



FIELD CIRCUIT No./ PHASE	DESIGNATION	WIRING	LOAD (AMPS)	No. OF POINTS	CABLE No.
L1	INCOMER		16mm ² alrdac with 2 pilot cable	39	
L2	LIGHTS		3x1,5mm ² Cu PVC INSULATED WIRE	5	7
L2	LIGHTS		3x1,5mm ² Cu PVC INSULATED WIRE	5	7
P1	KITCHEN & LOUNGE SSO's		3x2,5mm ² Cu PVC INSULATED WIRE	5	2
P2	BEDROOM 2 & 3 SSO's		3x2,5mm ² Cu PVC INSULATED WIRE	5	2
P3	BEDROOM 1 SSO's		3x2,5mm ² Cu PVC INSULATED WIRE	5	2
S1	STOVE CONTROLLING CCT.		2x4mm ² + 2.5mm ² E/W Cu PVC INSULATED WIRE	11	1
G1	HWC CONTROLLED CCT.		2x4mm ² + 2.5mm ² E/W Cu PVC INSULATED WIRE	9	1

REV	DESCRIPTION	BY	DATE	CHKD.	FILE NAME
0	Preliminary	CH	-/06/14		11040_402_0

ENGINEER	DRAWN	DATE	SCALE	CHKD.
S.Nzama	CH	June 2014	n.t.s	

PROJECT No.	DRAWING No.	SHEET	REV
11040	402	1 of 1	0

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Community Residential Units
KZN

Typical Units DB
SINGLE LINE DIAGRAM

GENERAL NOTES:

- A) DROPS/FATS TO BE RATED FOR 1 LEFT THROUGH
- B) HARNESSED WIRING TO BE DERATED.
- C) TYPICAL BRACKES NOT TO BE USED ABOVE 10mA.
- D) COPPER BUSBARS TO BE CONTINUOUS RATED.
- E) ENCLISURE 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 TYPE
- ② FLUSH MOUNTED CBI DB WITH ARCHITRAVE.
- ③ DB COLOUR TO BE WHITE
- ④ DB TO BE BOTTOM ENTRY FOR CABLE AND TOP AND BOTTOM FOR CONDUIT.
- ⑤ BUSBAR TO BE SHROUDED
- ⑥ EARTH & NEUTRAL BAR TO BE EASY ACCESSIBLE.
- ⑦ SUFFICIENT SPACE REQUIRED FOR SAFE ACCESS FOR REWIRING.
- ⑧ DB TO BE 18 WAY WITH FRONT COVER AND NON TRANSLUCENT CBI TYPE OR SIMILAR

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