

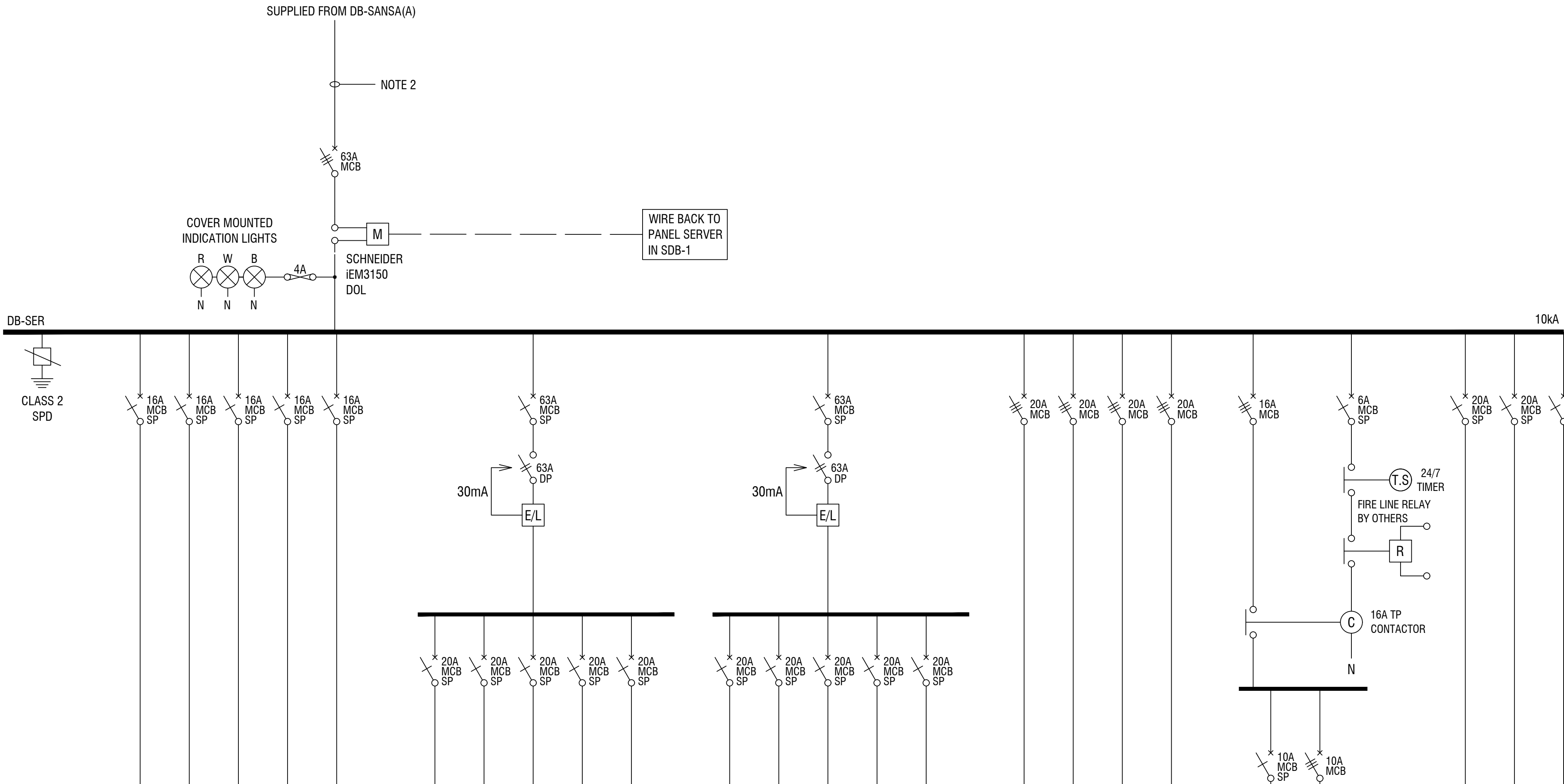
DISTRIBUTION BOARD CONSTRUCTION & ELECTRICAL SPECIFICATION																					
RECESSED		WEATHER PROOF		MATERIAL THICKNESS		MATERIAL TYPE		FINISH		CABLE ENTRY		SEPARATED DIVISIONS		COLOUR- MAIN	WHITE	WIDTH (max)	800	BUSBAR RATING -A	63A	FRONT ACCESS	●
HALF-RECESSED		DUST PROOF		1.2mm		ELECTRO GALVANISED	●	ETCH PRIME		TOP	●	NORMAL SECTION		COLOUR- NORMAL		HEIGHT (max)	1000	FAULT LEVEL -kA	10	REAR ACCESS	
SURFACE	●	HINGED PANELS		1.6mm	●	3CR12		BRUSHED		BOTTOM	●	EMERGENCY SECTION	●	COLOUR- EMERGENCY	RED	DEPTH (max)	200	NEUTRAL (full)	●	SUPPLY: SINGLE CORE	
FLOOR STANDING		SMOKED GLASS DOORS		2.0mm		304 SS		EPOXY COATED	●	GLAND PLATE		UPS SECTION 1		COLOUR- UPS1	-	EQUIPMENT	ABB SCHNEIDER	EARTH BAR	●	SUPPLY: CABLE	●
DOOR (PER SECTION)	●	C/W NEOPRENE GASKETS				318 SS		STRUCTURED	●	BACK		UPS SECTION 2		COLOUR- UPS2	-	FUTURE EXPANSION	30%	EARTH STUD	●	SUPPLY: BUSBAR	

UNDER

NOTES

1. KEY INTERLOCKED

2. REFER TO DRAWING SMFN-CAI-EE-DR005_00 FOR CABLE SCHEDULE



CIRCUITS	
No	DESCRIPTION
1	-
2	-
3	-
4	
5	-
6	L1 - SANSA EQUIPMENT ROOM
7	L2 - SANSA EQUIPMENT ROOM
8	L3 - SANSA LIGHTS (24HR)
9	L4 - SANSA OPERATIONS ROOM
10	L5 - SANSA OPERATIONS ROOM
11	-
12	EP1 - SANSA EQUIPMENT ROOM PLUGS
13	EP2 - SANSA OPERATIONS PLUGS
14	EP3 - SANSA OPERATIONS PLUGS
15	EP4 - SANSA OPERATIONS PLUGS
16	EP5 - SANSA OPERATIONS PLUGS
17	-
18	EP6 - SANSA OPERATIONS PLUGS
19	EP7 - SANSA OPERATIONS PLUGS
20	EP8 - SANSA OPERATIONS PLUGS
21	EP9 - SANSA OPERATIONS PLUGS
22	EP10 - SANSA OPERATIONS PLUGS
23	-
24	AC1 - SANSA OPERATIONS AC ODU-14
25	AC2 - SANSA OPERATIONS AC ODU-15
26	AC4 - SANSA OPERATIONS AC ODU-17
27	AC5 - SANSA OPERATIONS AC ODU-18
28	-
29	EF1 - SANSA EQUIPMENT RM FA FAN
30	FA1 - SANSA OPERATIONS FA FAN
31	-
32	-
33	EDP1 - ACCESS CONTROL DED. POWER
34	EDP2 - SANSA DEDICATED POWER
35	EDP3 - SANSA DEDICATED POWER
36	-
37	-
38	-
39	-
-	-

CIRCUIT NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
INSTALLATION METHOD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CIRCUIT LOAD (kVA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
No OFF CONDUCTORS/SIZE	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
EARTH SIZE mm 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

- REVISIONS -			
REV	DATE	DESCRIPTION	SIGN
TD	2024-12-11	ISSUED FOR TENDER	R.M
TD1	2025-02-10	REVISED AS PER COMMENTS	R.M

- LEGEND -	
	TRANSFORMER
	GENERATOR
	SELECTOR SWITCH
	AMMETER
	VOLTMETER
	INDICATOR LIGHT
	FUSE
	METER + CURRENT TRANSFORMERS (REQUIRES FUSES)
	DIRECT ONLINE METER
	SURGE ARRESTOR
	SINGLE PHASE CIRCUIT BREAKER
	SINGLE PHASE CIRCUIT BREAKER (D-CURVE)
	DOUBLE POLE CIRCUIT BREAKER
	DOUBLE POLE CIRCUIT BREAKER (D-CURVE)
	THREE PHASE CIRCUIT BREAKER
	THREE PHASE CIRCUIT BREAKER (D-CURVE)
	SINGLE PHASE ISOLATOR
	DOUBLE POLE ISOLATOR
	THREE PHASE ISOLATOR
	ISOLATOR EARTH LEAKAGE
	EARTH LEAKAGE WITH OVERLOAD PROTECTION
	CONTACTOR
	RELAY
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	PUSH BUTTON
	THERMOSTAT
	24hr / 7DAY PROGRAMMABLE TIMER

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
SOUTH AFRICAN NATIONAL SPACE AGENCY

APPROVED: F.L. CREATED: 2025-01-29
CHECKED: F.L. PLOT DATE: 2023-04-18
DESIGNED: F.L. SCALE: NTS
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- DRAWING DESCRIPTION -

DB-SER
(SANSA EQUIPMENT ROOM)
SINGLE LINE DIAGRAM

- DRAWING NUMBER -

PROJECT # COMPANY DISCIPLINE & TYPE SUB DISCIPLINE & NUMBER
SMFN-CAI-EE-DR-005_14

REV. TD1