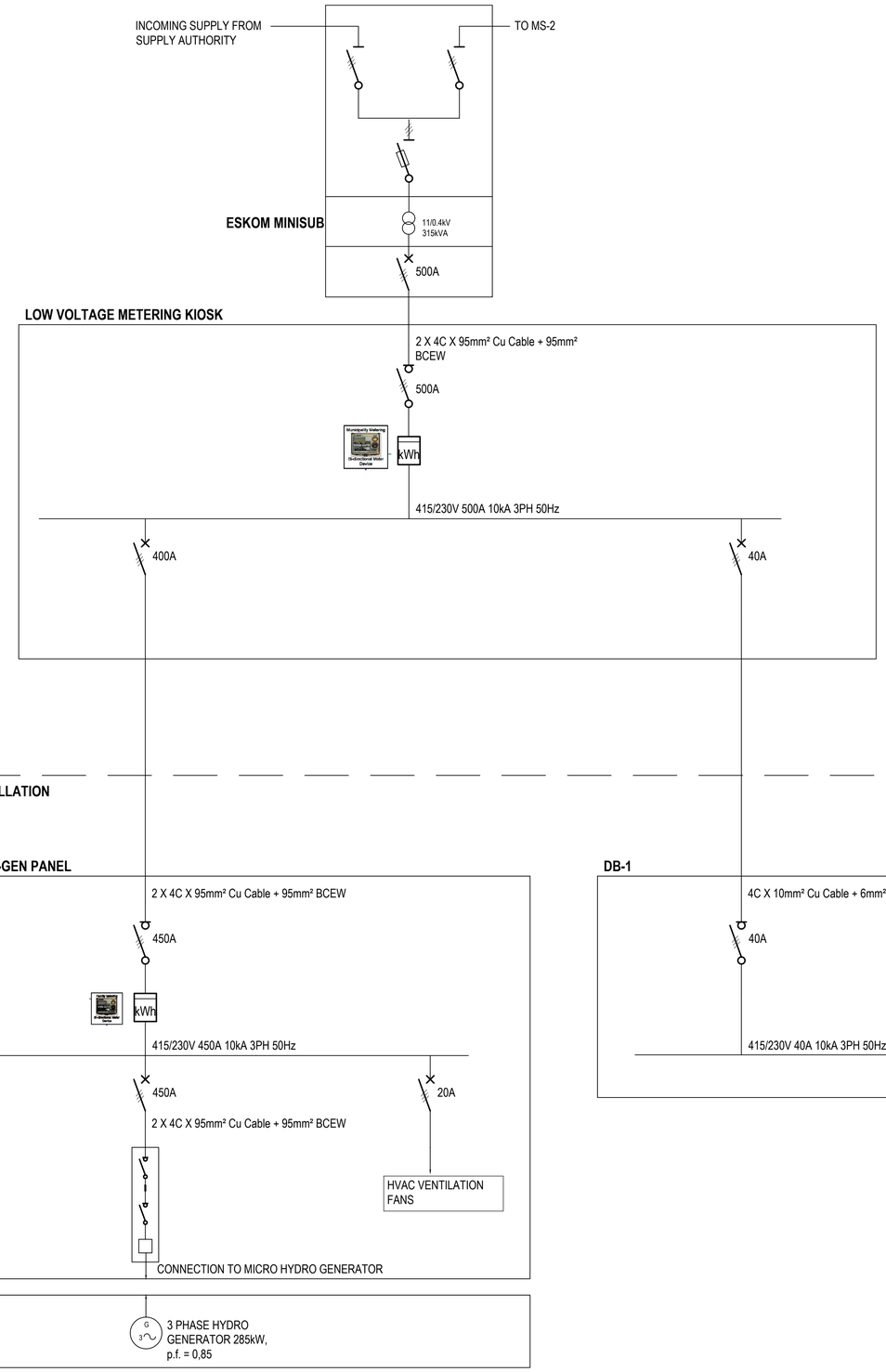

Electrical Legend

- TYPE L6 - 52W LINEAR LED FLOODLIGHT SURFACE MOUNTED MOUNTED AT 10m AFFL
- TYPE L5 - 49W LED VAPOUR PROOF FITTING SURFACE MOUNTED AT 2500mm AFFL
- TYPE L8 - 18W BULKHEAD LED WALL MOUNTED AT 5600mm AFFL
- E — DENOTES EMERGENCY LIGHT FITTING WITH BATTERY BACKUP
- PHOTOCELL MOUNTED AT 5600mm AFFL
- LIGHT SWITCH RECESSED MOUNTED AT 2660mm AFFL
- 32A THREE PHASE FIVE PIN SSO MOUNTED AT 1200mm AFFL
- 16A WEATHERPROOF SWITCHED SOCKET OUTLET MOUNTED AT 1200mm AFFL
- DOUBLE POLE WEATHERPROOF ISOLATOR MOUNTED AT 1200mm AFFL
- MCC / DISTRIBUTION BOARD MOUNTED AT 1200mm AFFL TO BOTTOM OF DB
- LOW VOLTAGE COUNCIL METERING DISTRIBUTION KIOSK
- MINISUBSTATION
- 300mm CABLE MESH TRAY
- POWER SKIRTING MOUNTED AT 1200MM AFFL

Common Abbreviations:

- AFFL - DENOTES ABOVE FINISHED FLOOR LEVEL
- WP - DENOTES WEATHER PROOF, MINIMUM RATING IP54

Notes

1. ALL MEASUREMENTS ARE IN MILLIMETERS UNLESS SPECIFIED OTHERWISE.
2. ELECTRICAL INSTALLATION TO COMPLY WITH SANS 10142-1 & SANS 10142-2.
3. ALL CONDUIT/CABLING WORK TO BE RECESSED MOUNTED.
4. PHOTOCELL TO SWITCH EXTERNAL LIGHTS BY MEANS OF 2 POLE CONTACTOR IN DB.
5. REFER TO LUMINAIRE SCHEDULE FOR LIGHT FITTING DETAILS.
6. ALL CIRCUITING TO BE WIRED AS FOLLOWS:
   - 25mmØ PVC RECESSED CONDUITS IN VERTICAL ELEMENTS.
   - 25mmØ GALVANIZED STEEL SURFACE MOUNTED CONDUITS BELOW SOFFITS (TYPICALLY LINKING ELEMENTS TO CLOSEST TRAYS/CONDUIT)
   - ALL EXPOSED CONDUITS TO FOLLOW A GRID FORMATION, RUNNING AT 90° ANGLES RELEVANT TO CONDUITS/WALLS.
   - ALL EXPOSED CONDUITS TO BE GALVANIZED STEEL.
7. RECESSED 50mm DIAMETER PVC SLEEVE INSTALLED IN BRICK WALL CAVITY FROM BOTTOM OF DB (TERMINATED CW GLANDING) TO CABLE TRENCH OR ELECTRICAL MANHOLE, CW SLOW BEND
8. ALL POWER POINTS TO BE RECESSED AT 500mm AFFL CENTER OF BOX, UNLESS SPECIFIED OTHERWISE.

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DESIGNED	J.MUTALE	29.09.21	
DRAWN	J.MUTALE	29.09.21	
CHECKED	L.ESTERHUIZEN	29.09.21	
APPROVED BY:	L.ESTERHUIZEN	28.05.21	
	SIGNATURE	DATE	
ECSA REG. No.			
CHECKED BY:			
	SIGNATURE	DATE	
ECSA REG. No.			

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Joburg

HALFWAY HOUSE SUPPLY BULK WATER PIPELINE

ELECTRICAL - HYDROPOWER INSTALLATION SCHEMATIC

APPROVAL BY JW DEPOT			SCALE
CHECKED	.	.	N.T.S
APPROVED BY:			
	SIGNATURE	DATE	
APPROVAL BY JW PLANNING			
CHECKED			
APPROVED BY:			
	SIGNATURE	DATE	

REV:	DESCRIPTION	DATE:
T0	FOR TENDER	28.09.2021

DRAWING No. ·

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PROJECT No. | DRAWING No. | REV.

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FILE No. EI 1307B