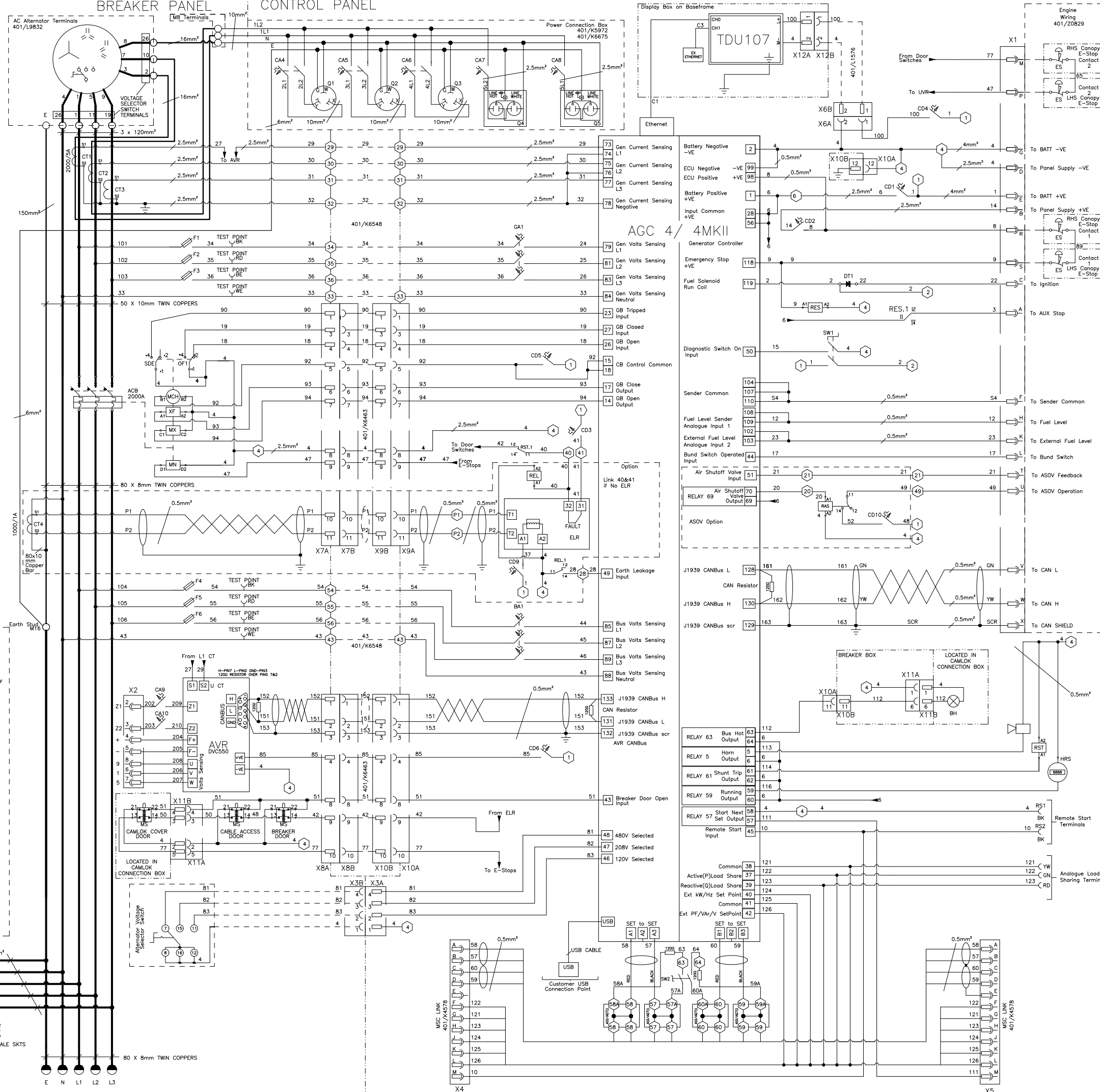


1	Permanent Live DC	MCCB Molded Case Circuit Breaker
2	Ignition Live DC	ABC Automatic Battery Charger
4	Battery Negative DC	CEH Engine Heater Contactor
RS1,RS2	Remote Start Terminals -DC	BC Battery Charger ON LED (RED)
CD1	2A MCB Controller DC Supply	EH Engine Heater ON LED (RED)
CD2	6A MCB E-Stop DC Supply	RBC Battery Charge ON Relay
CD3	2A MCB UV Coil DC Supply	REH Engine Heater ON Relay
CD4	4A MCB TDU107 Supply	SW1 ECU Diagnostic Switch
CD5	10A ACB Control Supply	SW2 Resistor Switch
CD6	2A MCB AVR Supply	AVR Automatic Voltage Regulator
CD7	2A MCB Indicator Lamp Supply	MS Cable Access Door Limit Switch
CD8	2A MCB CEH DC Supply	ELR Earth Leakage Device
CD9	2A MCB ELR DC Supply	REL Earth Leakage Relay
CD10	6A MCB RAS DC Supply	RST Breaker Trip Relay
CA1	6A MCB Battery Charger AC Supply	RAS Air Shut Off Relay
CA2	20A MCB Eng Heater AC Supply	RES Emergency Stop Relay
CA3	6A MCB Alt Heater AC Supply	REX Excitation Relay
CA4	50A Twist Lock Connector Supply	ES Emergency Stop Pushbutton
CA5	50A Twist Lock Connector Supply	BH Bus Hot LED (RED)
CA6	50A Twist Lock Connector Supply	MN Under-Voltage Release Coil
CA7	15A MCB GFCI Connector Supply	OF1 Breaker Status Auxiliary
CA8	15A MCB GFCI Connector Supply	SDE Breaker Tripped Auxiliary
F1	2A Fuse Terminal	120 Ohm Resistor
F2	2A Fuse Terminal	X1 Engine Loom Connector
F3	2A Fuse Terminal	X2 Alternator AVR Connector
F4	2A Fuse Terminal	X3A/B Voltage Selector Switch Connector
F5	2A Fuse Terminal	X4 Set to Set Connector 1
F6	2A Fuse Terminal	X5 Set to Set Connector 2
CT1 CT2 CT3	Gen Current Transformers	X6A/B Remote Control Panel Connector
CT4	Earth Leakage Toroid	X7A/B Breaker Connector (Breaker Side)
GA1	2A Gen Voltage Sensing	X8A/B AVR Connector (Breaker Side)
BA1	2A Bus Voltage Sensing	X9A/B Breaker Connector (Panel Side)
IS	40A 110V BC Supply Inlet Socket	X10A/B AVR Connector (Panel Side)
IS2	40A 110V EH Supply Inlet Socket	X11A/B Bus Hot Connector
Q1	50A Twist Lock	X12A/B Remote Control Panel Connector
Q2	50A Twist Lock	FTR EMC Filter
Q3	50A Twist Lock	CA9 6A MCB AVR Supply
Q4	15A GFCI	CA10 6A MCB AVR Supply
Q5	15A GFCI	
DT1	Diode Terminal	



11	TDU SCREEN EARTHING ADDED	MAR23
10	CA7&CA8 CHANGED TO 15A FROM 20A CA9&CA10 CHANGED TO 6A FROM 20A ALTERNATOR VOLTAGE SELECTOR SWITCH CONNECTION UPDATED	FEB23
9	ENGINE HARNESS NUMBER UPDATED	DEC22
8	CA9&10 NOW CORRECTLY IDENTIFIED	AUG21
7	MCB CA1 BATTERY CHARGER UP-RATED FROM 2A TO 6A	APR21
6	CD4 CHANGED FROM 2A TO 4A	JAN21
5	AVR VOLTAGE SENSING WIRING CHANGED, CA9 AND CA10 ADDED	NOV20
4	EMC FILTER POSITION MOVED	JUN20
3	EMC FILTER ADDED, TERMINALS REMOVED IN HEATER OPTION, CONNECTION DETAILS ADDED TO Q1, Q2, Q3, Q4, & Q5, SW2 CHANGED FROM NC TO NO	MAR20
2	MCB IDENT CHANGE	JAN20

No.	ALTERATIONS	APP'D	DATE
-----	-------------	-------	------

NOTES - ELECTRICAL

CABLE SIZE: IMM UNLESS OTHERWISE STATED
D
CABLE COLOURS
DC CONTROL: YELLOW

AC POWER SINGLE PHASE: LIVE BLACK NEUTRAL WHITE
AC POWER THREE PHASE: L1 BLACK L2 RED, L3 BLUE, NEUTRAL WHITE

CT WIRING: GREY

SYSTEM VOLTAGE: 24VDC / 120/480VAC

Note: Cable identification numbers on the manufactured looms with a letter after the number are a continuation of the same circuit on this schematic.
eg. 4a,4b,4c, etc are represented as just 4 on this schematic.
Refer to loom drawings in PLM for details.

TITLE:	AGC4 CONTROL SCHEMATICS		
CLIENT:			
SITE:			
W.O. No.:	P851	CREATED BY:	CF
TYPE:	G625RST4F	DATE:	MAY19
SCALE:	NTS	CHECKED BY:	RB
SHEET:	1	DATE:	JUL19
DRAWING NO.		ISSUE	

401/G9343 II

Copyright © JCB Power Products Limited. All rights reserved.



JCB Power Products Limited
Airfield Industrial Estate, Hixon, Stafford,
ST18 0PF, United Kingdom.
tel: +44 (0) 1889 272 200

www.jcbpowerproducts.com