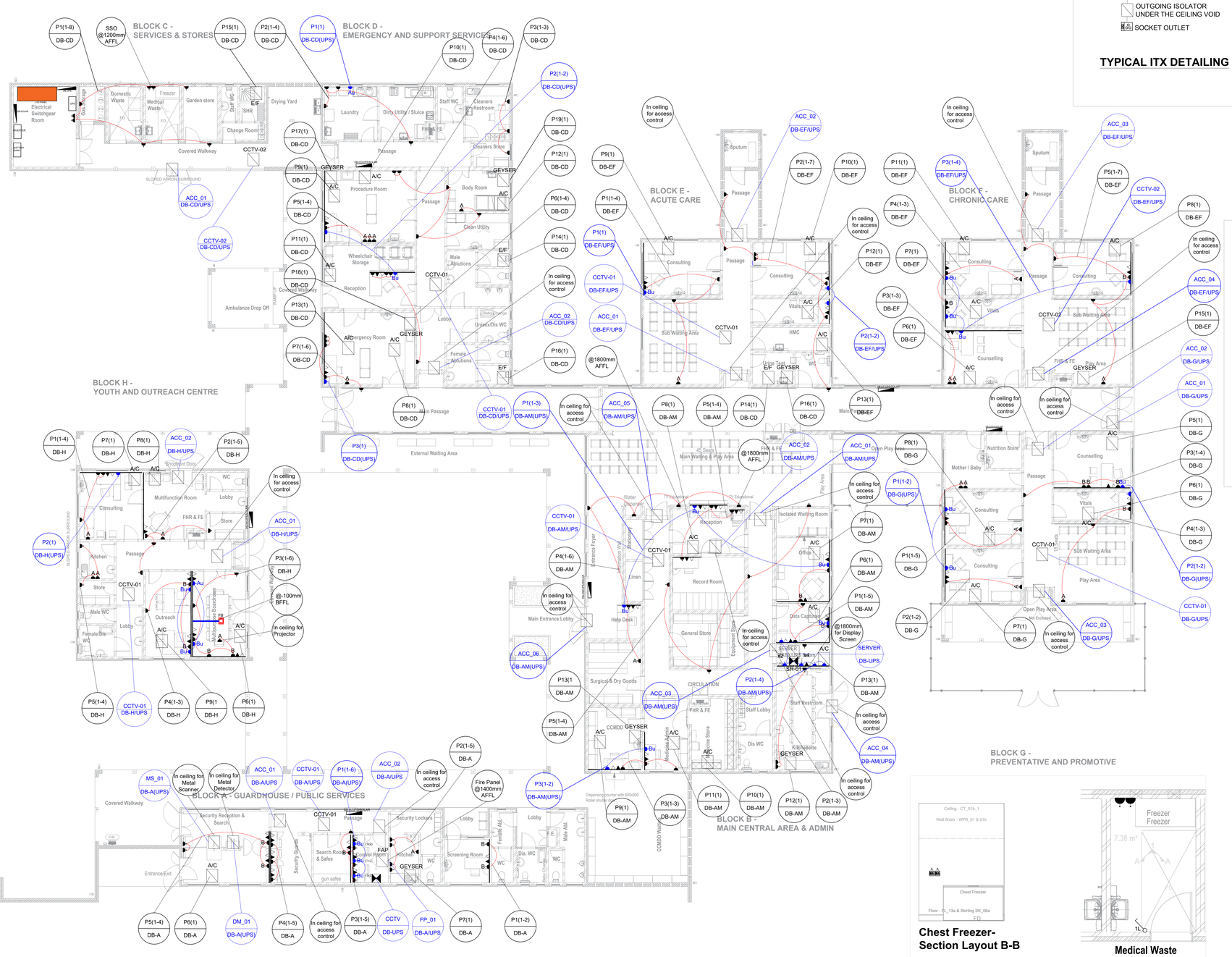

FROM THE UPS-DB CIRCUIT BREAKER

INCOMER ISOLATOR UNDER THE CEILING VOID

ITX (FLOOR STANDING)

OUTGOING ISOLATOR UNDER THE CEILING VOID

SOCKET OUTLET

TYPICAL ITX DETAILING

LEGEND	
A	16A DOUBLE SSO WITH ONE TYPE M AND TWO TYPE N SOCKETS MOUNTED ON WALL 300MM AFFL
B	16A DOUBLE SSO WITH ONE TYPE M AND ONE TYPE N SOCKETS MOUNTED ON THE POWERSKIRTING.
Bu	16A SSO WITH ONE TYPE M AND ONE TYPE N SOCKET CONNECTED TO UPS ON THE POWER SKIRTING
Au	16A SSO WITH ONE TYPE M AND TWO TYPE N SOCKET CONNECTED TO UPS MOUNTED ON WALL 300MM AFFL
FB	RECESSED FLOOR BOX CONSISTING OF: • 3 x SWITCHED(NORMAL) 3 PIN- 16A • 2 x COMMERCIAL LAN RJ45 OUTLETS • 2 x HDMI OUTLETS
UPS	UNINTERUPTED POWER SUPPLY
D	RJ45 DATA CONNECTION POINT
T	RJ11 TELEPHONE CONNECTION POINT
A P	TYPICAL ISOLATOR (AMPRAGE(A), POLES(P))
	SERVER RACK
	DISTRIBUTION BOARD
	LOW VOLTAGE DISTRIBUTION(LVD) PANEL
	UNDER FLOOR TRUNKING

GENERAL NOTES

A. General notes apply to entire electrical drawing set. Drawing notes apply to associated drawings. Plan key notes apply where indicated.
B. Do not scale or dimension from these drawings.
C. "Supply" shall mean to supply and deliver to project site, ready for unloading, unpacking, assembly, installation and similar operation. "Install" shall mean operations at project site, including unloading, temporary storing, unpacking, assembling, erecting, placing, anchoring, working to dimension, finishing, protecting, cleaning, and similar operation. "Provide" shall mean to supply and install, complete and ready for intended use.
D. Refer to architectural, electrical, and mechanical plans, elevations, and details for locations of ceiling elements (light fittings, diffusers, etc.) and wall mounted devices. If location for item is not shown on above listed drawings, verify critical areas with field Project Manager.
E. Electrical systems indicated on drawings are diagrammatic and additional work, including necessary circuitry, shall be provided to make systems complete and in safe working order.Co-ordinate work with other trades.
F. Indicated circuit runs are diagrammatic. Size and location pull boxes per SANS 10142 and coordinate with other disciplines. building conditions shall determine actual conduit runs.
G. Upon job completion, provide As-Built drawings accurately depicting final construction.
H. Installation to comply with OHS act, SANS 10142 and other relevant SANS codes.
I. No commissioning to take place unless authorised by the Engineer.
J. All test certificates to be issued to the Engineer before any commissioning can be authorised by the Engineer.
K. Certificate of compliance to be issued to the Engineer after commissioning but before handover for use.

DRAWING NOTES

1. Isolator position to be confirmed on site by engineer.
2. Note for conduits in brick and floor.
3. Add cctv isolators for network switches.
4. Floor Cut-out to be allowed for Floor Box Trunking

Reception

SCALE 1:50

Typical Power Skirting Section View C-C

Control Room

Control Room Section View A-A

SCALE 1:40

Chest Freezer- Section Layout B-B

Medical Waste

SCALE 1:40

Clean Utility Section View D-D

SCALE 1:40

POWER LAYOUT
SCALE 1:100

FOR TENDER

REVISIONS							
NO	DATE	DESCRIPTION	CHECKED	NO	DATE	DESCRIPTION	CHECKED
A	12/04/24	FOR APPROVAL	DN				
B	05/07/24	DETAIL DESIGN	DN				
C	19/08/24	FOR TENDER	DN				

SCALE		
AS SHOWN(A0)	DESIGN	K MAHARAJ
	DRAWN	P BHENGU
	CHECKED	D NAIDOO

ARCHITECTS
PRINCIPAL AGENT
INCLINE ARCHITECTS
117 B Albrecht Street | Dan Pienaar | Bloemfontein 9300
PO Box 28143 | Darleyf | Bloemfontein 9310 | t: 051 444 4702
admin@inclinearchitects.co.za | www.inclinearchitects.co.za

ELECTRICAL / MECHANICAL
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HOKMAH

QUANTITY SURVEYORS
RUBIQUANT QUANTITY SURVEYORS

CLIENT/EMPLOYER
health Department: Health PROVINCE OF KWAZULU-NATAL

PROJECT DESCRIPTION	CONTRACT NO.
THULASIZWE CLINIC	TC001
DRAWING DESCRIPTION	DRAWING NO.
POWER LAYOUT	DNA-TC-ELE-PL-1001-00
	REV.NO. A B C