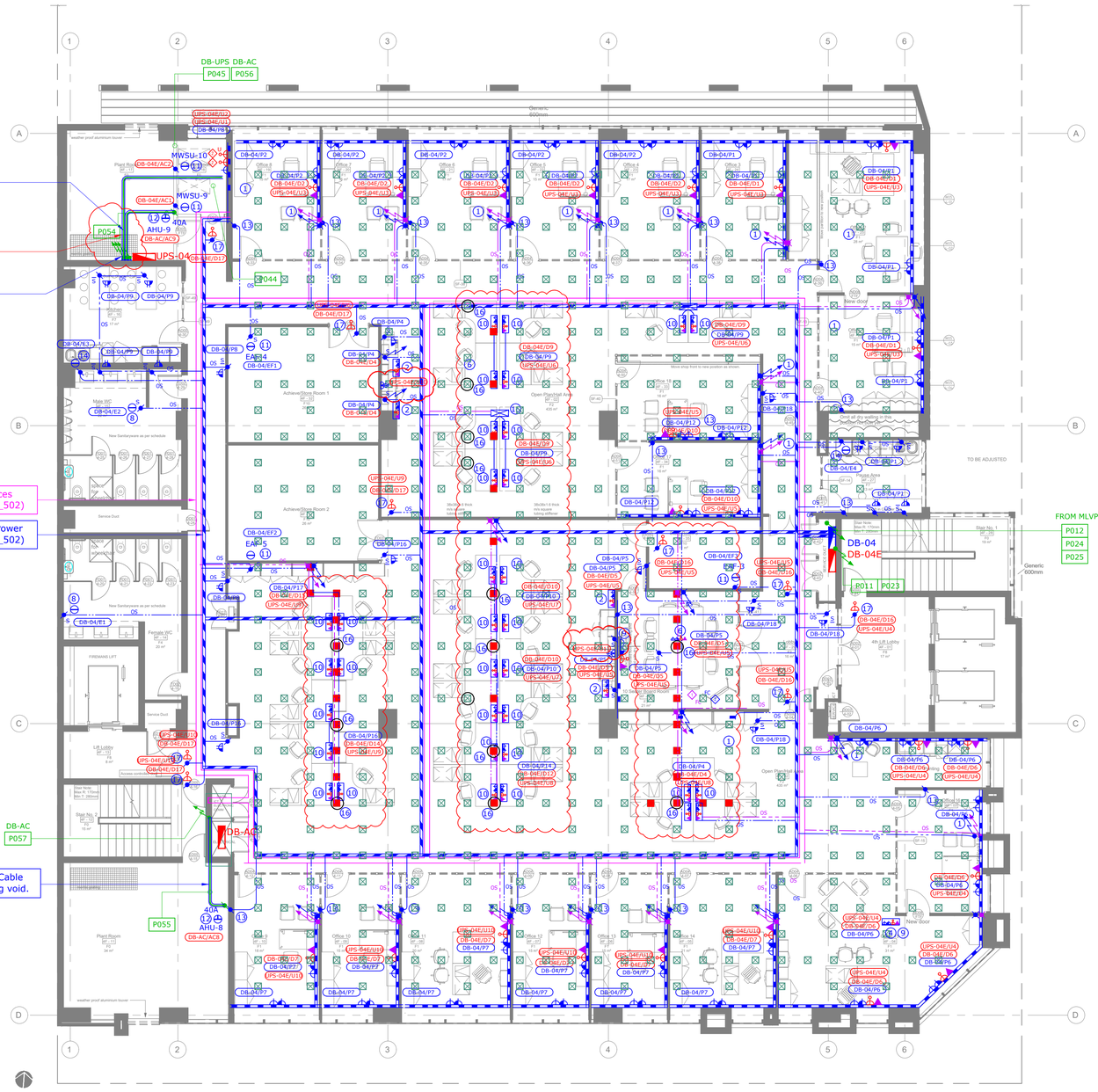
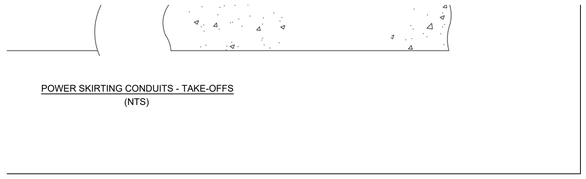
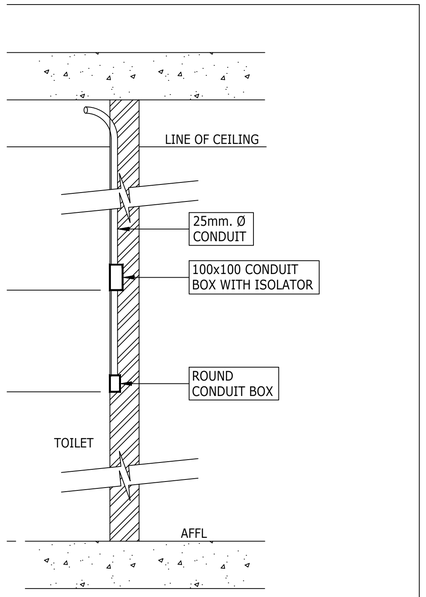




POWER SKIRTING CONDUITS - TAKE-OFFS
(NTS)



'PICAL DETAIL OF HAND DRIER OUTLET POINT
(NTS)

Electrical Notes:

1. Power skirting feed cast-in conduits from ceiling void. 2 x 25mm Ø (power) and 3 x 32mm Ø (voice/data) conduits.
2. Cluster box @ 1400 AFFL c/w:
   - 1No.Data Point
   - 1No. Switch Socket Outlet
   - 1No. Euro Socket Outlet
   - 2No. Dedicated Switch Socket Outlets
3. SSO in ceiling void for TV's.
4. Cluster box in ceiling void c/w:
   - 1No.Data Point
   - 1 No HDMI
   - 2No. Switch Socket Outlets
   - 1No. Euro Socket Outlet
5. Cluster box @ 500 AFFL c/w:
   - 1No.Data Point
   - 1No. Switch Socket Outlet
   - 1No. Euro Socket Outlet
   - 2No. Dedicated Switch Socket Outlets
6. Cast-in Floor box. Conduit links cast-in floor. 2x25mmØ for power, and 1x25mmØ for voice/data.
7. Conduit links from above/below to below/above.
8. Hand drier power supply. Isolator at 1700mm AFFL, outlet box at 1400mm AFFL.
9. TV outlet & power supply @ high level.
10. Interconnecting Corporate Connection per desk, fed from power points on powerskirting.
11. Isolator power supply, for Extraction.
12. Isolator power supply, for Airconditioning.
13. Conduit box for Airconditioning controller. (Height to be confirmed by Architect)
14. Isolator power supply, for Hydroboil.
15. Where containment crossovers occur, data generally rises over power.
16. Power Floor box connecting to desk.
17. Isolator power supply, for automatic door.
18. Isolator power supply, for roller shutter door.
19. Dedicated SSO for Access Control doors, in ceiling void or on soffit.

Colour Coding of Socket Outlets:

Normal Switched Socket Outlet	Cover Plate Cover: White Switch Colour: White
Essential Switched Socket Outlet	Cover Plate Cover: White Switch Colour: Red
UPS Switched Socket Outlet	Cover Plate Cover: White Switch Colour: Blue
Dedicated Switched Socket Outlet	Cover Plate Cover: Red Switch Colour: Red

Colour Coding of Isolators

Normal Isolator	Cover Plate Cover: White Switch Colour: White
Essential Isolator	Cover Plate Cover: White Switch Colour: Red
UPS Isolator Switch Outlet	Cover Plate Cover: White Switch Colour: Blue

NOTES: (1) - Contractor to ensure max distance between draw boxes 20 metres notwithstanding anything to contrary. (2) - Draw boxes required after every second 90 deg. bend or 180 deg. total of slow bends. (3) - All unwired conduits to be provided with draw wires. These will be withdrawn and checked at random. (4) - Cast in conduits to be spaced 35mm. minimum.

- S 100x100 CONDUIT BOX.
- VS 100x100 CONDUIT BOX AT 500AFFL.
- VI 100x100 CONDUIT BOX AT 1200AFFL
- L 100x50 CONDUIT BOX
- L 100x50 CONDUIT BOX AT 500AFFL.
- L 100x50 CONDUIT BOX AT 1200AFFL.
- R ROUND CONDUIT BOX.
- C CLUSTER BOX (SIZE AS NOTED).
- R ROUND DRAW BOX
- S 100x100 DRAW BOX
- P 100x50 BOX BEHIND POWER SKIRTING
- U CONDUIT TURNED UP ("D" FOR DOWN)
- D DOWN CONDUCTOR TO EARTH OR EARTH TIE.
- DM CAM etc. ROUND CONDUIT BOX FOR:
  - DM - DOOR MONITOR
  - CAM - CAMERA
  - AA - ACCESS ALARM
  - AC - ACCESS CONTROL
  - CR - CARD READER
  - COM - COMMUNICATION/INTERCOM
  - BGM - BACK GROUND MUSIC
  - EL - ELECTRIC LOCK/STRIKE
- 20mm. DIA. CONDUIT.
- 25mm. DIA. CONDUIT.
- 32mm. DIA. CONDUIT.
- 50mm. DIA. CONDUIT.
- SECTION OF CONDUIT OMMITED FOR CLARITY.
- S SURFIX
- U TWIN AND EARTH
- CABLE ROUTE
- OC OVERHEAD CAST-IN
- OS OVERHEAD ON SURFACE OR LAID ON CEILING.
- FC FLOOR SLAB CAST-IN.
- FS FLOOR SURFACE (IN FLOOR VOID).
- POWER SKIRTING
- TRUNKING
- CABLE SLEEVE.
- CABLE TRAY/LADDER
- 150 SQUARE GALV. STEEL DRAW TRAY SIZE AS SHOWN.
- TELEPHONE JUNCTION BOX.
- INTERCOM JUNCTION BOX.
- DATA/COMMS JUNCTION BOX.
- SECURITY, ETC. JUNCTION BOX
- DISTRIBUTION BOARD POSITION.
- DB-1 BOARD DESIGNATION NUMBER.
- 16A SANS 164-1 SWITCHED SOCKET OUTLET (SSO).
- 16A SANS 164-1 DOUBLE SSO.
- 16A SANS 164-1 SSO ON PEDESTAL.
- 16A SANS 164-2 3 PIN SSO.
- 16A SANS 164-1 & 164-2 COMBINATION SSO.
- 16A SANS 164-4 RED SSO (0° SHAVED EARTH PIN)
- 16A SANS 164-4 RED SSO ON PEDISTAL
- 3 PHASE C-FORM SSO.
- 1 PHASE CARAVAN SSO.
- 2 POLE ISOLATOR
- 3 POLE ISOLATOR
- 4 POLE ISOLATOR
- 6A SANS 164-3 U/S SOCKET OUTLET.
- SINGLE LEVER ONE WAY LIGHT SWITCH.
- INTERMEDIATE LIGHT SWITCH
- TWO WAY LIGHT SWITCH
- MOTION SENSOR
- LIGHT SWITCH WITH MOTION SENSOR
- LINEAR LUMINAIRE
- BULKHEAD/DOWNLIGHTER, ETC.
- WALL MOUNTED LUMINAIRES
- POLE MOUNTED LUMINAIRE.
- TELEPHONE POINT.
- TELEPHONE POINT ON PEDESTAL.
- DIRECT OUTSIDE LINE TELEPHONE POINT (CALL BOX).
- TV OUTLET.
- DATA/COMMS OUTLET.
- BELL PUSH.
- BELL OUTLET.
- SIGN POINT.
- CLOCK OUTLET.
- PHOTOCELL
- REFERENCE TO QUANTITY i.e. 3No.
- 2 REFERENCE TO A DETAIL i.e. DETAIL 2.
- 4 REFERENCE TO AN ELECTRICAL NOTE i.e. NOTE 4.
- #34 REFERENCE TO A STANDARD DRAWING i.e. STANDARD DRAWING No.34
- 6 CABLE NUMBER - REFER CABLE SCHEDULE FOR DETAILS.
- B LUMINAIRE TYPE "B" - REFER LUMINAIRE SCHEDULE.

ISSUED FOR CONSTRUCTION

GENERAL NOTES:

A) THIS DRAWING TO BE USED FOR SECURITY, ACCESS CONTROL, FIRE DETECTION, INTERCOM, BGM (P.A.), TELEPHONE AND DATA/COMMS PURPOSES ONLY.

B) DO NOT SCALE THIS DRAWING.

C) REFER TO ARCHITECTS AND STRUCTURAL ENGINEERS DRAWINGS FOR ALL BUILDING DIMENSIONS, LATEST BUILDING REVISIONS AND SERVICES.

D) THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE SECURITY, ACCESS CONTROL, FIRE DETECTION, INTERCOM, BGM (P.A.), TELEPHONE AND DATACOMMS SPECIFICATION.

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FOR CONSTRUCTION

REVISIONS

NO.	DATE	DESCRIPTION	REV BY.
1.	08.06.2024	Issued for Construction	BM
2.	28.08.2024	Revised Floor boxes Layout	BM
3.	20.10.2024	Revised Arch Layout	BM
4.	15.11.2024	Revised Arch Layout	BM
5.	09.12.2024	Revised Arch Furniture Layout	BM
6.	27.01.2025	Floor box connection point to desk indicated.	BM
7.	24.10.2025	Printing station 16Amp Caravan sockets added	BM

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PARTIAL SERVICE: ANY DISCREPANCIES WITH SITE OR OTHER INFORMATION IS TO BE ADVISED TO THE ARCHITECT AND DIRECTATION OF APPROVAL IS TO BE SOUGHT BEFORE IMPLEMENTATION OF THE DRAWING.

FOR THE PURPOSE OF COORDINATION, ALL RELEVANT PARTIES MUST CHECK THIS INFORMATION PRIOR TO IMPLEMENTATION AND REPORT ANY DISCREPANCIES TO THE ARCHITECT.

Engineer: M. Kola Signature:

Pr Eng: 20110196 Date: 08.06.2024

DBSA

Client: Government Printing Works

Signature: Date:

government printing
Department:
Government Printing Works
REPUBLIC OF SOUTH AFRICA

PROJECT:
THE UPGRADE AND REPAIR AT THE GOVERNMENT PRINTING WORKS ADMINISTRATIVE HEADQUARTERS

ADDRESS:
ERF 3265, 379 Sophie de Bruyn St
Pretoria Central, 0002, RSA.

DRAWING TITLE:
FOURTH FLOOR PLAN SMALL POWER & RETICULATION LAYOUT

Building Classification:	Climate Zone:
G1_Offices	Zone 2:
Paper Size: A0	Scale: AS SHOWN
Drawn: B.M	Checked: M.K
Date: 27/01/2025	

PROJECT No. GPW/HQ/2017/02
DRAWING No.: EE -205 -C
REVISION: 7