

FIELD CIRCUIT No. PHASE	DESIGNATION	WIRING	LOAD (AMPS) No. OF POINTS CABLE No.
	INCOMER FROM No. 4 Mini-sub	2x95mm. 4CORE PVC SWA ECC PVC CABLE	
	DB-A	70mm. 4CORE PVC SWA ECC PVC CABLE	
	DB-B	70mm. 4CORE PVC SWA ECC PVC CABLE	
	GENERATOR	25mm. 4CORE PVC SWA ECC PVC CABLE	
	DB-UPS	4mm. 4CORE PVC SWA ECC PVC CABLE	
	DB-AE	10mm. 4CORE PVC SWA ECC PVC CABLE	
	DB-BE	10mm. 4CORE PVC SWA ECC PVC CABLE	
	DB-DE	10mm. 2CORE PVC SWA ECC PVC CABLE	

REV	DESCRIPTION	BY	DATE	CHKD.	FILE Name :
0	Original Issue	RM	25/03/22	RSN	20013

ENGINEER	DRAWN	DATE:	SCALE:	CHKD.
RSN	RM	Mar'22	NTS	RSN

PROJECT No.	DRAWING No.	SHEET:	REV.
20013	403		0

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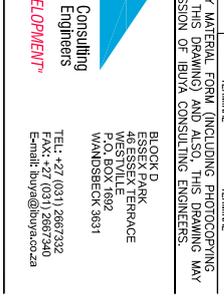
Ngwelezane Hospital
Proposed New Orthotic & Prosthetics Centre

DB-M/M-E
 Non-Essential & Essential
 Single Line Diagram

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- NOTES**
- 1) DROPERS/TAILS TO BE RATED FOR FULL R LET THROUGH.
 - 2) HARNESSED WIRING TO BE DERATED.
 - 3) TUFFNOL BRACES ARE NOT TO BE USED ABOVE 10kV.
 - 4) COPPER BUSBARS TO BE CONTINUOUS RATED.
 - 5) SUFFICIENT SPACE REQUIRED FOR SAFE EARTH AND NEUTRAL BARS TO BE EASILY ACCESSIBLE.
 - 7) ALL CIRCUIT BREAKERS TO BE FITTED WITH TERMINAL SHIELD ON LIVE AND LOAD SIDES.
 - 8) ENCLOSURE TO BE IP54.
 - 9) RASING RAYS TO BE ON BOTTOM, LEFT TO RIGHT.
 - 10) INTERNAL TEMP TO BE LIMITED TO 5° ABOVE AMBIANT. MAX 40°C.
 - 11) ALL CIRCUITS TO BE LABELED.
 - 12) 25% SPARE SPACE. SPARE SPACES ARE TO BE FITTED WITH COPPER BUSBAR TAILS CONNECTED TO DROPER BUSBARS TO BE FITTED WITH A MINIMUM SHUTDOWN PERIOD.
 - 13) DB TO BE FITTED WITH A4 LEGEND CARD HOLDER WITH STANDARD IBUYA A4 LEGEND CARD.
 - 14) EACH CIRCUIT TO BE LABELED WITH DETAILED DESCRIPTION OF CONNECTED EQUIPMENT.
 - 15) EXTERNAL EARTH STUD MOUNTED ADVACENT CABLE ENTRY.
- INCOMING CABLE**
 OUTGOING CIRCUITS
 COLOUR
 MOUNTING
 FLOOR STANDING
 PROTECTIVE DEVICES
 MCCBS (standard loads) -TYPE C
 MCCBs (HVAC loads) -TYPE D
 CONTRACTOR -AC3