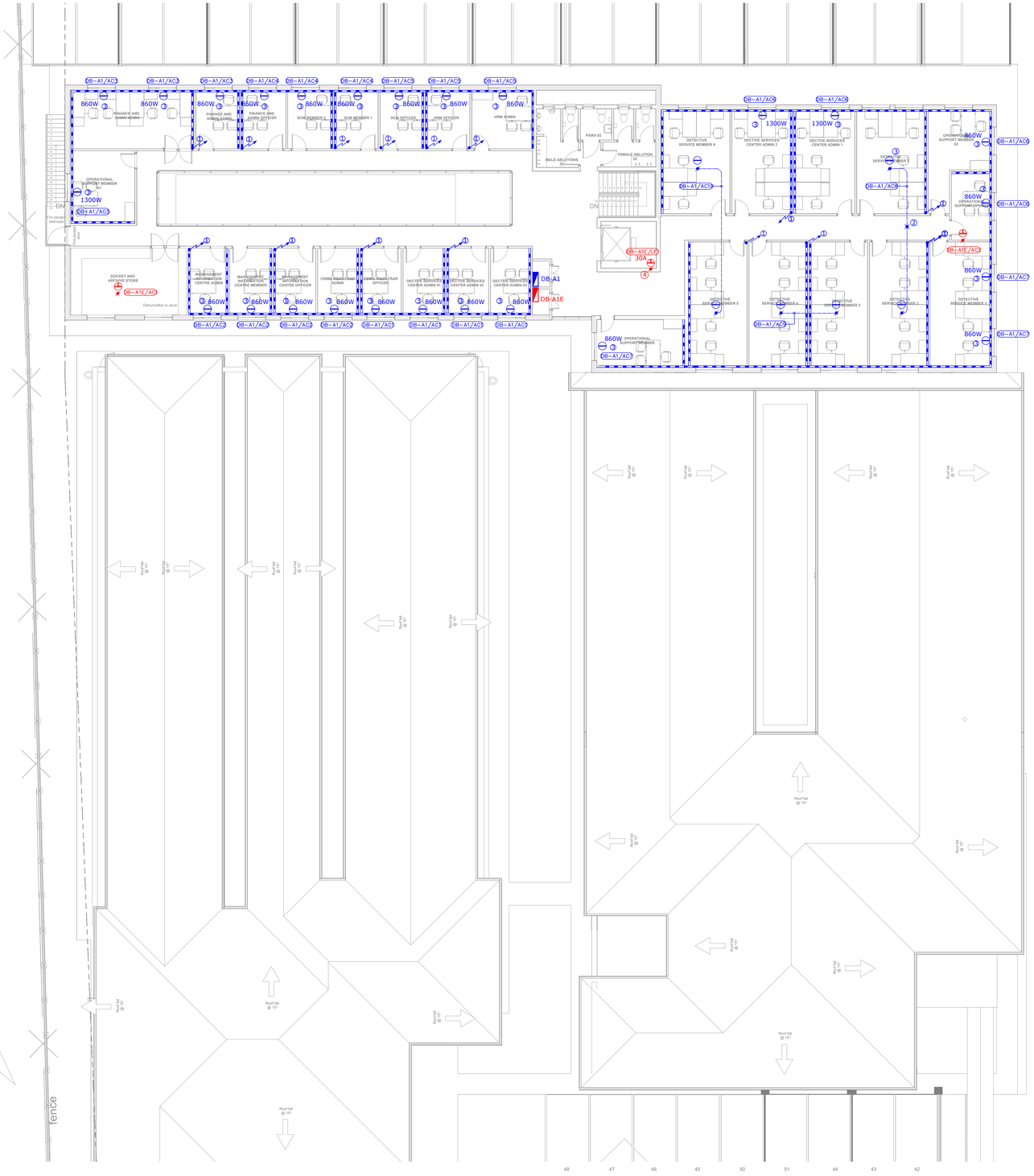

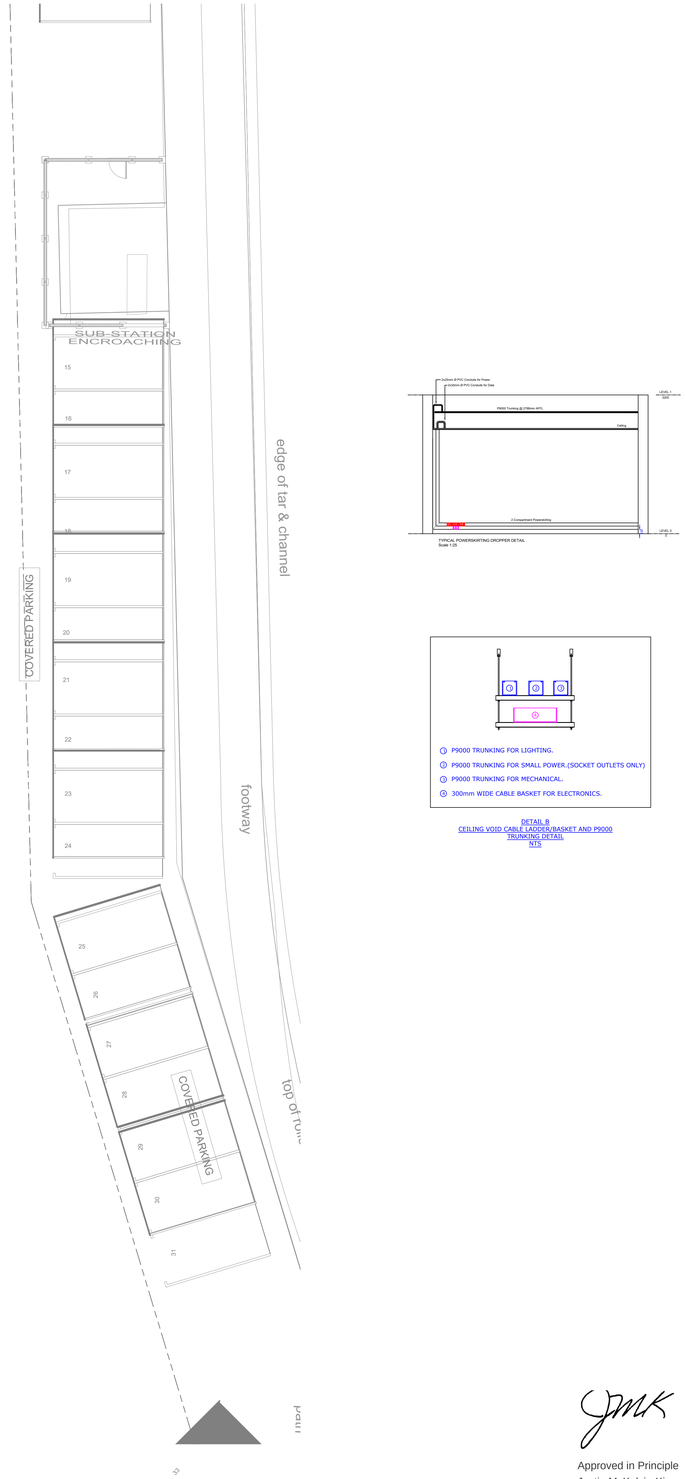

GENERAL NOTES

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.

Notwithstanding anything to the contrary, all rights reserved. No part of this drawing may be reproduced in any material form (including photo-copying or storage in any medium or by electronic means and whether or not transiently or incidentally to some other use of this drawing). In addition, this drawing may not be used for any purpose or reason other than for which it was originally issued, without written permission of the author.

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
Refer to Detail
Scale 1:25

1. P9000 TRUNKING FOR LIGHTING.
2. P9000 TRUNKING FOR SMALL POWER.(SOCKET OUTLETS ONLY)
3. P9000 TRUNKING FOR MECHANICAL.
4. 300mm WIDE CABLE BASKET FOR ELECTRONICS.

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

Approved in Principle
Justin McKelvie-King
Pr Eng : 20120548

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

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 These will be withdrawn and checked at random.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.

- 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.

- DR ROUND CONDUIT BOX FOR:
- 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.
- SURTA
- TWIN AND EARTH
- CABLE ROUTE

- OC OVERHEAD CAST-IN
- IR OVERHEAD ON SURFACE OR LAID ON CEILING.
- IC FLOOR SLAB CAST-IN.
- FL FLOOR SURFACE (IN FLOOR VOID).
- POWER SKIRTING
- TRUNKING
- CABLE SLEEVE.
- CABLE TRAY/LADDER

- SQUARE DALI/ 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.
- 1-PHASE C-FORM SSO.
- 2 POLE ISOLATOR
- 3 POLE ISOLATOR
- 4 POLE ISOLATOR

- 6A SANS 164-3 UNSWITCHED 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.
- REFERENCE TO A DETAIL i.e. DETAIL 2.
- REFERENCE TO AN ELECTRICAL NOTE i.e. NOTE 2.
- REFERENCE TO A STANDARD DRAWING i.e. STANDARD DRAWING No.34

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

PROJECT/SERVICES
Makhaza Police Station
Electrical Installation

TITLE
First Floor
Mechanical Power Layout

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

PROJECT No.	DRAWING No.	SHEET:	REV.	PAPER SIZE:
32307	221	1 of 1	B	A0

FILE: 32307_221 LAYERS:

A0_MST_1