NOTES:

1. MANUFACTURE TO PROVIDE INTERNAL PANEL WIRINGS OR INTERPANEL WIRINGS AS REQUIRED.

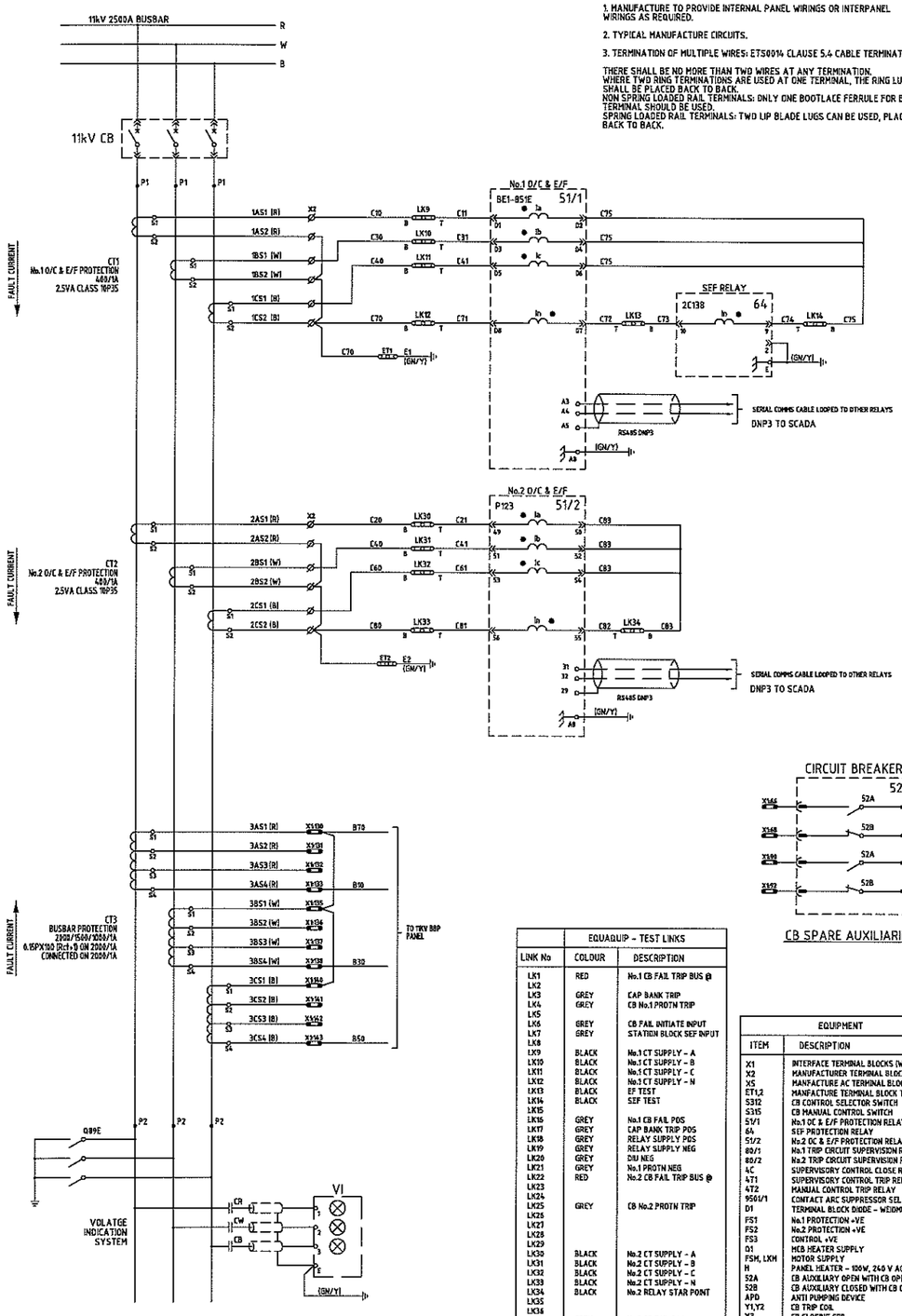
2. TYPICAL MANUFACTURE CIRCUITS.

3. TERMINATION OF MULTIPLE WIRES: ETS0014 CLAUSE 5.4 CABLE TERMINATION:

THERE SHALL BE NO MORE THAN TWO WIRES AT ANY TERMINATION.
WHERE TWO RING TERMINATIONS ARE USED AT ONE TERMINAL, THE RING LUGS SHALL BE PLACED BACK TO BACK.
NON SPRING LOADED RAIL TERMINALS: ONLY ONE BOOTLACE FERRULE FOR EACH TERMINAL SHOULD BE USED.
SPRING LOADED RAIL TERMINALS: TWO LIP BLADE LUGS CAN BE USED, PLACED BACK TO BACK.

TABLE 1

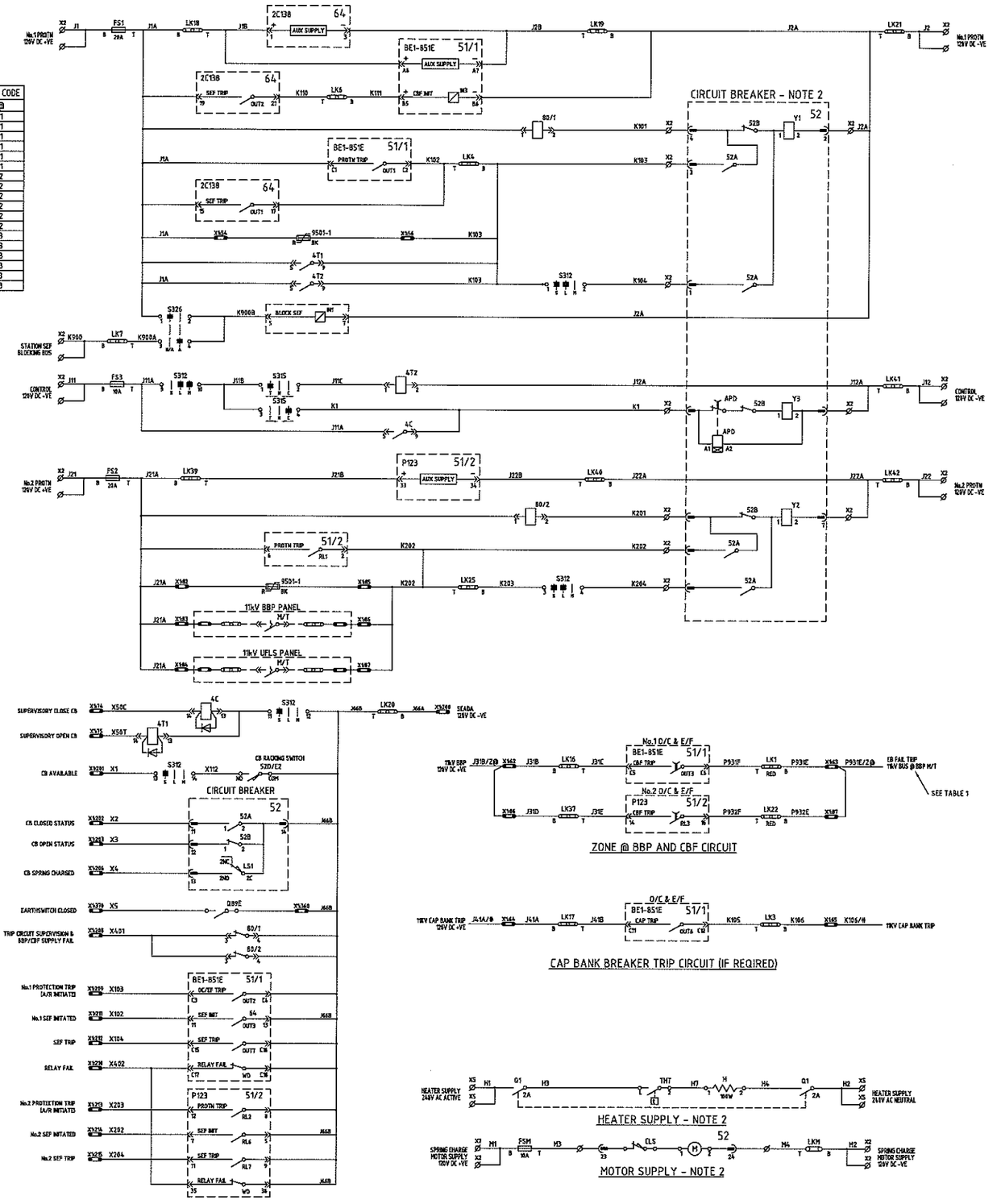
PANEL NO.	WIRE CODE @
1	1
2	1
3	1
4	1
6	1
7	1
9	2
10	2
11	2
13	2
14	2
15	2
17	3
18	3
20	3
21	3
22	3
23	3



CB SPARE AUXILIARIES

	EQUAQUIP - TEST LINKS	
LINK No	COLOUR	DESCRIPTION
LK1	RED	No.1 CB FAIL TRIP BUS @
LK2		
LK3	GREY	CAP BANK TRIP
LK4	GREY	CB No.1 PROTN TRIP
LK5		
LK6	GREY	CB FAIL INITIATE INPUT
LK7	GREY	STATION BLOCK SEF INPUT
LK8		
LK9	BLACK	No.1 CT SUPPLY - A
LK10	BLACK	No.1 CT SUPPLY - B
LK11	BLACK	No.1 CT SUPPLY - C
LK12	BLACK	No.1 CT SUPPLY - N
LK13	BLACK	EF TEST
LK14	BLACK	SEF TEST
LK15		
LK16	GREY	No.1 CB FAIL POS
LK17	GREY	CAP BANK TRIP POS
LK18	GREY	RELAY SUPPLY POS
LK19	GREY	RELAY SUPPLY NEG
LK20	GREY	DIU NEG
LK21	GREY	No.1 PROTN NEG
LK22	RED	No.2 CB FAIL TRIP BUS @
LK23		
LK24		
LK25	GREY	CB No.2 PROTN TRIP
LK26		
LK27		
LK28		
LK29		
LK30	BLACK	No.2 CT SUPPLY - A
LK31	BLACK	No.2 CT SUPPLY - B
LK32	BLACK	No.2 CT SUPPLY - C
LK33	BLACK	No.2 CT SUPPLY - N
LK34	BLACK	No.2 RELAY STAR PONT
LK35		
LK36		
LK37	GREY	No.2 CB FAIL POS
LK38		
LK39	GREY	RELAY SUPPLY POS
LK40	GREY	RELAY SUPPLY NEG
LK41	GREY	CONTROL NEG
LK42	GREY	No.2 PROTN NEG

	EQUIPMENT
ITEM	DESCRIPTION
X1	INTERFACE TERMINAL BLOCKS (WD06, WD06-SL)
X2	MANUFACTURER TERMINAL BLOCKS (WD16, WD06-SL)
X5	MANFACTURE AC TERMINAL BLOCKS (WD05)
ET1,2	MANFACTURE TERMINAL BLOCK TEST LINK (WTL6-SL)
S312	CB CONTROL SELECTOR SWITCH
S315	CB MANUAL CONTROL SWITCH
51/1	No.1 OC & E/F PROTECTION RELAY
64	SEF PROTECTION RELAY
51/2	No.2 OC & E/F PROTECTION RELAY
80/1	No.1 TRIP CIRCUIT SUPERVISION RELAY RMS 1x20
80/2	No.2 TRIP CIRCUIT SUPERVISION RELAY RMS 1x20
4C	SUPERVISORY CONTROL CLOSE RELAY
4T1	SUPERVISORY CONTROL TRIP RELAY
4T2	MANUAL CONTROL TRIP RELAY
9501/1	CONTACT ARC SUPPRESSOR SEL 9501
D1	TERMINAL BLOCK DIODE - WEIDMULLER DK4D/3S
FS1	No.1 PROTECTION +VE
FS2	No.2 PROTECTION +VE
FS3	CONTROL +VE
Q1	MCB HEATER SUPPLY
FSM, LKM	MOTOR SUPPLY
H	PANEL HEATER - 100W, 240 V AC, 50Hz
52A	CB AUXILIARY OPEN WITH CB OPEN
52B	CB AUXILIARY CLOSED WITH CB OPEN
APD	ANTI PUMPING DEVICE
Y1,Y2	CB TRIP COIL
Y3	CB CLOSING COIL
M	MOTOR, IREYROLLE 97SP6122, 300W1
LS1,2	SPRING CHARGE LIMIT SWITCH
	ENDEAVOUR INTERFACE TERMINAL BLOCK
Ø	MANUFACTURER TERMINAL BLOCK



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AMENDMENTS		
ORIGINAL ISSUE	A	

ORIGINAL SCALE	
APPROVED	
DRAWN	PLE
DATE	5-12-13
CH'D	L.Li

Endeavour Energy

11/22KV SWITCHGEAR PANEL LAYOUT AND MATERIAL LIST	390845
11/22KV SWITCHGEAR INTERFACE TERMINAL BLOCK RAIL	390851

REFERENCE DRAWINGS

DO NOT SCALE
DIMENSIONS IN MILLIMETRES

AUTHORISED
MANAGER PROJECT DEVELOPMENT B.S.M

EQUIPMENT TECHNICAL SPECIFICATION (ETS0003)
11/22KV FEEDER CB CONTROL, PROTECTION & INDICATION
HIGH IMPEDANCE BUSBAR PROTECTION SCHEME
TYPICAL CIRCUIT DIAGRAM

A1 | 390848 | Rev. A

SHEET No 1 OF 1 SHEETS

FRAME_A1_EE