

## 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 : ☒ Q&A ☐ Drawing ☒ Document ☐ Others (as specified below)

SUBJECT : Request for Confirmation - Aux. Supply for LVSB, OUSB, MSSB and ATS.

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 (FI)	<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 LVSB, 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 (LVSB AUX) supply Aux LVSB,OUSB
2. Additional feeder for above in 02-02-UDB-003-A/B (LVSB 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 (LVSB AUX) ,02-04-UDB-003-A/B (LVSB AUX) ,02-05-UDB-003-A/B (LVSB AUX),02-06-UDB-003-A/B (LVSB AUX)
- 5.Additional panel 02-06-UDB-004-A/B (LVSB 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

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

From : GAA Group

By : 

Name / Position : Mr. Itsarate Trachuengtong/  
Project Manager

Date : 15-Jan-26

Reviewed By : Commtech Asia (Thailand)

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

## (3) ATTN : AURECON

☐ For Approval ☐ See Note ☐ Please Clarify

Note : 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 : 020203-01-0001  
Date received : 15-Jan-26  
  
This review is only for general confirmation with the design concept of the project and overall compliance with the information provided in the contract documents. The Contractor is subject to the requirements of the contract document.  
This review does not relieve the Contractor of his contractual obligations nor of his responsibility to ensure that the design is complete, accurate & correct.  
Any amendment does not constitute an order or authority for a price variation to the contract.

From : Commtech Asia (Thailand)

By : 

Name / Position : ( )

Date : 09 February 2026

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 : 09 February 2026

Reviewed By : STT GDC

Name / Position : ( )

Date : 09 February 2026

## 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					
CAPACITY : 24		CIRCUIT AS 1 POLE				MOUNTING WALL MOUNTED					
MAIN BUSBAR : 100		A, 400/230 VAC, 50Hz.									
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	02-01-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 :  02-06-OUSB-001-A		MAIN SWITCH : MCCB 3P, 50AT/100AF Ic ≥ 14 kA  @ 415 VAC, 50 Hz.		MAIN CONDUCTOR : 4x10/G-6, CV-FD  MAIN RACEWAY : Ø32 mm. IMC		CONNECTED LOAD (VA)		3,500	3,500	4,000	DEMAND FACTOR 1.0
						TOTAL CONNECTED (VA)		11,000			
						DEMAND LOAD (VA)		3,500	3,500	4,000	
						TOTAL DEMAND LOAD (VA)		11,000			

## 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  
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							
MAIN BUSBAR : 100		A, 400/230 VAC, 50Hz.											
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-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 02-02-0USB-002-A1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500					
4	02-02-PDU-002 02-02-0USB-002-B1 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		500				
6	02-02-PDU-003 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-004 02-02-0USB-002-A2 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500					
10	02-02-PDU-005 02-02-0USB-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 :  02-06-0USB-001-A		MAIN SWITCH :				MAIN CONDUCTOR :		CONNECTED LOAD (VA)		7,500	7,500	7,000	
		MCCB 3P, 50AT/100AF  Ic ≥ 14 kA  @ 415 VAC, 50 Hz.				4x10/G-6, CV-FD		TOTAL CONNECTED (VA)		22,000			
						MAIN RACEWAY :		DEMAND LOAD (VA)		7,500	7,500	7,000	DEMAND FACTOR
						Ø32 mm. IMC		TOTAL DEMAND LOAD (VA)		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)

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						
CAPACITY : 36		CIRCUIT AS 1 POLE				MOUNTING WALL MOUNTED						
MAIN BUSBAR : 100		A, 400/230 VAC, 50Hz.										
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	02-03-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 :  02-06-OUSB-001-A		MAIN SWITCH : MCCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.				MAIN CONDUCTOR : 4x10/G-6, CV-FD		CONNECTED LOAD (VA)	5,500	5,500	5,500	
								TOTAL CONNECTED (VA)	16,500			
						MAIN RACEWAY : Ø32 mm. IMC		DEMAND LOAD (VA)	5,500	5,500	5,500	DEMAND FACTOR
								TOTAL DEMAND LOAD (VA)	16,500			

- 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					
CAPACITY :		36		CIRCUIT AS 1 POLE		MOUNTING WALL MOUNTED					
MAIN BUSBAR :		100		A, 400/230 VAC, 50Hz.							
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	02-04-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	
02-06-OUSB-001-A		MCCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.				4x10/G-6, CV-FD  MAIN RACEWAY : Ø32 mm. IMC		TOTAL CONNECTED (VA)		16,500	
								DEMAND LOAD (VA)		5,500	
								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						
CAPACITY : 42		CIRCUIT AS 1 POLE				MOUNTING WALL MOUNTED						
MAIN BUSBAR : 100		A, 400/230 VAC, 50Hz.										
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	02-05-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	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT					
41	02-05-OUSB-004 NON-IT UPS-A	MCB 1 P 16AT 6kA				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	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT					
34	02-05-OUSB-002-S3 NON-IT UPS-A	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT					
36	02-05-OUSB-003-S3 NON-IT UPS-A	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT					
38	02-05-OUSB-004-S3 NON-IT UPS-A	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT					
40	SPACE											
42	SPACE											
SUPPLY FROM :  02-06-OUSB-001-A		MAIN SWITCH : MCCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.				MAIN CONDUCTOR : 4x10/G-6, CV-FD		CONNECTED LOAD (VA)	7,000	6,500	6,500	DEMAND FACTOR 1.0
								TOTAL CONNECTED (VA)			20,000	
						MAIN RACEWAY : Ø32 mm. IMC		DEMAND LOAD (VA)	7,000	6,500	6,500	
								TOTAL DEMAND LOAD (VA)			20,000	

- 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  
PROJECT NAME : TERRA DATA CENTER

Need to Change to 48 circuit

REV : 0  
DATE : 17/10/2025

PANEL REF : 02-06-LVB-003-A		(LVSU AUX)		LOCATION : ELV Room - Level 6									
CAPACITY : 42		CIRCUIT AS 1 POLE		MOUNTING WALL MOUNTED									
MAIN BUSBAR : 100		A, 400/230 VAC, 50Hz.											
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-MSB-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	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT						
39	02-06-LVSB-002-A NON-IT UPS-A	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT						
41	02-06-LVSB-003-A NON-IT UPS-A	MCB 1 P 16AT 6KA				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	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT						
34	02-06-LVSB-002 NON-IT UPS-A	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT						
36	02-06-LVSB-006 NON-IT UPS-A	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT						
38	02-06-LVSB-001-S1 NON-IT UPS-A	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT						
40	02-06-LVSB-002-S1 NON-IT UPS-A	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT						
42	02-06-USB-001-A NON-IT UPS-A	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT						
SUPPLY FROM :  02-06-USB-001-A		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	DEMAND FACTOR  1.0
								TOTAL CONNECTED (VA)		15,400			
						MAIN RACEWAY : Ø32 mm. IMC		DEMAND LOAD (VA)		4,800	5,300	5,300	
								TOTAL DEMAND LOAD (VA)		15,400			

## 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 1 P 16AT 6KA	2x4/G-2.5, IEC 01	Ø15 mm. EMT
45	02-06-LVSB-002-B NON-IT UPS-A	MCB 1 P 16AT 6KA	2x4/G-2.5, IEC 01	Ø15 mm. EMT
47	02-06-LVSB-003-B NON-IT UPS-A	MCB 1 P 16AT 6KA	2x4/G-2.5, IEC 01	Ø15 mm. EMT
44	02-06-USB-002-A NON-IT UPS-A	MCB 1 P 16AT 6KA	2x4/G-2.5, IEC 01	Ø15 mm. EMT
46	02-06-USB-001-B NON-IT UPS-A	MCB 1 P 16AT 6KA	2x4/G-2.5, IEC 01	Ø15 mm. EMT
48	02-06-USB-002-B NON-IT UPS-A	MCB 1 P 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-USB-003-B		(LVSB AUX)				LOCATION : ELV Room - Level 1					
CAPACITY : 24		CIRCUIT AS 1 POLE				MOUNTING WALL MOUNTED					
MAIN BUSBAR : 100		A, 400/230 VAC, 50Hz.									
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	02-01-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 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
16	02-01-LVSB-002-B NON-IT-UPS-B	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
18	02-01-LVSB-003-B NON-IT-UPS-B	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
20	02-01-0USB-001-A NON-IT-UPS-B	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
22	02-01-0USB-001-B NON-IT-UPS-B	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
24	SPACE										
26											
28											
30											
32											
34											
36											
38											
40											
42											
SUPPLY FROM :		MAIN SWITCH :				MAIN CONDUCTOR :		CONNECTED LOAD (VA)			DEMAND FACTOR
02-06-0USB-001-B		MCCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.				4x10/G-6, CV-FD  MAIN RACEWAY : Ø32 mm. IMC		5,000 5,000 5,000			
								TOTAL CONNECTED (VA)			
								15,000			
								5,000 5,000 5,000			
								TOTAL DEMAND LOAD (VA)			1.0
								15,000			

- 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  
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				MOUNTING WALL MOUNTED						
MAIN BUSBAR : 100		A, 400/230 VAC, 50Hz.										
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 02-02-0USB-002-A1 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500				
4	02-02-PDU 02-02-0USB-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 02-02-0USB-002-A2 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT	500				
10	02-02-PDU 02-02-0USB-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 :  02-06-0USB-001-B		MAIN SWITCH : MCCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.		MAIN CONDUCTOR : 4x10/G-6, CV-FD  MAIN RACEWAY : Ø32 mm. IMC		CONNECTED LOAD (VA)		7,500	7,500	7,000	DEMAND FACTOR 1.0	
						TOTAL CONNECTED (VA)		22,000				
						DEMAND LOAD (VA)		7,500	7,500	7,000		
						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

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-USB-003-B		(LVSU AUX)		LOCATION : ELV Room - Level 3							
CAPACITY :		24		CIRCUIT AS 1 POLE		MOUNTING WALL MOUNTED							
MAIN BUSBAR :		100		A, 400/230 VAC, 50Hz.									
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	02-03-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 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT						
22	02-03-OUSB-002-S2 NON-IT UPS-B	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT						
24	02-03-OUSB-003-S2 NON-IT UPS-B	MCB 1 P 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		MCCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.				4x10/G-6, CV-FD  MAIN RACEWAY : Ø32 mm. IMC		TOTAL CONNECTED (VA)		18,000			
								DEMAND LOAD (VA)		6,000	6,000	6,000	DEMAND FACTOR 1.0
								TOTAL DEMAND LOAD (VA)		18,000			

- 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  
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					
CAPACITY :		36		CIRCUIT AS 1 POLE		MOUNTING WALL MOUNTED					
MAIN BUSBAR :		100		A, 400/230 VAC, 50Hz.							
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	02-04-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-USB-001 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000		
18	02-04-USB-002 NON-IT UPS-B	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000	
20	02-04-USB-003 NON-IT UPS-B	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
22	02-04-USB-001-S2 NON-IT UPS-BB	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
24	02-04-USB-002-S2 NON-IT UPS-B	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT				
26	02-04-USB-003-S3 NON-IT UPS-B	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 :  02-06-OUUSB-001-B		MAIN SWITCH : MCCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.				MAIN CONDUCTOR : 4x10/G-6, CV-FD  MAIN RACEWAY : Ø32 mm. IMC		CONNECTED LOAD (VA)			DEMAND FACTOR
								6,000	6,000	6,000	
								TOTAL CONNECTED (VA)			
								18,000			
								DEMAND LOAD (VA)			
								6,000	6,000	6,000	
								TOTAL DEMAND LOAD (VA)			1.0
								18,000			

- 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  
PROJECT NAME : TERRA DATA CENTER

REV : 0  
DATE : 17/10/2025

PANEL REF : 02-05-USB-003-B		(LVSB AUX)		LOCATION : ELV Room - Level 5										
CAPACITY : 42		CIRCUIT AS 1 POLE		MOUNTING WALL MOUNTED										
MAIN BUSBAR : 100		A, 400/230 VAC, 50Hz.												
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	02-05-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-USB-003 NON-IT UPS-B	MCB	1	16	6				1,000					
41	02-05-USB-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-USB-001 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT		1,000					
30	02-05-USB-002 NON-IT UPS-A	MCB	1	16	6	2x4/G-2.5, IEC 01	Ø15 mm. EMT			1,000				
32	02-05-USB-001-S3 NON-IT UPS-B	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT							
34	02-05-USB-002-S3 NON-IT UPS-B	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT							
36	02-05-USB-003-S3 NON-IT UPS-B	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT							
38	02-05-USB-004-S3 NON-IT UPS-B	MCB 1 P 16AT 6kA				2x4/G-2.5, IEC 01	Ø15 mm. EMT							
40	SPACE													
42	SPACE													
SUPPLY FROM :  02-06-USB-001-B		MAIN SWITCH : MCCB 3P, 50AT/100AF Ic ≥ 14 kA @ 415 VAC, 50 Hz.		MAIN CONDUCTOR : 4x10/G-6, CV-FD		MAIN RACEWAY : Ø32 mm. IMC		CONNECTED LOAD (VA)		7,000	7,500	7,500	DEMAND FACTOR 1.0	
								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  
PROJECT NAME : TERRA DATA CENTER

Need to Change to 48 circuit

REV : 0  
DATE : 17/10/2025

PANEL REF : 02-06-USB-003-B		(LVSB AUX)				LOCATION : ELV Room - Level 6						
CAPACITY : 36		CIRCUIT AS 1 POLE				MOUNTING WALL MOUNTED						
MAIN BUSBAR : 100		A, 400/230 VAC, 50Hz.										
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-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-MSB-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-LBSB-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	02-06-0USB-001-A NON-IT UPS-B	MCB 1 P 16AT 6KA				2x4/G-2.5, IEC 01	Ø15 mm. EMT					
SUPPLY FROM :  02-06-0USB-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)			REMARKS	
								4,800	5,300	5,300		
						MAIN RACEWAY : Ø32 mm. IMC		TOTAL CONNECTED (VA)				
								4,800	5,300	5,300		
						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	02-06-0USB-002-A NON-IT UPS-B
46	02-06-0USB-001-B NON-IT UPS-B
48	02-06-0USB-002-B NON-IT UPS-B

# ADDITIONAL PANEL

## SWITCHBOARD FEEDER SCHEDULE

PROJECT No. 523213  
PROJECT NAME : TERRA DATA CENTER

REVISION :  
DATE :

PANEL REF :		02-02-UDB-004-A		(LVSB AUX)		LOCATION :		ELV A - Level 2									
CAPACITY :		42		CIRCUIT AS 1 POLE		MOUNTING :		WALL MOUNTED									
MAIN BUSBAR :		100		A, 400/230 VAC, 50Hz.													
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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C x 4.0 )	G - 2.5	IEC01	Ø15 mm. EMT		500				
23	02-02-PDU-006-B1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	1 x	( 2 x 1C 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	DEMAND FACTOR
								MCCB 3P 50 AT 100 AF		1 x ( 4 x 1C x 10 ) G - 6 CV-FD				20,000			
								Ic >=14 kA		RACEWAY :		DEMAND LOAD (VA)		7,000	7,000		
								@ 415 VAC, 50 Hz.		Ø 32 mm. IMC				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

Future load 1.25 8,750 8,750 7,500

# 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.	FEEDER DESCRIPTION	LOCATION	METER	CIRCUIT BREAKER		CONDUCTOR					RACEWAY	DEMAND LOAD (VA)			REMARKS	
				TYPE	SETTINGS	Ic	SET	C	+	+		+	TYPE	PHASE A		PHASE B
1	02-02-PDU-001-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2 x 1C x 4.0 )	G-2.5	IEC01		Ø15 mm. EMT	500				
3	02-02-PDU-001-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2 x 1C 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 (2 x 1C x 4.0 )	G-2.5	IEC01		Ø15 mm. EMT			500		
7	02-02-PDU-002-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2 x 1C 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 (2 x 1C x 4.0 )	G-2.5	IEC01		Ø15 mm. EMT		500			
11	02-02-PDU-003-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2 x 1C 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 (2 x 1C x 4.0 )	G-2.5	IEC01		Ø15 mm. EMT	500				
15	02-02-PDU-004-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2 x 1C 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 (2 x 1C x 4.0 )	G-2.5	IEC01		Ø15 mm. EMT			500		
19	02-02-PDU-005-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2 x 1C 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 (2 x 1C x 4.0 )	G-2.5	IEC01		Ø15 mm. EMT		500			
23	02-02-PDU-006-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2 x 1C 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 (2 x 1C x 4.0 )	G-2.5	IEC01		Ø15 mm. EMT	500				
27	02-02-PDU-007-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2 x 1C 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 (2 x 1C x 4.0 )	G-2.5	IEC01		Ø15 mm. EMT			500		
31	02-02-PDU-008-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2 x 1C 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 (2 x 1C x 4.0 )	G-2.5	IEC01		Ø15 mm. EMT		500			
35	02-02-PDU-009-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2 x 1C 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 (2 x 1C x 4.0 )	G-2.5	IEC01		Ø15 mm. EMT	500				
39	02-02-PDU-010-A1 NON-IT-UPS-A	DATA HALL C, LEVEL 2		MCB	1 P 16 AT	6 kA	1x (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C 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 (2 x 1C x 4.0 )	G-2.5	IEC01		Ø15 mm. EMT		500			
42	SPACE															
SUPPLY FROM : 02-06-OUSB-001-B				MAIN SWITCH : MCCB 3P 50 AT 100 AF Ic >=14 kA @ 415 VAC, 50 Hz.			MAIN CONDUCTOR : 1x (4 x 1C x 10 ) G-6 CV-FD RACEWAY : Ø 32 mm. IMC				CONNECTED LOAD (VA)		7,000	7,000	6,000	DEMAND FACTOR 1.0
											DEMAND LOAD (VA)		7,000	7,000	6,000	
															20,000	

- 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

PQM = POWER QUALITY METER  
DPM = DIGITAL POWER METER

Future load 1.25 8,750 8,750 7,500

# ADDITIONAL PANEL

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

## SWITCHBOARD FEEDER SCHEDULE

PROJECT No. 523213  
PROJECT NAME : TERRA DATA CENTER

REVISION :  
DATE :

PANEL REF : 02-06-0US-004-A (LVSB AUX)										LOCATION : EE ROOM - Level 6							
CAPACITY : 42 CIRCUIT AS 1 POLE										MOUNTING : WALL MOUNTED							
MAIN BUSBAR : 100 A, 400/230 VAC, 50Hz																	
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	02-06-MSSB-001 NON-IT UPS-A			MCB	1 P 16 AT	6 kA		1 x ( 2 x 1C x 4.0 )		G - 2.5	IEC01	Ø15 mm. EMT	500				
3	02-06-MSSB-002 NON-IT UPS-A			MCB	1 P 16 AT	6 kA		1 x ( 2 x 1C x 4.0 )		G - 2.5	IEC01	Ø15 mm. EMT		500			
5	02-06-MSSB-003 NON-IT UPS-A			MCB	1 P 16 AT	6 kA		1 x ( 2 x 1C x 4.0 )		G - 2.5	IEC01	Ø15 mm. EMT			500		
7	02-06-MSSB-004 NON-IT UPS-A			MCB	1 P 16 AT	6 kA		1 x ( 2 x 1C x 4.0 )		G - 2.5	IEC01	Ø15 mm. EMT	500				
9	02-06-MSSB-005 NON-IT UPS-A			MCB	1 P 16 AT	6 kA		1 x ( 2 x 1C x 4.0 )		G - 2.5	IEC01	Ø15 mm. EMT		500			
11	02-06-MSSB-006 NON-IT UPS-A			MCB	1 P 16 AT	6 kA		1 x ( 2 x 1C x 4.0 )		G - 2.5	IEC01	Ø15 mm. EMT			500		
13	TH-BKK02-02-06-ATS-001 NON-IT UPS-A			MCB	1 P 16 AT	6 kA		1 x ( 2 x 1C x 4.0 )		G - 2.5	IEC01	Ø15 mm. EMT	500				
15	TH-BKK02-02-06-ATS-002 NON-IT UPS-A			MCB	1 P 16 AT	6 kA		1 x ( 2 x 1C x 4.0 )		G - 2.5	IEC01	Ø15 mm. EMT		500			
17				MCB	1 P 16 AT	6 kA											
19				MCB	1 P 16 AT	6 kA											
21				MCB	1 P 16 AT	6 kA											
23				MCB	1 P 16 AT	6 kA											
25				MCB	1 P 16 AT	6 kA											
27				MCB	1 P 16 AT	6 kA											
29				MCB	1 P 16 AT	6 kA											
31				MCB	1 P 16 AT	6 kA											
33				MCB	1 P 16 AT	6 kA											
35				MCB	1 P 16 AT	6 kA											
37				MCB	1 P 16 AT	6 kA											
39				MCB	1 P 16 AT	6 kA											
41				MCB	1 P 16 AT	6 kA											
2				MCB	1 P 16 AT	6 kA											
4				MCB	1 P 16 AT	6 kA											
6				MCB	1 P 16 AT	6 kA											
8				MCB	1 P 16 AT	6 kA											
10				MCB	1 P 16 AT	6 kA											
12				MCB	1 P 16 AT	6 kA											
14				MCB	1 P 16 AT	6 kA											
16				MCB	1 P 16 AT	6 kA											
18				MCB	1 P 16 AT	6 kA											
20				MCB	1 P 16 AT	6 kA											
22				MCB	1 P 16 AT	6 kA											
24				MCB	1 P 16 AT	6 kA											
26				MCB	1 P 16 AT	6 kA											
28				MCB	1 P 16 AT	6 kA											
30				MCB	1 P 16 AT	6 kA											
32				MCB	1 P 16 AT	6 kA											
34				MCB	1 P 16 AT	6 kA											
36				MCB	1 P 16 AT	6 kA											
38				MCB	1 P 16 AT	6 kA											
40																	
42																	
SUPPLY FROM : 02-06-0USB-001-A				MAIN SWITCH : MCCB 3P 50 AT 100 AF Ic >=14 kA @ 415 VAC, 50 Hz.			MAIN CONDUCTOR : 1 x ( 4 x 1C x 10 ) , G - 6 CV-FD RACEWAY : Ø 32 mm. IMC					CONNECTED LOAD (VA)			4,000		DEMAND FACTOR
												DEMAND LOAD (VA)			4,000		
NOTES :												1,500	1,500	1,000			
1. INTERRUPTING CAPACITY (Ic) SHALL BE NOT LESS THAN SPECIFIED RATING IN THIS SCHEDULE												Future load 1.25	1,875	1,875	1,250		
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 :

PANEL REF : 02-06-004-B (LVSB AUX)										LOCATION : STORE ROOM - Level 6						
CAPACITY : 42 CIRCUIT AS 1 POLE										MOUNTING : WALL MOUNTED						
MAIN BUSBAR : 100 A, 400/230 VAC, 50Hz																
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	02-06-MSSB-001 NON-IT UPS-B			MCB	1 P 16 AT	6 kA	1 x	( 2 x 1C x 4.0 )	G - 2.5	IEC01	Ø15 mm. EMT	500				
3	02-06-MSSB-002 NON-IT UPS-B			MCB	1 P 16 AT	6 kA	1 x	( 2 x 1C x 4.0 )	G - 2.5	IEC01	Ø15 mm. EMT		500			
5	02-06-MSSB-003 NON-IT UPS-B			MCB	1 P 16 AT	6 kA	1 x	( 2 x 1C x 4.0 )	G - 2.5	IEC01	Ø15 mm. EMT			500		
7	02-06-MSSB-004 NON-IT UPS-B			MCB	1 P 16 AT	6 kA	1 x	( 2 x 1C x 4.0 )	G - 2.5	IEC01	Ø15 mm. EMT	500				
9	02-06-MSSB-005 NON-IT UPS-B			MCB	1 P 16 AT	6 kA	1 x	( 2 x 1C x 4.0 )	G - 2.5	IEC01	Ø15 mm. EMT		500			
11	02-06-MSSB-006 NON-IT UPS-B			MCB	1 P 16 AT	6 kA	1 x	( 2 x 1C x 4.0 )	G - 2.5	IEC01	Ø15 mm. EMT			500		
13	TH-BKK02-02-06-ATS-001 NON-IT UPS-B			MCB	1 P 16 AT	6 kA	1 x	( 2 x 1C x 4.0 )	G - 2.5	IEC01	Ø15 mm. EMT	500				
15	TH-BKK02-02-06-ATS-002 NON-IT UPS-B			MCB	1 P 16 AT	6 kA	1 x	( 2 x 1C x 4.0 )	G - 2.5	IEC01	Ø15 mm. EMT		500			
17				MCB	1 P 16 AT	6 kA										
19				MCB	1 P 16 AT	6 kA										
21				MCB	1 P 16 AT	6 kA										
23				MCB	1 P 16 AT	6 kA										
25				MCB	1 P 16 AT	6 kA										
27				MCB	1 P 16 AT	6 kA										
29				MCB	1 P 16 AT	6 kA										
31				MCB	1 P 16 AT	6 kA										
33				MCB	1 P 16 AT	6 kA										
35				MCB	1 P 16 AT	6 kA										
37				MCB	1 P 16 AT	6 kA										
39				MCB	1 P 16 AT	6 kA										
41				MCB	1 P 16 AT	6 kA										
2				MCB	1 P 16 AT	6 kA										
4				MCB	1 P 16 AT	6 kA										
6				MCB	1 P 16 AT	6 kA										
8				MCB	1 P 16 AT	6 kA										
10				MCB	1 P 16 AT	6 kA										
12				MCB	1 P 16 AT	6 kA										
14				MCB	1 P 16 AT	6 kA										
16				MCB	1 P 16 AT	6 kA										
18				MCB	1 P 16 AT	6 kA										
20				MCB	1 P 16 AT	6 kA										
22				MCB	1 P 16 AT	6 kA										
24				MCB	1 P 16 AT	6 kA										
26				MCB	1 P 16 AT	6 kA										
28				MCB	1 P 16 AT	6 kA										
30				MCB	1 P 16 AT	6 kA										
32				MCB	1 P 16 AT	6 kA										
34				MCB	1 P 16 AT	6 kA										
36				MCB	1 P 16 AT	6 kA										
38				MCB	1 P 16 AT	6 kA										
40																
42																
SUPPLY FROM : 02-06-0USB-001-B				MAIN SWITCH : MCCB 3P 50 AT 100 AF Ic >=14 kA @ 415 VAC, 50 Hz.			MAIN CONDUCTOR : 1 x ( 4 x 1C x 10 ) G - 6 CV-FD RACEWAY : Ø 32 mm. IMC				CONNECTED LOAD (VA)	1,500	1,500	1,000	DEMAND FACTOR 1.0	
											DEMAND LOAD (VA)					
															</	

## OUTPUT UPS SWITCHBOARD FEEDER SCHEDULE

PROJECT No. 523213  
PROJECT NAME : TERRA DATA CENTER

REVISION : 1  
DATE : 07/11/2025

PANEL REF :		02-06-0USB-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	SI 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	SI 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 :			MAIN SWITCH :			MAIN CONDUCTOR :		DEMAND LOAD (VA)		DIVERSITY FACTOR	
02-06-USB-105-1			DPM MCCB 3P, 250AT/250AF Ic ≥ 36 kA @ 415 VAC, 50 Hz.			4x120/G-35, CV-FD  Cable Ladder 200 mm.		38,800 38,800 38,800 116,400		31,040 31,040 31,040 93,120 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

## 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%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-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		36kA	4x10/G-6, CV-FD	Ø32 mm. IMC				
9	SPACE										

**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