GENERAL NOTES

This drawing is issued for Electrical purposes only, and should be read in conjunction with the Electrical Specification. Setting out of Electrical and Electronic accessories are to be as indicated on Architects details.

Refer to Architects and Structural Drawings for all building dimensions, latest building revisions and services.

Do not scale this drawing.

All work to comply with relevant Standards, Codes of Practice, Specification and Regulations.

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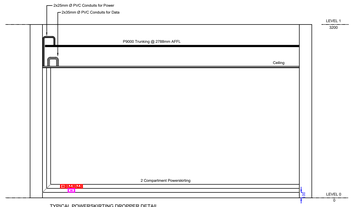
DRAWING NOTES

1. Refer to power skirting dropper detail
2. Mid Wall AC Units fed from P9000 Trunking
3. Console Unit Isolators mounted on Powerskirting
4. 30A 3Phase Isolator in Lift Shaft for Lift



TYPICAL POWERSKIRTING DROPPER DETAIL

DETAIL B
CEILING VOID CABLE LADDER/BASKET AND P9000 TRUNKING DETAIL
NTS

REV	DATE	BY	DESCRIPTION	CHK
B	12/11/24	CW	Revised to Client's Request	MK
A	20/09/24	CW	Powerskirting Revised	MK
0	13/09/24	CW	Original Issue	MK

REVISIONS

Approved in Principle
Justin Mckelvie-King
Pr Eng : 20120548

PROJECT/SERVICES
Samora Machel Police Station
Electrical Installation

TITLE
Ground Floor
Mechanical Power Layout

ENGINEER:	DRAWN BY	DATE:	CHECKED	SCALE:
KM	CW	29/08/24	KM	1:100

PROJECT No.	DRAWING No.	SHEET:	REV.
32308	220	1	B

FILE: 32308_220 LAYERS: PAPER SIZE: A0

NOTES: (1) - Contractor to ensure max distance between draw boxes 20 metres notwithstanding anything to contrary.

- 100x100 CONDUIT BOX.
- 100x100 CONDUIT BOX AT 500AFFL.
- 100x100 CONDUIT BOX AT 1400AFFL.
- 100x50 CONDUIT BOX
- 100x50 CONDUIT BOX AT 300AFFL.
- 100x50 CONDUIT BOX AT 1400AFFL.
- ROUND CONDUIT BOX.
- CLUSTER BOX (SIZE AS NOTED)

- ROUND DRAW BOX
- 100x100 DRAW BOX.
- 100x50 BOX BEHIND POWER SKIRTING
- CONDUIT TURNED UP ("S" FOR DOWN)
- DOWN CONDUCTOR TO EARTH OR EARTH TIE.

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 - ELECTROC LOCK/STRIKE

- 20mm. DIA. CONDUIT.
- 25mm. DIA. CONDUIT.
- 32mm. DIA. CONDUIT.
- 50mm. DIA. CONDUIT.
- SECTION OF CONDUIT OMMITED FOR CLARITY.
- SURTA
- TWIN AND EARTH CABLE ROUTE

(2) - Draw boxes required after every second 90 deg. bend or 180 deg. total of slow bends.

- OHC OVERHEAD CAST-IN
- OHS OVERHEAD ON SURFACE OR LAID ON CEILING.
- FC FLOOR SLAB CAST-IN.
- FS FLOOR SURFACE (IN FLOOR VOIDS).
- POWER SKIRTING
- TRUNKING
- CABLE SLEEVE.
- CABLE TRAY/LADDER

(3) - All unwired conduits to be provided with draw wires. These will be withdrawn and checked at random.

- 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 AND 164-2 COMBINATION SSO.
- 16A SANS 164-4 RED SSO (3P SHAVED EARTH PIN)
- 16A SANS 164-4 RED SSO ON PEDESTAL
- 3 PHASE C-FORM SSO.
- 2 POLE ISOLATOR
- 3 POLE ISOLATOR
- 4 POLE ISOLATOR

- 6A SANS 164-1 UNSWITCHED SOCKET OUTLET.
- SINGLE LEVER ON/ 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

(4) - Cast in conduits to be spaced 35mm. minimum.

- REFERENCE TO QUANTITY i.e. 3No.
- REFERENCE TO A DETAIL i.e. DETAIL 2.
- REFERENCE TO AN ELECTRICAL NOTE i.e. NOTE 4.
- REFERENCE TO A STANDARD DRAWING i.e. STANDARD DRAWING No.34

- CABLE NUMBER - REFER CABLE SCHEDULE FOR DETAILS.
- LUMINAIRE TYPE "B" - REFER LUMINAIRE SCHEDULE.