

REQUEST FOR INFORMATION (RFI)

PROJECT :	BKK2	R.F.I. NO. :	523213-01-RFI-EL-0001
TO :	CTA	ATTENTION :	CTA
SUBMITTED DATE	15-Jan-26	NEED REPLY BY DATE :	22-Jan-26

SUBMISSION OF :	<input checked="" type="checkbox"/> Q&A	<input type="checkbox"/> Drawing	<input checked="" type="checkbox"/> Document	<input type="checkbox"/> Others (as specified below)
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SUBJECT :	Request for Confirmation - Aux. Supply for LVS, OUSB, MSSB and ATS.			
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Total Page (s) : 20 **(Including this page)**

FUNCTION :	<input type="checkbox"/> Structural (ST)	<input checked="" type="checkbox"/> Electrical & Communication (EL)	<input type="checkbox"/> Mechanical (ME)	<input type="checkbox"/> Vertical Transport (VT)
	<input type="checkbox"/> Architectural (AR)	<input type="checkbox"/> Fire Protection (F1)	<input type="checkbox"/> Hydraulic & Sanitary (HY)	<input type="checkbox"/> Other (O)

(1) CONTRACTOR REQUEST FOR INFORMATION :

GGA Would like to Confirm. As Design Drawing. All of LVS, OUSB, MSSB, ATS, PDU-A1 panel is required for Aux supply Non-IT UPS A/B. But we can't find in load schedule.
1. Additional feeder for above in 02-01-UDB-003-A/B (LVS AUX) supply Aux LVS, OUSB
2. Additional feeder for above in 02-02-UDB-003-A/B (LVS AUX) and move Aux supply for PDU to Additional panel 02-02-UDB-004-A/B as proper
3. Additional Main feeder from 02-06-OUSB-001-A to supply additional panel 02-02-UDB-004-A/B
4. Additional feeder for above in 02-03-UDB-003-A/B (LVS AUX), 02-04-UDB-003-A/B (LVS AUX), 02-05-UDB-003-A/B (LVS AUX), 02-06-UDB-003-A/B (LVS AUX)
5. Additional panel 02-06-UDB-004-A/B (LVS AUX) for Aux supply MSSB, ATS
6. Additional Main feeder and Breaker from 02-06-OUSB-001-A to supply additional panel 02-06-UDB-004-A/B

Note : It would be an additional cost for some items.

Requested by : 
Engineering Manager

Reviewed by : 
Project Manager

(2) ATTN : Commtech Asia (Thailand)

For Approval See Note Please Clarify

From : GAA Group

By : 
Name / Position Mr. Itsarate Trachuengtong/
Project Manager

Date : 15-Jan-26

Note : Aurecon to confirm the feeders for the panels mentioned above.

Reviewed By : Commtech Asia (Thailand)

Name / Position Finlay Coady
Sr. Project Manager
Date : 2nd February 2026

(3) ATTN : AURECON

For Approval See Note Please Clarify

AUR :

-Please refer to the comments on the load panel schedule, including the recheck of the minimum allowable cable size for single-core cables installed on the cable ladder, and the verification of cable grouping calculations for multiple circuits installed on the same cable ladder, in accordance with the EIT standard.

CONTRACTOR DOCUMENT REVIEW

- ACCEPTED
- REJECTED
- MAKE CORRECTIONS NOTED & PROCEED
- REVISE AND RESUBMIT

Aurecon Consulting (Thailand) Co., Ltd.
By : Chutikarn Sinsopa
Date : 09 February 2026
Project No. : 2026010001
Data received : 09 February 2026

This review is only for general confirmation with the design concept of the project and general compliance with the information provided. This review does not relieve the Contractor of its responsibility to follow the specific requirements and instructions contained in the contract documents. Any amendment does not constitute an order or authority for a price variation to the contractor.

From : Commtech Asia (Thailand)

By :
Name / Position ()

Date :

Reviewed By : AURECON 
Name / Position (Chutikarn Sinsopa
Electrical Engineer)

Date : 09 February 2026

(4) ATTN : STT GDC

Clarification only Not Approved
 Approved for proceeding work
 Approved with comments, proceeding work in compliance with comments
 Approved with comments, not for proceeding work and need to re-submit

Note :

From : AURECON

By :
Name / Position ()

Date :

Reviewed By : STT GDC

Name / Position ()

Date :

Additional as red text

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REV : 0
DATE : 17/10/2025

PANEL REF : 02-01-UDB-003-A		(LVSb AUX)					LOCATION : ELV Room - Level 1			
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA			
		TYPE	POLE	AT			PHASE A	PHASE B	PHASE C	
1	02-01-HVBTU-001-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
3	02-01-HVBTU-002-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
5	02-01-PDU-001-A1 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
7	02-01-PDU-001-A2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
9	02-01-PDU-001-B1 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
11	02-01-PDU-001-B2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
13	02-01-PDU-001-C1 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
15	02-01-PDU-001-C2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
17	02-01-LVSb-001-A NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
19	SPACE									
21	SPACE									
23	SPACE									
25										
27										
29										
31										
33										
35										
37										
39										
41										
2	02-01-LVSb-002-A NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01		1,000		
4	02-01-LVSb-003-A NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01		1,000		
6	02-01-LVSb-001 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01			1,000	
8	02-01-LVSb-002 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01		1,000		
10	02-01-LVSb-001-S NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01		1,000		
12	02-01-LVSb-002-S NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01			1,000	
14	02-01-LVSb-001-B NON-IT-UPS-A		MCB 1 P 16AT 6kA			2x4/G-2.5, IEC 01				
16	02-01-LVSb-002-B NON-IT-UPS-A		MCB 1 P 16AT 6kA			2x4/G-2.5, IEC 01				
18	02-01-LVSb-003-B NON-IT-UPS-A		MCB 1 P 16AT 6kA			2x4/G-2.5, IEC 01				
20	02-01-OUSB-001-A NON-IT-UPS-A		MCB 1 P 16AT 6kA			2x4/G-2.5, IEC 01				
22	02-01-OUSB-001-B NON-IT-UPS-A		MCB 1 P 16AT 6kA			2x4/G-2.5, IEC 01				
24	SPACE									
26										
28										
30										
32										
34										
36										
38										
40										
42										
SUPPLY FROM :		MAIN SWITCH :			MAIN CONDUCTOR :		CONNECTED LOAD (VA)	3,500	3,500	4,000
02-06-OUSB-001-A		MCCB 3P, 50AT/100AF			4x10/G-6, CV-FD		TOTAL CONNECTED (VA)	11,000		
		Ic ≥ 14 kA			MAIN RACEWAY :		DEMAND LOAD (VA)	3,500	3,500	4,000
		@ 415 VAC, 50 Hz.			Ø32 mm. IMC		TOTAL DEMAND LOAD (VA)	11,000		
							DEMAND FACTOR	1.0		

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REV : 0
DATE : 17/10/2025

PANEL REF : 02-02-UDB-003-A		(LVSb AUX)				LOCATION : ELV Room - Level 2			
CAPACITY : 42 CIRCUIT AS 1 POLE						MOUNTING WALL MOUNTED			
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA		REMARKS
		TYPE	POLE	AT	Ic(kA)		PHASE A	PHASE B	
1	02-02-MVBTU-001-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
3	02-02-MVBTU-002-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
5	02-02-MVBTU-003-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
7	02-02-MVBTU-004-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
9	02-02-GMSB-101 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
11	02-02-MSB-101-A1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
13	02-02-USB-101-A1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
15	02-02-MSB-103-B1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
17	02-02-USB-103-B1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
19	02-02-GMSB-102 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
21	02-02-MSB-102-A2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
23	02-02-USB-102-A2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
25	02-02-MSB-104-B2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
27	02-02-USB-104-B2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
29	02-02-USB-002-A1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
31	02-02-USB-002-B1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
33	02-02-USB-002-A2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
35	02-02-USB-002-B2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
37	02-02-LVSB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000	
39	02-02-LVSB-001-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000
41	02-02-LVSB-001-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000
2	02-02-PDU-001 02-02-OUSB-002-A1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
4	02-02-PDU-001 02-02-OUSB-002-B1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
6	02-02-PDU-001 02-02-LVSB-001-S NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
8	02-02-PDU-001 02-02-OUSB-002-A2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
10	02-02-PDU-001 02-02-OUSB-002-B2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
12	02-02-PDU-003-B2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
14	02-02-PDU-004-A2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
16	02-02-PDU-004-B2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
18	02-02-PDU-005-A2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
20	02-02-PDU-005-B2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
22	02-02-PDU-006-A2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
24	02-02-PDU-006-B2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
26	02-02-PDU-007-A2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
28	02-02-PDU-007-B2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
30	02-02-PDU-008-A2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
32	02-02-PDU-008-B2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
34	02-02-PDU-009-A2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
36	02-02-PDU-009-B2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
38	02-02-PDU-010-A2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500	
40	02-02-PDU-010-B2 NON-IT-UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500
42	SPACE								
SUPPLY FROM :		MAIN SWITCH :			MAIN CONDUCTOR :		CONNECTED LOAD (VA)	7,500	7,500
02-06-OUSB-001-A		MCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.			4x10/G-6, CV-FD		TOTAL CONNECTED (VA)	22,000	
		MAIN RACEWAY :			Ø32 mm. IMC		DEMAND LOAD (VA)	7,500	7,500
							TOTAL DEMAND LOAD (VA)	22,000	
							DEMAND FACTOR		

- NOTES :
1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
 2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

Move Feeder for supply AUX PDU-A2/B2 to Additional panel 02-02-UDB-004-B (add for PDU-A1/B1)

AUR(09/02/2026) : should be 02-UDB-004-A?

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REV : 0
DATE : 17/10/2025

PANEL REF : 02-03-UDB-003-A (LVSb AUX)							LOCATION : ELV Room - Level 3 MOUNTING WALL MOUNTED			
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA			REMARKS
		TYPE	POLE	AT			PHASE A	PHASE B	PHASE C	
1	02-03-MVBTU-001-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
3	02-03-MVBTU-002-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
5	02-03-MVBTU-003-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
7	02-03-MSB-201 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
9	02-03-USB-201-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
11	02-03-USB-201-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
13	02-03-MSB-202 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
15	02-03-USB-202-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
17	02-03-USB-202-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
19	02-03-MSB-203 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
21	02-03-USB-203-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
23	02-03-USB-203-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
25	02-03-USB-204-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
27	02-03-USB-204-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
29	02-03-USB-205-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
31	02-03-USB-205-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
33	02-03-USB-206-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
35	02-03-USB-206-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
37										
39										
41										
2	02-03-USB-001 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
4	02-03-USB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
6	02-03-USB-003 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
8	02-03-LVSB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
10	02-03-LVSB-001-S NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
12	02-03-LVSB-001-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
14	02-03-LVSB-001-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
16	02-03-OUSB-001 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
18	02-03-OUSB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
20	02-03-OUSB-003 NON-IT UPS-A	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
22	02-03-OUSB-001-S2 NON-IT UPS-A	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
24	02-03-OUSB-002-S2 NON-IT UPS-A	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
26	02-03-OUSB-003-S2 NON-IT UPS-A	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
28	SPACE									
30	SPACE									
32	SPACE									
34	SPACE									
36	SPACE									
38										
40										
42										
SUPPLY FROM :		MAIN SWITCH :			MAIN CONDUCTOR :		CONNECTED LOAD (VA)	5,500	5,500	5,500
02-06-OUSB-001-A		MCCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.			4x10/G-6, CV-FD		TOTAL CONNECTED (VA)	16,500		
					MAIN RACEWAY :		DEMAND LOAD (VA)	5,500	5,500	5,500
					Ø32 mm. IMC		TOTAL DEMAND LOAD (VA)	16,500		
								DEMAND FACTOR		
								1.0		

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REV : 0
DATE : 17/10/2025

PANEL REF : 02-04-UDB-003-A (LVSb AUX)							LOCATION : ELV Room - Level 4 MOUNTING WALL MOUNTED			
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA			REMARKS
		TYPE	POLE	AT			PHASE A	PHASE B	PHASE C	
1	02-04-MVBTU-001-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
3	02-04-MVBTU-002-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
5	02-04-MVBTU-003-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
7	02-04-USB-201-C NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
9	02-04-USB-201-D NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
11	02-04-USB-202-C NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
13	02-04-USB-202-D NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
15	02-04-USB-203-C NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
17	02-04-USB-203-D NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
19	02-04-MSB-204 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
21	02-04-USB-204-C NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
23	02-04-USB-204-D NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
25	02-04-MSB-205 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
27	02-04-USB-205-C NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
29	02-04-USB-205-D NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
31	02-04-MSB-206 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
33	02-04-USB-206-C NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
35	02-04-USB-206-D NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
37										
39										
41										
2	02-04-USB-001 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
4	02-04-USB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
6	02-04-USB-003 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
8	02-04-LVSB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
10	02-04-LVSB-001-S NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
12	02-04-LVSB-001-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
14	02-04-LVSB-001-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
16	02-04-OUSB-001 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
18	02-04-OUSB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
20	02-04-OUSB-003 NON-IT UPS-A	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
22	02-04-OUSB-001-S2 NON-IT UPS-A	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
24	02-04-OUSB-002-S2 NON-IT UPS-A	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
26	02-04-OUSB-003-S3 NON-IT UPS-A	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
28	SPACE									
30	SPACE									
32	SPACE									
34	SPACE									
36	SPACE									
38										
40										
42										
SUPPLY FROM :		MAIN SWITCH :			MAIN CONDUCTOR :		CONNECTED LOAD (VA)	5,500	5,500	5,500
02-06-OUSB-001-A		MCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.			4x10/G-6, CV-FD		TOTAL CONNECTED (VA)	16,500		
					MAIN RACEWAY :		DEMAND LOAD (VA)	5,500	5,500	5,500
					Ø32 mm. IMC		TOTAL DEMAND LOAD (VA)	16,500		DEMAND FACTOR 1.0

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REV : 0
DATE : 17/10/2025

PANEL REF : 02-05-UDB-003-A (LVSb AUX)							LOCATION : ELV Room - Level 5 MOUNTING WALL MOUNTED			
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA			REMARKS
		TYPE	POLE	AT			PHASE A	PHASE B	PHASE C	
1	02-05-MVBTU-001-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
3	02-05-MVBTU-002-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
5	02-05-MVBTU-003-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
7	02-05-MVBTU-004-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
9	02-05-MSB-301 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
11	02-05-USB-301-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
13	02-05-USB-301-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
15	02-05-USB-301-C NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
17	02-05-USB-301-D NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
19	02-05-MSB-302 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
21	02-05-USB-302-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
23	02-05-USB-302-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
25	02-05-USB-302-C NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
27	02-05-USB-302-D NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
29	02-05-MSB-303 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
31	02-05-USB-303-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
33	02-05-USB-303-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
35	02-05-USB-303-C NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
37	02-05-USB-303-D NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
39	02-05-OUSB-003 NON-IT UPS-A				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
41	02-05-OUSB-004 NON-IT UPS-A				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
2	02-05-MSB-304 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
4	02-05-USB-304-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
6	02-05-USB-304-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
8	02-05-USB-304-C NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
10	02-05-USB-304-D NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
12	02-05-USB-001 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
14	02-05-USB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
16	02-05-USB-003 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
18	02-05-USB-004 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
20	02-05-LVSB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
22	02-05-LVSB-001-S NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
24	02-05-LVSB-001-A NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
26	02-05-LVSB-001-B NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
28	02-05-OUSB-001 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
30	02-05-OUSB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
32	02-05-OUSB-001-S3 NON-IT UPS-A				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
34	02-05-OUSB-002-S3 NON-IT UPS-A				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
36	02-05-OUSB-003-S3 NON-IT UPS-A				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
38	02-05-OUSB-004-S3 NON-IT UPS-A				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
40	SPACE									
42	SPACE									
SUPPLY FROM :		MAIN SWITCH :			MAIN CONDUCTOR :		CONNECTED LOAD (VA)	7,000	6,500	6,500
02-06-OUSB-001-A		MCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.			4x10/G-6, CV-FD		TOTAL CONNECTED (VA)	20,000		
		MAIN RACEWAY :			DEMAND LOAD (VA)		7,000	6,500	6,500	DEMAND FACTOR
		Ø32 mm. IMC			TOTAL DEMAND LOAD (VA)		20,000			1.0

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213

Need to Change to 48 circuit

REV : 0
DATE : 17/10/2025

PROJECT NAME : TERRA DATA CENTER

PANEL REF : 02-06-UDB-003-A (LVSb AUX)							LOCATION : ELV Room - Level 6 MOUNTING WALL MOUNTED				
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA			REMARKS	
		TYPE	POLE	AT	Ic(kA)		PHASE A	PHASE B	PHASE C		
1	02-06-HVBTU-001-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500			
3	02-06-HVBTU-002-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500		
5	02-06-HVBTU-003-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500	
7	02-06-HVBTU-004-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500			
9	02-06-HVBTU-005-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500		
11	02-06-HVBTU-006-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500	
13	02-06-MSB-106-S1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500			
15	02-06-USB-106-S1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500		
17	02-06-MSB-207-S2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500	
19	02-06-USB-207-S2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500			
21	02-06-USB-306-S3 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500		
23	02-06-USB-306-S3 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500	
25	02-06-MSB-105 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500			
27	02-06-USB-105-1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500		
29	02-06-USB-105-2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500	
31	02-06-MSB-107 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500			
33	02-06-USB-107-1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500		
35	02-06-USB-107-2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500	
37	02-06-LVSB-001-A NON-IT UPS-A					2x4/G-2.5, IEC 01	Ø15 mm. EMT				
39	02-06-LVSB-002-A NON-IT UPS-A					2x4/G-2.5, IEC 01	Ø15 mm. EMT				
41	02-06-LVSB-003-A NON-IT UPS-A					2x4/G-2.5, IEC 01	Ø15 mm. EMT				
2	02-06-MSB-305 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500			
4	02-06-USB-305-1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500		
6	02-06-USB-305-2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500	
8	02-06-LBSB-001 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500			
10	02-06-LVSB-003 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000		
12	02-06-LVSB-005 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000		
14								400			
16	- 02-06-MCC-014	MCB	3	20	6	4x4/G-4, IEC 01	Ø20 mm. EMT		200	CHILLED WATER BUFFER TANK	
18									200		
20								200			
22	- 02-06-MCC-016	MCB	3	20	6	4x4/G-4, IEC 01	Ø20 mm. EMT		400	CHILLED WATER BUFFER TANK	
24									200		
26								200			
28	- 02-06-MCC-018	MCB	3	20	6	4x4/G-4, IEC 01	Ø20 mm. EMT		200	CHILLED WATER BUFFER TANK	
30									400		
32	02-06-LVSB-001 NON-IT UPS-A					2x4/G-2.5, IEC 01	Ø15 mm. EMT				
34	02-06-LVSB-002 NON-IT UPS-A					2x4/G-2.5, IEC 01	Ø15 mm. EMT				
36	02-06-LVSB-006 NON-IT UPS-A					2x4/G-2.5, IEC 01	Ø15 mm. EMT				
38	02-06-LVSB-001-S1 NON-IT UPS-A					2x4/G-2.5, IEC 01	Ø15 mm. EMT				
40	02-06-LVSB-002-S1 NON-IT UPS-A					2x4/G-2.5, IEC 01	Ø15 mm. EMT				
42	02-06-OUSB-001-A NON-IT UPS-A					2x4/G-2.5, IEC 01	Ø15 mm. EMT				
SUPPLY FROM :		MAIN SWITCH :		MAIN CONDUCTOR :		CONNECTED LOAD (VA)		4,800	5,300	5,300	
		MCB 3P, 50AT/100AF		4x10/G-6, CV-FD		TOTAL CONNECTED (VA)				15,400	
		Ic ≥ 14 kA		@ 415 VAC, 50 Hz.		MAIN RACEWAY :		DEMAND LOAD (VA)	4,800	5,300	5,300
				Ø32 mm. IMC		TOTAL DEMAND LOAD (VA)				15,400	DEMAND FACTOR 1.0

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

43.	02-06-LVSB-001-B NON-IT UPS-A	MCB 1P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT
45.	02-06-LVSB-002-B NON-IT UPS-A	MCB 1P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT
47.	02-06-LVSB-003-B NON-IT UPS-A	MCB 1P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT
44.	02-06-OUSB-002-A NON-IT UPS-A	MCB 1P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT
46.	02-06-OUSB-001-B NON-IT UPS-A	MCB 1P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT
48.	02-06-OUSB-002-B NON-IT UPS-A	MCB 1P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REV : 0
DATE : 17/10/2025

PANEL REF : 02-01-UDB-003-B (LVSb AUX)							LOCATION : ELV Room - Level 1 MOUNTING WALL MOUNTED			
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA			REMARKS
		TYPE	POLE	AT			PHASE A	PHASE B	PHASE C	
1	02-01-HVBTU-001-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
3	02-01-HVBTU-002-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
5	02-01-PDU-001-A1 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
7	02-01-PDU-001-A2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
9	02-01-PDU-001-B1 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
11	02-01-PDU-001-B2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
13	02-01-PDU-001-C1 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
15	02-01-PDU-001-C2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
17	02-01-LVSB-001-A NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
19	SPACE									
21	SPACE									
23	SPACE									
25										
27										
29										
31										
33										
35										
37										
39										
41										
2	02-01-LVSB-002-A NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
4	02-01-LVSB-003-A NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
6	02-01-LVSB-001 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
8	02-01-LVSB-002 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
10	02-01-LVSB-001-S NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
12	02-01-LVSB-002-S NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
14	02-01-LVSB-002-S NON-IT-UPS-B	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
16	02-01-LVSB-002-B NON-IT-UPS-B	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
18	02-01-LVSB-003-B NON-IT-UPS-B	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
20	02-01-OUSB-001-A NON-IT-UPS-B	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
22	02-01-OUSB-001-B NON-IT-UPS-B	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
24	SPACE									
26										
28	AUR(09/02/2026) : 01-LVSB-001-B NON-IT-UPS-B									
30										
32										
34										
36										
38										
40										
42										
SUPPLY FROM :		MAIN SWITCH :			MAIN CONDUCTOR :		CONNECTED LOAD (VA)	5,000	5,000	5,000
02-06-OUSB-001-B		MCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.			4x10/G-6, CV-FD		TOTAL CONNECTED (VA)	15,000		
					MAIN RACEWAY :		DEMAND LOAD (VA)	5,000	5,000	5,000
					Ø32 mm. IMC		TOTAL DEMAND LOAD (VA)	15,000		DEMAND FACTOR 1.0

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REV : 0
DATE : 17/10/2025

PANEL REF : 02-02-UDB-003-B							(LVSb AUX)			LOCATION : ELV Room - Level 2							
CAPACITY : 42 CIRCUIT AS 1 POLE			MAIN BUSBAR : 100 A, 400/230 VAC, 50Hz.				MOUNTING WALL MOUNTED										
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA			REMARKS							
		TYPE	POLE	AT	Ic(kA)		PHASE A	PHASE B	PHASE C								
1	02-02-MVBTU-001-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
3	02-02-MVBTU-002-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
5	02-02-MVBTU-003-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
7	02-02-MVBTU-004-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
9	02-02-GMSB-101 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
11	02-02-MSB-101-A1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
13	02-02-USB-101-A1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
15	02-02-MSB-103-B1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
17	02-02-USB-103-B1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
19	02-02-GMSB-102 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
21	02-02-MSB-102-A2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
23	02-02-USB-102-A2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
25	02-02-MSB-104-B2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
27	02-02-USB-104-B2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
29	02-02-USB-002-A1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
31	02-02-USB-002-B1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
33	02-02-USB-002-A2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
35	02-02-USB-002-B2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
37	02-02-LVSB-002 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000									
39	02-02-LVSB-001-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000								
41	02-02-LVSB-001-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000							
2	02-02-PDU 02-02-OUSB-002-A1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
4	02-02-PDU 02-02-OUSB-002-B1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
6	02-02-PDU 02-02-LVSB-001-S NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
8	02-02-PDU 02-02-OUSB-002-A2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
10	02-02-PDU 02-02-OUSB-002-B2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
12	02-02-PDU-003-B2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
14	02-02-PDU-004-A2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
16	02-02-PDU-004-B2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
18	02-02-PDU-005-A2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
20	02-02-PDU-005-B2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
22	02-02-PDU-006-A2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
24	02-02-PDU-006-B2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
26	02-02-PDU-007-A2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
28	02-02-PDU-007-B2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
30	02-02-PDU-008-A2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
32	02-02-PDU-008-B2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
34	02-02-PDU-009-A2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500								
36	02-02-PDU-009-B2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
38	02-02-PDU-010-A2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500									
40	02-02-PDU-010-B2 NON-IT-UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500							
42	SPACE																
SUPPLY FROM :		MAIN SWITCH :			MAIN CONDUCTOR :		CONNECTED LOAD (VA)	7,500	7,500	7,000							
							4x10/G-6, CV-FD			22,000							
		@ 415 VAC, 50 Hz.			TOTAL CONNECTED (VA)		DEMAND LOAD (VA)	7,500	7,500	7,000	DEMAND FACTOR						
							Ø32 mm. IMC			22,000	1.0						
NOTES : 1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE 2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY																	
Move Feeder for supply AUX PDU-A2/B2 to Additional panel 02-02-UDB-004-B (add for PDU-A1/B1)																	

Move Feeder for supply AUX PDU-A2/B2
 to Additional panel 02-02-UDB-004-B
 (add for PDU-A1/B1)

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REV : 0
DATE : 17/10/2025

PANEL REF : 02-03-UDB-003-B (LVSb AUX)							LOCATION : ELV Room - Level 3 MOUNTING WALL MOUNTED			
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA			REMARKS
		TYPE	POLE	AT			PHASE A	PHASE B	PHASE C	
1	02-03-MVBTU-001-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
3	02-03-MVBTU-002-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
5	02-03-MVBTU-003-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
7	02-03-MSB-201 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
9	02-03-USB-201-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
11	02-03-USB-201-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
13	02-03-MSB-202 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
15	02-03-USB-202-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
17	02-03-USB-202-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
19	02-03-MSB-203 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
21	02-03-USB-203-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
23	02-03-USB-203-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
25	02-03-USB-204-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
27	02-03-USB-204-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
29	02-03-USB-205-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
31	02-03-USB-205-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
33	02-03-USB-206-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
35	02-03-USB-206-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
37										
39										
41										
2	02-03-USB-001 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
4	02-03-USB-002 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
6	02-03-USB-003 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
8	02-03-LVSB-002 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
10	02-03-LVSB-001-S NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
12	02-03-LVSB-001-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
14	02-03-LVSB-001-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
16	02-03-OUSB-002 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
18	02-03-OUSB-002 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
20	02-03-OUSB-001-S2 NON-IT UPS-B	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
22	02-03-OUSB-002-S2 NON-IT UPS-B	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
24	02-03-OUSB-003-S2 NON-IT UPS-B	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
26	SPACE									
28	SPACE									
30	SPACE									
32	SPACE									
34	SPACE									
36	SPACE									
38										
40										
42										
SUPPLY FROM :		MAIN SWITCH :			MAIN CONDUCTOR :		CONNECTED LOAD (VA)	6,000	6,000	6,000
02-06-OUSB-001-B		MCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.			4x10/G-6, CV-FD		TOTAL CONNECTED (VA)	18,000		
					MAIN RACEWAY :		DEMAND LOAD (VA)	6,000	6,000	6,000
					Ø32 mm. IMC		TOTAL DEMAND LOAD (VA)	18,000		
							DEMAND FACTOR			1.0

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REV : 0
DATE : 17/10/2025

PANEL REF : 02-04-UDB-003-B (LVSb AUX)							LOCATION : ELV Room - Level 4 MOUNTING WALL MOUNTED			
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA			REMARKS
		TYPE	POLE	AT			PHASE A	PHASE B	PHASE C	
1	02-04-MVBTU-001-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
3	02-04-MVBTU-002-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
5	02-04-MVBTU-003-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
7	02-04-USB-201-C NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
9	02-04-USB-201-D NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
11	02-04-USB-202-C NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
13	02-04-USB-202-D NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
15	02-04-USB-203-C NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
17	02-04-USB-203-D NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
19	02-04-MSB-204 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
21	02-04-USB-204-C NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
23	02-04-USB-204-D NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
25	02-04-MSB-205 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
27	02-04-USB-205-C NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
29	02-04-USB-205-D NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
31	02-04-MSB-206 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
33	02-04-USB-206-C NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
35	02-04-USB-206-D NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
37										
39										
41										
2	02-04-USB-001 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
4	02-04-USB-002 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
6	02-04-USB-003 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
8	02-04-LVSB-002 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
10	02-04-LVSB-001-S NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
12	02-04-LVSB-001-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
14	02-04-LVSB-001-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
16	02-04-OUSB-001 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
18	02-04-OUSB-002 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
20	02-04-OUSB-003 NON-IT UPS-B	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
22	02-04-OUSB-001-S2 NON-IT UPS-BB	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
24	02-04-OUSB-002-S2 NON-IT UPS-B	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
26	02-04-OUSB-003-S3 NON-IT UPS-B	MCB 1P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT			
28	SPACE									
30	SPACE									
32	SPACE									
34	SPACE									
36	SPACE									
38										
40										
42										
SUPPLY FROM :		MAIN SWITCH :			MAIN CONDUCTOR :		CONNECTED LOAD (VA)	6,000	6,000	6,000
02-06-OUSB-001-B		MCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.			4x10/G-6, CV-FD		TOTAL CONNECTED (VA)	18,000		
					MAIN RACEWAY :		DEMAND LOAD (VA)	6,000	6,000	6,000
					Ø32 mm. IMC		TOTAL DEMAND LOAD (VA)	18,000		DEMAND FACTOR 1.0

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REV : 0
DATE : 17/10/2025

PANEL REF : 02-05-UDB-003-B (LVS B AUX)							LOCATION : ELV Room - Level 5 MOUNTING WALL MOUNTED			
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA			REMARKS
		TYPE	POLE	AT			PHASE A	PHASE B	PHASE C	
1	02-05-MVBTU-001-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
3	02-05-MVBTU-002-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
5	02-05-MVBTU-003-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
7	02-05-MVBTU-004-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
9	02-05-MSB-301 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
11	02-05-USB-301-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
13	02-05-USB-301-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
15	02-05-USB-301-C NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
17	02-05-USB-301-D NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
19	02-05-MSB-302 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
21	02-05-USB-302-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
23	02-05-USB-302-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
25	02-05-USB-302-C NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
27	02-05-USB-302-D NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
29	02-05-MSB-303 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
31	02-05-USB-303-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
33	02-05-USB-303-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
35	02-05-USB-303-C NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
37	02-05-USB-303-D NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
39	02-05-OUSB-003 NON-IT UPS-B	MCB	1	16	6				1,000	
41	02-05-OUSB-004 NON-IT UPS-B	MCB	1	16	6					1,000
2	02-05-MSB-304 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
4	02-05-USB-304-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
6	02-05-USB-304-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
8	02-05-USB-304-C NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
10	02-05-USB-304-D NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
12	02-05-USB-001 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
14	02-05-USB-002 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
16	02-05-USB-003 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
18	02-05-USB-004 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			500
20	02-05-LVSB-002 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
22	02-05-LVSB-001-S NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
24	02-05-LVSB-001-A NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
26	02-05-LVSB-001-B NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	1,000		
28	02-05-OUSB-001 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000	
30	02-05-OUSB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000
32	02-05-OUSB-001-S3 NON-IT UPS-B					MCB 1 P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT		
34	02-05-OUSB-002-S3 NON-IT UPS-B					MCB 1 P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT		
36	02-05-OUSB-003-S3 NON-IT UPS-B					MCB 1 P 16AT 8kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT		
38	02-05-OUSB-004-S3 NON-IT UPS-B					MCB 1 P 16AT 8kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT		
40	SPACE									
42	SPACE									

AUR (09/02/2026) : NON-IT UPS-B

SUPPLY FROM : 02-06-OUSB-001-B	MAIN SWITCH : MCCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.	MAIN CONDUCTOR : 4x10/G-6, CV-FD Ø32 mm. IMC	CONNECTED LOAD (VA)	7,000	7,500	7,500	DEMAND FACTOR
			TOTAL CONNECTED (VA)			22,000	
			DEMAND LOAD (VA)	7,000	7,500	7,500	
			TOTAL DEMAND LOAD (VA)			22,000	

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

PANEL BOARD LOAD SCHEDULE

PROJECT No. 523213

Need to Change to 48 circuit

REV : 0
DATE : 17/10/2025

PROJECT NAME : TERRA DATA CENTER

PANEL REF : 02-06-UDB-003-B (LVSb AUX)							LOCATION : ELV Room - Level 6 MOUNTING WALL MOUNTED			
CCT NO.	CIRCUIT DESCRIPTION	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	CONNECTED LOAD IN VA			REMARKS
		TYPE	POLE	AT			PHASE A	PHASE B	PHASE C	
1	02-06-HVBTU-001-B	MCB	1	20	6	2x4/G-4, IEC 01	Ø15 mm. EMT	500		
3	02-06-HVBTU-002-B	MCB	1	20	6	2x4/G-4, IEC 01	Ø15 mm. EMT		500	
5	02-06-HVBTU-003-B	MCB	1	20	6	2x4/G-4, IEC 01	Ø15 mm. EMT		500	
7	02-06-HVBTU-004-B	MCB	1	20	6	2x4/G-4, IEC 01	Ø15 mm. EMT	500		
9	02-06-HVBTU-005-B	MCB	1	20	6	2x4/G-4, IEC 01	Ø15 mm. EMT		500	
11	02-06-HVBTU-006-B	MCB	1	20	6	2x4/G-4, IEC 01	Ø15 mm. EMT		500	
13	02-06-MSB-106-S1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
15	02-06-USB-106-S1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
17	02-06-MSB-207-S2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
19	02-06-USB-207-S2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
21	02-06-USB-306-S3 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
23	02-06-USB-306-S3 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
25	02-06-MSB-105 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
27	02-06-USB-105-1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
29	02-06-USB-105-2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
31	02-06-MSB-107 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
33	02-06-USB-107-1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
35	02-06-USB-107-2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
37	02-06-LVSB-001-A NON-IT UPS-B				MCB 1 P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT			
39	02-06-LVSB-002-A NON-IT UPS-B				MCB 1 P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT			
41	02-06-LVSB-003-A NON-IT UPS-B				MCB 1 P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT			
2	02-06-MSB-305 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
4	02-06-USB-305-1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
6	02-06-USB-305-2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500	
8	02-06-LVSB-001 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500		
10	02-06-LVSB-003 NON-IT UPS-B	MCB	1	16	6				1,000	
12	02-06-LVSB-005 NON-IT UPS-B	MCB	1	16	6				1,000	
14								400		
16	- 02-06-MCC-014	MCB	3	20	6	4x4/G-4, IEC 01	Ø20 mm. EMT		200	CHILLED WATER BUFFER TANK
18									200	
20								200		
22	- 02-06-MCC-016	MCB	3	20	6	4x4/G-4, IEC 01	Ø20 mm. EMT		400	CHILLED WATER BUFFER TANK
24									200	
26								200		
28	- 02-06-MCC-018	MCB	3	20	6	4x4/G-4, IEC 01	Ø20 mm. EMT		200	CHILLED WATER BUFFER TANK
30									400	
32	02-06-LVSB-001 NON-IT UPS-B				MCB 1 P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT			
34	02-06-LVSB-002 NON-IT UPS-B				MCB 1 P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT			
36	02-06-LVSB-006 NON-IT UPS-B				MCB 1 P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT			
38	02-06-LVSB-001-S1 NON-IT UPS-B				MCB 1 P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT			
40	02-06-LVSB-002-S1 NON-IT UPS-B				MCB 1 P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT			
42	02-06-OUSB-001-A NON-IT UPS-B				MCB 1 P 16AT 6kA	2x4/G-2.5, IEC 01	Ø15 mm. EMT			
SUPPLY FROM : 02-06-OUSB-001-B		MAIN SWITCH : MCCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.		MAIN CONDUCTOR : 4x10/G-6, CV-FD		CONNECTED LOAD (VA)		4,800	5,300	5,300
				TOTAL CONNECTED (VA)				15,400		
		MAIN RACEWAY : Ø32 mm. IMC		DEMAND LOAD (VA)		4,800		5,300	5,300	DEMAND FACTOR
				TOTAL DEMAND LOAD (VA)				15,400		1.0

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

43 02-06-LVSB-001-B NON-IT UPS-B
 45 02-06-LVSB-002-B NON-IT UPS-B
 47 02-06-LVSB-003-B NON-IT UPS-B

44 02-06-OUSB-002-A NON-IT UPS-B
 46 02-06-OUSB-001-B NON-IT UPS-B
 48 02-06-OUSB-002-B NON-IT UPS-B

ADDITIONAL PANEL

SWITCHBOARD FEEDER SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REVISION :
DATE :

FEED NO.	FEEDER DESCRIPTION	LOCATION	METER	CIRCUIT BREAKER					CONDUCTOR				RACEWAY	DEMAND LOAD (VA)			REMARKS		
				TYPE	SETTINGS	Ic	SET	C	*	+	TYPE	PHASE A	PHASE B	PHASE C					
1	02-02-PDU-001-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
3	02-02-PDU-001-B1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
5	02-02-PDU-002-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT			500				
7	02-02-PDU-002-B1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
9	02-02-PDU-003-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
11	02-02-PDU-003-B1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
13	02-02-PDU-004-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
15	02-02-PDU-004-B1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
17	02-02-PDU-005-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
19	02-02-PDU-005-B1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
21	02-02-PDU-006-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
22	02-02-PDU-006-B1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
25	02-02-PDU-007-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
27	02-02-PDU-007-B1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
29	02-02-PDU-008-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
31	02-02-PDU-008-B1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
33	02-02-PDU-009-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
35	02-02-PDU-009-B1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
37	02-02-PDU-010-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
39	02-02-PDU-010-B1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
2	02-02-PDU-001-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
4	02-02-PDU-001-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
6	02-02-PDU-002-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
8	02-02-PDU-002-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
10	02-02-PDU-003-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
12	02-02-PDU-003-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
14	02-02-PDU-004-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
16	02-02-PDU-004-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
18	02-02-PDU-005-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
20	02-02-PDU-005-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
22	02-02-PDU-006-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
24	02-02-PDU-006-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
26	02-02-PDU-007-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
28	02-02-PDU-007-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
30	02-02-PDU-008-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
32	02-02-PDU-008-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
34	02-02-PDU-009-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
36	02-02-PDU-009-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
38	02-02-PDU-010-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT	500						
40	02-02-PDU-010-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P	16 AT	6 kA	1x	(2x1C x 4.0)	G-2.5	IEC01	Ø15 mm. EMT		500					
42	SPACE																		
SUPPLY FROM : 02-06-OUSB-001-A				AUR(09/02/2026) : NON-IT UPS-A				MAIN SWITCH :		MAIN CONDUCTOR :		CONNECTED LOAD (VA)		7,000	7,000	6,000			
								Ic >=14 kA		1x (4x1C x 10)		CV-FD		20,000		DEMAND FACTOR			
								④ 415 VAC, 50 Hz.		RACEWAY :		Ø 32 mm. IMC		DEMAND LOAD (VA)		7,000	7,000	6,000	
														20,000		1.0			

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE

2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

PQM = POWER QUALITY METER

DPM = DIGITAL POWER METER

ADDITIONAL PANEL

SWITCHBOARD FEEDER SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REVISION :
DATE :

PANEL REF. : 02-02-UDB-004-B		(LVSB AUX)										LOCATION : ELV B - Level 2				
CAPACITY : 42 CIRCUIT AS 1 POLE												MOUNTING : WALL MOUNTED				
MAIN BUSBAR : 100 A, 400/230 VAC, 50Hz.																
FEED NO.	DESCRIPTION	LOCATION	METER	CIRCUIT BREAKER				CONDUCTOR			RACEWAY	DEMAND LOAD (VA)				
				TYPE	SETTINGS	I _c	SET	C	*	*	TYPE	PHASE A	PHASE B	PHASE C	REMARKS	
1	02-02-PDU-001-A NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
3	02-02-PDU-001-B NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
5	02-02-PDU-002-A NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
7	02-02-PDU-002-B NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
9	02-02-PDU-003-A NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
11	02-02-PDU-003-B NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
13	02-02-PDU-004-A NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
15	02-02-PDU-004-B NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
17	02-02-PDU-005-A NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
19	02-02-PDU-005-B NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
21	02-02-PDU-006-A NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
23	02-02-PDU-006-B NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
25	02-02-PDU-007-A NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
27	02-02-PDU-007-B NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
29	02-02-PDU-008-A NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
31	02-02-PDU-008-B NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
33	02-02-PDU-009-A NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
35	02-02-PDU-009-B NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
37	02-02-PDU-010-A NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
39	02-02-PDU-010-B NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
AUR(09/02/2026) : NON-IT UPS-B																
2	02-02-PDU-001-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
4	02-02-PDU-001-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
6	02-02-PDU-002-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
8	02-02-PDU-002-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
10	02-02-PDU-003-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
12	02-02-PDU-003-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
14	02-02-PDU-004-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
16	02-02-PDU-004-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
18	02-02-PDU-005-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
20	02-02-PDU-005-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
22	02-02-PDU-006-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
24	02-02-PDU-006-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
26	02-02-PDU-007-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
28	02-02-PDU-007-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
30	02-02-PDU-008-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
32	02-02-PDU-008-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
34	02-02-PDU-009-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
36	02-02-PDU-009-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
38	02-02-PDU-010-A2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
40	02-02-PDU-010-B2 NON-IT-UPS-B	DATA HALL A, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2x1C x 4.0), G-2.5	IEC01	Ø15 mm. EMT		500					
42	SPACE															
SUPPLY FROM : 02-06-OUSB-001-B					MAIN SWITCH :			MAIN CONDUCTOR :			CONNECTED LOAD (VA)			7,000	7,000	6,000
					Ic >=14 kA @ 415 VAC, 50 Hz.			CV-FD						20,000		DEMAND FACTOR
					RACEWAY :			Ø 32 mm. IMC			DEMAND LOAD (VA)			7,000	7,000	6,000
														20,000	1.0	

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY

PQM = POWER QUALITY METER

DPM = DIGITAL POWER METER

ADDITIONAL PANEL

AUR(09/02/2026) : 24 circuit is sufficient

SWITCHBOARD FEEDER SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REVISION
DATE :

ADDITIONAL PANEL

AUR(09/02/2026) : 24 circuit is sufficient

SWITCHBOARD FEEDER SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REVISION :
DATE :

FEED NO.	FEEDER DESCRIPTION	LOCATION	METER	CIRCUIT BREAKER			CONDUCTOR			RACEWAY	DEMAND LOAD (VA)			REMARKS										
				TYPE	SETTINGS	Ic	SET	C	S		PHASE A	PHASE B	PHASE C											
1	02-06-MSSB-001 NON-IT UPS-B			MCB	1P	16 AT	6 kA	1x	(2x1Cx4.0)	G-2.5	IEC01	Ø15 mm. EMT	500											
3	02-06-MSSB-002 NON-IT UPS-B			MCB	1P	16 AT	6 kA	1x	(2x1Cx4.0)	G-2.5	IEC01	Ø15 mm. EMT	500											
5	02-06-MSSB-003 NON-IT UPS-B			MCB	1P	16 AT	6 kA	1x	(2x1Cx4.0)	G-2.5	IEC01	Ø15 mm. EMT	500											
7	02-06-MSSB-004 NON-IT UPS-B			MCB	1P	16 AT	6 kA	1x	(2x1Cx4.0)	G-2.5	IEC01	Ø15 mm. EMT	500											
9	02-06-MSSB-005 NON-IT UPS-B			MCB	1P	16 AT	6 kA	1x	(2x1Cx4.0)	G-2.5	IEC01	Ø15 mm. EMT	500											
11	02-06-MSSB-006 NON-IT UPS-B			MCB	1P	16 AT	6 kA	1x	(2x1Cx4.0)	G-2.5	IEC01	Ø15 mm. EMT	500											
13	TH-BKK02-02-06-ATS-001 NON-IT UPS-B			MCB	1P	16 AT	6 kA	1x	(2x1Cx4.0)	G-2.5	IEC01	Ø15 mm. EMT	500											
15	TH-BKK02-02-06-ATS-002 NON-IT UPS-B			MCB	1P	16 AT	6 kA	1x	(2x1Cx4.0)	G-2.5	IEC01	Ø15 mm. EMT	500											
17				MCB	1P	16 AT	6 kA																	
19				MCB	1P	16 AT	6 kA																	
21				MCB	1P	16 AT	6 kA																	
23				MCB	1P	16 AT	6 kA																	
25				MCB	1P	16 AT	6 kA																	
27				MCB	1P	16 AT	6 kA																	
29				MCB	1P	16 AT	6 kA																	
31				MCB	1P	16 AT	6 kA																	
33				MCB	1P	16 AT	6 kA																	
35				MCB	1P	16 AT	6 kA																	
37				MCB	1P	16 AT	6 kA																	
39				MCB	1P	16 AT	6 kA																	
41				MCB	1P	16 AT	6 kA																	
2				MCB	1P	16 AT	6 kA																	
4				MCB	1P	16 AT	6 kA																	
6				MCB	1P	16 AT	6 kA																	
8				MCB	1P	16 AT	6 kA																	
10				MCB	1P	16 AT	6 kA																	
12				MCB	1P	16 AT	6 kA																	
14				MCB	1P	16 AT	6 kA																	
16				MCB	1P	16 AT	6 kA																	
18				MCB	1P	16 AT	6 kA																	
20				MCB	1P	16 AT	6 kA																	
22				MCB	1P	16 AT	6 kA																	
24				MCB	1P	16 AT	6 kA																	
26				MCB	1P	16 AT	6 kA																	
28				MCB	1P	16 AT	6 kA																	
30				MCB	1P	16 AT	6 kA																	
32				MCB	1P	16 AT	6 kA																	
34				MCB	1P	16 AT	6 kA																	
36				MCB	1P	16 AT	6 kA																	
38				MCB	1P	16 AT	6 kA																	
40																								
42																								
SUPPLY FROM :				MAIN SWITCH :			MAIN CONDUCTOR :			CONNECTED LOAD (VA)			1,500	1,500	1,000									
02-06-OUSB-001-B				MCCB	3P	50 AT	100 AF	1x	(4x1Cx10)	G-6	CV-FD				DEMAND FACTOR									
				Ic >=14 kA			RACEWAY :			DEMAND LOAD (VA)			1,500	1,500	1,000									
				@ 415 VAC, 50 Hz			Ø 32 mm. IMC			4,000					1.0									
NOTES :																								
1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE																								
2. IF RCBO REQUIRED, PROVIDE RCBO WITH 30 mA SENSIBILITY																								
PQM = POWER QUALITY METER																								
DPM = DIGITAL POWER METER																								

Future load 1.25 1,875 1,875 1,250

OUTPUT UPS SWITCHBOARD FEEDER SCHEDULE

PROJECT No. 523213
 PROJECT NAME : TERRA DATA CENTER

REVISION : I
 DATE : 07/11/2025

PANEL REF : 02-06-OUSB-001-A			(BUILDING UPS)			CONSTRUCTION : FORM 2b, IP42			LOCATION : LV Switch Room A - Level 6		
MAIN BUSBAR : 400 A, 400/230 VAC, 50Hz.			PHASE 1			FINISH COLOUR :			MOUNTING : FLOOR MOUNTED		
BUSBAR TYPE : COPPER, 100%N						FAULT LEVEL (Ic) : 36 kA @ 415 VAC, 50 Hz.					
FEED NO.	FEEDER DESCRIPTION	METER	CIRCUIT BREAKER			CONDUCTOR	RACEWAY	DEMAND LOAD (VA)			REMARKS
			TYPE	SETTINGS	Ic			PHASE A	PHASE B	PHASE C	
1	02-01-UDB-003-A	DPM	MCCB 4P, 50AT/100AF	36 kA		4x10/G-6, CV-FD	Ø32 mm. IMC	3,500	3,500	4,000	
2	02-02-UDB-003-A	DPM	MCCB 4P, 50AT/100AF	36 kA		4x10/G-6, CV-FD	Ø32 mm. IMC	7,500	7,500	7,000	
3	02-03-UDB-003-A	DPM	MCCB 4P, 50AT/100AF	36 kA		4x10/G-6, CV-FD	Ø32 mm. IMC	5,500	5,500	5,500	
4	02-04-UDB-003-A	DPM	MCCB 4P, 50AT/100AF	36 kA		4x10/G-6, CV-FD	Ø32 mm. IMC	5,500	5,500	5,500	
5	02-05-UDB-003-A	DPM	MCCB 4P, 50AT/100AF	36 kA		4x10/G-6, CV-FD	Ø32 mm. IMC	7,000	6,500	6,500	
6	02-06-UDB-003-A	DPM	MCCB 4P, 50AT/100AF	36 kA		4x10/G-6, CV-FD	Ø32 mm. IMC	4,800	5,300	5,300	
7	02-02-UDB-004-A	DPM	MCCB 4P, 50AT/100AF	36 kA		4x10/G-6, CV-FD	Ø32 mm. IMC	5,000	5,000	5,000	
8	02-06-UDB-004-A	DPM	MCCB 4P, 50AT/100AF	36 kA		4x10/G-6, CV-FD	Ø32 mm. IMC				
9	SPACE										
AUR(09/02/2026) : Please recheck the minimum allowable cable size for single-core cables installed on the cable ladder, and verify the cable grouping calculations for multiple circuits installed on the same cable ladder, in accordance with the EIT standard.											
SUPPLY FROM : 02-06-USB-105-1			MAIN SWITCH : MCCB 3P, 250AT/250AF Ic ≥ 36 kA @ 415 VAC, 50 Hz.			MAIN CONDUCTOR : 4x120/G-35, CV-FD			DEMAND LOAD (VA) 38,800 38,800 38,800		
									116,400		
			RACEWAY : Cable Ladder 200 mm.			DIVERSIFIED LOAD (VA) 31,040 31,040 31,040			93,120		
DIVERSITY FACTOR 0.8											

NOTES :

1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
2. ALL METERS TO BE CONNECTED TO ENERGY MANAGEMENT SYSTEM (EMS)

PQM = POWER QUALITY METER

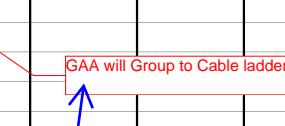
DPM = DIGITAL POWER METER

GAA will Group to Cable ladder

OUTPUT UPS SWITCHBOARD FEEDER SCHEDULE

PROJECT No. 523213
PROJECT NAME : TERRA DATA CENTER

REVISION : 1
DATE : 07/11/2025

PANEL REF : 02-06-OUSB-001-B		(BUILDING UPS)			CONSTRUCTION : FORM 2b, IP42			LOCATION : LV Switch Room B - Level 6			
MAIN BUSBAR : 400 A, 400/230 VAC, 50Hz.		PHASE 1			FINISH COLOUR :			MOUNTING : FLOOR MOUNTED			
BUSBAR TYPE : COPPER, 100%					FAULT LEVEL (Ic) : 36 kA @ 415 VAC, 50 Hz.						
FEED NO.	FEEDER DESCRIPTION		METER	CIRCUIT BREAKER		CONDUCTOR	RACEWAY	DEMAND LOAD (VA)			
				TYPE	SETTINGS	Ic		PHASE A	PHASE B	PHASE C	
1	02-01-UDB-003-B		DPM	MCCB	4P, 50AT/100AF	36 kA	4x10/G-6, CV-FD	Ø32 mm. IMC	5,000	5,000	5,000
2	02-02-UDB-003-B		DPM	MCCB	4P, 50AT/100AF	36 kA	4x10/G-6, CV-FD	Ø32 mm. IMC	7,500	7,500	7,000
3	02-03-UDB-003-B		DPM	MCCB	4P, 50AT/100AF	36 kA	4x10/G-6, CV-FD	Ø32 mm. IMC	6,000	6,000	6,000
4	02-04-UDB-003-B		DPM	MCCB	4P, 50AT/100AF	36 kA	4x10/G-6, CV-FD	Ø32 mm. IMC	6,000	6,000	6,000
5	02-05-UDB-003-B		DPM	MCCB	4P, 50AT/100AF	36 kA	4x10/G-6, CV-FD	Ø32 mm. IMC	7,000	7,500	7,500
6	02-06-UDB-003-B		DPM	MCCB	4P, 50AT/100AF	36 kA	4x10/G-6, CV-FD	Ø32 mm. IMC	4,800	5,300	5,300
7	02-02-UDB-004-B		DPM	MCCB	4P, 50AT/100AF	36 kA	4x10/G-6, CV-FD	Ø32 mm. IMC	5,000	5,000	5,000
8	02-06-UDB-004-B		DPM	MCCB	4P, 50AT/100AF	36 kA	4x10/G-6, CV-FD	Ø32 mm. IMC			
9	SPACE										
<p style="color: blue;">AUR(09/02/2026) : Please recheck the minimum allowable cable size for single-core cables installed on the cable ladder, and verify the cable grouping calculations for multiple circuits installed on the same cable ladder, in accordance with the EIT standard.</p> 											
SUPPLY FROM : 02-06-USB-107-1		DPM	MAIN SWITCH :	MAIN CONDUCTOR : 4x120/G-35, CV-FD			DEMAND LOAD (VA)	41,300	42,300	41,800	
			Ic ≥ 36 kA	RACEWAY : Cable Ladder 200 mm.			DIVERSIFIED LOAD (VA)	125,400			DIVERSITY FACTOR
			@ 415 VAC, 50 Hz.					33,040	33,840	33,440	
								100,320			0.8

NOTES :

1. INTERRUPTING CAPACITY (I_c) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE
 2. ALL METERS TO BE CONNECTED TO ENERGY MANAGEMENT SYSTEM (EMS)

PQM = POWER QUALITY METER

DPM = DIGITAL POWER METER