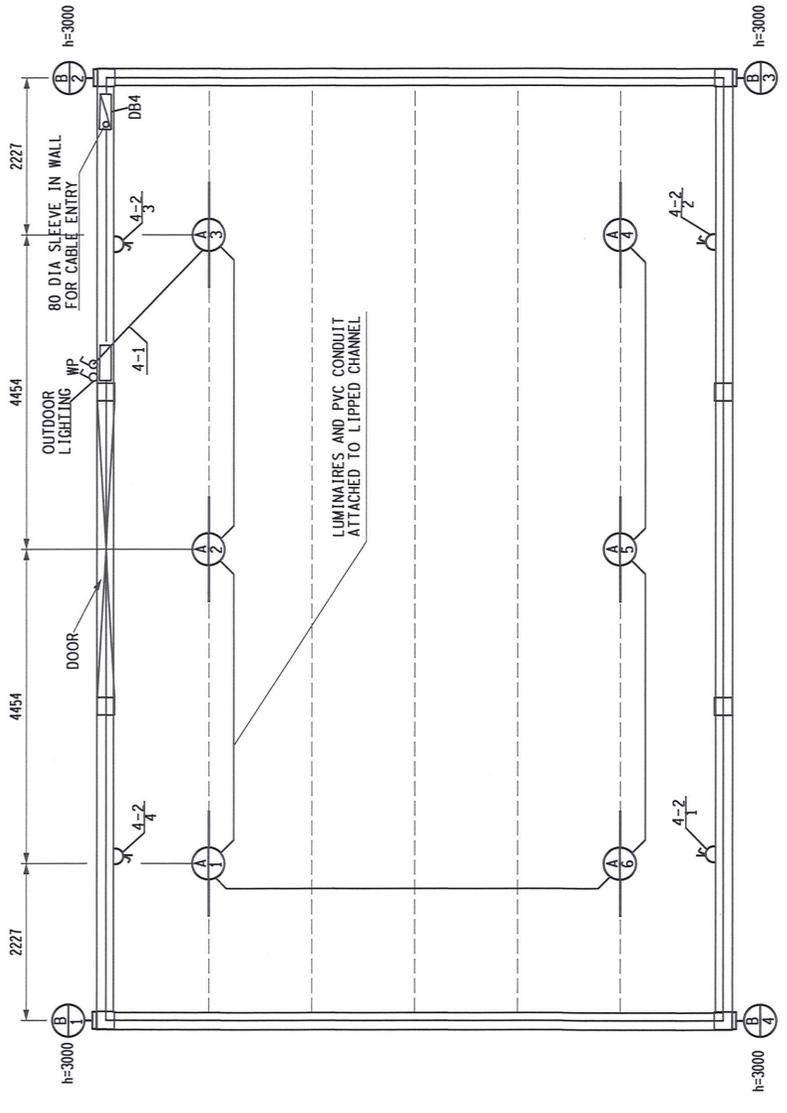


**NOTES:**

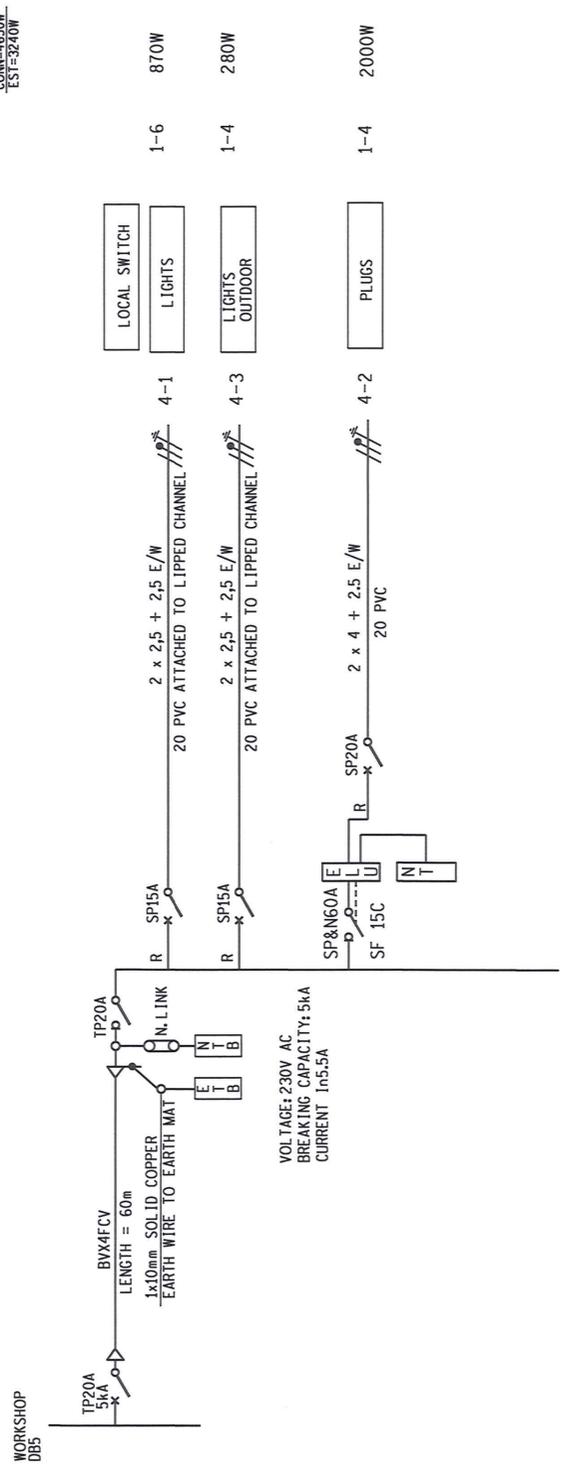
1. ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH:
  - 1.1. SANS 10142
  - 1.2. MODEL PRELIMBLES FOR TRADES SECTION 'S' ELECTRICAL WORK.
2. ALL WIRING SHALL BE INSTALLED WITHIN 20 DIAMETER PVC CONDUIT AND ATTACHED TO LIPPED CHANNELS AND FRAME WORK.
3. MOUNTING HEIGHTS A.F.F.L:
  - 3.1. SOCKET OUTLETS - 1350 A.F.F.L
  - 3.2. LIGHTING - 2100 A.F.F.L
  - 3.3. SWITCHES - 1350 A.F.F.L
4. LUMINAIRES PLAN REF. 'A' SHALL BE ATTACHED TO LIPPED CHANNEL.
5. SOCKET OUTLETS SHALL BE MOUNTED ON WALL AS SHOWN ON PLAN WITH PVC CONDUIT FIXED ON WALL.
6. MANUFACTURER'S DRAWINGS & FACTORY INSPECTIONS:
  - 6.1. DRAWINGS OF BOARDS SHOWING THE VIEW WITH SECTION & EQUIPMENT ARRANGEMENT WITH TYPE, RATING, LABELS & GLAND PLATES SHALL BE SENT FOR APPROVAL BEFORE COMMENCEMENT OF MANUFACTURE ON THREE PHASE BOARDS.
  - 6.2. THE CIRCUIT BREAKERS SHALL BE ARRANGED IN 3 ROWS (ONE ROW PER PHASE) WITH A SEGREGATION OF CIRCUITS SUPPLIED FROM SECTION CB'S/ELU.
  - 6.3. LABELLING:
    - a. THE CONSECUTIVE NUMBERING FOR THE LABELLING UNDER THE DEVICES SHALL BE PROVIDED, THE LEGEND CARD SHALL BE SUPPLIED WITH THE BOARD WITH SUITABLE POCKETS ON THE INSIDE OF THE DOOR
    - b. FOR INFORMATION ON THE LEGEND CARD SEE DETAIL 'A'
    - c. THE LEGEND CARD SHALL ALSO BE SHOWN ON THE MAKER'S DRAWING
  - 6.4. THE TITLE BLOCK ON THE MAKER'S DRAWING SHALL BE AS PER DETAIL 'B'
  - 6.5. THE DISTRIBUTION BOARDS SHALL BE INSPECTED BEFORE SHIPMENT
  - 6.6. AN APPLICATION FOR THE INSPECTION SHALL BE SENT TO THE PROJECT MANAGER
7. ALL ELECTRICAL EQUIPMENT TO BE SURFACE MOUNTED.
  - DB TO BE MOUNTED AT POSITION SHOWN 2000 TO TOP OF DB
  - SUPPLY CABLE TO BOTTOM ENTRY OF DB FIXED TO CABLE TRAY.
  - CABLES AND CONDUIT EXITING TOP OF DB TO BE INSTALLED WITHIN TRUNKING



**LIGHTING & POWER POINT LAYOUT**  
N.T.S.

LABEL: DB4 230V AC  
SCHEMATIC DIAGRAM FOR DB STORE TO SANS SPECIFICATION 11180. FREESTANDING TYPE BOARD MOUNTED ON BRICKWORK COLOUR-GREY G29 TO SANS 11091 WITH DOOR.

ELU & MCB'S	CONDUCTOR SIZE mm <sup>2</sup>	CONDUIT SIZE mm	CIRC No	LABEL	POINT No	LOAD
						COINS=4650W TEST=3240W



- ELECTRICAL LEGEND:**  
(IN ACCORDANCE WITH NRS002)
- SOCKET OUTLET WITH SINGLE POLE SWITCH
  - 3 PIN 16A 230V (WP FOR WEATHERPROOF)
  - LIGHT SWITCH SINGLE POLE 16A 230V (WP FOR WEATHERPROOF)
  - \* - CIRCUIT BREAKER
  - - SWITCH-DISCONNECTOR

**SCHEDULE OF LUMINAIRES WITH LAMPS, & OTHER ELECTRICAL EQUIPMENT**

PLAN REF	DESCRIPTION	SUPPLIERS	CAT No
A	FLUORESCENT LUMINAIRES WITH 2x58W LAMPS 230V 50Hz WITH WINGS	VOLTEX LIGHTING	R4258SS
B	BULKHEAD LED LUMINAIRE-COLOUR INDEX 4000K-BODY-HIGH PRESSURE DIE CAST ALUMINIUM-CONTROL GEAR CONSTANT CURRENT LED DRIVER	NORDLAND LIGHTING	NML 16LED-AREA
Δ	16A 3 PIN 250V INDUSTRIAL SURFACE TYPE SOCKET OUTLET IN BOX 83x119x50	CRABTREE	
δ	16A 250V ONE LEVER ONE WAY SURFACE LIGHT SWITCH IN BOX 75x75x48	CRABTREE	

REV	REVISION DESCRIPTION	BY	CHKD	DATE	REFERENCE DRAWINGS

APPROVED BY: *[Signature]*  
DATE: 18/7/2017

CHECKED BY: *[Signature]*  
DATE: 18/7/2017

DRAWN BY: *[Signature]*  
DATE: 18/7/2017

SCALE: -----

SHEET NUMBER: 0  
REVISION: 0

WESKUSFLEUR  
IBR GLASSD STORE  
ELECTRICAL INSTALLATION  
LAYOUT

WKoe11P01-SE-D62

Eskom Holdings SOC Ltd  
Reg No 2002/015527/30