

- ## GENERAL NOTES
- The drawing is issued for Electrical purposes only, and should be read in conjunction with the Electrical Specification. Setting out Electrical and Electronic accessories are to be indicated on Architects' details. Refer to Architects and Structural Drawings for all building elements, 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

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| 1 | Spray Booth - 2.2M x 3m - Stationary Vacuum Pump - Spray Room |
| 2 | Dust collector - 5.5kW 3ø - Laminating Room |
| 3 | Filishing & Trimming Machine - 2.8kW 3ø - Machine Room |
| 4 | Barkstriper - 3kW 3ø - Machine Room |
| 5 | ST Drilling Machine - 0.75kW 1ø - Machine Room |
| 6 | Beach Grinding Machine - 1.1kW 1ø - Machine Room |
| 7 | Beaching Grinding Machine - 0.55kW 1ø - Machine Room |
| 8 | Sorter Router - 2.2kW 1ø - Machine Room |
| 9 | Floor Pre-treat, conduits link back to DB on underside of floor slab consists of:
1x 10mm SSO
1x 10mm SSO
2x Data Point |
| 10 | Cluster Box in ceiling void C/W 3x25mm conduit droppers:
1x Data Points
1x HOVI
2x SSO |
| 11 | Conduits cast in beds to powerlifting:
3 x 25mm (1 power) and 2 x 25mm (0 live/cables) |
| 12 | 20A Single Phase Isolator in ceiling void for doors on UPS. |
| 13 | 20A Single Phase Isolator in ceiling void for extractor fans |
| 14 | 20A Weatherproof Isolator mounted at 2200mm AFFL. |
| 15 | 20A Weatherproof Isolator mounted at 2200mm AFFL. |
| 16 | 20A (x Single Phase Isolator/Weatherproof) |
| 17 | Three Phase 170W Power Supply for Spray Booth |
| 18 | Three Phase 100W Power Supply for Oven |
| 19 | 5A Single Phase Plug for Cassette Unit in ceiling void |
| 20 | 20A Isolator for the Geysir in ceiling void |
| 21 | 20A Three Phase Isolator (Weatherproof) |
| 22 | 20A Three Phase Isolator (Weatherproof) |
| 23 | 30A Single Phase Isolator for Geysir in ceiling void |
| 24 | 20A Single Phase Isolator for Hydraulic |
| 25 | Round Draw Box for Aircon Controller |
| 26 | 30A Three Phase Isolator for Outdoor Unit(Weatherproof) |
| 27 | 20A Three Phase Isolator in Ceiling void for Extractor Fan |
| 28 | 60A Three Phase Isolator on the Roof for AHU No. 2 (Weatherproof) |
| 29 | 30A Three Phase Isolator for Fresh Air Fan(Weatherproof) |
| 30 | 60A Three Phase Isolator for Fresh Air Fan(Weatherproof) |
| 30A | Three Phase Isolator for Fresh Air Fan(Weatherproof) |

* All Isolators to be at 1200mm AFFL

M	05/04/22	RM	Revised Architect's Layout	SN
G	28/03/22	RM	General Revision	SN
F	24/01/22	RM	Additional Schedulers added	SN
E	28/09/21	RM	Revised Architect's Layout	SN
D	13/05/21	RM	Additional Schedulers added	SN
C	23/04/21	RM	Revised Architect's Layout	SN
B	15/03/21	RM	Revised Architect's Layout	SN
A	24/02/21	RM	Revised Architect's Layout	SN
0	28/09/20	RM	Original Issue	SN
REVISIONS				CHG

IBU PROJECTS
EMPOWERING DEVELOPMENT™



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PROJECT/SERVICES

Ngwelezane Hospital
Proposed New Orthotic &
Prosthetics Centre
Electrical Installation

Ground Floor

Small Power and Reticulation

Layout and Details

ENGINEER:	DRAWN BY:	DATE:	CHECKED	SCALE:
SN	RM	Sept'20	SN	1:100
PROJECT NO.	DRAWING NO.	SHEET:	PAPER	SIZE:
20013	200_4			A1
FILE:	LAYERS:		REV:	H

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

- ♂ 100-10 CONDUIT BOX.
- ♂ 100-10 CONDUIT BOX AT 504FT/L.
- ♂ 100-10 CONDUIT BOX AT 1404FT/L.
- ♂ 100-60 CONDUIT BOX.
- ♂ 100-60 CONDUIT BOX AT 300FT/L.
- ♂ 100-60 CONDUIT BOX AT 1404FT/L.
- ♂ CONDUIT BOX.
- ♂ CONDUIT BOX (SEE AS NOTED).
- ♂ ROUND DRAW BOX.
- ♂ 100-10 DRAW BOX.
- ♂ 100-60 BOX BEHIND POWER SKINING.
- ♂ CONDUIT TURNED UP ("V" FOR DOWN).
- ♂ DOWN CONDUCTOR TO DARTH OR DARTH T.E.














DM - DOOR MONITOR
 CAM - CAMERA
 etc.
 DM - DOOR MONITOR
 CAM - CAMERA
 AA - ACCESS ALARM
 AC - ACCESS CONTROL
 CR - CARD READER
 COM - COMMUNICATION/INTERCOM
 BSM - BACK GROUND MUSIC
 EL - ELECTRIC LOCK/STRIKE

20mm. DIA. CONDUIT.
20mm. DIA. CONDUIT.
20mm. DIA. CONDUIT.
50mm. DIA. CONDUIT.
SECTION OF CONDUIT
DRAINED FOR CLARITY.
SURTAX
TWIN AND EARTH
CABLE ROUTE

PC	OVERHEAD CAST-IN
OC	OVERHEAD ON SURFACE OR LAID ON CEILING
FC	FLOOR SLAB CAST-IN
FS	FLOOR SURFACE (IN FLOOR VOID)
	POWER SWAGING
	TRUNKING
	CABLE SLEEVE
	CABLE TRAY/LADDER

☒ 150 SQUARE GALV. STEEL DRAW SHOWING.
☐ 17 TELEPHONE JUNCTION BOX.
☐ 18 INTERCOM JUNCTION BOX.
☐ 19 DATA/COMMS JUNCTION BOX.
☒ 20 SECURITY, ETC. JUNCTION BOX.
☐ DISTRIBUTION BOARD POSITION.
 DB-1 BOARD DESIGNATION NUMBER.

SAFETY SIZE AS	
⊕	16A SANS 16-1
⊕	16A SANS 16-1
⊕	16A SANS 16-1
⊕	16A SANS 16-2
⊕	16A SANS 16-1
⊕	16A SANS 16-4
⊕	16A SANS 16-4
⊕	3 PHASE C-FORM
⊕	3 POLE ISOLATOR
⊕	3 POLE ISOLATOR
⊕	4 POLE ISOLATOR

<p>  DOUBLE SSO.  SSO ON PEDestal.  3 PIN SSO.  164-2 COMBINATION SSO.  160 SSO (OR SHADED EARTH PIN).  160 SSO ON PEDestal.  SSO. </p>	<p>  6A SANS 164-3 0/5 SOCKET OUTLET.  SINGLE LEVER ONE WAY LIGHT SWITCH.  INTERMEDIATE LIGHT SWITCH.  TWO WAY LIGHT SWITCH.  MOTION SENSOR.  LIGHT SWITCH WITH MOTION SENSOR. </p>
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






☐ 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.	#34
	PHOTOCELL.	

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

6
CABLE NUMBER - REFER CABLE SCHEDULE FOR DETAILS.
HD
LUMINAIRE TYPE "B" - REFER LUMINAIRE SCHEDULE.