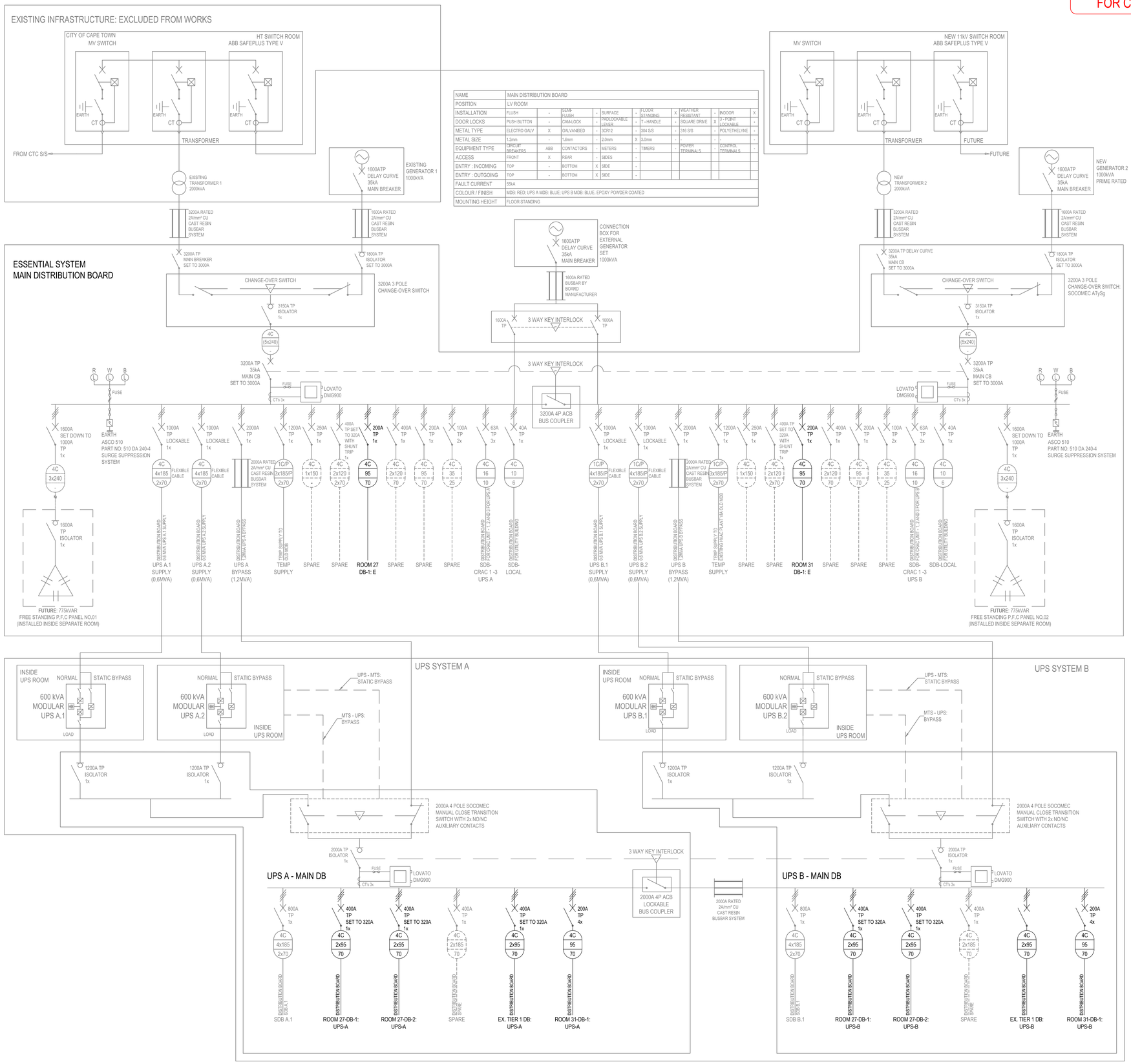
Monday, 22 June 2026 12:52:00

FOR CONSTRUCTION



NAME	MAIN DISTRIBUTION BOARD													
POSITION	LV ROOM													
INSTALLATION	FLUSH	-	SEMI-FLUSH	-	SURFACE	-	FLOOR STANDING	X	WEATHER RESISTANT	-	INDOOR	X		
DOOR LOCKS	PUSH BUTTON	-	CAMLOCK	-	PADLOCKABLE LEVER	-	T - HANDLE	-	SQUARE DRIVE	X	3 - POINT LOCKABLE	-		
METAL TYPE	ELECTRO GALV	X	GALVANISED	-	3CR12	-	304 S/S	-	316 S/S	-	POLYETHELYNE	-		
METAL SIZE	1.2mm	-	1.6mm	-	2.0mm	X	3.0mm	-	-	-	-	-		
EQUIPMENT TYPE	CIRCUIT BREAKERS	ABB	CONTACTORS	-	METERS	-	TIMERS	-	POWER TERMINALS	-	CONTROL TERMINALS	-		
ACCESS	FRONT	X	REAR	-	SIDES	-								
ENTRY : INCOMING	TOP	X	BOTTOM	X	SIDE	-								
ENTRY : OUTGOING	TOP	-	BOTTOM	X	SIDE	-								
FAULT CURRENT	55kA													
COLOUR / FINISH	MDB: RED; UPS A MDB: BLUE; UPS B MDB: BLUE, EPOXY POWDER COATED													
MOUNTING HEIGHT	FLOOR STANDING													

NOTES / LEGEND

1) ALL WORK TO BE CARRIED OUT STRICTLY IN ACCORDANCE WITH THE APPLICABLE SANS REGULATIONS & LOCAL AND MUNICIPAL REGULATIONS & BY-LAWS.

2) NO PART OF THIS DRAWING MAY BE SCALED.

3) ALL DIMENSIONS AND LEVELS GIVEN MUST BE CHECKED BEFORE COMMENCING ANY WORK. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER WITHOUT DELAY.

4) THIS DRAWING IS ONLY FOR THE ELECTRICAL INSTALLATION PURPOSES.

5) REFER TO THE LEGEND FOR DETAILS OF ELECTRICAL EQUIPMENT.

6) ALL ELECTRICAL INSTALLATIONS SHALL COMPLY WITH THE LATEST SANS SPECIFICATIONS.

7) THE SITE ENGINEER MUST ENSURE THAT WORK IS DONE FROM THE LATEST REVISION OF DRAWINGS.

8) ALL HEIGHTS ARE GIVEN ABOVE FINAL FLOOR LEVEL.

9) AC MECHANICAL POINTS TO BE CONFIRMED BY THE MECHANICAL CONTRACTOR ON SITE.

10) THERE MUST BE A PHYSICAL BARRIER BETWEEN ESSENTIAL & UPS SECTIONS.

11) ALL DISTRIBUTION BOARDS TO HAVE 30% SPARE CAPACITY FOR FUTURE ADDITIONS.

12) THE DESIGN ON THE DRAWING IS COPYRIGHT PROTECTED & REMAINS THE PROPERTY OF THE ENGINEER.

APPROVED BY COUNCIL / CLIENT

CITY ENGINEER / CLIENT | REG. NO. | DATE

AMENDMENTS CODE

A,B,C,../ : BEFORE TENDER
0 / : TENDER DRAWING
1,2,3.../ : AFTER TENDER
Z / : AS BUILT

IA : BY CLIENT
IB : BY ARCHITECT
IC : BY MECHANICAL OR ELECTRICAL
ID : BY SVI
IE : BY OTHER ( )

DATE	INITIAL	No./CODE	REVISION DESCRIPTION
22/06/2026	G.H	7/D	DB'S REVISED

OFFICES

PROVINCE	OFFICE		E-MAIL
Gauteng	Kempton Park	(012) 940-1111	pta@bvigp.co.za
	Pelindaba	(013) 291-5400	jnb@bvi.co.za
Free State	Bloemfontein	(051) 447-2137	bfn@bvi.co.za
	Welkom	(057) 353-2499	wel@bvi.co.za
Northern Cape	Upington	(054) 337-6800	upt@bvinc.co.za
	Springbok	(027) 712-3614	spk@bvinc.co.za
KwaZulu Natal	Durban	(031) 266-6382	dbn@bvikn.co.za
	Empangeni	(035) 772-6112	emp@bvikn.co.za
Eastern Cape	Port Elizabeth	(041) 373-4043	ble@bviec.co.za
	East London	(043) 735-3889	cdk@bvi.co.za
Western Cape	Cape Town	(021) 527-7000	cpt@bviwc.co.za

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Registration no. 1996/000157/07

CLIENT

CSIR Touching lives through innovation

PROJECT

CSIR, ROSEBANK:
UPS AND GENERATOR UPGRADE

DRAWING TITLE

UPGRADING OF EXISTING DISTRIBUTION BOARDS: BULK ELECTRICAL SUPPLY & DISTRIBUTION NETWORK

APPROVED BY BVi

G. HALBERSTADT	20080282	22/06/2026
ENGINEER/TECHNOLOGIST	REG. NO.	DATE

SCALE	NTS	DRAWN	WR
DESIGNED	GH	CHECKED	GH

PLAN NUMBER	REVISION NO.	DATE SAVED
32874.00C-312-03	7	22/06/2026

32874.00-312-03 REV8.DWG

0 10 50 100

O:\PROJECTS DRAWINGS\32000 - 32999\32874.00\ELECTRICAL\GROUND FLOOR DATA CENTRE AREA\32874.00-312-03 REV8.DWG