SOEREN ANDERSEN 11-NOV-22

REV. 0
ANGLE PROJECTION
N.A.

1 UPS SYSTEM WITHOUT MBP – DUAL MAINS



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
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REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT LAYOUT.
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CONDITIONS AND SCC/SELECTIVE CO-ORDINATION/ARC-FLASH ANALYSIS.
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Schneider Electric

TITLE: GALAXY VX
Input-Output Cabinet Without Backfeed
Input: 380/400/415/440V AC 3PH 50/60Hz
Output: 380/400/415/440V AC 3PH 50/60Hz 500-1250kVA
System One Line Diagram – Dual Mains without MBP

PROJECT: DRAWINGS **SHEET** 2 OF 6

DWG NO: GVXI1250KDNBF2NHS-SD

DRAWN BY: RANJITHA 10-NOV-22

ENGINEER: LARS LINDHOLM 11-NOV-22

APPROVED BY: SOEREN ANDERSEN 11-NOV-22

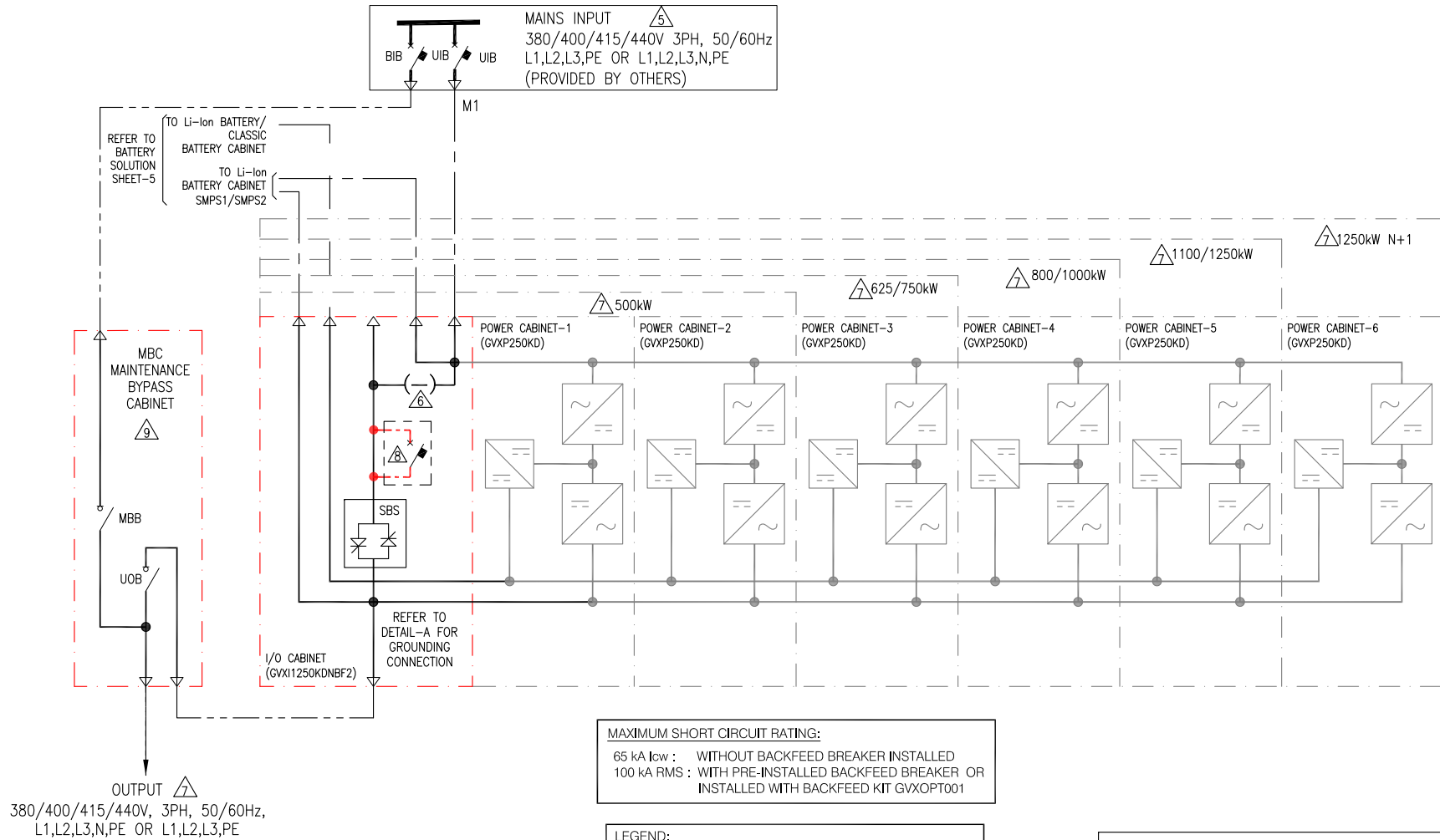
REV. 0

ANGLE

PROJECTION

N.A.

1 UPS SYSTEM WITH MBP – DUAL FEED



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
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8. USE BACKFEED PROTECTION FROM ONE OF THE BELOW:
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B) OPTIONAL BACKFEED KIT SKU#:GVXOPT001 WHICH IS FIELD INSTALLABLE.
9. ENGINEER TO ORDER ITEM. FOR DETAILS CONTACT SCHNEIDER ELECTRIC.
10. TYPICAL CONFIGURATION WITH POWER CABINETS SHOWN FOR ILLUSTRATION.

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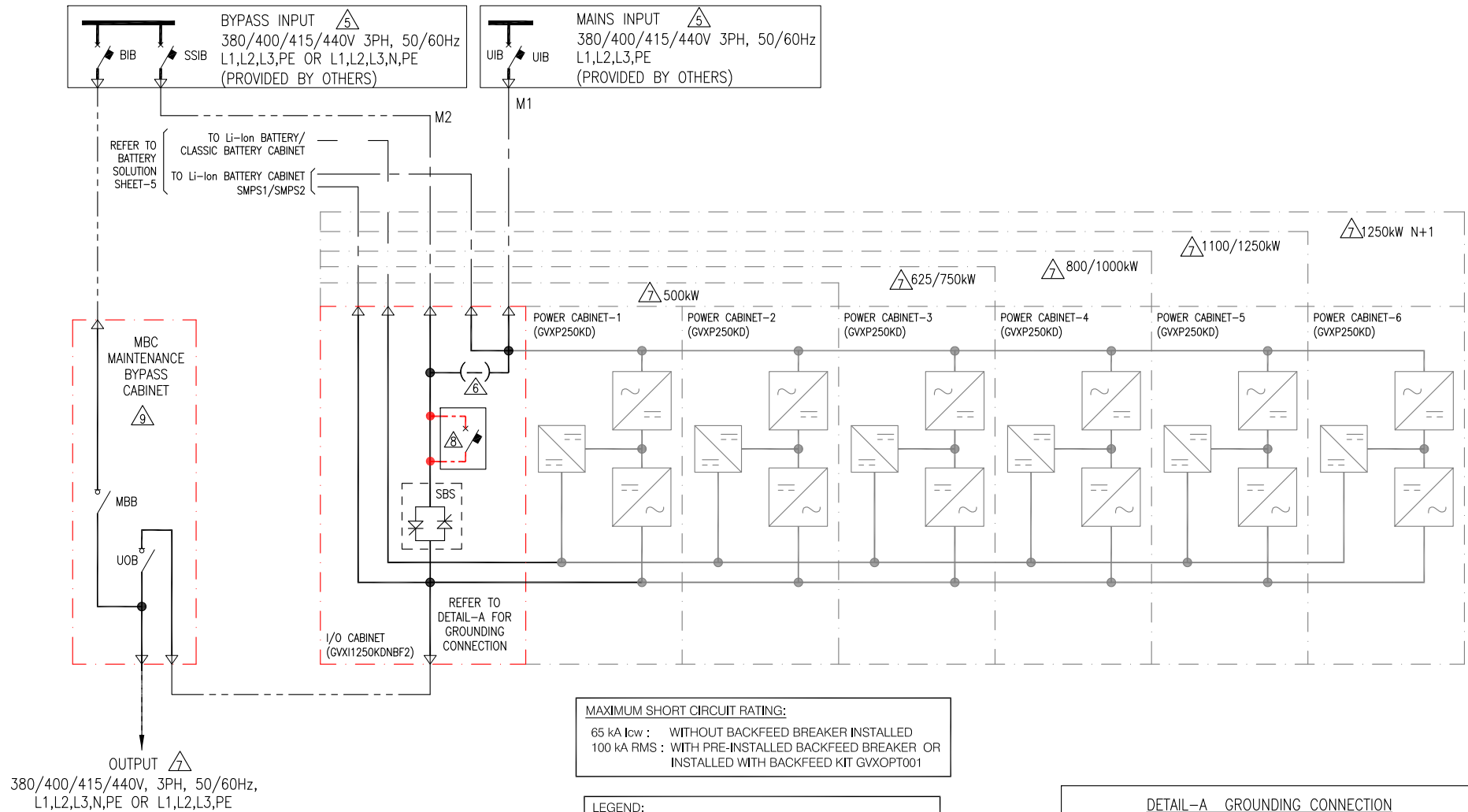
Schneider Electric

TITLE: GALAXY VX
Input-Output Cabinet Without Backfeed
Input: 380/400/415/440V AC 3PH 50/60Hz
Output: 380/400/415/440V AC 3PH 50/60Hz 500-1250kVA
System One Line Diagram – Dual feed with MBP

DWG NO: GVXI1250KDNBF2NHS-SD
DRAWN BY: RANJITHA
ENGINEER: LARS LINDHOLM
APPROVED BY: SOEREN ANDERSEN

REV. 0
ANGLE
PROJECTION
N.A.

1 UPS SYSTEM WITH MBP – DUAL MAINS



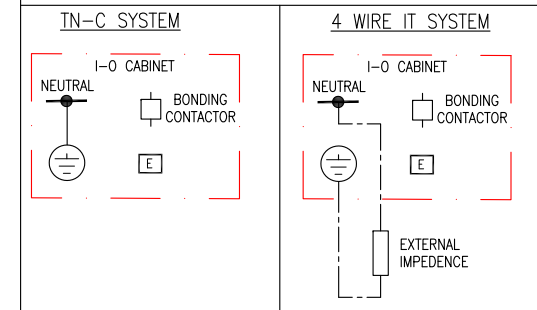
MAXIMUM SHORT CIRCUIT RATING:

65 kA Icw : WITHOUT BACKFEED BREAKER INSTALLED
100 kA RMS : WITH PRE-INSTALLED BACKFEED BREAKER OR
INSTALLED WITH BACKFEED KIT GVXOPT001

LEGEND:

--- AC CABLE (PROVIDED BY OTHERS)
--- 500VDC CABLE (PROVIDED BY OTHERS)
--- AC CABLE (OPTIONAL)

DETAIL-A GROUNDING CONNECTION



NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
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3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT.
REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT LAYOUT.
4. FINAL SELECTIONS ARE RESPONSIBILITY OF ENGINEER OF RECORDS BASED ON INSTALLED
CONDITIONS AND SCC/SELECTIVE CO-ORDINATION/ARC-FLASH ANALYSIS.
- ⚠️ TN, TT AND IT POWER DISTRIBUTION SYSTEMS ARE SUPPORTED. CORNER(LINE) GROUNDING IS NOT SUPPORTED.
- ⚠️ SINGLE FEED KIT IS PRE INSTALLED, WHICH NEEDS TO REMOVED FOR DUAL MAINS INSTALLATIONS.
- ⚠️ FOR CURRENT DATA AND RECOMMENDED OVER CURRENT PROTECTION DETAILS REFER TO SHEET-6.
- ⚠️ USE BACKFEED PROTECTION FROM ONE OF THE BELOW:

A) THE UPSTREAM BREAKER (WITH UNDER VOLTAGE OR SHUNT TRIP) TO STATIC SWITCH.

B) OPTIONAL BACKFEED KIT SKU#:GVXOPT001 WHICH IS FIELD INSTALLABLE.

⚠️ ENGINEER TO ORDER ITEM. FOR DETAILS CONTACT SCHNEIDER ELECTRIC.

10. TYPICAL CONFIGURATION WITH POWER CABINETS SHOWN FOR ILLUSTRATION.

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INFORMATION AND IS SUBJECT TO CHANGE WITHOUT NOTICE.

Schneider
Electric

TITLE: GALAXY VX
Input-Output Cabinet Without Backfeed
Input: 380/400/415/440V AC 3PH 50/60Hz
Output: 380/400/415/440V AC 3PH 50/60Hz 500-1250kVA
System One Line Diagram – Dual Mains with MBP
PROJECT: DRAWINGS **SHEET** 4 OF 6

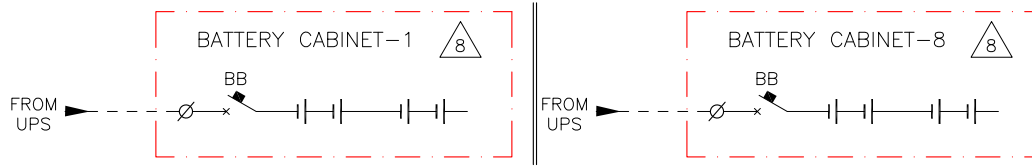
DWG NO: GVXI1250KDNBF2NHS-SD
DRAWN BY: RANJITHA 10-NOV-22
ENGINEER: LARS LINDHOLM 11-NOV-22
APPROVED BY: SOEREN ANDERSEN 11-NOV-22

REV. 0
ANGLE
PROJECTION
N.A.

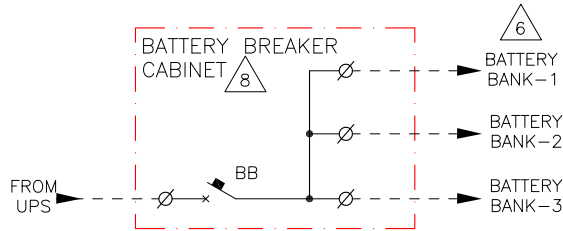
CLASSIC BATTERY CABINET(CBC) CONFIGURATION

CONNECTIONS FOR CABINETS- 2 TO 7
SAME AS CABINETS 1&8

5



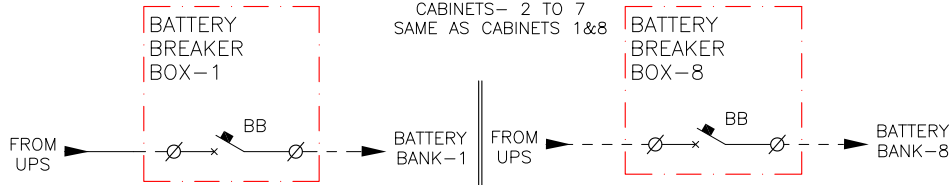
BATTERY BREAKER CABINET(BBC) CONFIGURATION



BATTERY BREAKER BOX(BBB) CONFIGURATION

7

CONNECTIONS FOR
CABINETS- 2 TO 7
SAME AS CABINETS 1&8



LEGEND:

--- AC CABLE (PROVIDED BY OTHERS)
--- 500VDC CABLE (PROVIDED BY OTHERS)

NOTES:

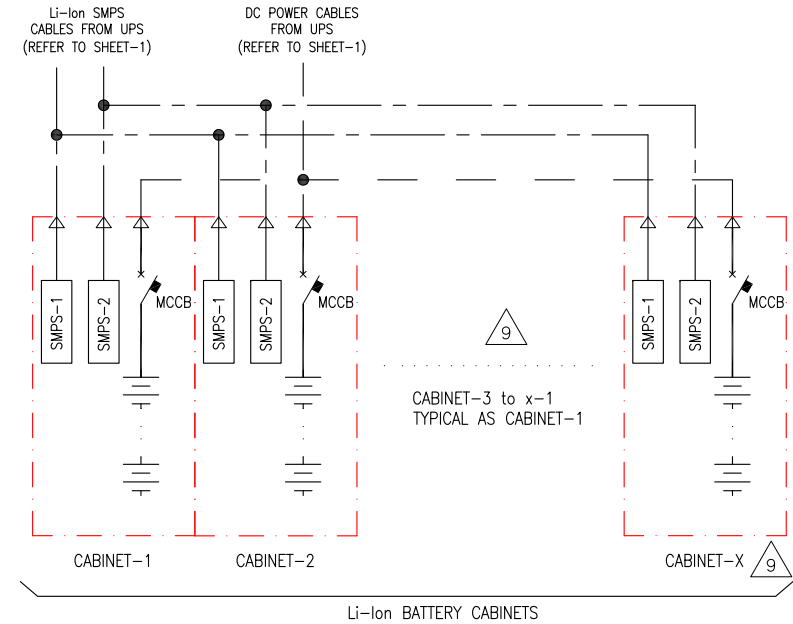
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL CODES.
2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
3. DRAWING DEPICTS POWER SYSTEM CONNECTIONS AND IS NOT REPRESENTATIVE OF PHYSICAL LAYOUT. REFER TO MECHANICAL DRAWINGS FOR EQUIPMENT LAYOUT.
4. FINAL SELECTIONS ARE RESPONSIBILITY OF ENGINEER OF RECORDS BASED ON INSTALLED CONDITIONS AND SCC/SELECTIVE CO-ORDINATION/ARC-FLASH ANALYSIS.
5. CONFIGURATION APPLICABLE FOR 6, 7 OR 8 NUMBER OF BATTERY STRINGS..
6. USE OF BBC IS MANDATORY IF NUMBER OF BATTERY STRINGS ARE 3 OR LESS.
7. CONFIGURATION APPLICABLE IF NUMBER OF BATTERY STRINGS ARE BETWEEN 4 AND 8.
8. BATTERY BREAKER RATING (PER STRING) IS 1000A IF NUMBER OF BATTERY STRINGS ARE FROM 4 OR 5.
9. BATTERY BREAKER RATING (PER STRING) IS 600A IF NUMBER OF BATTERY STRINGS ARE 6, 7 OR 8.
10. SKUs ARE ETO (ENGINEER TO ORDER) ITEMS.
11. REFER TO SHEET-6 FOR APPLICABLE NUMBER OF Li-Ion BATTERY RACKS FOR VARIOUS UPS RATINGS.

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Schneider Electric

TITLE: GALAXY VX
Input-Output Cabinet Without Backfeed
Input: 380/400/415/440V AC 3PH 50/60Hz
Output: 380/400/415/440V AC 3PH 50/60Hz 500-1250KVA
System One Line Diagram - Battery Solution
PROJECT: DRAWINGS **SHEET** 5 OF 6

DWG NO: GVXI1250KDNBF2NHS-SD **REV.** 0
DRAWN BY: RANJITHA 10-NOV-22 **ANGLE**
ENGINEER: LARS LINDHOLM 11-NOV-22 **PROJECTION**
APPROVED BY: SOEREN ANDERSEN 11-NOV-22 **N.A.**



GALAXY VX 1250KW IN-OUT CABINET WITH UPS AND BATTERIES SYSTEM SITE PLANNING DATA											
MAINS INPUT (SINGLE MAINS): 380/400/415/440V AC, 60HZ 3PH, 3 OR 4 WIRE+G BYPASS INPUT: 380/400/415/440V AC, 60HZ, 3PH, 3 OR 4 WIRE+G OUTPUT: 380/400/415/440V AC, 60HZ, 3PH, 3 OR 4 WIRE+G MAINS INPUT (DUAL MAINS): 380/400/415/440V AC, 60HZ 3PH, 3 WIRE+G NOMINAL DC VOLTAGE: 480V DC (LI-ION BATTERY / CLASSIC BATTERY CABINET(ENGINEER TO ORDER))											
INPUT/ OUTPUT CABINET	SYSTEM OUTPUT CAPACITY (kW)	APPLICABLE NUMBER OF POWER CABINETS (GVXP250KD)	WITH REDUNDANT POWER CABINETS	APPLICABLE CLASSIC BATTERY CABINET	APPLICABLE MAINTENANCE BYPASS PANEL SKUs	NOMINAL MAINS INPUT CURRENT (A) @380/400/415V AC	MAXIMUM MAINS INPUT CURRENT(A) @380/400/415V AC	BYPASS INPUT CURRENT(A) @380/400/415V AC	UPS / SYSTEM OUTPUT CURRENT (A) @380/400/415V AC	BATTERY CURRENT (A DC)	
										@FULL LOAD CURRENT AND NOMINAL BATTERY VOLTAGE	@FULL LOAD CURRENT AND MINIMUM BATTERY VOLTAGE
GVXI1250KDNBF2	500	2	0	ENGINEER TO ORDER ITEM (CONTACT SCHNEIDER ELECTRIC FOR DETAILS)	ENGINEER TO ORDER ITEM (CONTACT SCHNEIDER ELECTRIC FOR DETAILS)	800/760/731/685	886/851/819/767	767/729/703/663	760/722/696/656	1090	1362
		3	N+1			1001/950/914/853	1107/1063/1024/956	959/911/878/826	950/902/870/820	1362	1703
	625	3	0			1201/1139/1097/1029	1328/1276/1229/1153	1151/1093/1054/994	1140/1083/1043/984	1634	2043
		4	N+1			1281/1215/1170/1098	1417/1361/1311/1230	1228/1166/1124/1060	1216/1155/1113/1050	1743	2179
	750	4	0			1601/1519/1463/1370	1771/1702/1638/1534	1535/1458/1405/1325	1519/1443/1391/1312	2179	2724
		5	N+1			1761/1671/1609/1510	1948/1872/1802/1691	1688/1604/1546/1458	1671/1588/1530/1443	2397	2996
	800	4	0			2001/1899/1828/1716	2214/2127/2048/1922	1918/1822/1757/1657	1899/1804/1739/1640	2724	3405
		5	N+1								
	1000	4	0								
		5	N+1								
	1100	5	0								
		6	N+1								
	1250	5	0								
		6	N+1								

RECOMMENDED UPSTREAM OVERCURRENT PROTECTION DEVICE RATINGS												
UPS RATING	RECOMMENDED OVER CURRENT PROTECTION Ir RATING (A)											
	MAINS INPUT				BYPASS INPUT				OUTPUT			
	@380V	@400V	@415V	@440V	@380V	@400V	@415V	@440V	@380V	@400V	@415V	@440V
500	1000*				800**	800***	800*	800*	800**	800***	800*	800*
625	1250*				1000**	1000***	1000*	1000*	1000**	1000***	1000*	1000*
750	1600*			1250***	1250***	1250*	1250*	1000****	1250***	1250*	1250*	1000****
800	1600*				1250****	1250***	1250*	1250*	1250****	1250***	1250*	1250*
1000	2000*				1600**	1600***	1600*	1600*	1600**	1600**	1600*	1600*
1100	2000**			2000***	2000*	2000*	1600**	1600***	2000*	2000*	1600**	1600***
1250	2500*				2000**	2000***	2000*	2000*	2000**	2000***	2000*	2000*

* LONG-TIME SETTING (Ir) = 0.9
 ** LONG-TIME SETTING (Ir) = 0.98
 *** LONG-TIME SETTING (Ir) = 0.95
 **** LONG-TIME SETTING (Ir) = 1.0

LI-ION BATTERY RACK APPLICABILITY FOR VARIOUS UPS RATINGS	
UPS RATING (kW)	MINIMUM – MAXIMUM NUMBER OF RACKS
500	3 – 5
625	3 – 7
750	4 – 8
800	5 – 8
1000	5 – 8
1100	6 – 7
1250	6 – 7

NOTES:

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 2. REFER TO PRODUCT INSTALLATION DOCUMENTATION FOR SITE PREPARATIONS.
- △ FOR Li-Ion BATTERY SOLUTION REFER TO DRAWING NO:
 LIBATSMGGIEC-GVX / LIBSMG95GIEC-GVX / LIBSESMGVXIEC.

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Schneider
Electric

TITLE: GALAXY VX
 Input-Output Cabinet Without Backfeed
 Input: 380/400/415/440V AC 3PH 50/60Hz
 Output: 380/400/415/440V AC 3PH 50/60Hz 500-1250kVA
 System One Line Diagram – Technical data
PROJECT: DRAWINGS **SHEET** 6 OF 6

DWG NO: GVXI1250KDNBF2NHS-SD **REV.** 0
DRAWN BY: RANJITHA 10-NOV-22 **ANGLE**
ENGINEER: LARS LINDHOLM 11-NOV-22 **PROJECTION**
APPROVED BY: SOEREN ANDERSEN 11-NOV-22 **N.A.**