

SCHEDULE OF LUMINAIRES WITH LAMPS

PLAN REF	DESCRIPTION	SUPPLIERS	CAT No
A	SURFACE MOUNTED FLUORESCENT LUMINAIRE WITH DOUBLE PARABOLIC LOUVRES, ELECTRONIC CONTROL GEAR AND 2 x 36W LAMPS	VOLTEX LIGHTING	SL95-34W-LED
B	AS 'A' BUT CONVERTED TO EMERGENCY MODE FROM ECLAT LIGHTING (011 868-2578), INCLUDED A BATTERY PACK MAINTAINED MODE, DURATION 3 HOURS	VOLTEX LIGHTING	SL95-34W-LED/EMG
C	RECESSED DOWNLIGHT WITH A 8W GU10 LED LAMP. BODY COLOUR: WHITE. COLOUR TEMP. 4000K. LENS: FROSTED ACRYLIC.	VOLTEX LIGHTING	FUTURA LED FUT-GU10-8W
D	LED BULKHEAD LUMINAIRE, ALUMINIUM LMG BLACK HOUSING, WITH 23.4W LED COLOUR TEMP. 4000K.	VOLTEX LIGHTING	RIMINI LED RIMINI-21W/LED/EYELID

AIRCONDITIONING UNITS SCHEDULE:

PLAN REF	DESCRIPTION	COOLING CAPACITY	SUPPLIER	No A/C UNIT
ACU/AHU1 & 2	WALL MOUNTED UNIT WITH HEATPUMP	3.6KW	CARRIER	420HC012DS 380HC012DS

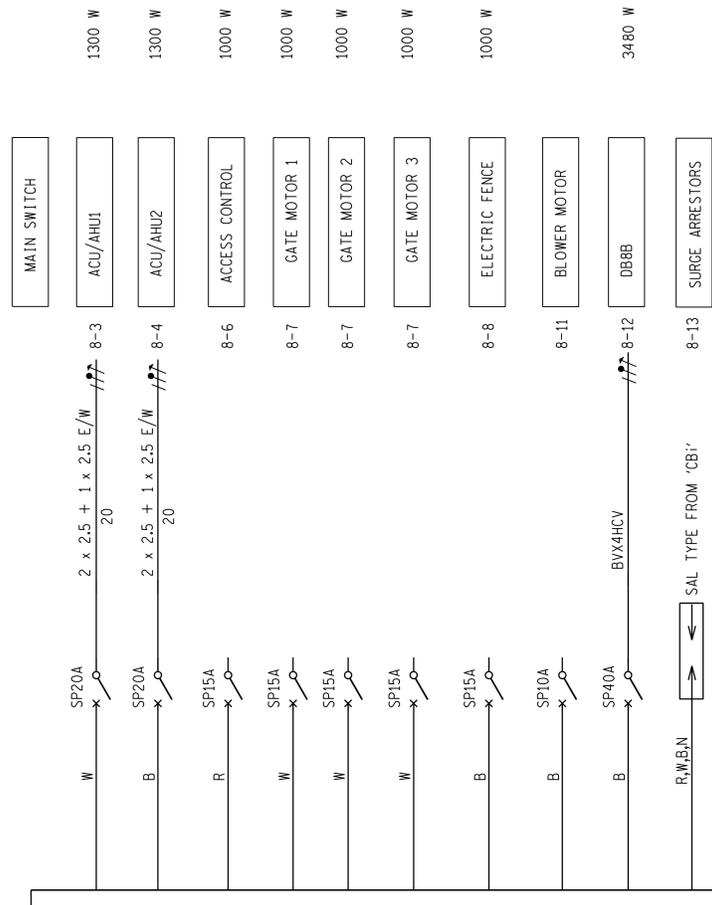
CABLE No	CABLE TYPE	FROM	TO	ESTIMATED LENGTH (m)	ACTUAL LENGTH (m)
DBL1, DBB	BVX4KCV	DB1	DBB	160	

NOTES

- ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH:
 - SANS 10142
 - MODEL PREAMBLES FOR TRADES, SECTION 'S' ELECTRICAL WORK
 - TECHNICAL SPECIFICATION
- ALL WIRING SHALL BE CARRIED OUT USING PVC CABLES IN PVC CONDUITS TYPE OF INSTALLATION-FLUSH
- COLOUR OF LIGHT SWITCHES & SOCKET-OUTLET COVERS-WHITE
- MOUNTING HEIGHTS ABOVE FFL
 - LIGHT SWITCHES-1350
 - SOCKET-OUTLETS-350
 - DB -2000 TO TOP OF BOARD
 - LUMINAIRES SHALL BE INSTALLED AS SHOWN ON PLAN
- EARTH & NEUTRAL TERMINALS SHALL BE OF THE PRESSURE PLATE TYPE WITH CAPTIVE SCREWS
- POWER/CONTROL CABLES IN ROOF SPACE SHALL BE INSTALLED ON CABLE RACKING
- POWER/CONTROL CABLES AND REFRIGERANT PIPES IN ROOF SPACE IN CONTROL ROOM SHALL BE INSTALLED IN TRUNKING WITH COVERS
- POWER/CONTROL CABLES AND REFRIGERANT PIPES ON OUTSIDE WALLS SHALL BE INSTALLED IN TRUNKING WITH COVERS
- TRUNKING SHALL BE FABRICATED FROM 1mm SHEET STEEL MEASURING 127x76.2 WITH CLIP-ON COVER. CORROSION PROTECTION: HOT-DIPPED GALVANISED TO SANS 1763. EXPOSED SURFACES ON OUTSIDE WALL SHALL BE BEIGE EPOXY-POWDER COATING
- CONTROL CABLES FROM REMOTE CONTROL UNITS TO HANDLING UNIT SHALL BE SURFACE MOUNTED WITHIN WHITE MINI TRUNKING ON WALL
- LIGHT DUTY CABLE TRAYS SHALL BE INSTALLED IN ROOF VOID WITH OVERALL WIDTH 50mm FOR CABLES & EARTH WIRE RUNNING FROM TRUNKING TO THE UNITS
- DRAIN PIPE FROM HANDLING UNITS SHALL BE POLYCOPI PIPE WITH SUITABLE CONNECTOR, TYPE JG SPEEDFIT OR CONNEX, BETWEEN POLYCOPI IN TRUNKING, & ON OUTSIDE WALL FIXED ON MASTER BATS SADDLES & DISCHARGED 2 COURSE OF BRICKS ABOVE APRON SLAB & 200mm FROM WALL
- MOUNTING BRACKETS FOR OUTDOOR UNITS SHALL BE CANTILEVER SUPPORT ARMS TYPE OL-CAO FROM 0-LINE OR EQUAL WITH STAINLESS STEEL BOLTS/WASHERS/NUTS
- ALL AIRCONDITIONING UNITS SHALL BE INSTALLED AS PER MANUFACTURERS INSTALLATION INSTRUCTIONS
- FLUSH MOUNTED 4X4 COVERED BOX ON PORCH AND IN CONTROL ROOM, CONNECTED VIA 20 DIA PVC CONDUIT. H= 1350
- UPS DB SHALL HAVE 5 OF BOTTOM ENTRY 25mm DIA CONDUITS FROM ACCESS FLOOR.

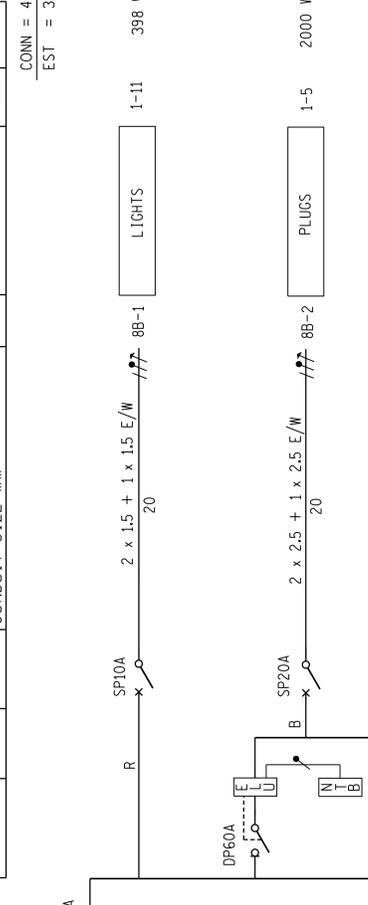
LABEL : DB 8 400/230V AC
FLUSH MOUNTED DB, COLOUR-GREY G29 TO SANS11091 WITH DOOR

CONN = 9080W
EST = 8030W



LABEL : DBBB 400/230V AC
FLUSH MOUNTED DB, COLOUR-GREY G29 TO SANS11091 WITH DOOR

CONN = 4638W
EST = 3480W



ELECTRICAL LEGEND:

(IN ACCORDANCE WITH NRS002)

- 16A DOUBLE SWITCH SOCKET OUTLET
- CIRCUIT BREAKER
- SWITCH-DISCONNECTOR
- CABLE GLAND WITH EARTH TAG
- EARTHSTUD
- TERMINALS



Eskom Holdings SOC Ltd
Reg No 2002/015527/30

ACCESS CONTROL BUILDING
ELECTRICAL INSTALLATION
AND SCHEMATIC DIAGRAM

REV	REVISION DESCRIPTION	DATE	SCALE
			3/0