

Load at 100%	400V Heat Dissipation (BTU/hr)				480V Heat Dissipation (BTU/hr)			
	Normal Operation	ECO Mode	eConversion	Battery Operation	Normal Operation	ECO Mode	eConversion	Battery Operation
500kW	82260	13758	13758	78519	59234	13758	13758	78519
625kW	91170	19367	19367	98149	81934	15033	17198	98149
750kW	129025	23240	23240	117778	106625	20637	20637	117778
800kW	137672	24790	24790	125630	113733	22013	22013	125630
1000kW	179570	30987	31342	156664	145873	27516	27516	157038
1100kW	144204	26458	30658	172741	160960	30268	30268	172741
1250kW	215042	30065	34838	196297	177708	30065	30065	196297

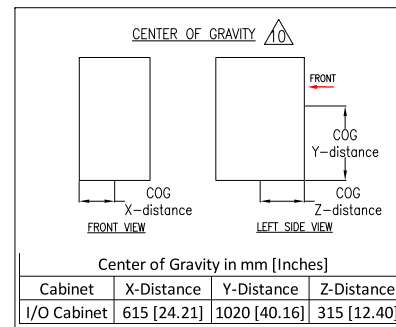
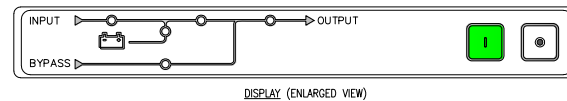


TABLE-1

UPS RATING (kW)	APPLICABLE NUMBER OF CABINETS		WEIGHT DATA FOR SKUs in kg [lbs] (I/O CABINET-UNIT WEIGHT: 950[2094], POWER CABINET-UNIT WEIGHT: 540 [1190])
	I/O CABINET GVXI1250KDNBF2	POWER CABINET GVXP250KD	
500	1	2	2030 [4474]
500 N+1			
625	1	3	2570 [5664]
750			
750 N+1			
800	1	4	3110 [6854]
1000			
1000 N+1			
1100	1	5	3650 [8044]
1250			
1100 N+1			
1250 N+1	1	6	4190 [9234]

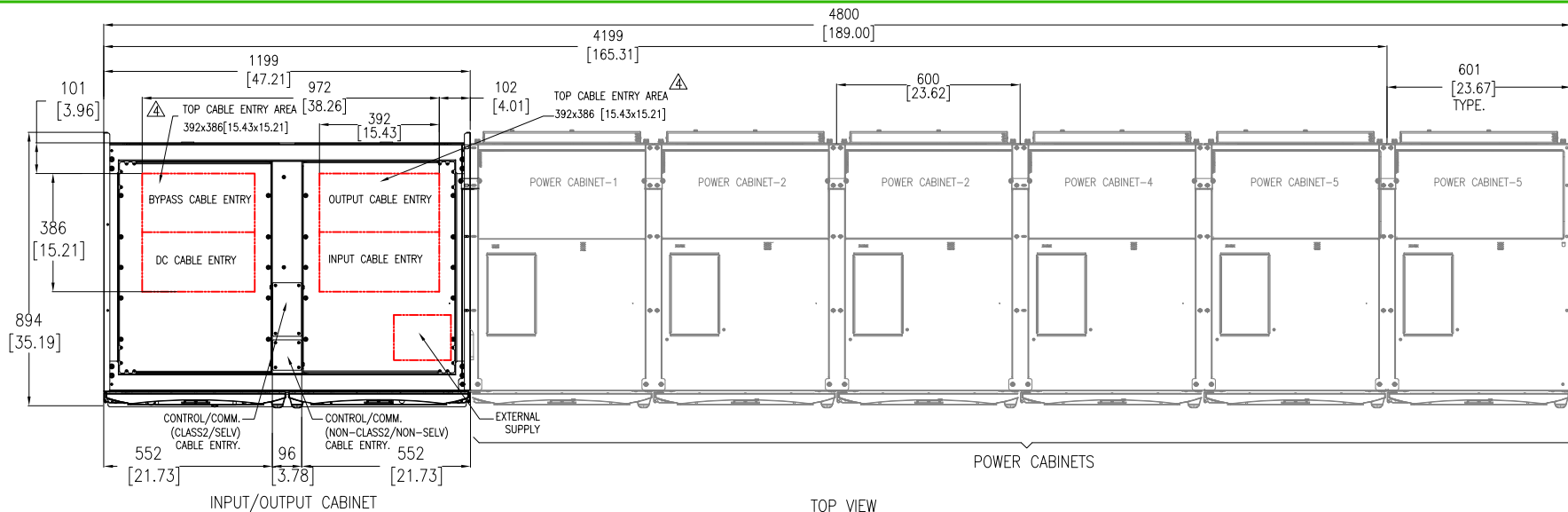
- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
 2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
 3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
 4. FRONT ACCESS REQUIRED FOR SERVICE. MINIMUM REQUIRED FRONT CLEARANCE IS 1020 [40.20]. REAR OR SIDE ACCESS NOT REQUIRED.
 5. INPUT POWER CABLE ENTRY IS FROM TOP OR BOTTOM OF THE UNIT I/O CABINET ONLY.
 6. FOR WEIGHT OF THE UNIT REFER TO THE TABLE-1.
 7. OPERATING TEMPERATURE: 0°C TO 40°C [32°F TO 104°F].
 8. DOOR SWING-ROTATES FREELY 180°.
 9. COLOR: RAL 9003 WHITE.
 10. THIS INFORMATION PROVIDES APPROXIMATE CENTER OF GRAVITY CALCULATION.
 11. TYPICAL CONFIGURATION WITH POWER CABINETS SHOWN FOR ILLUSTRATION PURPOSE.

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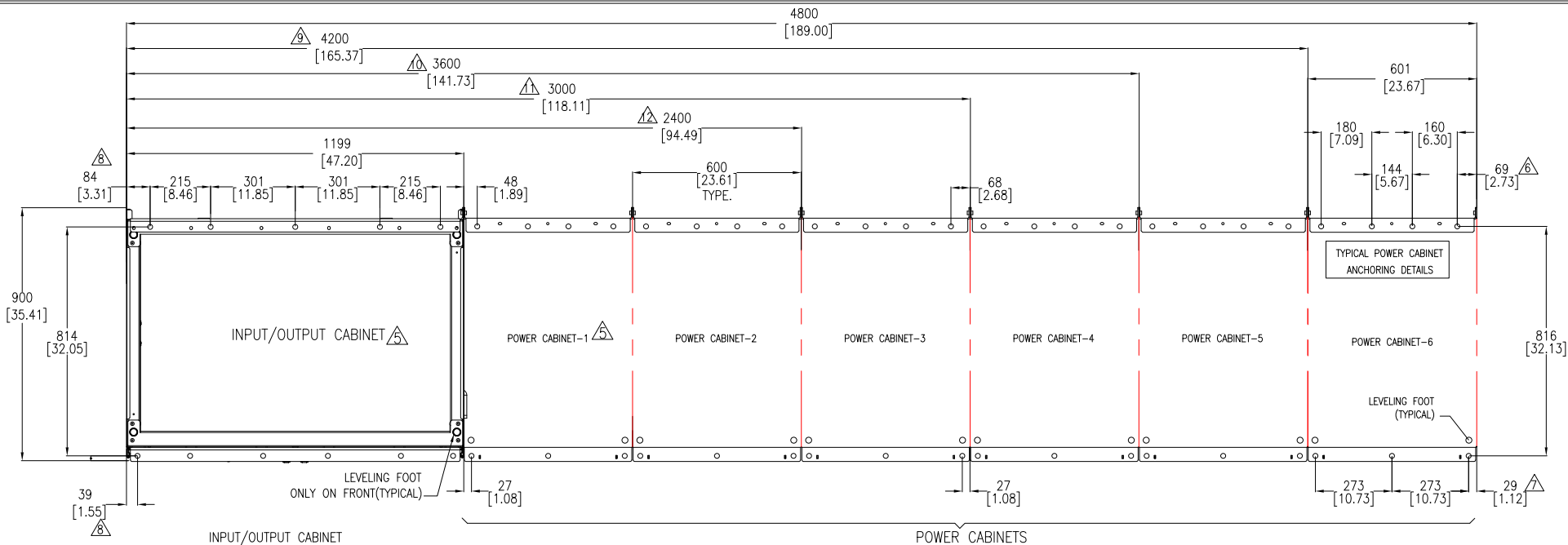
Schneider Electric

TITLE:	Galaxy VX Input-Output Cabinet Without Backfeed Input: 400/480V, 3PH, 50/60Hz, Single/Dual Mains Output: 400/480V, 3PH, 50/60Hz, 500-1250kVA General Arrangement	DWG NO:	GVXI1250KDNBF2	REV.	0
PROJECT:	SUBMITTAL DRAWINGS	SHEET	1 OF 9	APPROVED:	SOEREN ANDERSEN
				ENGINEER:	LARS LINDHOLM
					28-OCT-22
					28-OCT-22
					28-OCT-22

FIRST
ANGLE
PROJECTION



TOP VIEW



ANCHORING DETAILS (LOOKING FROM TOP)

NOTES:

	WITH SIDE COVERS	WITHOUT SIDE COVERS
△	4500 [177.18]	4498 [177.09]
△	3900 [153.54]	3898 [153.46]
△	3300 [129.92]	3298 [129.84]
△	2700 [106.30]	2698 [106.22]

13. TYPICAL CONFIGURATION WITH POWER CABINETS SHOWN FOR ILLUSTRATION PURPOSE.

- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
 2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
 3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
 - △ DRILL/PUNCH HOLES IN PLATE AS PER DESCRIPTION GUIDELINES SHOWN. REMOVE PLATE FROM CABINET BEFORE DRILLING/PUNCHING.
 - △ FOR WEIGHT DETAILS REFER TO SHEET-1.

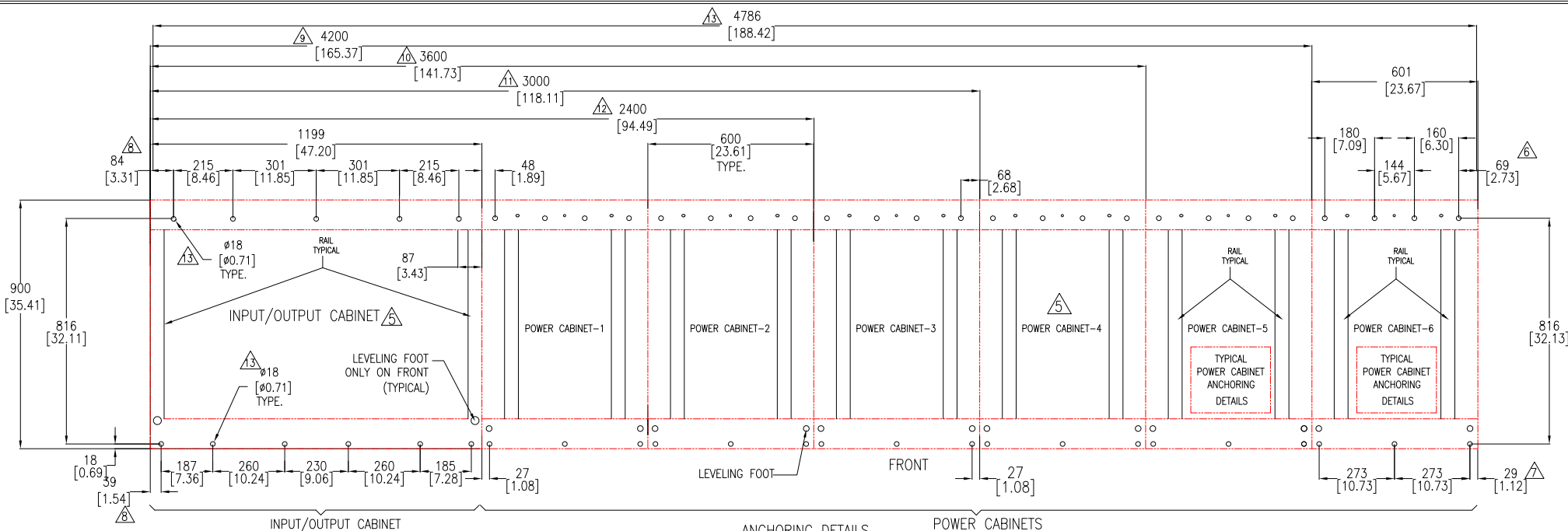
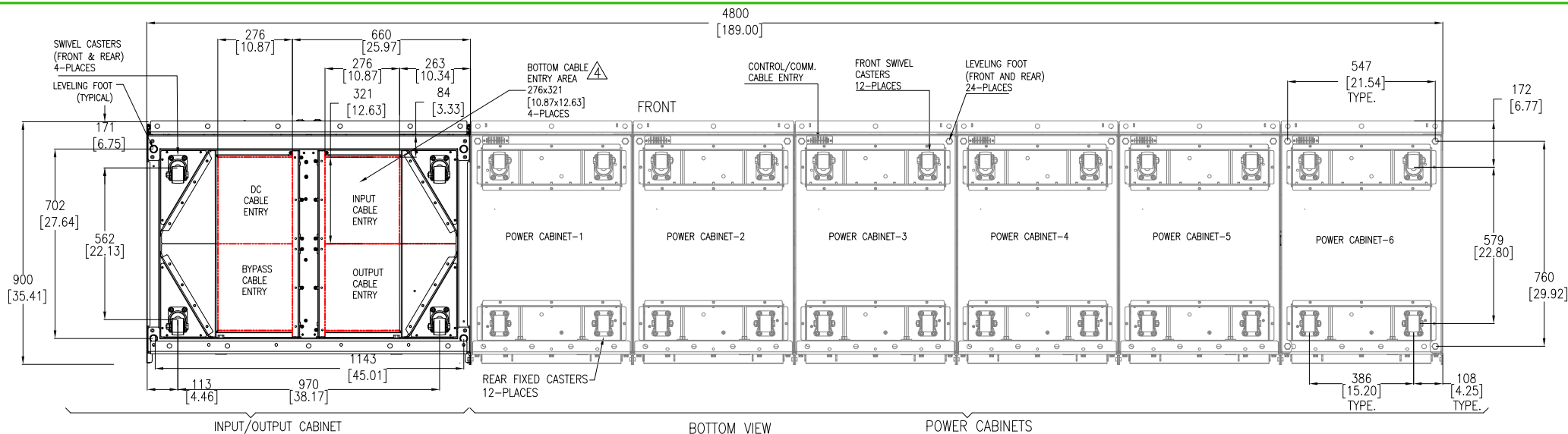
WITH SIDE COVERS	WITHOUT SIDE COVERS
△ 69.0 [2.72]	68.0 [2.68]
△ 28.5 [1.12]	27.5 [1.08]
△ 84.0 [3.31]	83.0 [3.27]

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Schneider Electric

TITLE: Galaxy VX
Input-Output Cabinet Without Backfeed
Input: 400/480V, 3PH, 50/60Hz, Single/Dual Mains
Output: 400/480V, 3PH, 50/60Hz, 500-1250kVA
TOP VIEW & ANCHORING

DWG NO: GVXI1250KDNBF2	REV: 0
DRAWN: RANJITHA	18-OCT-22
ENGINEER: LARS LINDHOLM	28-OCT-22
APPROVED: SOEREN ANDERSEN	28-OCT-22
PROJECT: SUBMITTAL DRAWINGS	SHEET 2 OF 9
ANGLE	PROJECTION



- NOTES:**
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 2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
 3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
 - △ DRILL/PUNCH HOLES IN PLATE AS PER DESCRIPTION GUIDELINES SHOWN. REMOVE PLATE FROM CABINET BEFORE DRILLING/PUNCHING.
 - △ FOR WEIGHT DETAILS REFER TO SHEET-1.

WITH SIDE COVERS	WITHOUT SIDE COVERS
△ 69.0 [2.72]	68.0 [2.68]
△ 28.5 [1.12]	27.5 [1.08]
△ 84.0 [3.31]	83.0 [3.27]

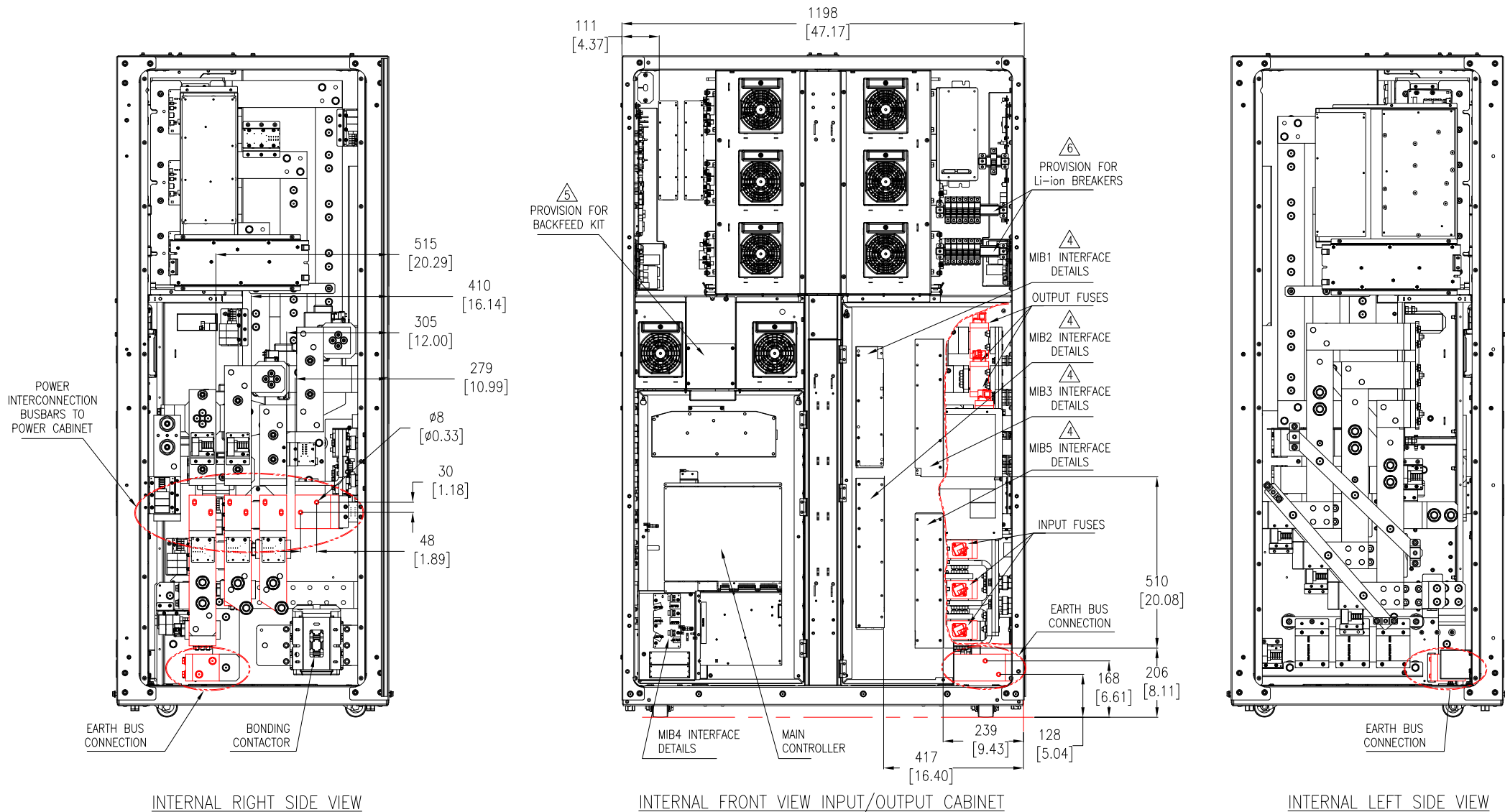
NOTES:	WITH SIDE COVERS	WITHOUT SIDE COVERS
△	4500 [177.18]	4498 [177.09]
△	3900 [153.54]	3898 [153.46]
△	3300 [129.92]	3298 [129.84]
△	2700 [106.30]	2698 [106.22]
△	UPS BEEN SEISMIC TESTED WITH M12 BOLTS.	

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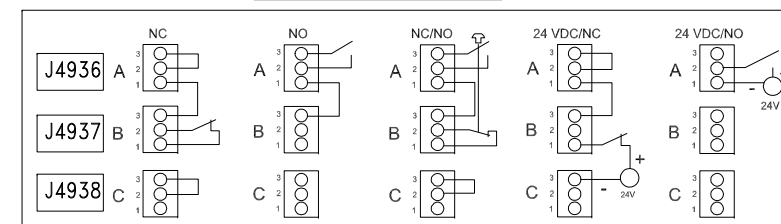
Schneider Electric

TITLE: Galaxy VX
Input-Output Cabinet Without Backfeed
Input: 400/480V, 3PH, 50/60Hz, Single/Dual Mains
Output: 400/480V, 3PH, 50/60Hz, 500-1250KVA
BOTTOM VIEW & RAISED FLOOR ANCHORING
PROJECT: SUBMITTAL DRAWINGS | SHEET 3 OF 9

DWG NO: GVXI1250KD NBF2
DRAWN: RANJITHA
ENGINEER: LARS LINDHOLM
APPROVED: SOEREN ANDERSEN
REV: 0
18-OCT-22
28-OCT-22
28-OCT-22
FIRST ANGLE PROJECTION



EPO CONNECTION DETAILS



- NOTES:**
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
 2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
 3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
 4. FOR MIB INTERFACE DETAILS REFER TO UPS INSTALLATION MANUAL.
 5. 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.
 6. Li-ion BATTERY BREAKERS CAN BE ORDERED AS OPTIONAL KIT IF REQUIRED.

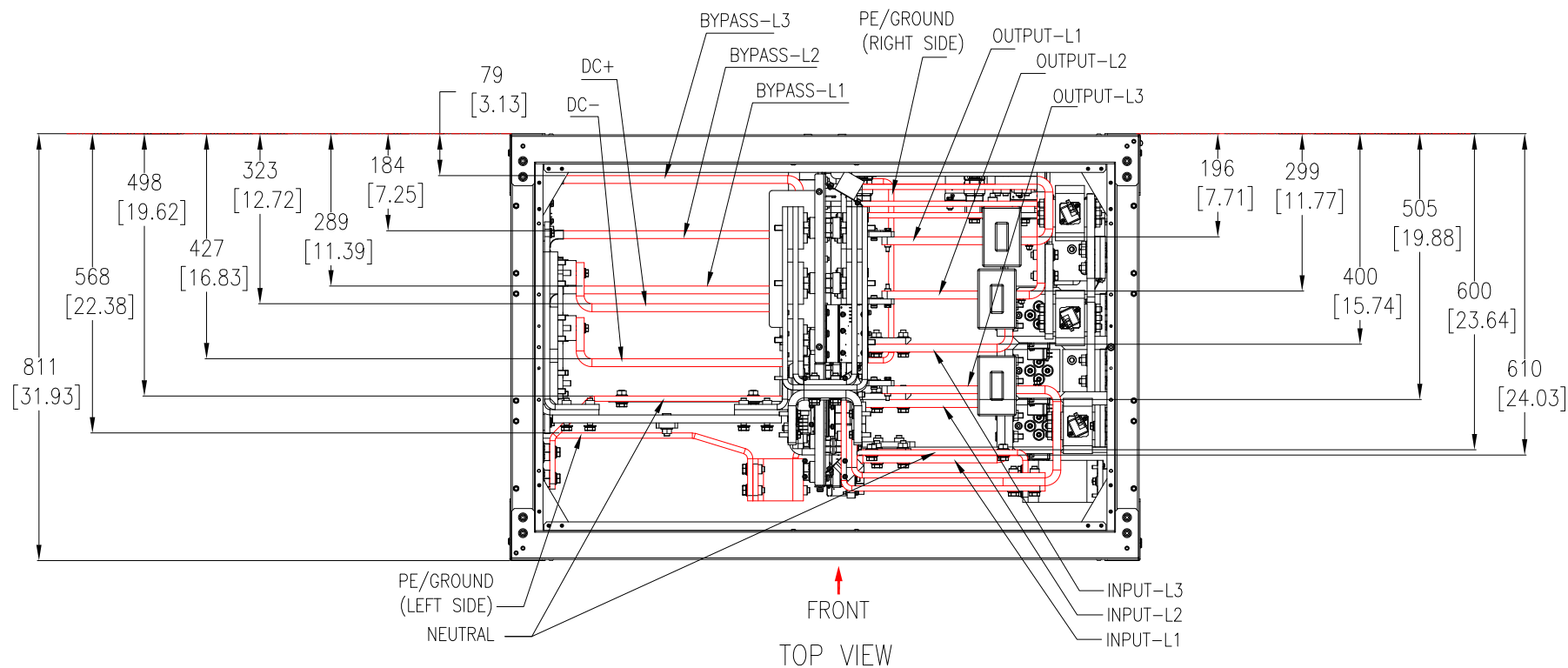
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Schneider Electric

TITLE: Galaxy VX
Input-Output Cabinet Without Backfeed
Input: 400/480V, 3PH, 50/60Hz, Single/Dual Mains
Output: 400/480V, 3PH, 50/60Hz, 500-1250kVA
INPUT-OUTPUT CABINET INTERNAL
PROJECT: SUBMITTAL DRAWINGS **SHEET 4 OF 9**

DWG NO: GVXI1250KDNBF2
DRAWN: RANJITHA
ENGINEER: LARS LINDHOLM
APPROVED: SOEREN ANDERSEN

REV: 0
18-OCT-22
28-OCT-22
28-OCT-22
FIRST ANGLE PROJECTION



(FRONT DOOR, TOP COVER AND SOME COMPONENTS NOT SHOWN)

BUSBAR DETAILS

<p>OUTPUT BUSBARS (L1, L3, L3)</p> <p>THICKNESS: 0.59 [15.0]</p>	<p>BYPASS BUSBARS (L1, L3, L3)</p> <p>THICKNESS: 0.59 [15.0]</p>	<p>NEUTRAL BUSBARS</p> <p>THICKNESS: 0.39 [10.0]</p>	
<p>INPUT BUSBARS (L1, L3, L3)</p> <p>THICKNESS: 0.59 [15.0]</p>	<p>PE/GROUND BUSBAR-LEFT SIDE</p> <p>THICKNESS: 0.39 [10.0]</p>	<p>PE/GROUND BUSBAR-RIGHT SIDE</p> <p>THICKNESS: 0.39 [10.0]</p>	<p>DC+/DC- BUSBARS</p> <p>THICKNESS: 0.59 [15.0]</p>

NOTES:

1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
2. REFER TO PRODUCT DOCUMENTATION FOR ADDITIONAL DETAILS PRIOR TO INSTALLATION AND SITE PREPARATION WORK.
3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
4. CONTROL WIRES MUST BE RUN IN INDIVIDUAL CONDUIT SEPARATE FROM POWER WIRES.
5. ALL EXTERNAL WIRING BY CUSTOMER.

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Schneider Electric

TITLE: Galaxy VX
Input-Output Cabinet Without Backfeed
Input: 400/480V, 3PH, 50/60Hz, Single/Dual Mains
Output: 400/480V, 3PH, 50/60Hz, 500-1250kVA
INTERNAL DETAILS-1

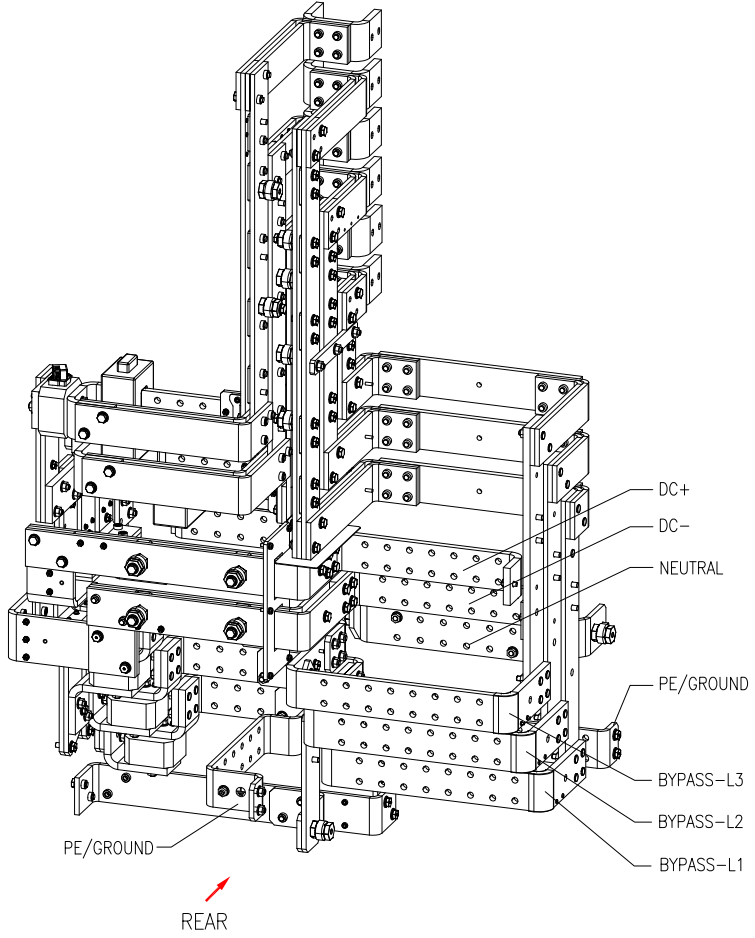
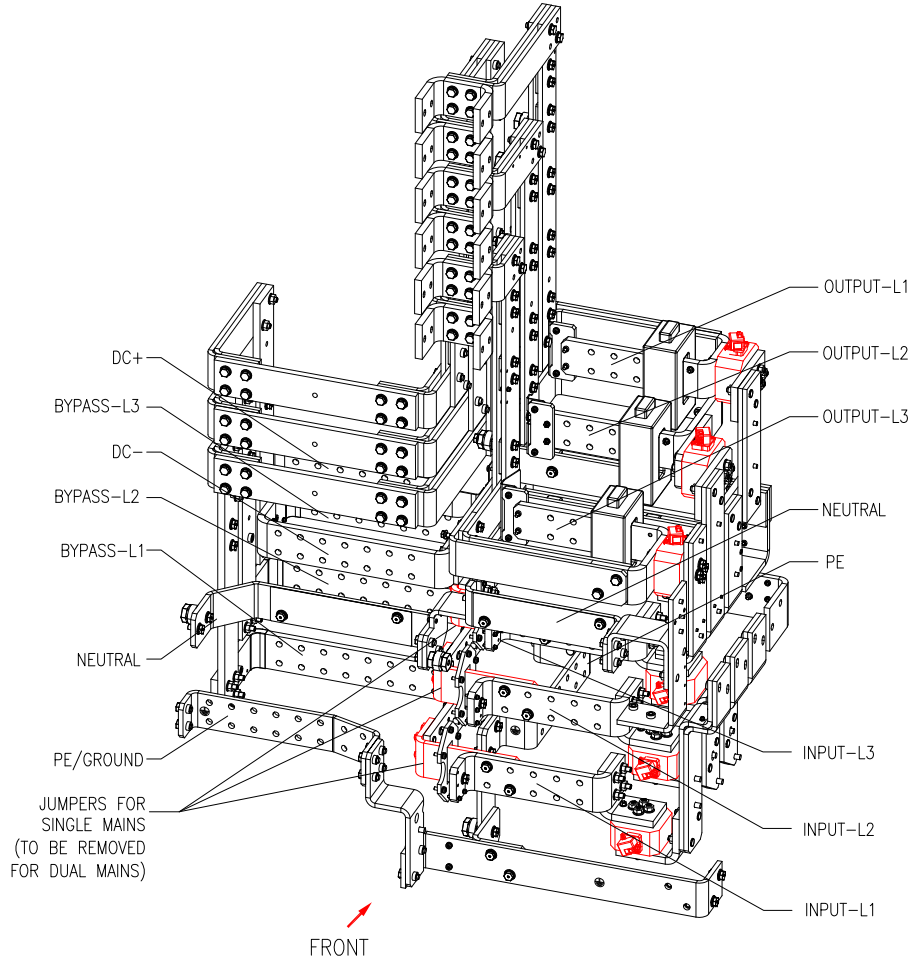
PROJECT: SUBMITTAL DRAWINGS SHEET 5 OF 9

DWG NO: GVXI1250KDNBF2

DRAWN: RANJITHA 18-OCT-22
ENGINEER: LARS LINDHOLM 28-OCT-22
APPROVED: SOEREN ANDERSEN 28-OCT-22

REV. 0
FIRST ANGLE PROJECTION

ISOMETRIC VIEW



- NOTES:
1. INSTALLATION SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE AND LOCAL ELECTRICAL REGULATIONS.
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 3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
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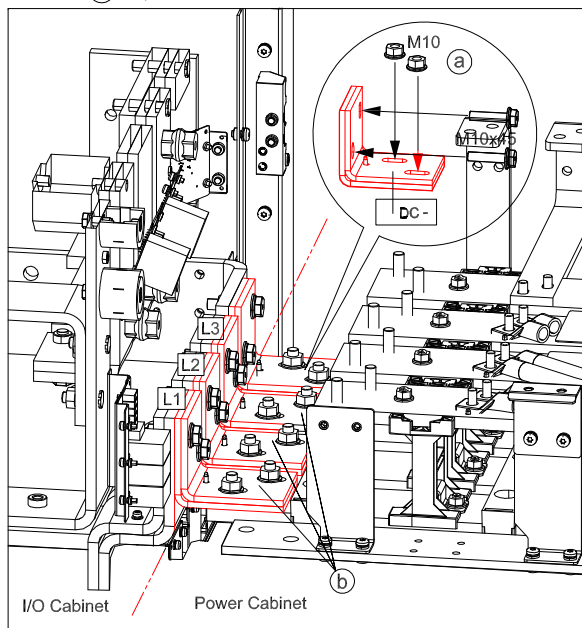


TITLE: Galaxy VX
Input-Output Cabinet Without Backfeed
Input: 400/480V, 3PH, 50/60Hz, Single/Dual Mains
Output: 400/480V, 3PH, 50/60Hz, 500-1250kVA
INTERNAL DETAILS-2
PROJECT: SUBMITTAL DRAWINGS SHEET 6 OF 9

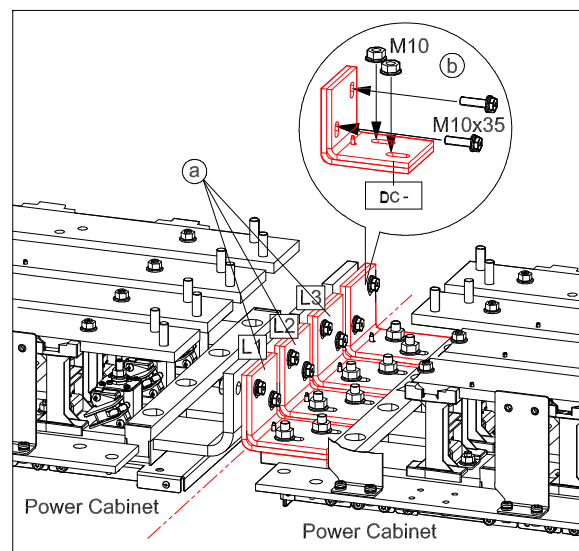
DWG NO: GVXI1250KDNBF2
DRAWN: RANJITHA
ENGINEER: LARS LINDHOLM
APPROVED: SOEREN ANDERSEN

REV. 0
18-OCT-22
28-OCT-22
28-OCT-22
FIRST ANGLE PROJECTION

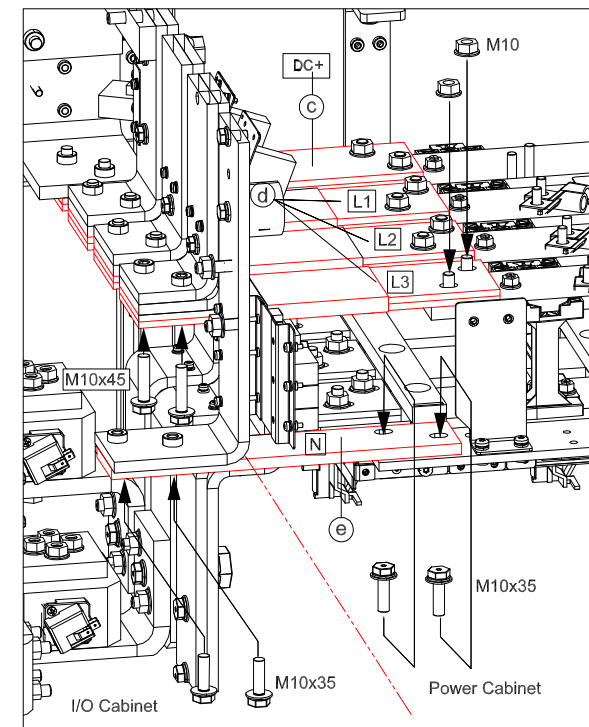
- Ⓐ DC- interconnection busbars
- Ⓑ Input interconnection busbars



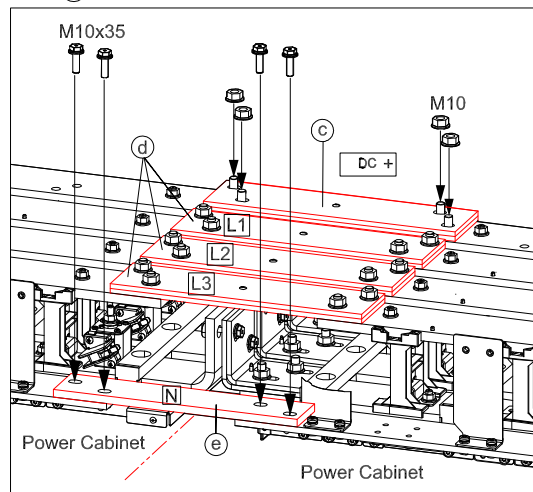
- Ⓐ Input interconnection busbars
- Ⓑ DC- interconnection busbars



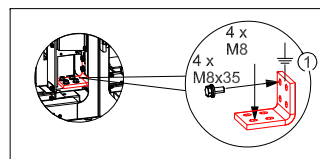
- Ⓒ DC+ interconnection busbars
- Ⓓ Output interconnection busbars
- Ⓔ Neutral interconnection busbars



- Ⓒ DC+ and DC- interconnection busbars
- Ⓓ Output interconnection busbars
- Ⓔ Neutral interconnection busbars



- Ⓐ Grounding busbars between power cabinets



- NOTES:**
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 3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
 4. CONTROL WIRES MUST BE RUN IN INDIVIDUAL CONDUIT SEPARATE FROM POWER WIRES.
 5. ALL EXTERNAL WIRING BY CUSTOMER.

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Schneider Electric

TITLE: Galaxy VX
Input-Output Cabinet Without Backfeed
Input: 400/480V, 3PH, 50/60Hz, Single/Dual Mains
Output: 400/480V, 3PH, 50/60Hz, 500-1250kVA
INTERCONNECTION BUSBAR DETAILS
PROJECT: SUBMITTAL DRAWINGS | SHEET 7 OF 9

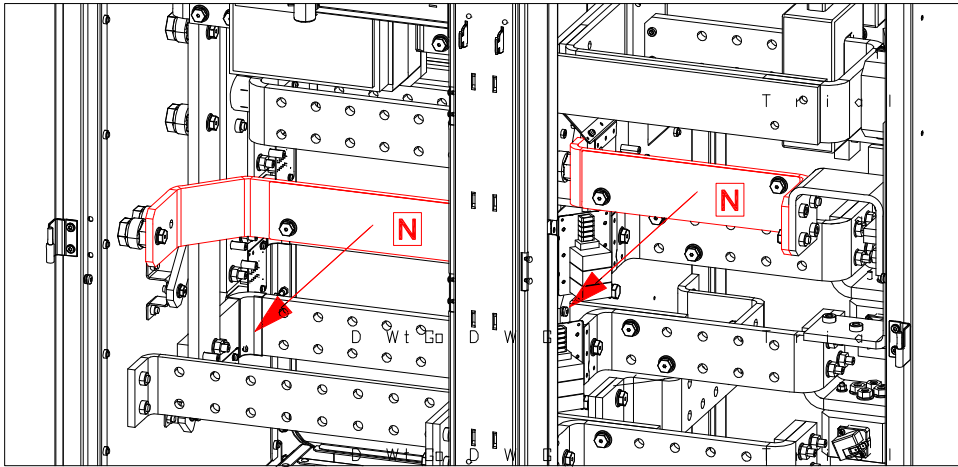
DWG NO: GVXI1250KDNBF2
DRAWN: RANJITHA
ENGINEER: LARS LINDHOLM
APPROVED: SOEREN ANDERSEN

REV. 0
FIRST ANGLE PROJECTION

CONNECTING CABLES IN 380/400/415/440V SYSTEMS

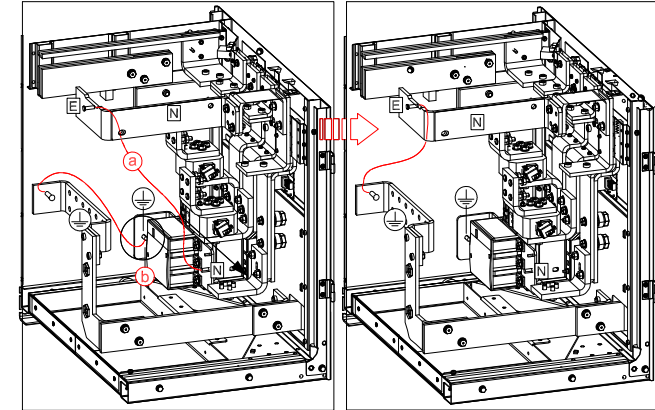
Only applicable to installation with Neutral connection.

Remove Lexan plate from the N busbars.



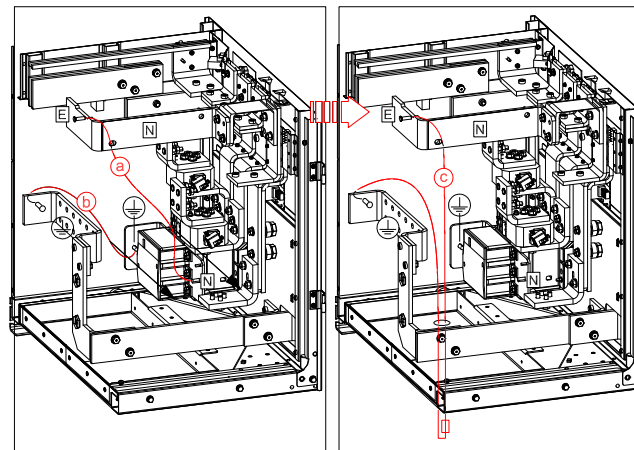
Only applicable to TNC systems

- Ⓐ Remove the jumper cable between the N-terminal on the bonding contactor and the E-terminal.
- Ⓑ Disconnect the jumper cable from the PE terminal on the bonding contactor and connect to the E-terminal.



Only Applicable to 4-wire IT systems

- Ⓐ Remove the jumper cable between the N-terminal on the bonding contactor and the E-terminal.
- Ⓑ Remove the jumper cable between the PE terminal on the bonding contactor and the PE busbar.
- Ⓒ Connect an external Impedance between the E-terminal and the PE busbar.



NOTES:

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3. ALL DIMENSIONS ARE IN MILLIMETERS [INCHES].
4. CONTROL WIRES MUST BE RUN IN INDIVIDUAL CONDUIT SEPARATE FROM POWER WIRES.
5. ALL EXTERNAL WIRING BY CUSTOMER.

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Schneider Electric

TITLE: Galaxy VX
Input-Output Cabinet Without Backfeed
Input: 400/480V, 3PH, 50/60Hz, Single/Dual Mains
Output: 400/480V, 3PH, 50/60Hz, 500-1250kVA
BUSBAR CONNECTION DETAILS

PROJECT: SUBMITTAL DRAWINGS SHEET 8 OF 9

DWG NO: GVXI1250KDNBF2

DRAWN: RANJITHA 18-OCT-22
ENGINEER: LARS LINDHOLM 28-OCT-22
APPROVED: SOEREN ANDERSEN 28-OCT-22

REV. 0

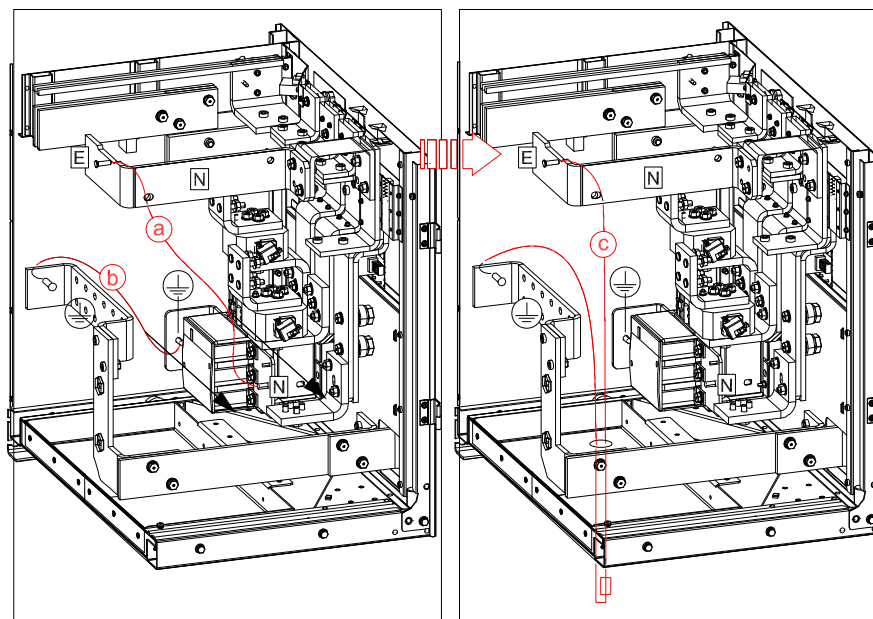
FIRST ANGLE PROJECTION

CONNECTING CABLES IN 480V SYSTEMS

1. FOR 4–WIRE SYSTEM:
 - A) Bonding jumper not connected.
 - B) Technical/System Earth: No local grounding electrode connected.
2. For 3–WIRE SYSTEM:
 - A) Bonding jumper must be connected.
 - B) Technical/System Earth: A grounding electrode must be connected via the grounding electrode conductor .

Applicable to high impedance grounding systems

- (a) Remove the jumper cable between the N–terminal on the bonding contactor and the E–terminal.
- (b) Remove the jumper cable between the PE–terminal on the bonding contactor and the PE–busbar.
- (c) Connect an external impedance between the E terminal and PE busbar according to NEC 2014 article 250.36



NOTES:

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Schneider
Electric

TITLE: Galaxy VX
Input-Output Cabinet Without Backfeed
Input: 400/480V, 3PH, 50/60Hz, Single/Dual Mains
Output: 400/480V, 3PH, 50/60Hz, 500–1250kVA
BUSBAR CONNECTION DETAILS

PROJECT: SUBMITTAL DRAWINGS | SHEET 9 OF 9

DWG NO: GVXI1250KDNBF2

DRAWN:	18-OCT-22
ENGINEER: LARS LINDHOLM	28-OCT-22
APPROVED: SOEREN ANDERSEN	28-OCT-22

REV. 0
FIRST
ANGLE
PROJECTION