

1 SMALL POWER LAYOUT
1 : 100



GENERAL NOTES

- ALL WIRING SHALL BE ACCORDING TO SANS 10142-1.
- NOTE 1: INSTALLATION
ALL WALL RECESSED OUTLETS SHALL BE FITTED 300mm ABOVE FLOOR LEVEL.
ALL HORIZONTAL POWER SKIRTING SHALL BE SURFACE MOUNTED AND FITTED TO FLOOR LEVEL.
VERTICAL POWER SKIRTING SHALL BE FITTED TO THE WALL CORNERS WHERE POSSIBLE.
ALL OUTLETS SHALL BE GROUPED AND INSTALLED IN THE CENTER OF WALL OR POWER SKIRTING LENGTHS.
- NOTE 2: WIRING
ALL WIRING FROM THE DB TO THE ROOMS SHALL BE DONE IN THE CEILING SPACE.
ALL WIRING FROM THE CEILING TO THE OUTLETS SHALL BE DONE IN THE POWER SKIRTING OR WALL RECESSED CONDUITS.
OPTIC FIBRE CABLES SHALL BE INSTALLED INSIDE 25mm PVC CONDUIT. POWER CABLES SHALL BE INSTALLED IN 25mm PVC CONDUIT. POE CABLES SHALL BE INSTALLED IN 25mm PVC CONDUIT.
- NOTE 3: POWER SKIRTING
WHERE A SECTION OF POWER SKIRTING IS INTERRUPTED BY A DOORWAY OR PARTITION WALL, UNDER FLOOR BRIDGING PVC CONDUITS SHALL BE INSTALLED TO INTERCONNECT THE POWER SKIRTING SECTIONS.

ELECTRICAL KEY

- NOTE: FLOOR LEVEL (F.L.) = FINISHED FLOOR LEVEL
- INWALL SINGLE SWITCHED ELECTRICAL SOCKET OUTLET IN POWER SKIRTING OR RECESSED IN THE WALL WITH DIMENSIONS OF 1X SANS164-1 AND 1X 164-2
 - NOMINAL 16A FLOOR MOUNTED WITH DIMENSIONS OF 1X SANS164-1 AND 1X 164-2
 - EMERGENCY SINGLE SWITCHED ELECTRICAL SOCKET OUTLET IN POWER SKIRTING 1X SANS164-4
 - 1 X USWITCHED SOCKET (SANS 164-1) 1 X EURO SOCKET (SANS 164-2) 1 X TYPE A USB 1.1 TYPE C USB FLUSH MOUNTED IN FURNITURE
 - 16A 3-PR INDUSTRIAL SOCKET CONFORMING TO THE REQUIREMENTS OF SANS 3000-1 AND SANS 3000-2
 - EMERGENCY SINGLE SWITCHED ELECTRICAL SOCKET OUTLET IN POWER SKIRTING 1X SANS164-4
 - 2 X USWITCHED SOCKET (SANS 164-1) 1 X EURO SOCKET (SANS 164-2) 1 X TYPE A USB 1.1 TYPE C USB FLUSH MOUNTED IN FURNITURE
 - DATA POINT BY OTHERS, FIRST FIX ONLY
 - 2 TIER MILD STEEL POWDER COATED AT 15mm ABOVE F.L.
 - 300mm WIRE MESH BASKET (BY OTHERS)
 - SINGLE PHASE ISOLATOR

C 23/05/25 UPDATED FOR NEW FLOOR LAYOUT
B 07/05/25 UPDATED FOR NEW FLOOR LAYOUT
A 10/04/25 ISSUED FOR INFORMATION

NO. DATE AMENDMENT

Client



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ELECTRICAL

Project: UNIVERSITY OF
WITWATERSRAND FACULTY OF
HEALTH SCIENCES

Drawing Title:

SMALL POWER LAYOUT

Prof. Registered Signature	Client Signature
Pr.Eng.20190752	Client Name
Akani Lowan	
Date: 2025/05/23	Designed: AKANI LOWAN
Size: A1	Drawn: REMEMBER BALOYI
Scale: 1:100	Checked: AKANI LOWAN
Building Occupancy: n/a	Climate Zone: n/a
Stage: 01	
Project # 8640206C	Discipline EE
Drawing # 002	Rev. C
INFORMATION	