

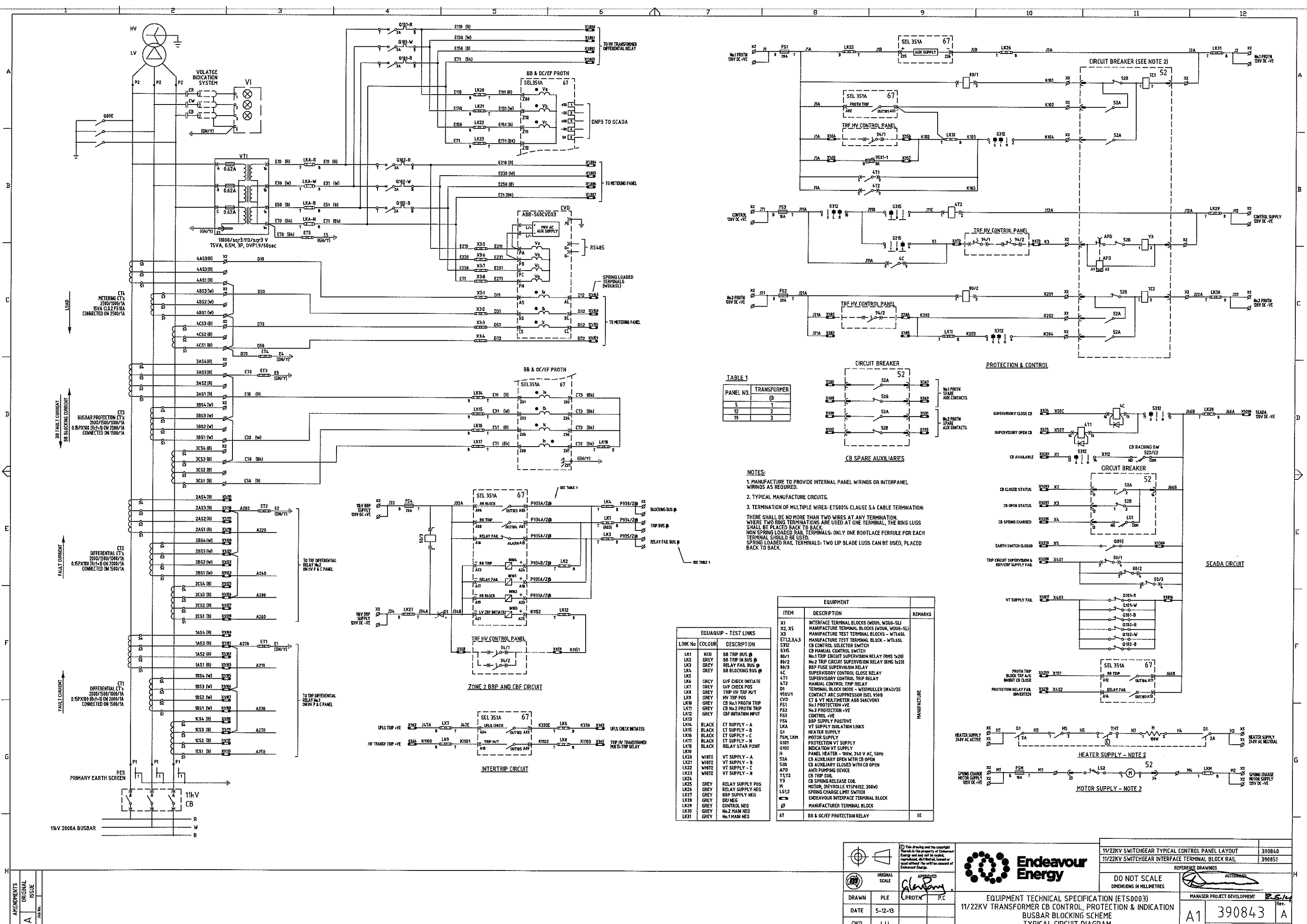


TABLE 1

PANEL NO.	TRANSFORMER
5	1
12	2
19	3

- NOTES:
- MANUFACTURE TO PROVIDE INTERNAL PANEL WIRINGS OR INTERPANEL WIRINGS AS REQUIRED.
 - TYPICAL MANUFACTURE CIRCUITS.
 - 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 RING LUG FOR EACH TERMINAL SHOULD BE USED. SPRING LOADED RAIL TERMINALS: TWO LIP BLADE LUGS CAN BE USED, PLACED BACK TO BACK.

EQUIPMENT		REMARKS
ITEM	DESCRIPTION	
X1	INTERFACE TERMINAL BLOCKS (W204, W204-SL)	MANUFACTURE
X2, X5	MANUFACTURE TERMINAL BLOCKS (W204, W204-SL)	
X3	MANUFACTURE TEST TERMINAL BLOCKS - WTL6SL	
ET1,2,3,4,5	MANUFACTURE TEST TERMINAL BLOCKS - WTL6SL	
S312	CB CONTROL SELECTOR SWITCH	
S315	CB MANUAL CONTROL SWITCH	
80/1	No.1 TRIP CIRCUIT SUPERVISION RELAY (RMS 1/20)	
80/2	No.2 TRIP CIRCUIT SUPERVISION RELAY (RMS 1/20)	
80/3	BB FUSE SUPERVISION RELAY	
4C	SUPERVISORY CONTROL CLOSE RELAY	
4T1	SUPERVISORY CONTROL TRIP RELAY	MANUFACTURE
4T2	MANUAL CONTROL TRIP RELAY	
D1	TERMINAL BLOCK MODE - WIDHULLER DK40/35	
9501/1	CONTACT ARC SUPPRESSOR INCL 9500	
CVD	CT & VT MULTIMETER ABB 566CVD03	
FS1	No.1 PROTECTION - VE	
FS2	No.2 PROTECTION - VE	
FS3	CONTROL - VE	
FS4	BB SUPPLY POSITIVE	
LKA	VT SUPPLY ISOLATION LINKS	
Q1	HEATER SUPPLY	MANUFACTURE
FSM, LKM	MOTOR SUPPLY	
Q101	PROTECTION VT SUPPLY	
Q102	INDICATION VT SUPPLY	
H	PANEL HEATER - 240V AC, 50Hz	
52A	CB AUXILIARY OPEN WITH CB OPEN	
52B	CB AUXILIARY CLOSED WITH CB OPEN	
APD	ANTI PUMPING DEVICE	
Y1, Y2	CB SPRING RELEASE COIL	
Y3	MOTOR, DEYROLLE 91SP6122, 300W	
H	SPRING CHARGE LIMIT SWITCH	MANUFACTURE
LS1,2	ENDEAVOUR INTERFACE TERMINAL BLOCK	
67	MANUFACTURE TERMINAL BLOCK	
67	BB & DC/EF PROTECTION RELAY	
EE		

EQUIPMENT - TEST LINKS	
LINK NO.	COLOUR
LK1	RED
LK2	RED
LK3	RED
LK4	RED
LK5	RED
LK6	RED
LK7	RED
LK8	RED
LK9	RED
LK10	RED
LK11	RED
LK12	RED
LK13	RED
LK14	RED
LK15	RED
LK16	RED
LK17	RED
LK18	RED
LK19	RED
LK20	RED
LK21	RED
LK22	RED
LK23	RED
LK24	RED
LK25	RED
LK26	RED
LK27	RED
LK28	RED
LK29	RED
LK30	RED
LK31	RED

11/22KV SWITCHGEAR TYPICAL CONTROL PANEL LAYOUT

390840

11/22KV SWITCHGEAR INTERFACE TERMINAL BLOCK RAIL

390851

DO NOT SCALE

DIMENSIONS IN MILLIMETRES

MANAGER PROJECT DEVELOPMENT

390843

SHEET No. 1 OF 1 SHEETS

A

APPROVED

PROTN

P.C

DATE

5-12-13

CHD

LLI

11/22KV TRANSFORMER CB CONTROL, PROTECTION & INDICATION

BUSBAR BLOCKING SCHEME

TYPICAL CIRCUIT DIAGRAM

390843

Rev.

A

AMENDMENTS	ORIGINAL	ISSUE
A		