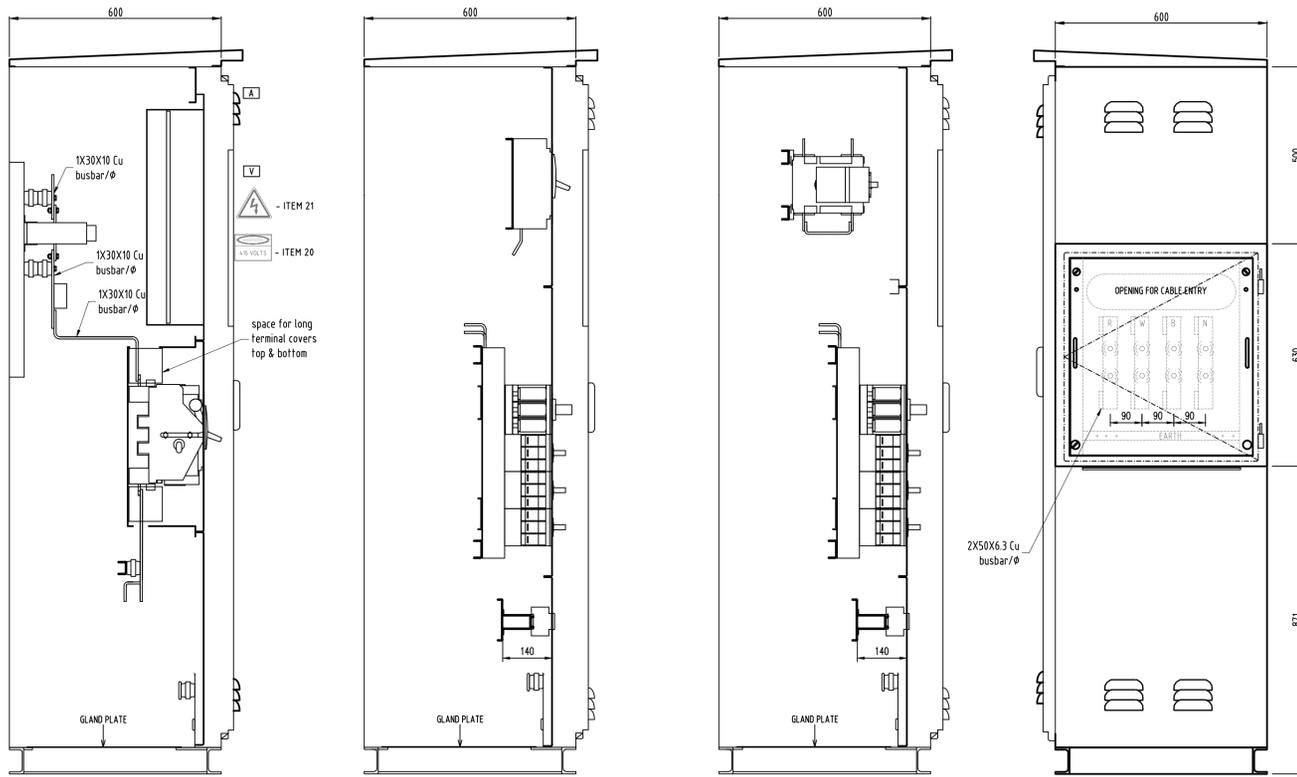


ELEVATION
(DOOR NOT SHOWN)
SITE MAIN SWITCHBOARD

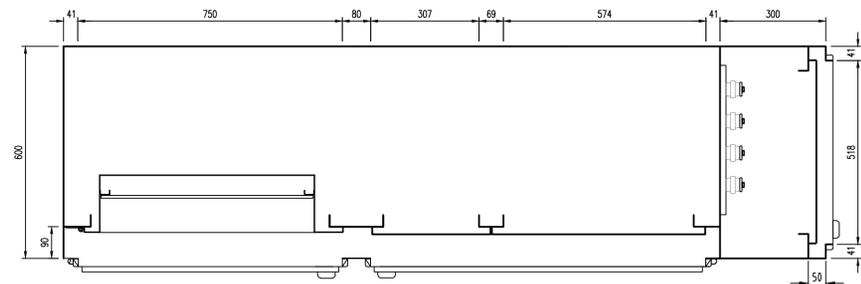


SECTION A-A

SECTION B-B

SECTION C-C

RHS ENDED VIEW



SECTION D-D

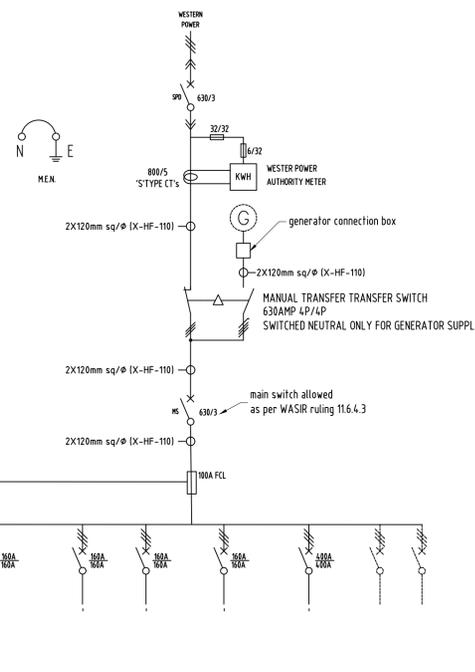
LABELLING SPECIFICATION

All labels engraved on TRAFOLYTE material with black lettering on a white background. Labels mounted with BIOLINK high adhesive double sided tape.

Font size:
Internal labels 5mm high.
External & Main labels 10mm high.

LABELS

- A SITE MAIN SWITCHBOARD
- B SERVICE PROTECTION DEVICE (8mm)
- C 'T' TYPE CT's BEHIND
- D M.E.N LINK BEHIND
- E M.E.N LINK
- F -
- G -
- H -
- I -
- J -
- K MAIN SWITCH (6mm)
- L FAULT CURRENT LIMITER
- M SURGE DIVERTER BACKUP FUSES
- N SURGE DIVERTER
- O WARNING- LIVE BUSBARS BEHIND. ISOLATE ELSEWHERE BEFORE REMOVING COVER. (T OFF)
- V MANUFACTURER COMPLIANCE AS61439.1
- Y FAULT LEVEL 25KA
- Z CONSTRUCTION FORM 3B & 3bh
- AA PROTECTION IP56
- AB RATING 630AMPS 415V 50Hz
- AC SUPPLIED FROM WESTERN POWER
- AD INCOMING CABLE SIZE 4 X 1C -mm² Cu XLPE/PVC
- AE JOB No. 1310
- AF DATE OF MANUFACTURE AUGUST 2024
- AG MANUAL TRANSFER SWITCH (5mm)
- AH GENERATOR CONNECTION JUNCTION BOX (8mm)
- AI WESTERN POWER SUPPLY
- AJ GENERATOR SUPPLY
- AK OFF



- MECHANICAL SEGREGATION WITH PERFORATION FOR HEAT FLOW
- BUSBAR SUPPORTS ALLOWED MINIMUM @ 450mm INTERVAL TO MAINTAIN 25KA FAULT LEVEL
- BUSBAR CROSS SECTIONAL AREA MINIMUM 600mm SQ TO MAINTAIN 25KA FAULT LEVEL
- RATED VOLTAGE 690V
- IMPULSE VOLTAGE 6kV
- DELECTRICS THERMAL STABILITY

SWITCHBOARD AS61439.1 DESIGN VERIFICATION COMPLIANCE		
SHORT CIRCUIT WITHSTAND STRENGTH VERIFICATION: 25KA IS BASED ON RAY BROOKES SWITCHBOARD DESIGN "RB TTA" 1600AMPS TESTED AT TÜV RHEINLAND AUSTRALIA TESTING FACILITY IN MELBOURNE 2022		
TESTING	TEST REPORT No.	RESULT
SHORT CIRCUIT WITHSTAND STRENGTH VERIFICATION 25KA	AU22VES001	PASS
DELECTRICS PROPERTIES	AU23EVL001	PASS
TEMPERATURE RISE	AU22SFR001	PASS
EARTH CONTINUITY TESTING	AU23ZDY001	PASS

CUBICLE CONSTRUCTION	
CUBICLE	OUTDOOR TYPE FREE STANDING CONSTRUCTED FROM 3MM 5005H34 MARINE GRADE ALUMINIUM SHEET
VENTILLATION	WEATHERPROOF AND INSECT PROOF VENTILLATION LOUVRES
DOOR	LIFT HINGED DOORS CONSTRUCTED FROM 3MM ALUMINIUM SHEET WITH THREE POINT LOCKING AND RUBBER SEALS
DOOR STAY	ONE PER DOOR
ESCUTCHEONS	CONSTRUCTED FROM 2MM ALUMINIUM SHEET, FITTED WITH 'D' HANDLES, LOCATING PINS AND KNURLED THUMB SCREWS
BASE	75 X 40MM FOUR SIDED GALVANISED CHANNEL AND PVC GASKET
HANDLES	CHROME SWING HANDLE WITH INTEGRAL HALF EURO CYLINDER LOCK KEYED TO WESTERN POWER
CABLE ENTRY	BOTTOM
MAINS	BOTTOM
CARD HOLDER	ONE
FINISH	CUBICLE: POWDER COATED COLOUR TBA INTERNAL: NATURAL

IP RATING	IP56
FAULT LEVEL	25KA
FORM	FORM 3bh

ITEM	DESCRIPTION	QTY	OK		
3	SWING HANDLE WITH HALF EURO CYLINDER KEYED TO WESTERN POWER	3			
36					
35					
34					
33					
32					
31					
30					
29					
28					
27	IPD FUSE SIZE 00- 160A NH000-100	3			
26	IPD FUSE BASE SIZE 00 KETO-00-3/F	1			
25	SCHNEIDER NSX160B TM160/3 MCCB C16B3TM160	4			
24	SCHNEIDER NMC CHASSIS 1250A DOUBLE SIDED NMC1214	1			
23	TRANSTEC SURGE DIVERTER TUP-09108-3-5M FUSES	1			
22	HEINEMANN RISK OF ELECTROC SHOCK LABEL 310602P02	2			
21	HEINEMANN 415V DANGER LABEL 3106602P005	2			
20	SCHNEIDER TERMINAL ADAPTOR LV432584	2			
19	SCHNEIDER CHASSIS SIDE PLATES FOR BREAKER LV432533	1			
18	SCHNEIDER CHASSIS SIDE PLATES FOR BASE LV432532	1			
17	SCHNEIDER BASE UNIT NSX400/630 3P LV432538	1			
16	SCHNEIDER SHORT TERMINAL SHIELD 3P (1 PIECE) LV432591	1			
15	SCHNEIDER LONG TERMINAL SHIELD 3P LV429517	4			
14	IPD FUSE LINK TYPE 14G X 50A 14G50	3			
13	IPD DIN 14G FUSE HOLDER CMS 141	3			
12	SCHNEIDER SHORT TERMINAL COVER LV429515	4			
11	IPD FUSE CARTRIDGE NS6	3			
10	IPD FUSE SC32H	3			
9	NU-PHASE METER PANEL 41RF005	1			
8	NU-PHASE FOOT PANEL 41RF006	1			
7	IPD TEST BLOCK KWH1001	1			
6	IPD 'T' TYPE CURRENT TRANSFORMER TCT800	3			
5	IPD FUSE CARTRIDGE NS32	3			
4	IPD FUSE SC32HA	3			
3	SCHNEIDER LONG TERMINAL SHIELD 3P (1 PIECE) LV432593	1			
2	SCHNEIDER NSX400F M/L 23 3P 160-400A C40F32D400	1			
1	SCHNEIDER NSX630F M/L 23 3P 630A C63B32D630	2			
Item	Make	Description	Part No.	Qty	OK

Rev	Revision	Date
0	ISSUED FOR APPROVAL	20.03.24
CLIENT: WALKER ELECTRICAL		
PROJECT: MERREDIN RECREATION GROUND SITE MAIN SWITCHBOARD LAYOUT & DETAILS		
RAY BROOKES PTY.LTD SWITCHBOARD MANUFACTURERS		
51 EDWARD STREET OSBORNE PARK WESTERN AUSTRALIA 6017 tel (08) 9444 9066 fax (08) 9242 2109		
Drawn	RT	Job No. 1310
Date	25.03.24	Rev 0
Scale	1:10	Sheet 1 of 1