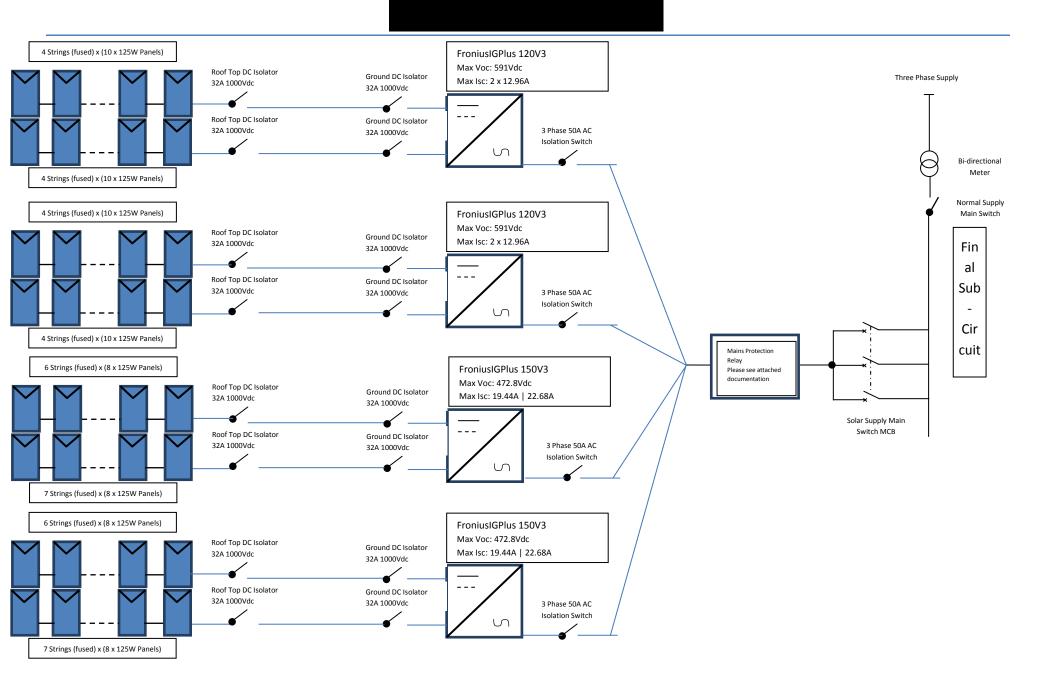
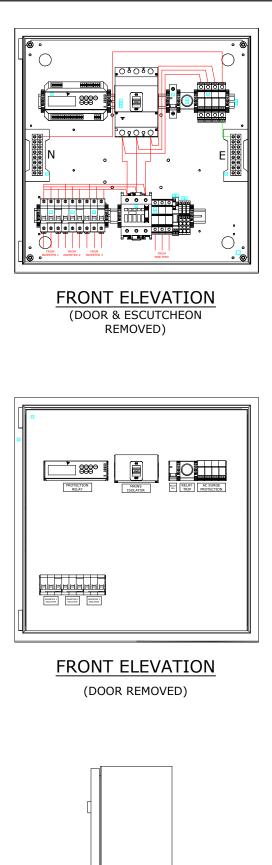
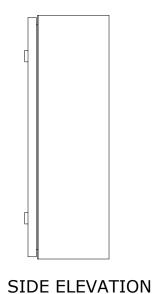
1. Technology: Solar PV

- 2. Maximum Power: 44kW
- 3. Contribution to fault levels: N/A
- 4. Size & rating of the relevant Transformer: N/A
- 5. Single line diagram: refer to following page
- 6. Protection Systems & Communication Systems: refer to following page
- 7. Voltage Control and reactive power capability: N/A8. Details specific to the location of facility: N/A

Address:









	EQUIPMENT SCHEDULE					
ITEM	QTY	DESCRIPTION	PART NUMBER			
1	1	MCCB, FEN160, 3P, 50kA, 160A LMTD TRIP UNIT	IPD - FEN36TD160JF			
2	1	MAINS DECOUPLING RELAY	MAINSPRO			
3	1	FUSE FOLDER 32A 3 POLE 690V DIN MOUNT	IPD - CMS103			
4	3	FUSE LINK 6A 500V 10*38MM 120kA FERRULE	IPD - 10G06			
5	1	2А 1Р ТҮРЕ С МСВ 6КА	IPD - G61C02			
6	1	SPD 4P CLASS 2 25kA 8/20us 5 WIRE W/FUSES	IPD - DGMTTCI275			
7	3	DISCONNECT AND TEST TERMINALS	IPD - CDS6U			
8	1	CONTACTOR 3P, 140A, AC1, NO 240VAC	IPD - CL09A311M7			
9	1	END PLATE FOR TEST TERMINALS	IPD - EPCDS6U			
10	2	350A 7 HOLE NEUTRAL LINK MAX 120mm CABLES	IPD - LT350/7			
11	1	PUSH BUTTON FLUSH GREEN 1NO CONTACT	IPD - P9XPN52002			
12	1	LONG DIN RAIL CUT & PUNCHED 428mm	IPD - E-DINRAIL-L			
13	1	FE & FD TOP HAT MOUNTING BRACKET	IPD - E-FETH			
14	4	DIN RAIL SUPPORT PILLAR 87mm x 14mm M6x6mm	IPD - E-DRSP			
15	1	600x600 ESCUTCHEON TO SUIT ENCLOSURE	IPD - E-M06PVFE-ID			
16	1	DB SHELL 600H IP65 GREY INC ESCUTCHEON	IPD - E65SHELL6G			
17	1	MOUNTING PAN FOR 600H SHELL	IPD - E-06U-MP			
18	1	TERMINAL SHIELDS FE FRAME 3P SHORT	IPD - FEJS3			
19	1	DIN RAIL ADAPTOR FOR 22MM PILOT DEVICES	IPD - P9DINRA			
20	1	RJ1S RELAY BASE. DIN RAIL MOUNT	IPD - SJ1S-CL-A240			
21	1	RELAY SLIM LINE, SPDT, 240VAC, 12A	IPD - RJ1S-CL-A240			
22	3	50А ЗР ТҮРЕ С МСВ 10КА	IPD - G103C50			

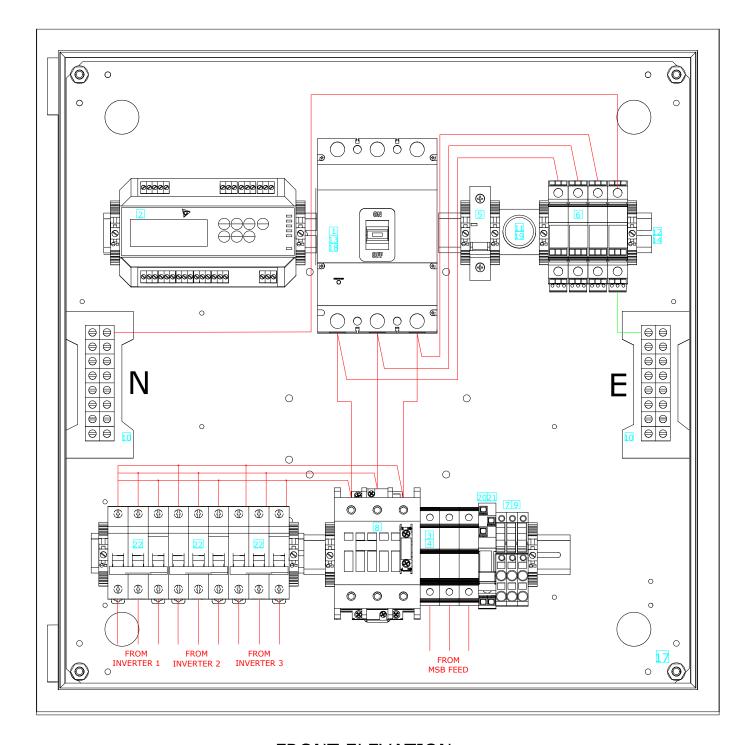
CONSTRUCTION NOTES

PAINT COLOURGREY ESCUTCHEONHINGED ON LHS CHASSISN/A ENCLOSUREPOWDER COATED MILD STEEL IP65 CABLE ENTRYREMOVABLE PLATES TOP & BOTTOM LABELSAS PER LABEL SCHEDULE

LABEL SCHEDULE

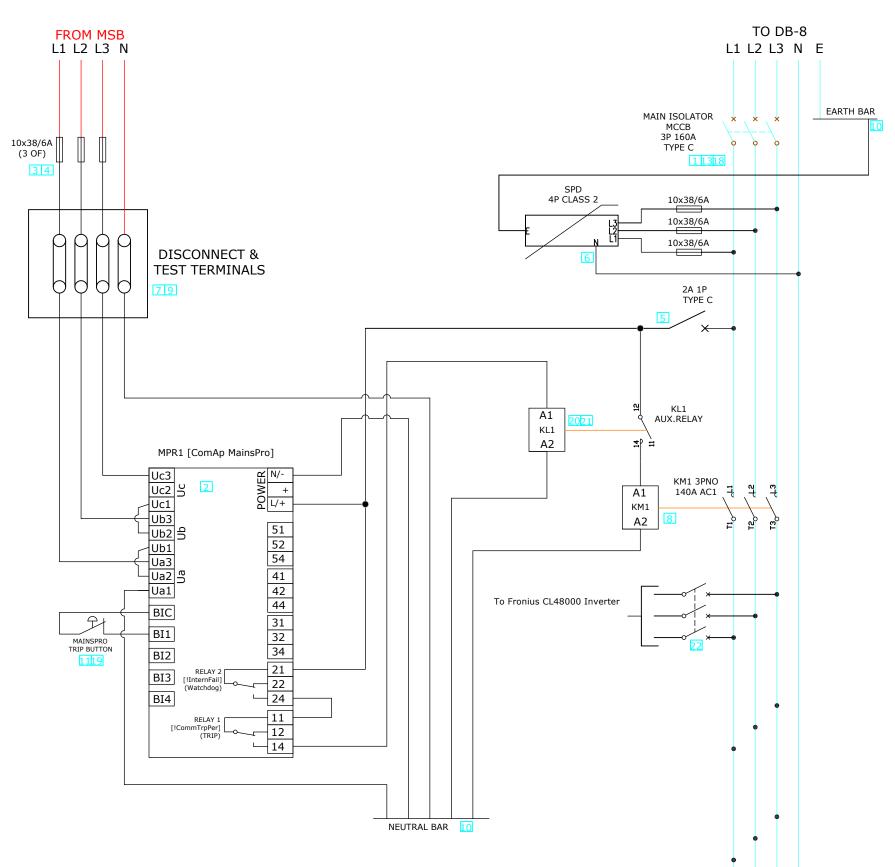
MAIN ISOLATOR"MAIN ISOLATOR" COMAP MAINSPRO"PROTECTION RELAY" 2A C/B"RELAY ISO." GREEN PUSHBUTTON"RELAY TRIP" AC SPD"AC SURGE PROTECTION" INVERTER ISOLATORS"INVERTER 1 ISOLATOR"...

Rev	Date	Comn	nents			Dwn	Chkd
ACCO	- IRING, COM	IPONENTS AF TH AS/NZS 3	ND EARTHI 000 & 503	NG MUST E 3:2012 ANI	BE INSTA D ALL TH	LLED IN	ENT CEO
		RUNS ARE II SONDING AR				H CABLE	S USED
DC LO	SSES BETW	EEN INVERTI EEN ARRAYS TO BE <3%P			IN STR	ING CAB	LES]
REQUI	IRED AND E	ARE OVER 6 ESS REQUIRE NSURE ALL V COMPETENT	IRING AN	D SYSTEM	COMPON	LY WITH N DOOR IENTS C/	I S IF AN ONLY
		TRAYS AND					
PRO	JECT NAME:						
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CLIE	NT'S NAME: Address		TEW	ARD		Date	
CLIEF Project Sheet Draw	T'S NAME: Address Title SOLAR GENERA	AL OVERV	'IEW	Thecked		Date	



FRONT ELEVATION (DOOR & ESCUTCHEON REMOVED)

Dave Data	0	4				01.1.1
Rev Date	Comme	ents			Dwn	Chkd
NOTES: ALL WIRING, CO ACCORDANCE W REQUIREMENTS						
EARTHING CABLI					TH CABLE	S USED
AC LOSSES BETV DC LOSSES BETV AND INVERTERS	VEEN ARRAYS TO BE <3%P	[INCLUD	ING LOSS	ES IN ST		
NOTE - VOLTAGE RESTRICTED ACC REQUIRED AND B BE ACCESSED BY	ENSURE ALL WI	IRING A	ND SYSTEM	4 COMPO	PLY WITH ON DOOR NENTS C/	S IF An only
CONDUITS, CABI ALLOW FOR HEA	E TRAYS AND A	ALL CAB AS WELL	LE MANAG	EMENT S DAMAG	YSTEMS I E TO CAB	4UST LES
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PROJECT NAME	:					
CLIENT'S NAME	:					
Project Address						
Choot Title						
	PROTECTI .ED VIEW	ON BO	DARD			
Drawn	Date		Checked		Date	
Status	1				Scale	
Drawing No.						Revision
						0



ANSI	DEVICE SCHEDULE - ALL TBC BY DNSP	
No.	DESCRIPTION	VALUE
27	UNDER VOLTAGE	208V-2.0 SEC
59	OVER VOLTAGE	257V-2.0 SEC
810	OVER FREQUENCY	52Hz-2.0SEC
81U	UNDER FREQUENCY	48Hz-2.0 SEC
81RF	ROCOF	1Hz/s
78	VECTOR SHIFT	8°-2.0 SEC
	DISCONNECT TIME	2 SEC
	AUTO RE-CONNECT TIME	60 SEC

TRIPPING / RECONNECT ARRANGEMENTS:

THE RELAY MUST ISOLATE THE PV SYSTEM FROM THE REST OF THE ELECTRICAL INSTALLATION IN CASE OF GRID FAILURE AND SUB-STANDARD GRID PARAMETERS [UN-HEALTHY GRID].

THE RELAY MUST ALSO ISOLATE THE PV INSTALLATION IN CASE THE RELAY LOSES POWER SUPPLY OR WHEN THERE IS A PROBLEM WITH THE RELAY. INCLUDE 9VDC UNDERVOLTAGE COIL.

WHEN A TRIP IS INITIATED OR THE RELAY IS NOT HEALTHY (LOST POWER OR MALFUNCTION) THE RELAY(S) MUST OPEN, DISCONNECTING THE SOLAR SUPPLY

Rev	Date	Comments		Dwn	С
PROJE	CT NAME:				
CLIENT	'S NAME:				
Project A	ddress				
Sheet T	tle				
9	Solar PF	ROTECTION	BOARD		
9	Solar PF	TIC		ē. :	
9	Solar PF		BOARD	Date	