

BLOCK C -

(1) _EARTH BAR @300mm

Electrical Switchgear Room

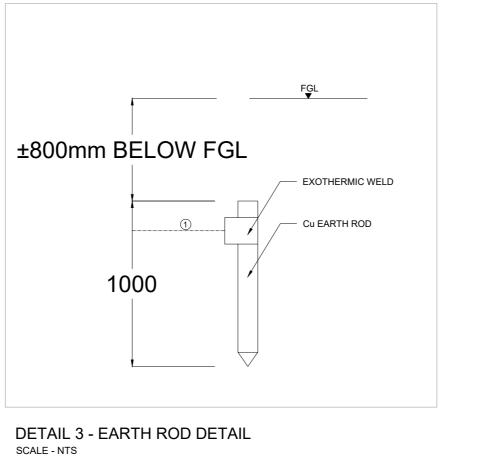
(SEE DETAIL 1)

SERVICES & STORES

YOUTH AND OUTREACH CENTRE

BLOCK A - GUARDHOUSE / PUBLIC SERVICES

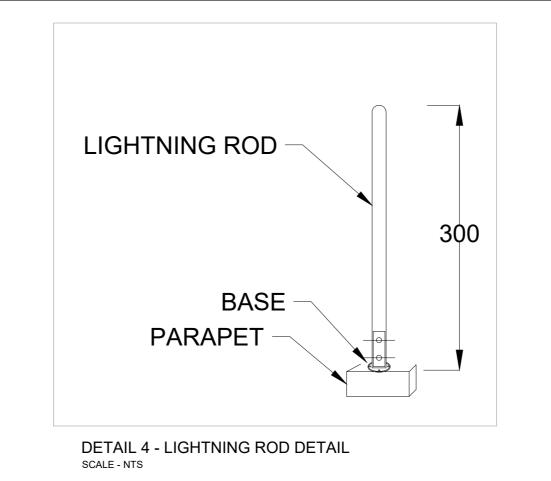
BLOCK D -EMERGENCY AND SUPPORT SERVICES



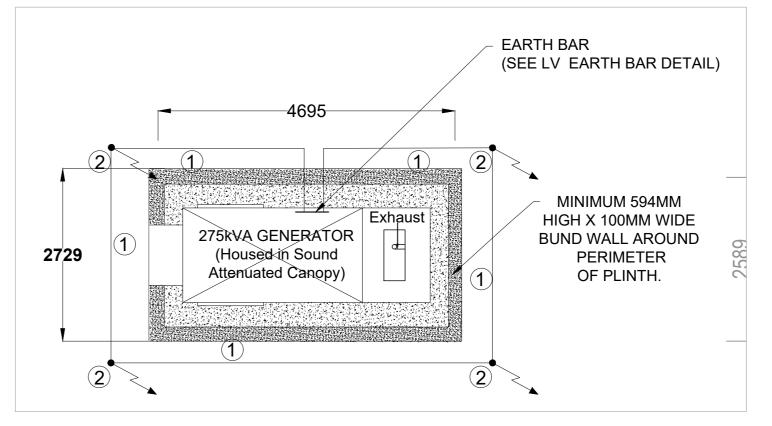
Sub Waiting Area

45 Seats FHR & FE

BLOCK B - (1)
MAIN CENTRAL AREA & ADMIN



BLOCK G - PREVENTATIVE AND PROMOTIVE



DETAIL 5 - 275kVA GENERATOR EARTHING AND LIGHTNING LAYOUT

DRAWING NOTES:

1. Conductor in 25mm conduit **GENERAL NOTES**

Design to be in accordance with SANS 62305.

LV Earth to be joined where Earth loop impedence does not

Position of LV earth bar to be co-ordinated with the earth Matt
 Specialist to conduct Site soil resistivity test.
 70mm² BCE to each Sub-DB with DB earth bar.

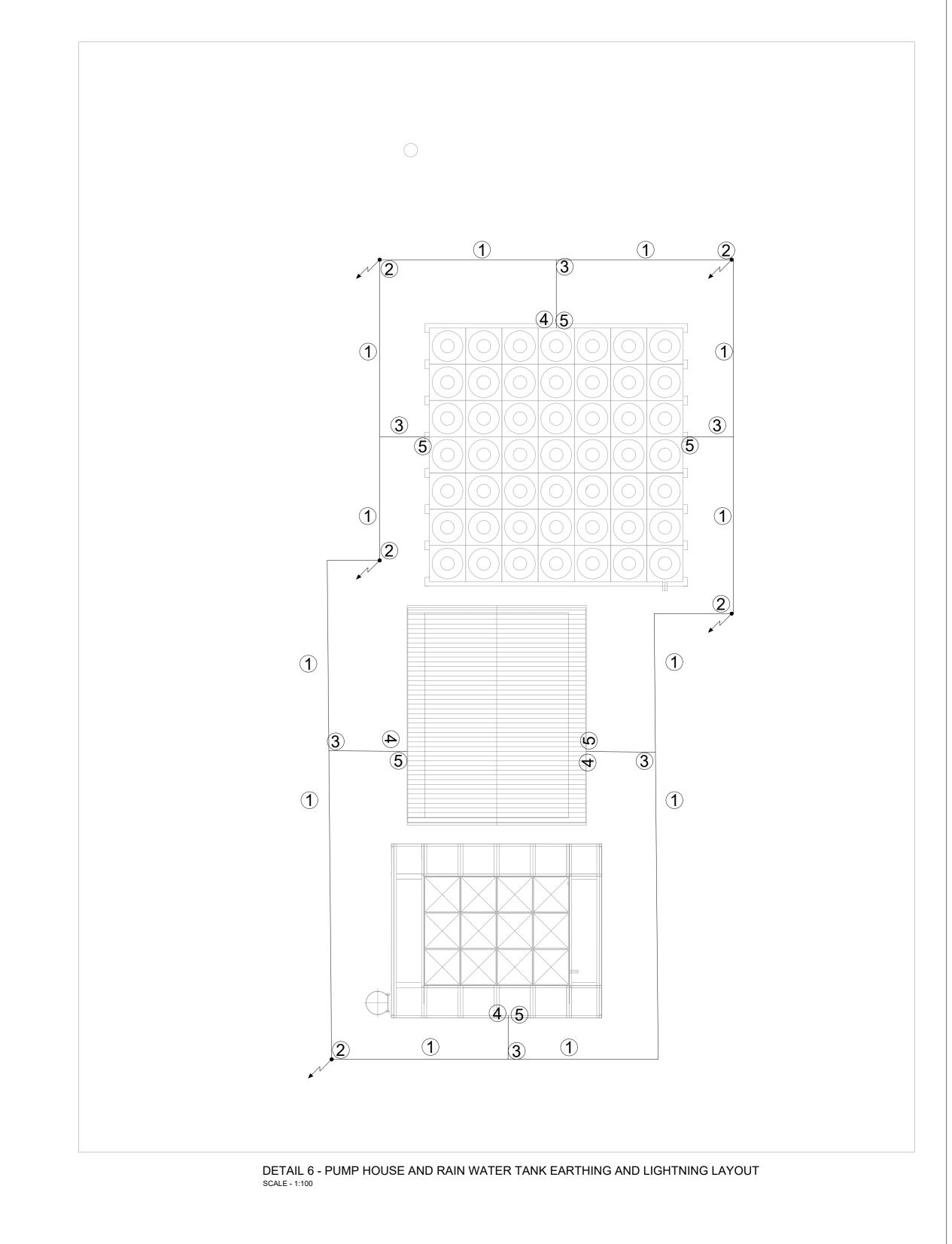
A. General notes apply to entire electrical drawing set. Drawing notes apply to associated drawings. Plan key notes apply where B. Do not scale or dimension from these drawings. C. "Supply" shall mean to supply and deliver to project site, ready for unloading, unpacking, assembly, installation and similar 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. 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. 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. 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. 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.

	LEGEND
1	70mm ² BARE COPPER EARTH CABLE
2	EARTH ROD
3	50mm ² LINKED TO REBAR IN GROUND SLAB
4	50mm ² BONDING TO LIGHTNING PROTECTION VIA DOWN PIPES / COLUMNS/SLAB REBAR
5	EARTH TEST POINT IN YORK BOX
6	8mm ² ALUMINIUM LIGHTNING CONDUCTOR COMPLETE WITH LIGHTNING RODS



LV E/B

300 AFFL

EARTH MATT

TOP VIEW

	REVISIONS					SCALE		ARCHITECTS		ELECTRICAL / MECHANICAL	CIVIL / STRUCTURAL	QUANITITY SURVEYORS	CLIENT/EMPLOYER	PROJECT DESCRIPTION	CONTRACT NO.
NO DATE A 12/04/24	DESCRIPTION FOR APPROVAL	CHECKED	NO DATE	DESCRIPTION	CHECKED	V & & HO/W/N(VU)	DESIGN	K MAHARAJ	PRINCIPAL AGENT	EDNA	H-O-K-M-A-H	RUBIQUANT	health Department: Health PROVINCE OF KWAZULU-NATAL RIGHTING DISEASE, RIGHTING POVERTY, GIVING HOPE	THULASIZWE CLINIC	TC001
B 05/07/24 C 29/07/24	DETAILED DESIGN FOR TENDER	DN DN					DRAWN	P BHENGU	ARCHITECTS 117 B Albrecht Street Dan Pienaar Bloemfontein 9350 PO Box 28143 Danhof Bloemfontein 9310 t 051 444 4702					DRAWING DESCRIPTION	DRAWING NO
						-	CHECKED	D NAIDOO	admin@inclinearchitects.co.za www.inclinearchitects.co.za	CONSULTING ENGINEERS	Consulting Engineers & Project Managers	QUANTITY SURVEYORS		EARTHING AND LIGHTNING PROTECTION LAYOUT	DNA-TC-ELE-PL-1004