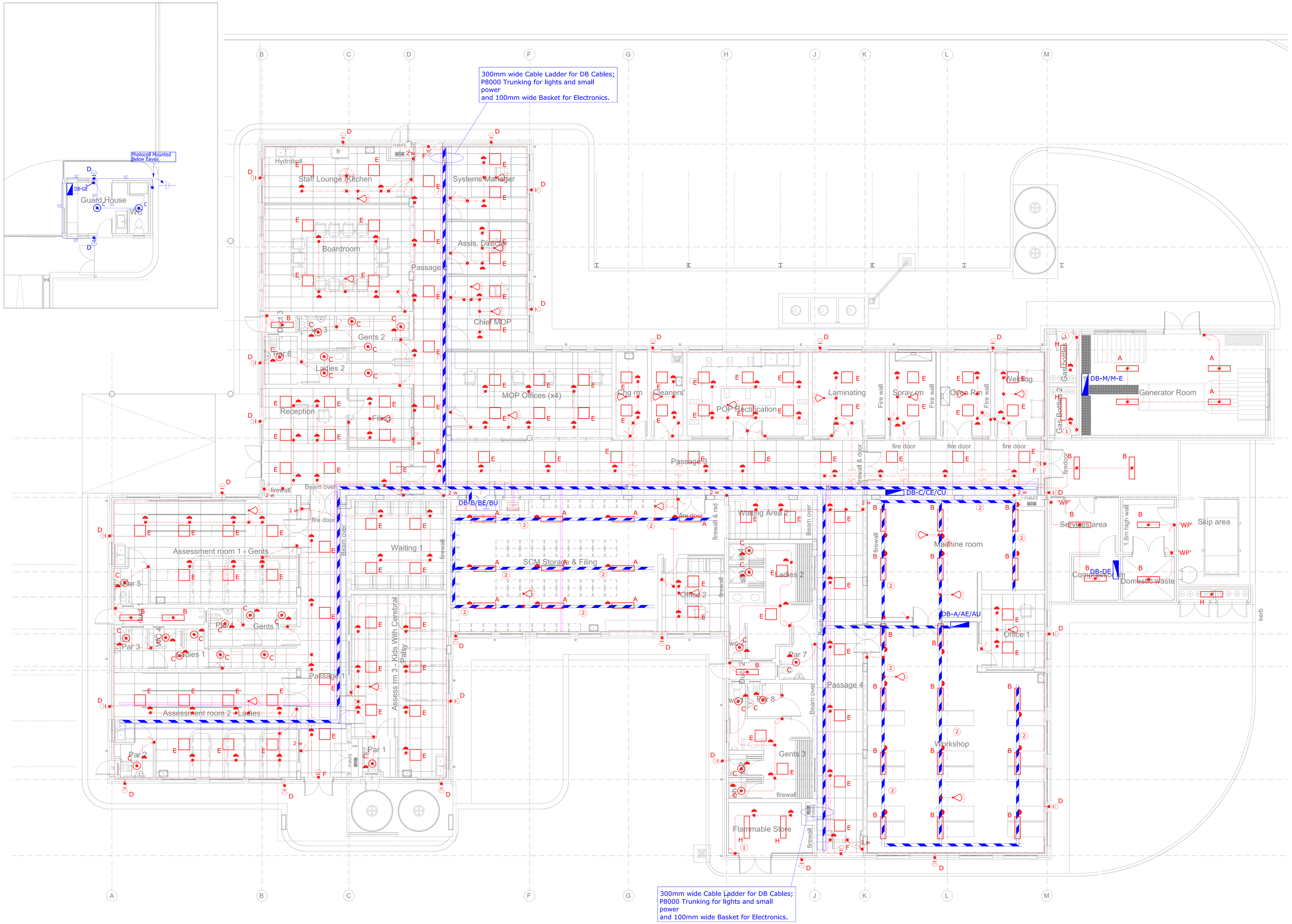

GENERAL NOTES

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. Intrinsic Safe Light Switch
2. Light Fittings mounted to suspended P2000 (Light fittings to be suspended @2600m AFFL.)

Light Fitting Types:

Type A - 1200x300 60W Surface mounted LED Light Fitting, high quality PP thermoplastic diffuser, white powder coat finish aluminium trim, and Electronic Control Gear. High quality SMD LED's tested to IES LM80 and IES TM21 or Equivalent and Approved by the Health Department

Type B - 30W LED Vapour Proof Light Fitting With Electronic Control Gear or Equivalent

Type C - Round Bulkhead Fitting Complete With 17W LED Lamps, mounted on Ceiling, or on Wall @ ± 2200mm AFFL(white trim ring) or Equivalent

Type D - Round Bulkhead Fitting Complete With 17W LED Lamps, mounted on Ceiling, or on Wall @ ± 2200mm AFFL(black trim ring) or Equivalent.

Type E - 600x600 edge lit flat panel luminaire. 1 hour self contained maintained emergency version where indicated.

Type F - Round Bulkhead Fitting Complete With 17W LED Lamps, mounted on Ceiling, or on Wall @ ± 2200mm AFFL(black trim ring) or Equivalent

Type H - Linear fluorescent, vapour and explosion proof ZONE 1. Electronic control gear.

Type K - 54 Watt LED Car Park Post Top 4m buried pole (black) complete with circuit breaker

Type L - 55W LED WIDE BEAM Steel Light with wall mounting bracket

REV	DATE	BY	DESCRIPTION	CHK
G	05/04/22	RM	Revised Architect's Layout	SN
F	28/09/21	RM	Revised as per Architect's Layout	SN
E	13/05/21	RM	Revised as per coordination drawing	SN
D	07/05/21	RM	Added Occupancy Detectors	SN
C	23/04/21	RM	Revised Architect's Layout	SN
B	20/04/21	RM	Revised Architect's Layout	SN
A	24/02/21	RM	Revised Architect's Layout	SN
0	23/10/20	RM	Original Issue	SN

REVISIONS

IBUYA PROJECTS
"EMPOWERING DEVELOPMENT"
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PROJECT/SERVICES
Ngwelezane Hospital
Proposed New Orthotic & Prosthetics Centre
Electrical Installation

TITLE
Ground Floor
Lighting Layout and Details

Option 4

ENGINEER:	DRAWN BY	DATE:	CHECKED	SCALE:
SN	RM	Oct'20	SN	1:100
				PAPER SIZE: A1

PROJECT No.	DRAWING No.	SHEET:	REV:
20013	100_4		G

FILE: LAYERS:

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 ("D" FOR DOWN)
- 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.
- 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 LUMINARE
- BULKHEAD/DOWNLIGHTER, ETC.
- WALL MOUNTED LUMINARES
- POLE MOUNTED LUMINARE.
- 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
- 1 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.
- 8 LUMINAIRE TYPE "B" – REFER LUMINAIRE SCHEDULE.

A1_MST_1