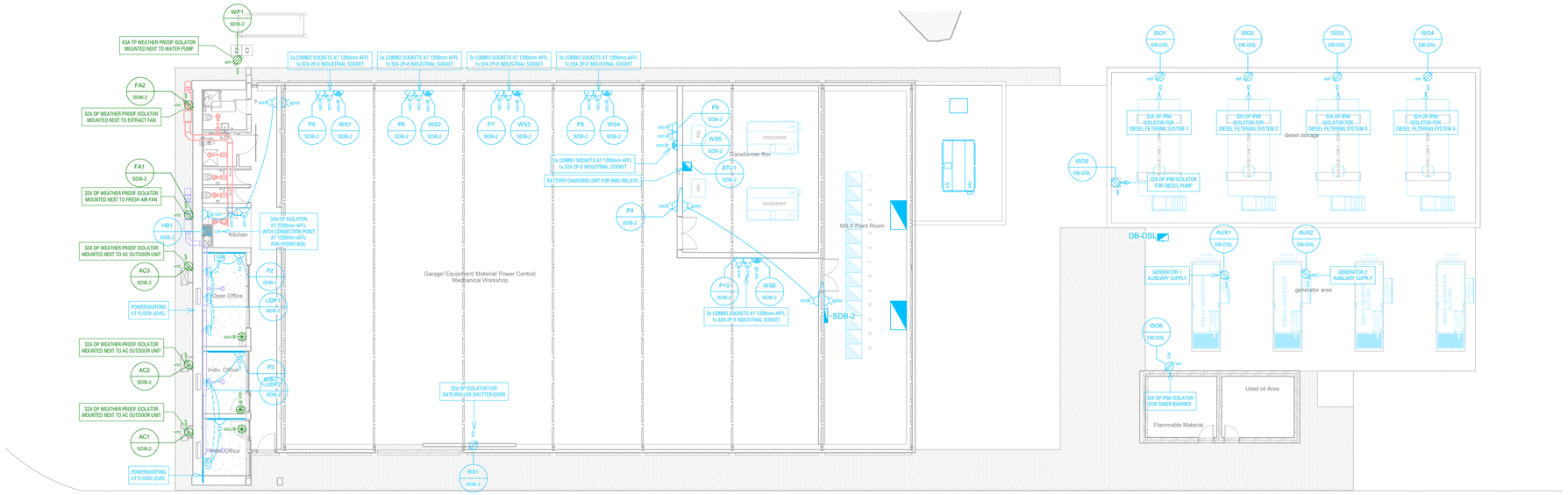
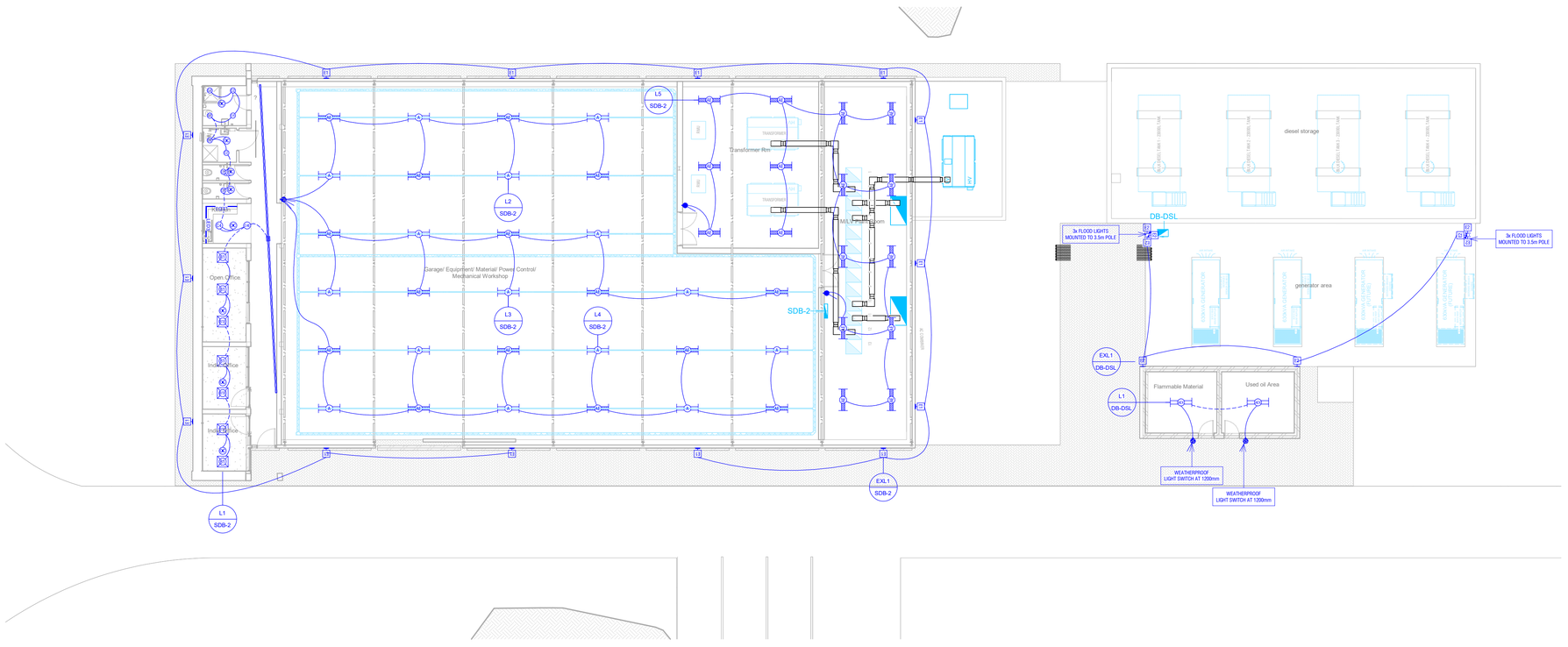


1 Generator Building Small Power Layout

1 : 150



2 Generator Building Lighting Layout

1 : 150

A1

WS1 WORKSTATION 1 ON POWERSKIRTING WITH:
2x DEDICATED SSO(UPS)
1x SANS164-2 NEW RSA 3-PIN
1x DATA

WS2 WORKSTATION 1 ON POWERSKIRTING WITH:
1x DEDICATED SSO
1x 16A 3-PIN SSO(NORMAL)
1x SANS164-2 NEW RSA 3-PIN
1x DATA

FB-1 FLOOR BOX 1 WITH:
2x DEDICATED SSO(UPS)
1x SANS164-2 NEW RSA 3-PIN
1x DATA

FB-2 FLOOR BOX 2 WITH:
1x DEDICATED SSO(UPS)
1x SANS164-2 NEW RSA 3-PIN
1x DATA

TV-A TV POINT A:
1x DEDICATED SSO
1x BLANK 4X4 BOX
1x DATA

1x 16A 3-PIN SSO(NORMAL)
1x SANS164-2 NEW RSA 3-PIN
MOUNTED ON POWERSKIRTING

COMBO SOCKET
1x 16A 3-PIN
1x SANS164-2 NEW RSA 3-PIN
2x USB OUTLETS
REFER TO PLAN FOR HEIGHTS

NEW SANS 164-1 PLUGS INCLUSIVE OF 3-PIN PLUG (SANS 164-1)
REFER TO PLAN FOR HEIGHTS

WEATHER PROOF SWITCHED SOCKET
REFER TO PLAN FOR HEIGHTS

DOUBLE DEDICATED SOCKET
REFER TO PLAN FOR HEIGHTS

DATA POINT
REFER TO PLAN FOR HEIGHTS

DOUBLE POLE ISOLATOR
REFER TO PLAN FOR HEIGHTS

TRIPLE POLE ISOLATOR
REFER TO PLAN FOR HEIGHTS

4x4 BOX FOR AC CONTROLLER
AT 1200mm AFFL

5-PIN WELDING SOCKET
MALE CONNECTION TO BE INCLUDED
REFER TO PLAN FOR HEIGHTS

TWO-TIER POWER SKIRTING
REFER TO PLAN FOR HEIGHTS

20mm CONDUIT FOR POWER

25mm CONDUIT FOR POWER/DATA

32mm CONDUIT FOR HDMI/AV

DISTRIBUTION BOARD

A LIGHT FITTING TYPE A
VAPOR PROOF FITTING 40W, **4000K**

AE LIGHT FITTING TYPE AE
VAPOR PROOF FITTING 40W, **4000K**
WITH BATTERY BACK-UP

AEX LIGHT FITTING TYPE AEX
VAPOR PROOF FITTING 38W,
ZONE 1 EX, 1200mm **4000K**,
INTRINSICALLY SAFE FITTING

B1 LIGHT FITTING TYPE B1
600X600 LED FITTING
36W PRISM BACKLIT **4000K**

B1E LIGHT FITTING TYPE B1E
600X600 LED FITTING
36W PRISM BACKLIT **4000K**
WITH BATTERY BACK-UP

C1 LIGHT FITTING TYPE C1
GU10 LED DOWNLIGHT 5W, **3000K**

C1E LIGHT FITTING TYPE C1E
GU10 LED DOWNLIGHT 5W, **3000K**
WITH BATTERY BACK-UP

C2 LIGHT FITTING TYPE C2
GU10 LED DOWNLIGHT 5W, **4000K**

C2E LIGHT FITTING TYPE C2E
GU10 LED DOWNLIGHT 5W, **4000K**
WITH BATTERY BACK-UP

E1 LIGHT FITTING TYPE E1
FOOT LIGHT 15W, **4000K**

E2 LIGHT FITTING TYPE E2
100W FLOOD LIGHT, **4000K**, RLS360

E3 LIGHT FITTING TYPE E3
13W LED BULKHEAD, **4000K**

T1 LIGHT FITTING TYPE T1
GU10 LED TRACK SPOT LIGHT 5W, **3000K**

T2 LIGHT FITTING TYPE T2
GU10 LED TRACK SPOT LIGHT 5W, **4000K**

TE LIGHT FITTING TYPE TE
EMERGENCY TRACK SPOT LIGHT 5W, **4000K**

TRACK BLACK TRACK FOR TRACK SPOTS

LED1 LED STRIP LIGHT, **3000K**

LED2 LED STRIP LIGHT, **4000K**

OC OCCUPANCY SENSOR

1, 2 & 3 LEVER LIGHT SWITCHES:
* 2 - INDICATES TWO WAY
D - INDICATES DIMMER MODULE
WP - INDICATES WEATHER PROOF

FOR TENDER

- REVISIONS -

REV	DATE	DESCRIPTION	SIGN
A	2024-08-20	ISSUED FOR INFORMATION	S.P
B	2024-11-08	ISSUED FOR INFORMATION	S.P
TD	2024-12-11	ISSUED FOR TENDER	S.P
TD1	2025-02-10	ISSUED FOR TENDER	S.P

- LEGEND -

CABLE LADDER

CABLE LADDER IN ACCESS FLOOR

CABLE LADDER FOR A-SUPPLY

CABLE LADDER FOR B-SUPPLY

ALU RESIN ENCAPSULATED BUSBAR

P8000/P9000 FOR POWER

P8000/P9000 FOR DATA/FIBRE

WIREMESH FOR DATA/FIBRE

WIREMESH FOR DATA/FIBRE A-ROUTE

WIREMESH FOR DATA/FIBRE B-ROUTE

DISTRIBUTION BOARD

- ELECTRICAL NOTES -

- ARCHITECT -

SVA
LEAD BUILD DESIGN

ARCH. REV: - | A

CLAASSEN AURET (PTY) LTD.
CONSULTING ENGINEERS
8 HANDEL ROAD
ORMONDE
2091
TEL: 011 496 3101
1 HAWSTON ROAD
MILNERTON
7441
TEL: 021 555 0940

FOR TENDER

- PROJECT -

SANSA

SANSA SOUTH AFRICAN NATIONAL SPACE AGENCY

APPROVED:	H.M	PLOT DATE:	08/20/24
CHECKED:	F.L	SCALE:	As indicated
DESIGNED:	F.L	DRIVE:	Autodesk Docs://SANSA Midjiestvation/SMFN-CAI-EE-MD.rvt
DRAWN:	S.P	FILE:	SANSA

- DRAWING DESCRIPTION -

Generator Building
Electrical Layouts

- DRAWING NUMBER -

PROJECT #	COMPANY	DISCIPLINE & TYPE	SUB DISCIPLINE & NUMBER	REV.
SMFN	CAI	EE	DR-008_02	TD1