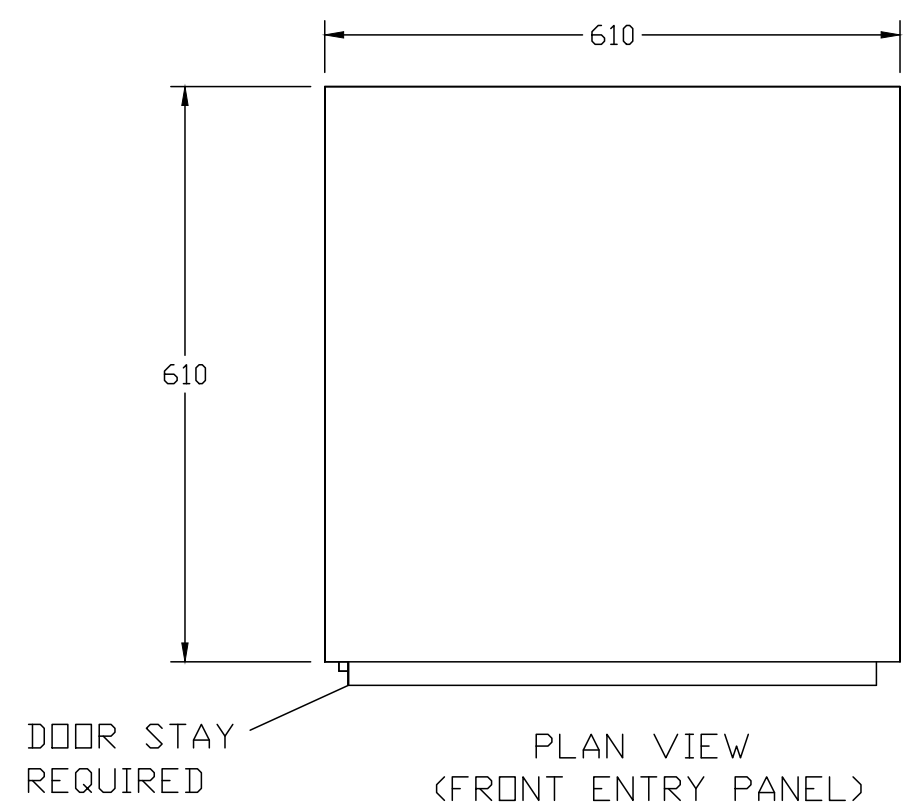
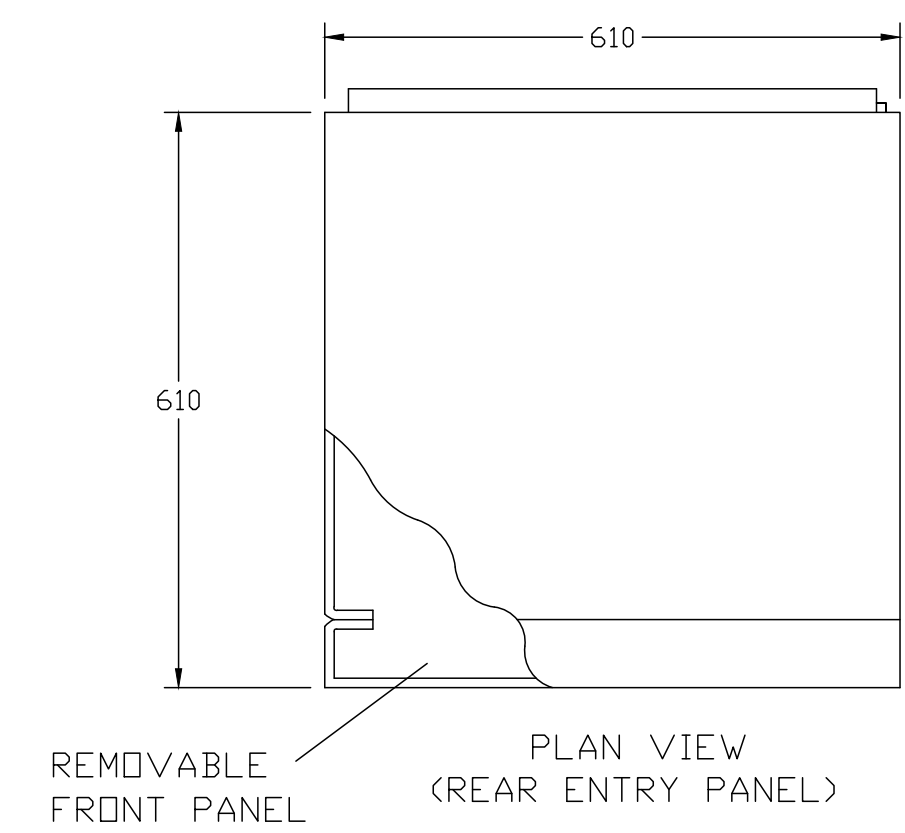
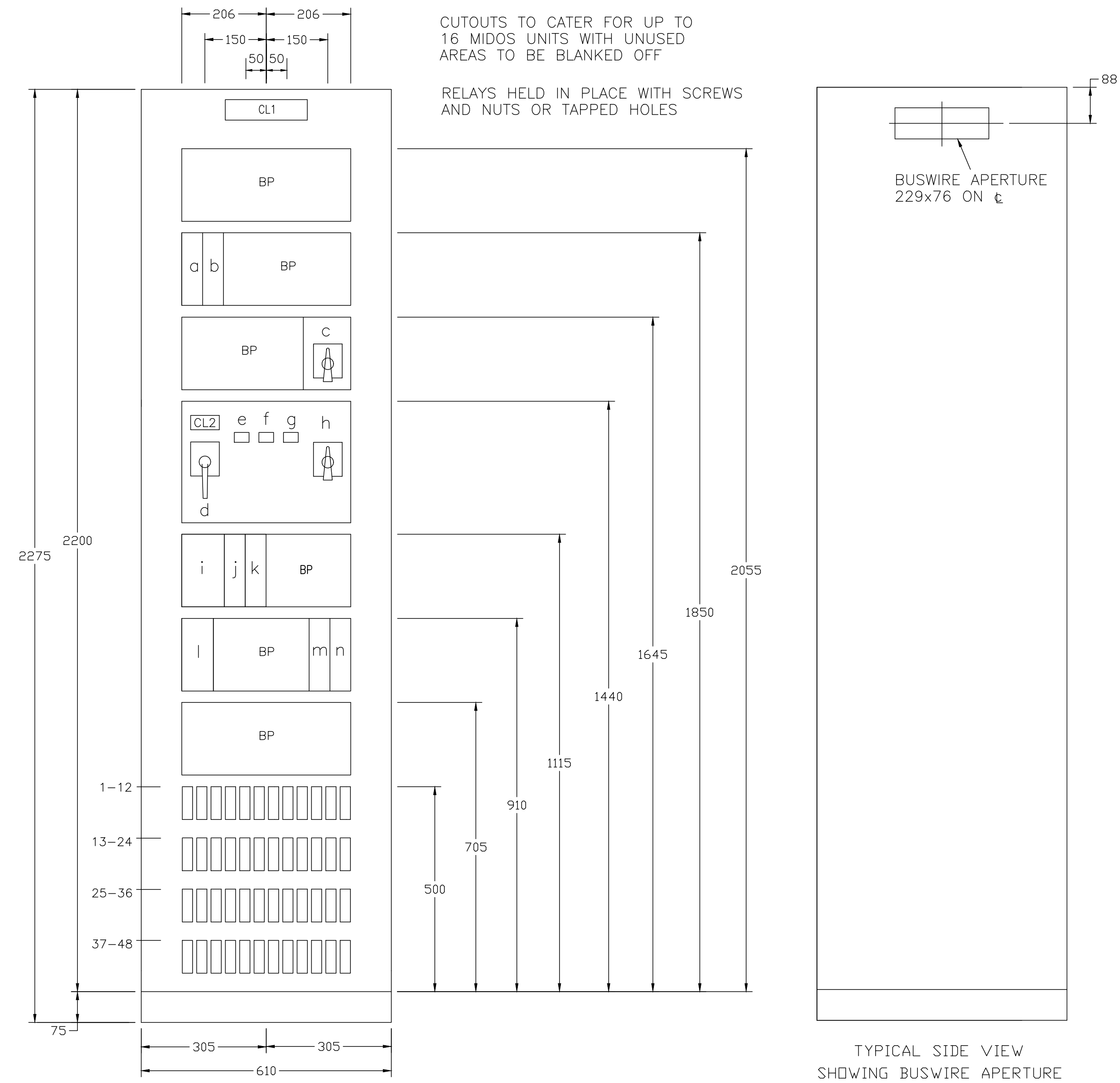
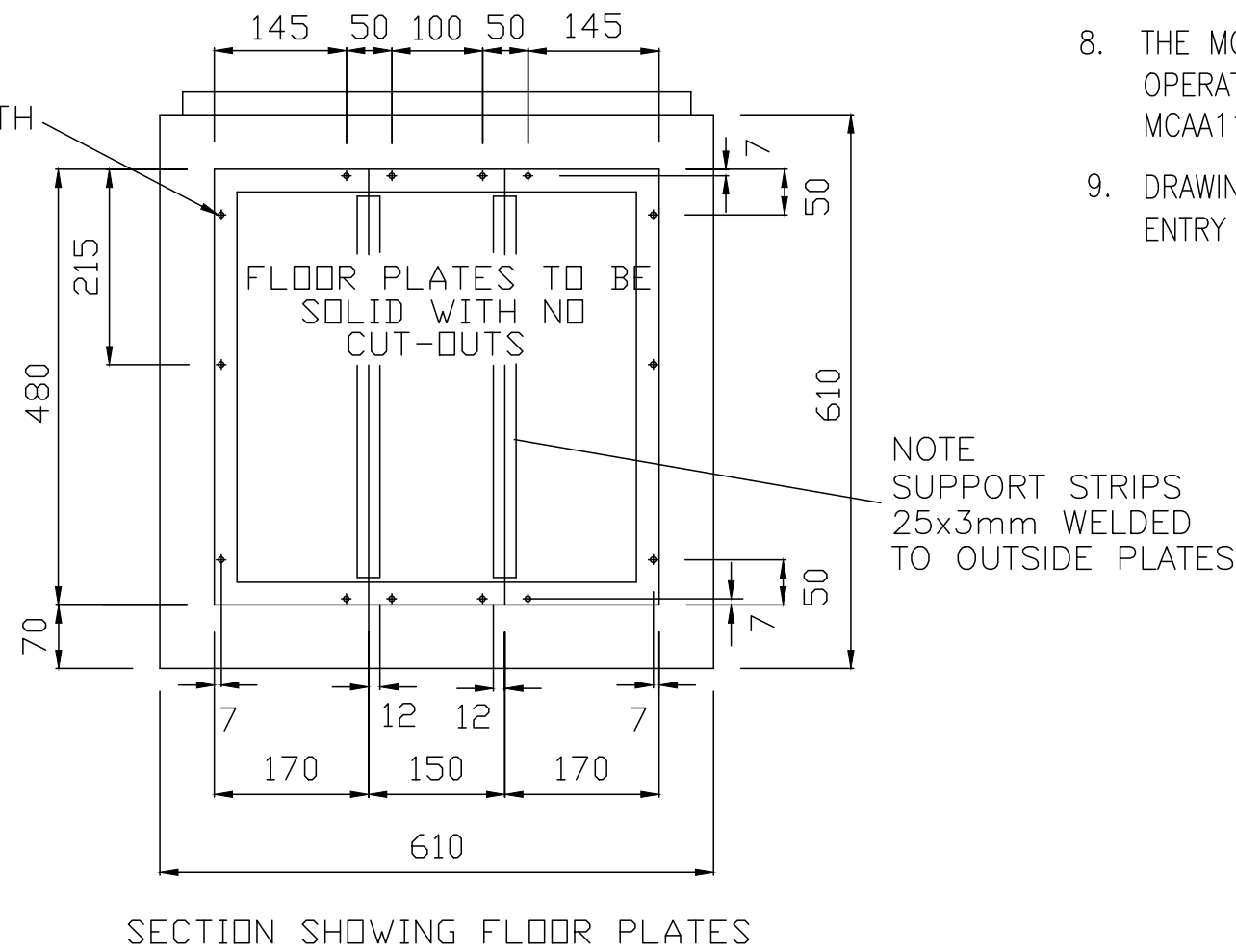




14 OFF 7mm DIA CLEAR HOLES IN PLATES TAP M6 IN PLINTH

FLOOR FIXINGS
1 x 13mm CENTRAL HOLE AT PANEL FRONT
2 x 13mm HOLES AT PANEL REAR
100mm FROM SIDES



REFERENCE TO EQUIPMENT

REF	DESCRIPTION	CASE SIZE	
a	CB SF6 GAS PRESSURE LOW & LOCKOUT ALARM INDICATION RELAY ALSTOM MVA21 R1BA0755 (2M, 2B)	M2	IF REQUIRED
b	SPARE & SPRING CHARGE FAIL ALARM INDICATION RELAY ALSTOM MVA21 R1BA0755 (2M, 2B)	M2	IF REQUIRED
c	AC/DC INDICATION SELECTOR SWITCH (OFF/AC/DC) CRAIG & DERRICOTT RD3234/3/NC/M/LHD (40 AMP)		
d	CB CONTROL SWITCH – PISTOL GRIP (TRIP/NORMAL/CLOSE) CRAIG & DERRICOTT RD3223/SR/NC/A LHD		
e	CB OPEN INDICATION LAMP (GREEN) EAO (REF IL3, APPENDIX C, EE SPEC 136)		
f	CB CLOSED INDICATION LAMP (RED) EAO (REF IL2, APPENDIX C, EE SPEC 136)		
g	CB SPRINGS CHARGED INDICATION LAMP (BLUE) EAO (REF IL4, APPENDIX C, EE SPEC 136)		IF REQUIRED
h	REMOTE/SUPERVISORY SELECTOR SWITCH (REM/SUP) CRAIG & DERRICOTT RY3262/2/NC/M LHD		
i	DIRECTIONAL OC & EF RELAY WITH 3HSOC, 3DOCIT, DEIT, 3OCIT & EIT ALSTOM AGILE P14DL11C4C0550A	30TE	
j	TEST TERMINAL BLOCK TTb1 FOR AGILE P14DL RELAY ALSTOM MMLG02	M2	
k	TEST TERMINAL BLOCK TTb2 FOR MULTIFUNCTION TRANSDUCER ALSTOM MMLG02	M2	
l	TRIP CIRCUIT SUPERVISION RELAY ALSTOM TYPE MVAX31C1DE0754A	M3	
m	TIME DELAY RESET TRIP RELAY ALSTOM MVAJ102 RA0802 (8M, 2B)	M2	
n	CUSTOMER TRIP RECEIVE INDICATION RELAY ALSTOM MCAA	M2	(SEE NOTE 8)
	AMPERE/VOLTAGE/WATT/VAR MULTIFUNCTION TRANSDUCER GE GRID SOLUTIONS ISMTX2H1NCLLLRX	INTERNAL	
	CB CLOSE TELECONTROL RELAY ARTECHE RD-2SYDI 48V DC (SOCKET DN DE IP10)	INTERNAL	
	CB OPEN TELECONTROL RELAY ARTECHE RD-2SYDI 48V DC (SOCKET DN DE IP10)	INTERNAL	
	AC/DC INDICATION AUXILIARY RELAY (110V AC CONTINUOUS RATING) ARTECHE RF-4SY 110V AC OP00001 (SOCKET FN DE IP10)	INTERNAL	
	240/110V AC TRANSFORMER WALSAL 500VA 6A	INTERNAL	
	RESISTORS FOR TRIP CIRCUIT SUPERVISION	INTERNAL	

NOTES

- PANEL & DOOR TO BE CONSTRUCTED FROM 3mm SHEET STEEL FOLDED AND WELDED.
- PAINT FINISH TO BE:
EXTERNAL – LIGHT ADMIRALY GREY TO BS 381C SHADE 697 SEMI GLOSS
INTERNAL – SEMI-GLOSS WHITE
- EARTHING FIXTURE NEEDED ON DOOR
- ALL DIMENSIONS IN mm
- HOLES IN BOTH SIDES FOR JOINING TO SUITES
- ALL LABELS TO BE IN WHITE TRAFFOLYTE WITH BLACK WRITING
- DOORS TO BE SECURED WITH LOCKABLE CHROME TEE HANDLES
- THE MCAA RELAY SHOULD BE SELECTED TO ENSURE CORRECT OPERATION WITH THE CB TRIP COIL/ACTUATOR. AN APPROPRIATE MCAA11 OR MCAA12 (S/R CONTACTS) MAY BE USED.
- DRAWING SHOWS REAR ENTRY PANEL WIDTH OF 610mm. FOR FRONT ENTRY PANELS 650mm WIDTH IS REQUIRED

FUSE & LINK TABLE

REF	INSCRIPTION	FUSE	LINK
FS1	TRIP & CLOSE SUPPLY +VE 110V DC	16A	
LK2	TRIP & CLOSE SUPPLY –VE 110V DC		LINK
FS3	CLOSING 110V DC	6A	
4			
LK5	PROTECTION TRIP ISOLATION 110V DC		LINK
LK6	OC & EF TRIP ISOLATION 110V DC		LINK
7			
LK8	CUSTOMER INTERTRIP SEND ISOLATION 110V DC		LINK
LK9	CUSTOMER INTERTRIP SEND ISOLATION 110V DC		LINK
LK10	CUSTOMER INTERTRIP RECEIVE ISOLATION 110V DC		LINK
LK11	CUSTOMER INTERTRIP RECEIVE ISOLATION 110V DC		LINK
12			
LK13	WPD INTERTRIP RECEIVE ISOLATION 110V DC		LINK
LK14	WPD INTERTRIP RECEIVE ISOLATION 110V DC		LINK
LK15	CUSTOMER DISCONNECTOR INTERLOCK ISOLATION 110V DC		LINK
LK16	CUSTOMER DISCONNECTOR INTERLOCK ISOLATION 110V DC		LINK
LK17	DOC PROTECTION VT SUPPLY ISOLATION (L1) 110V AC		LINK
LK18	DOC PROTECTION VT SUPPLY ISOLATION (L2) 110V AC		LINK
LK19	DOC PROTECTION VT SUPPLY ISOLATION (L3) 110V AC		LINK
LK20	DOC PROTECTION VT SUPPLY ISOLATION (N) 110V AC		LINK
FS21	TRANSUCER VT SUPPLY (L1) 110V AC	2A	
FS22	TRANSUCER VT SUPPLY (L2) 110V AC	2A	
FS23	TRANSUCER VT SUPPLY (L3) 110V AC	2A	
LK24	TRANSUCER VT SUPPLY (N) 110V AC		LINK
25			
26			
27			
28			
LK29	VOLTAGE CONSTRAINT VT SUPPLY ISOLATION (L1) 110V AC		LINK
LK30	VOLTAGE CONSTRAINT VT SUPPLY ISOLATION (L2) 110V AC		LINK
LK31	VOLTAGE CONSTRAINT VT SUPPLY ISOLATION (L3) 110V AC		LINK
32			
FS33	COMMON ALARMS SUPPLY +VE 110V DC	2A	
LK34	COMMON ALARMS SUPPLY –VE 110V DC		LINK
FS35	INDICATION AC/DC SUPPLY 110V AC/DC	2A	
LK36	INDICATION AC/DC SUPPLY 110V AC/DC		LINK
FS37	TRANSUCER AUXILIARY SUPPLY +VE 110V DC	2A	
LK38	TRANSUCER AUXILIARY SUPPLY –VE 110V DC		LINK
FS39	110V DC INDICATION SUPPLY +VE 110V DC	2A	
LK40	110V DC INDICATION SUPPLY –VE 110V DC		LINK
FS41	SWITCHED INDICATION BUSWIRE SUPPLY 110V AC/DC	2A	
FS42	SWITCHED INDICATION BUSWIRE SUPPLY 110V AC/DC	2A	
FS43	240/110V AC AUX TRANSFORMER SUPPLY PH 240V AC	4A	
LK44	240/110V AC AUX TRANSFORMER SUPPLY N 240V AC		LINK
FS45	AC INDICATION SUPPLY 110V AC	4A	
FS46	AC INDICATION SUPPLY 110V AC	4A	
FS47	CUBICLE ILLUMINATION SUPPLY PH 240V AC	2A	
LK48	CUBICLE ILLUMINATION SUPPLY N 240V AC		LINK

FUSE & LINK LABELLING TO BE RED LETTERING ON WHITE BACKGROUND TO DENOTE TRIPPING TO OTHER PANELS.

BP – BLANKING PLATE

CL1 – TO BE FITTED FRONT AND BACK

110
CIRCUIT NAME

CL2 –

110

PANEL TO BE FRONT ENTRY (650mm) / REAR ENTRY (610mm)
(DELETE AS APPLICABLE)
(PANEL FRONT LAYOUT ALLOWS FOR BOTH REAR ENTRY AND FRONT OPENING HINGED DOOR)

11	CM			25/08/20	AGILE P14DB11 CHANGED TO AGILE P14DL11	ORIGINAL ISSUE	Date
10	CM			29/10/18	AGILE P14DZ21 CHANGED TO AGILE P14DB11	Drawn	CM 3/5/12
9	CM			20/4/18	LK15 & LK16 ADDED	Checked	
8	CM			8/2/18	MODS FOLLOWING PROTECTION REVIEW	Approved	
7	CM			23/6/16	MODS TO STANDARDISE WITH SPC36M2 PROTECTION	SCALE:	
Rev No	Drawn	Chk'd	App'd	Date	Revision		

WESTERN POWER DISTRIBUTION Design Department. Avonbank, Feeder Road, Bristol BS2 0TB Tel: 0117 933 2000 Fax: 0117 933 2001.		WESTERN POWER DISTRIBUTION	
Title GENERAL ARRANGEMENT OF CONTROL/RELAY PANEL FOR 145kV FREE STANDING METERING CIRCUIT BREAKER		Org. No. SPC145M1–GA	Rev No. 11