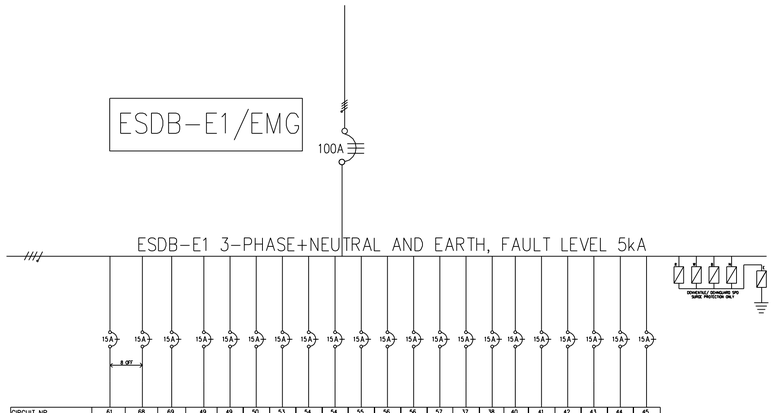
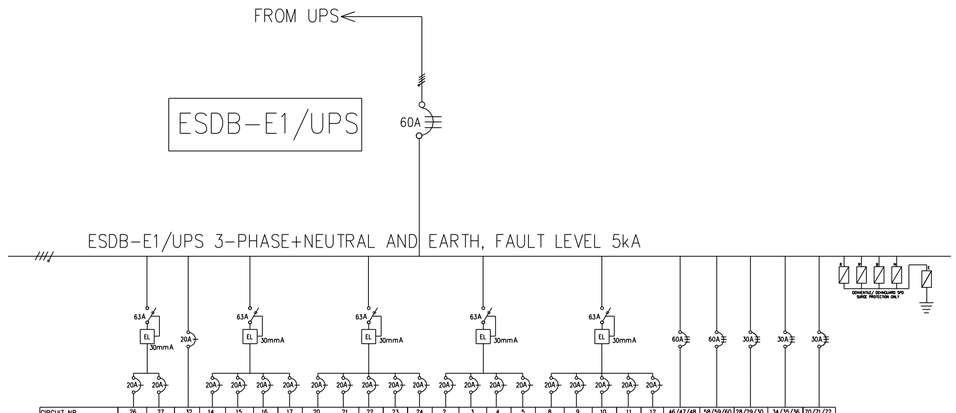


CIRCUIT NR	61	68	69	49	49	50	53	54	54	55	56	56	57	37	38	40	41	42	43	44	45
CONDUCTOR SIZE (mm²)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	2.5
EARTH WIRE SIZE (mm²)	2.5	2.5	4	2.5	2.5	2.5	2.5	2.5	4	2.5	2.5	2.5	4	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4
CONDUIT SIZE (mm)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
EQUIPMENT	LIGHTING												DRYER	LIGHTING							DRYER

NOTE: 1) SIZE OF CABLES, CONDUCTORS SIZES AND
CIRCUIT IDENTIFICATIONS TO BE TRACED ON SITE
2) INCOMING CABLE SOURCE TO BE TRACED ON SITE

MECHANICAL BARRIER



CIRCUIT NR	26	27	32	14	15	16	17	20	21	22	23	24	2	3	4	5	8	9	10	11	12	46/47/48	58/59/60	28/29/30	34/35/36	70/71/72
CONDUCTOR SIZE (mm²)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	16	16	6	6	6
EARTH WIRE SIZE (mm²)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	10	10	4	4	4
CONDUIT SIZE (mm)	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	50	50	20	20	20
EQUIPMENT	SWITCHED SOCKET OUTLETS												SWITCHED SOCKET OUTLETS									AUTOCLAVE		WASHING MACHINE		

NOTE: SIZE OF CABLES, CONDUCTORS SIZES AND
CIRCUIT IDENTIFICATIONS TO BE TRACED ON SITE

LEGEND:
EL : EARTH LEAKAGE
TBI: TO BE IDENTIFIED
DP: DEDICATED PLUG
CLFR: CALORIFIER
WSH M: WASHING MACHINE
CMP: COMPRESSOR
S.S. OUTLETS: SWITCHED SOCKET OUTLETS

PROJECT STATUS

CONCEPT DRAWING | STAGE THREE DESIGN DEVELOPMENT | TENDER DRAWING | AS BUILT DRAWING

REVISION	DESCRIPTION	DATE	BY
A	ISSUED FOR TENDER	24/07/24	M.B

CLIENT:
NATIONAL HEALTH LABORATORY SERVICE

CONSULTANT:
POTENT Engineering Projects
14 14th Avenue
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1609
+27 74 959 4277
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PROJECT:
REFURBISHMENT OF NHLS SAVP BUILDING

DRAWING TITLE:
ES DISTRIBUTION BOARD E1 SCHEMATIC

PROJECT STAGE:
TENDER STAGE

DATE: 24/07/2024	SCALE: NTS	DRAWN: G. MAMBOYA
DESIGN: B. BOKABO	CHECKED: B. BOKABO	APPROVED: B. BOKABO

DESIGN ENGINEER APPROVAL: DATE:
PROJECT ENGINEER APPROVAL: DATE:
CLIENT APPROVAL: DATE:

PEP/NHLS/ESDB-E1 — REVISION: A

...\Documents\NHLS\ESDB-E1.dgn 2024/07/25 08:56:12