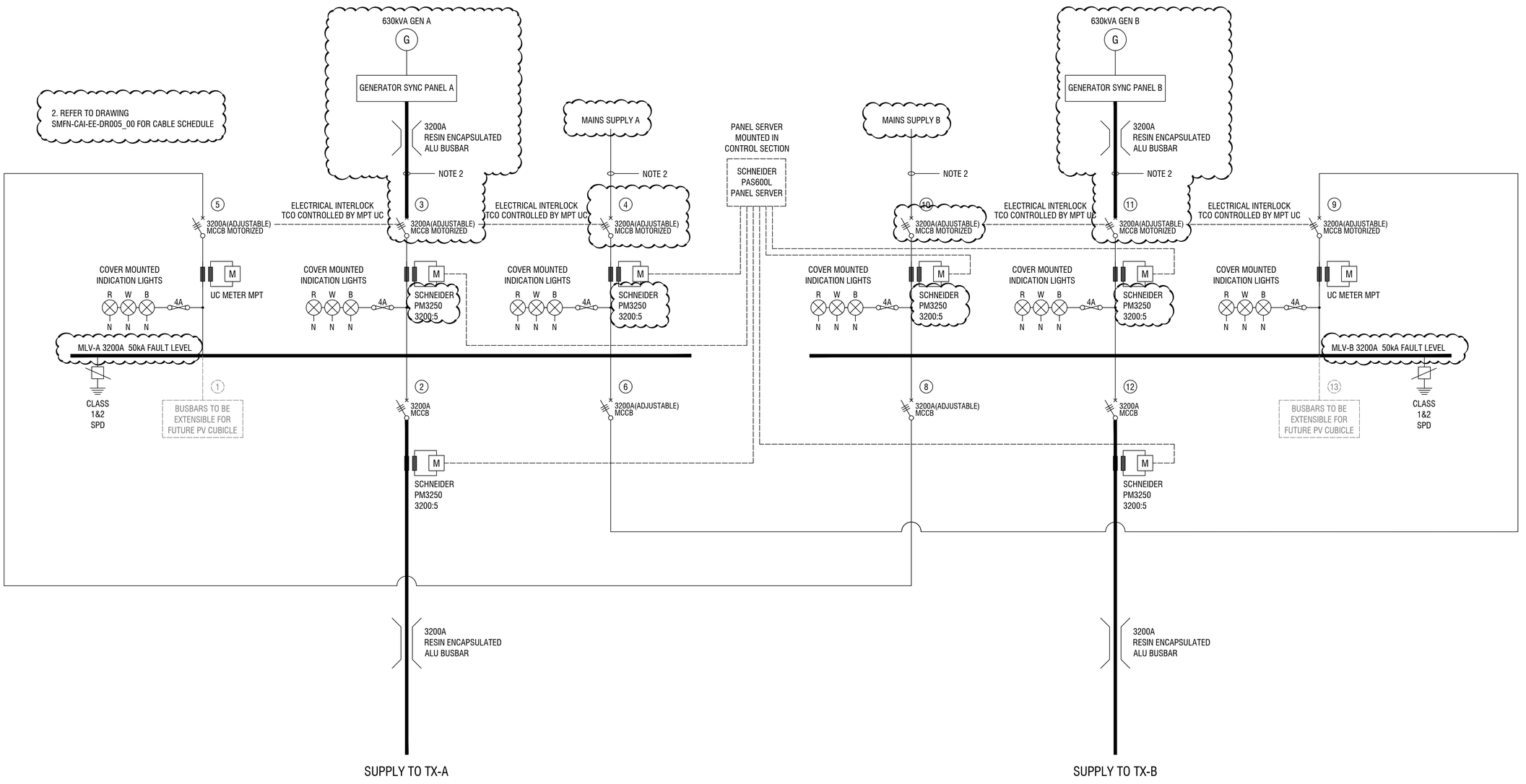
DISTRIBUTION BOARD CONSTRUCTION & ELECTRICAL SPECIFICATION

RECESSED		WEATHER PROOF		MATERIAL THICKNESS		MATERIAL TYPE		FINISH		CABLE ENTRY		SEPARATED DIVISIONS		COLOUR- MAIN	WHITE	WIDTH (max)	-	BUSBAR RATING -A	3200	FRONT ACCESS	●
HALF-RECESSED		DUST PROOF		1.2mm		ELECTRO GALVANISED	●	ETCH PRIME		TOP	●	NORMAL SECTION		COLOUR- NORMAL		HEIGHT (max)	2000	FAULT LEVEL -kA	50	REAR ACCESS	●
SURFACE		HINGED PANELS	●	1.6mm	●	3CR12		BRUSHED		BOTTOM		EMERGENCY SECTION	●	COLOUR- EMERGENCY	RED	DEPTH (max)	800	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	●



1	2	3	4	5	6	7	8	9	10	11	12	13
BUSBARS TO BE EXTENSIBLE FOR FUTURE PV CUBICLE	CUBICAL 2: SUPPLY TO TX-A	CUBICAL 3: GEN SUPPLY A	CUBICAL 4: MAINS SUPPLY A	CUBICAL 5: SUPPLY TO MLV-B (TRIPLE CHANGEOVER)	CUBICAL 5: INFEED FROM MLV-B (TRIPLE CHANGEOVER)	CUBICAL 7: CONTROL SECTION FOR TRIPLE CHANGEOVER	CUBICAL 8: INFEED FROM MLV-A (TRIPLE CHANGEOVER)	CUBICAL 9: SUPPLY TO MLV-A (TRIPLE CHANGEOVER)	CUBICAL 10: MAINS SUPPLY B	CUBICAL 11: GEN SUPPLY B	CUBICAL 2: SUPPLY TO TX-B	BUSBARS TO BE EXTENSIBLE FOR FUTURE PV CUBICLE

A1

FOR TENDER

- REVISIONS -

REV	DATE	DESCRIPTION	SIGN
A	2024-11-08	ISSUED FOR INFORMATION	R.M
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:	2025-02-11
CHECKED:	F.L	PLOT DATE:	2023-04-18
DESIGNED:	F.L	SCALE:	NTS
DRAWN:	S.P	FILE:	© CLASSEN GRAHAM AURET INC (CA GRAHAM) - DOCUMENTS LOCATED IN SMFN-CAI-EE-DR-005_01 MLV

- DRAWING DESCRIPTION -

MLV
(GENERATOR BUILDING MLV)
SINGLE LINE DIAGRAM

- DRAWING NUMBER -

PROJECT #	COMPANY	DISCIPLINE & TYPE	SUB DISCIPLINE & NUMBER	REV.
SMFN	CAI	EE	DR-005_01	TD1