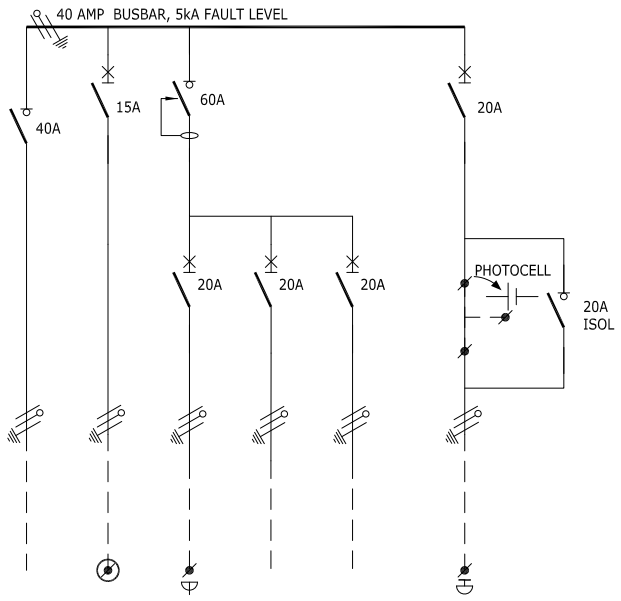


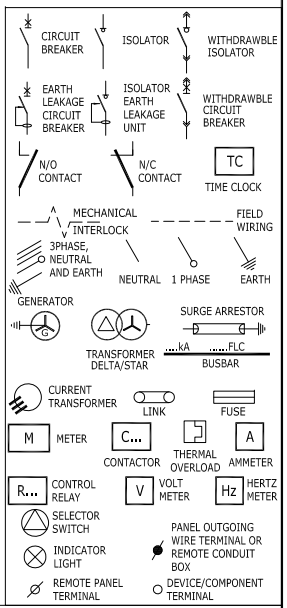
FIELD						
CIRCUIT No./PHASE		1	2			3
DESIGNATION	INCOMER	GUARD HOUSE LIGHTS	GUARD HOUSE SSOs	SPARE	SPARE	EXTERNAL LIGHTS
WIRING	16mm.²2 CORE Cu PVC SWA PVC ECC CABLE	3x2,5mm² PVC INSULATED WIRE	3x2,5mm² PVC INSULATED WIRE			3x2,5mm² PVC INSULATED WIRE
LOAD (AMPS)		1	9	-	-	2
No. OF POINTS		1	4	-	-	4

GENERAL NOTES:

A) DROPPERS/TAILS TO BE RATED FOR t LET²THROUGH
B) HARNESSED WIRING TO BE DERATED.
C) TUFFNOL BRACES NOT TO BE USED ABOVE 10kA.
D) COPPER BUSBARS TO BE CONTINUOUS RATED.
E) ENCLOSURE TO BE IP54.
F) PHASING R.W.B. TOP TO BOTTOM, LEFT TO RIGHT, BACK TO FRONT.
G) INTERNAL TEMPERATURE TO BE LIMITED TO 5° ABOVE ABOVE AMBIENT - MAX. 40°C.
H) CABLE ENTRIES AND GENERAL ARRANGEMENT TO SUIT INSTALLATION CONSTRAINTS.

ADDITIONAL NOTES:

1. ALL CIRCUIT BREAKERS, ISOLATORS AND EARTH LEAKAGE TO BE TYPE 2 CURVE AND EQUIPMENT TO BE CBI.
2. EARTH LEAKAGE TO BE 60A ISOLATOR WITH INTEGRAL 30mA.
3. RECESSED MOUNTED DB WITH ARCHITRAVE.
4. DB COLOUR TO BE WHITE.
5. DB TO BE TOP AND BOTTOM ENTRY
6. BUSBAR TO BE SHROUDED
7. EARTH & NEUTRAL BAR TO BE EASY ACCESSIBLE.
8. SUFFICIENT SPACE REQUIRED FOR SAFE ACCESS FOR REWIRNG.
9. ACCESS ZONE REQUIRED THROUGH SHROUD
10. ALL 3 PHASES AND SINGLE PHASE OUTGOING CIRCUIT BREAKERS TO BE LABELLED WITH DESCRIPTION OF SERVICES AND CIRCUIT Nos. AS PER DRAWING.



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PROJECT No.	DRAWING No.	SHEET:	REV.
20013	406	1 of 1	0

File Name : Lyr: A3

TITLE
Ngwelezane Hospital
Proposed New Orthotic & Prosthetics Centre

DRAWING TITLE:
DB-G-E
(Guard House)
Single Line Diagram

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