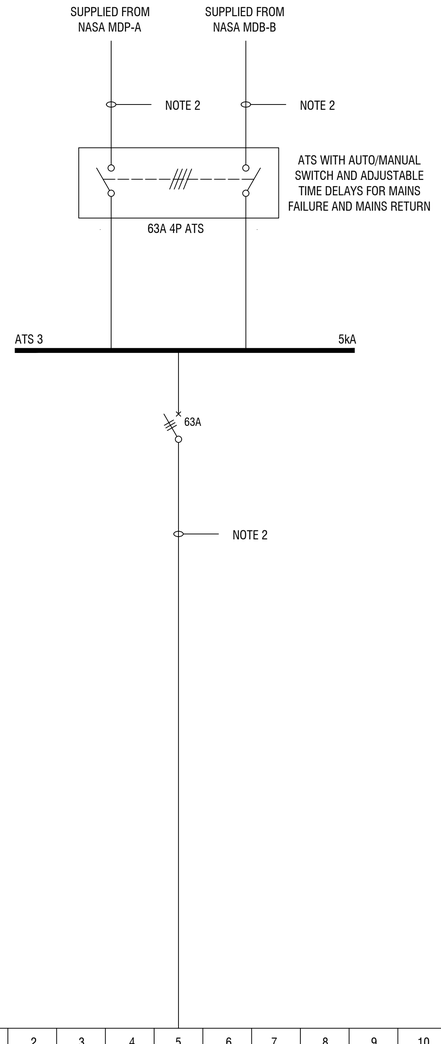
DISTRIBUTION BOARD CONSTRUCTION & ELECTRICAL SPECIFICATION

RECESSED		WEATHER PROOF		MATERIAL THICKNESS		MATERIAL TYPE		FINISH		CABLE ENTRY		SEPARATED DIVISIONS		COLOUR- MAIN	WHITE	WIDTH (max)	600	BUSBAR RATING -A	63A	FRONT ACCESS	●
HALF-RECESSED		DUST PROOF		1.2mm		ELECTRO GALVANISED	●	ETCH PRIME		TOP	●	NORMAL SECTION		COLOUR- NORMAL		HEIGHT (max)	600	FAULT LEVEL -kA	5kA	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	

FOR TENDER

NOTES

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



CIRCUITS	
No	DESCRIPTION
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5	NASA CRAC NO.1
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	-

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

CESA

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:	F.L	CREATED:	2025-01-29
CHECKED:	F.L	PLOT DATE:	2023-04-18
DESIGNED:	F.L	SCALE:	NTS
DRAWN:	S.P	FILE:	C:\USERS\SEAN\CLAASSEN AURET INCOA DRAWINGS - SANSA\DRAWINGS\ELECTRICAL\SLD\SMFN-CAI-EE-DR-005_20-ATS 3 SINGLE LINE DIAGRAM.DWG

- DRAWING DESCRIPTION -

ATS 3
SINGLE LINE DIAGRAM

- DRAWING NUMBER -

PROJECT #	COMPANY	DISCIPLINE & TYPE	SUB DISCIPLINE & NUMBER	REV
SMFN	CAI	EE	DR-005_20	TD1

A1