



FIELD	CIRCUIT No./PHASE	DESIGNATION	WIRING	LOAD (AMPS)	No. OF POINTS
		INCOMER	6mm <sup>2</sup> 2 CORE Cu PVC SWA PVC ECC CABLE		
	1	DOMESTIC WASTE & SERVICES AREA LIGHTS	3x2,5mm <sup>2</sup> PVC INSULATED WIRE	1	1
	2	DOMESTIC WASTE & SERVICES AREA SSOs	3x2,5mm <sup>2</sup> PVC INSULATED WIRE	9	4
		SPARE			
		SPARE			
	3	EXTERNAL LIGHTS	3x2,5mm <sup>2</sup> PVC INSULATED WIRE	2	4

REV	DESCRIPTION	BY	DATE	CHKD.	FILE NAME	PROJECT NO.	DRAWING NO.	SHEET	REV.
0	Original Issue	RM	29/03/22	RSN	20013	407	1 of 1	0	

ENGINEER	DRAWN	DATE:	SCALE:	CHKD.
RSN	RM	Mar '22	n.t.s A3	RSN

PROJECT No. 20013  
DRAWING No. 407  
SHEET: 1 of 1  
REV. 0

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TITLE: Proposed New Orthotic & Prosthetics Centre  
DB-D-E  
(Domestic Waste Area)  
Single Line Diagram

IBUA Consulting Engineers  
"POWERING DEVELOPMENT"

BLICK D  
ESSEX PARK  
WESSING LANE  
P.O. BOX 1692  
WANDSBECK 3831  
TEL: +27 (031) 2867392  
FAX: +27 (031) 2867340  
Email: ibuya@ibuya.co.za

- GENERAL NOTES:**
- PROPESS/FALS TO BE RATED FOR 1/ETHROUGH
  - HARNESSED WIRING TO BE DERATED.
  - TUFNOL BRACES NOT TO BE USED ABOVE 10kA.
  - COPPER BUSBARS TO BE CONTINUOUS RATED.
  - ENCLOSURE TO BE IP54.
  - PHASING R.M.B. TOP TO BOTTOM, LEFT TO RIGHT, BACK TO FRONT.
  - INTERNAL TEMPERATURE TO BE LIMITED TO 5° ABOVE ABOVE AMBIENT - MAX. 40°C.
  - CABLE ENTRIES AND GENERAL ARRANGEMENT TO SUIT INSTALLATION CONSTRAINTS.
- ADDITIONAL NOTES:**
- ALL CIRCUIT BREAKERS, ISOLATORS AND EARTH LEAKAGE TO BE TYPE 2 CURVE AND EQUIPMENT TO BE CBI.
  - EARTH LEAKAGE TO BE 60A ISOLATOR WITH INTEGRAL 30mA.
  - RECESSED MOUNTED DB WITH ARCHITRAVE.
  - DB COLOUR TO BE WHITE.
  - DB TO BE TOP AND BOTTOM ENTRY
  - BUSBAR TO BE SHROUDED
  - EARTH & NEUTRAL BAR TO BE EASY ACCESSIBLE.
  - SUFFICIENT SPACE REQUIRED FOR SAFE ACCESS FOR REWIRING.
  - ACCESS ZONE REQUIRED THROUGH SHROUD
  - ALL 3 PHASES AND SINGLE PHASE OUTGOING CIRCUIT BREAKERS TO BE LABELLED WITH DESCRIPTION OF SERVICES AND CIRCUIT NOS. AS PER DRAWING.

