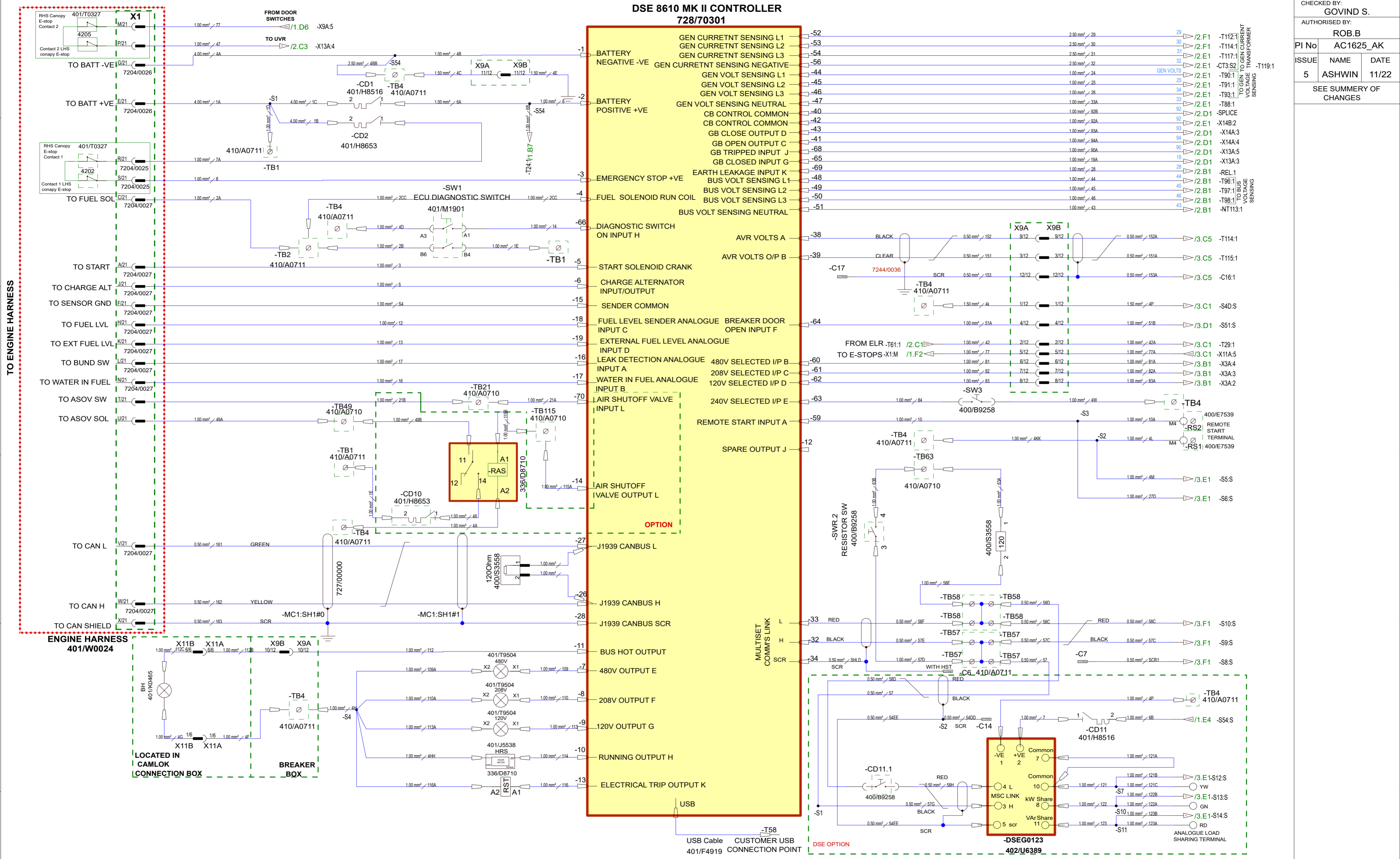


DO NOT SCALE DO NOT MODIFY MANUALLY

ALL DIMENSIONS IN mm

CHECKED BY: GOVIND S.		
AUTHORISED BY: ROB.B		
PI No	AC1625_AK	
ISSUE	NAME	DATE
5	ASHWIN	11/22
SEE SUMMARY OF CHANGES		

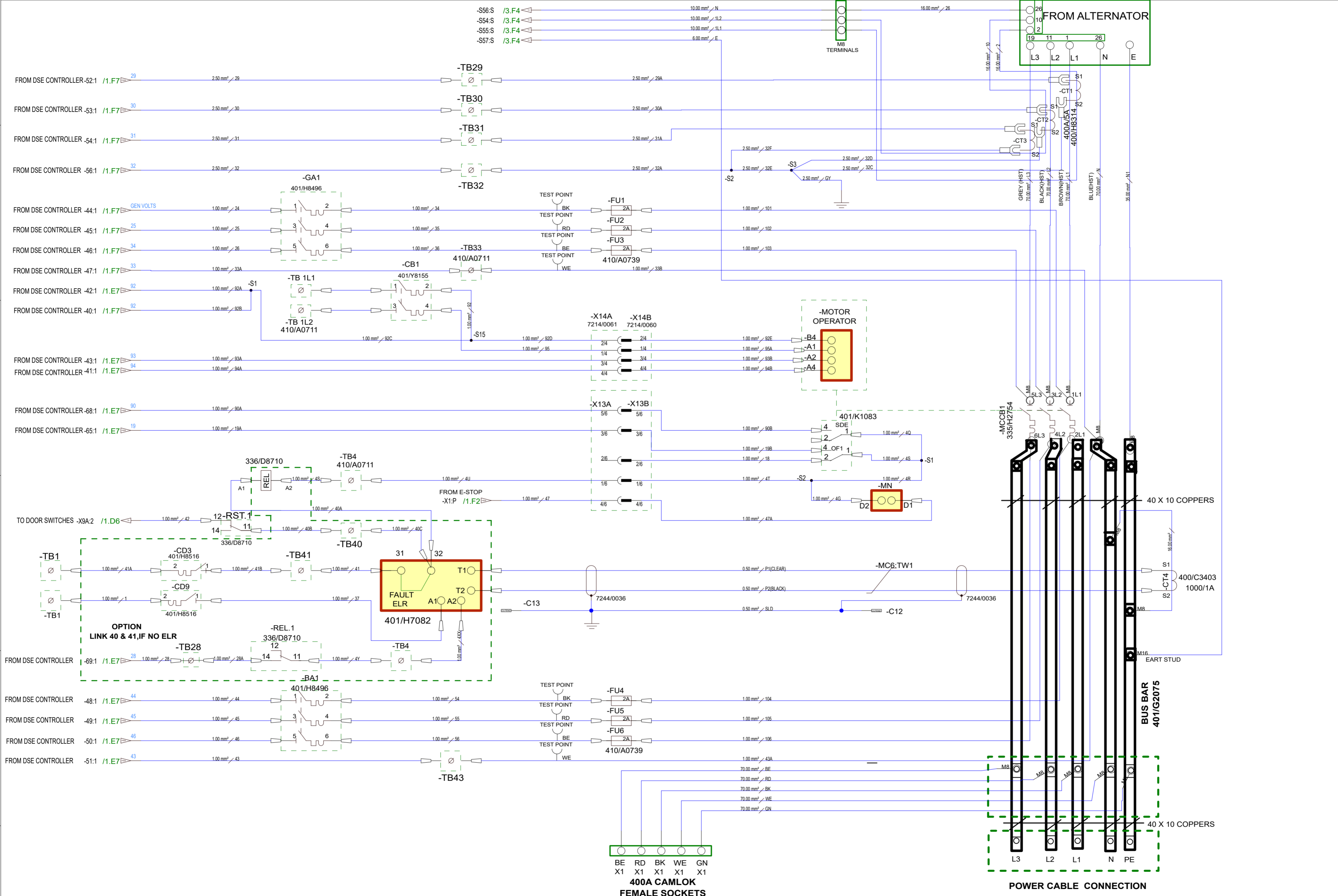


DRAWN	DATE	VOLTAGE	PART HAS CODE	REPLACES	BUSINESS UNIT	M/C USED ON	TITLE	DRAWING NO.
ASHWIN. W	30/09/2022	12V	FEATURES IN ACCORDANCE WITH STD00250	NA	POWER PRODUCTS	P850	G125RS T4F DSE8610 CONTROL SCHEMATIC	401/U5525
COMPONENT TO COMPLY WITH STD00140, DRAWN IN ACCORDANCE WITH 7000/3100 AND STD00024						E3 PROJECT NO. PP00002482	E3 PROJECT ISSUE 1	SCALE: NOT TO SCALE
SHEET 1 OF 5			JCB POWER PRODUCTS A2			© JCB POWER PRODUCTS LIMITED ROCESTER, STAFFORDSHIRE, UK ST14 5JP CONFIDENTIAL INFORMATION - NOT TO BE COPIED WITHOUT WRITTEN CONSENT		

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CHECKED BY: GOVIND S.		
AUTHORISED BY: ROB.B		
PI No	AC1625_AK	
ISSUE	NAME	DATE
5	ASHWIN	11/22
SEE SUMMARY OF CHANGES		

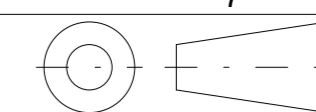


DRAWN	DATE	VOLTAGE	PART HAS CODE FEATURES IN ACCORDANCE WITH STD00250	REPLACES	BUSINESS UNIT	M/C USED ON	TITLE	DRAWING NO.
ASHWIN. W	30/09/2022	12V		NA	POWER PRODUCTS	P850	G125RS T4F DSE8610 CONTROL SCHEMATIC	401/U5525
COMPONENT TO COMPLY WITH STD00140, DRAWN IN ACCORDANCE WITH 7000/3100 AND STD00024						E3 PROJECT NO. PP00002482	E3 PROJECT ISSUE 1	SCALE: NOT TO SCALE
						SHEET 2 OF 5		

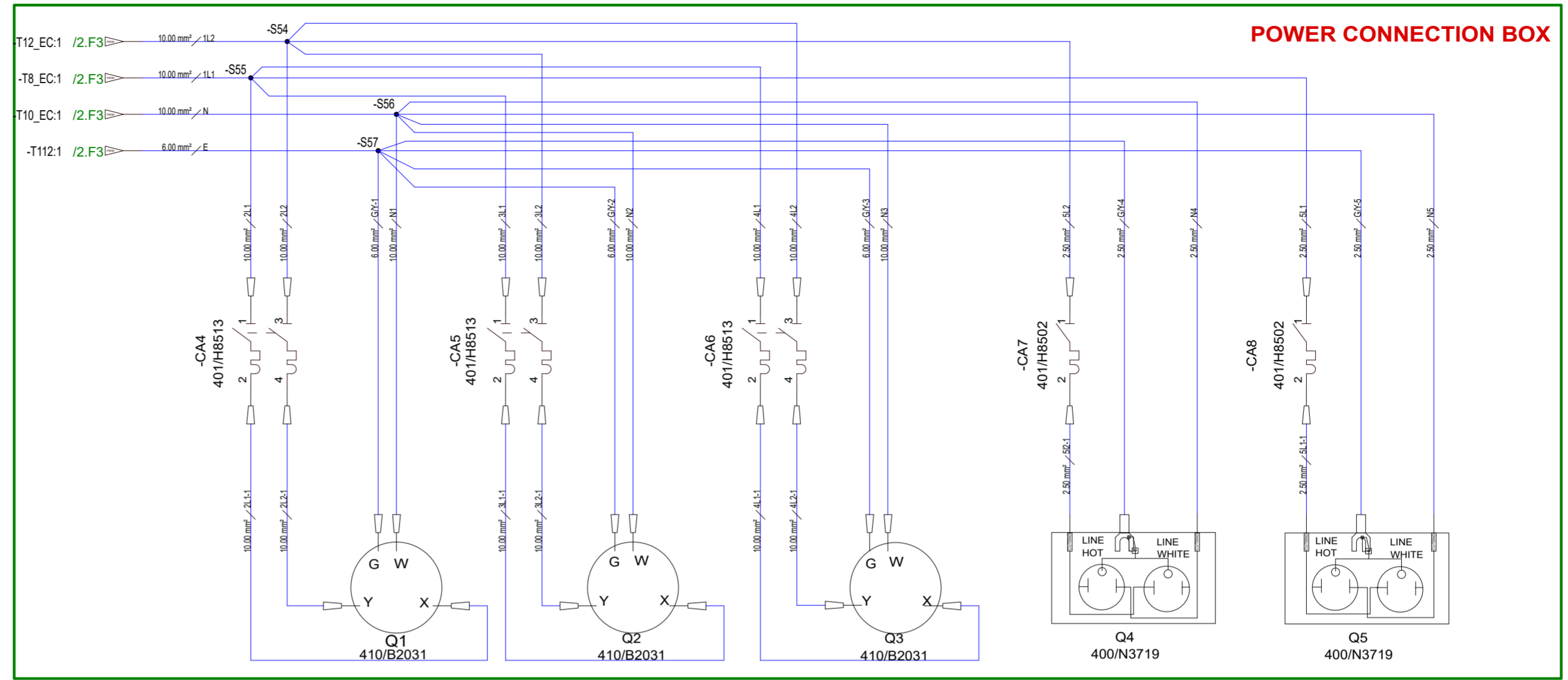
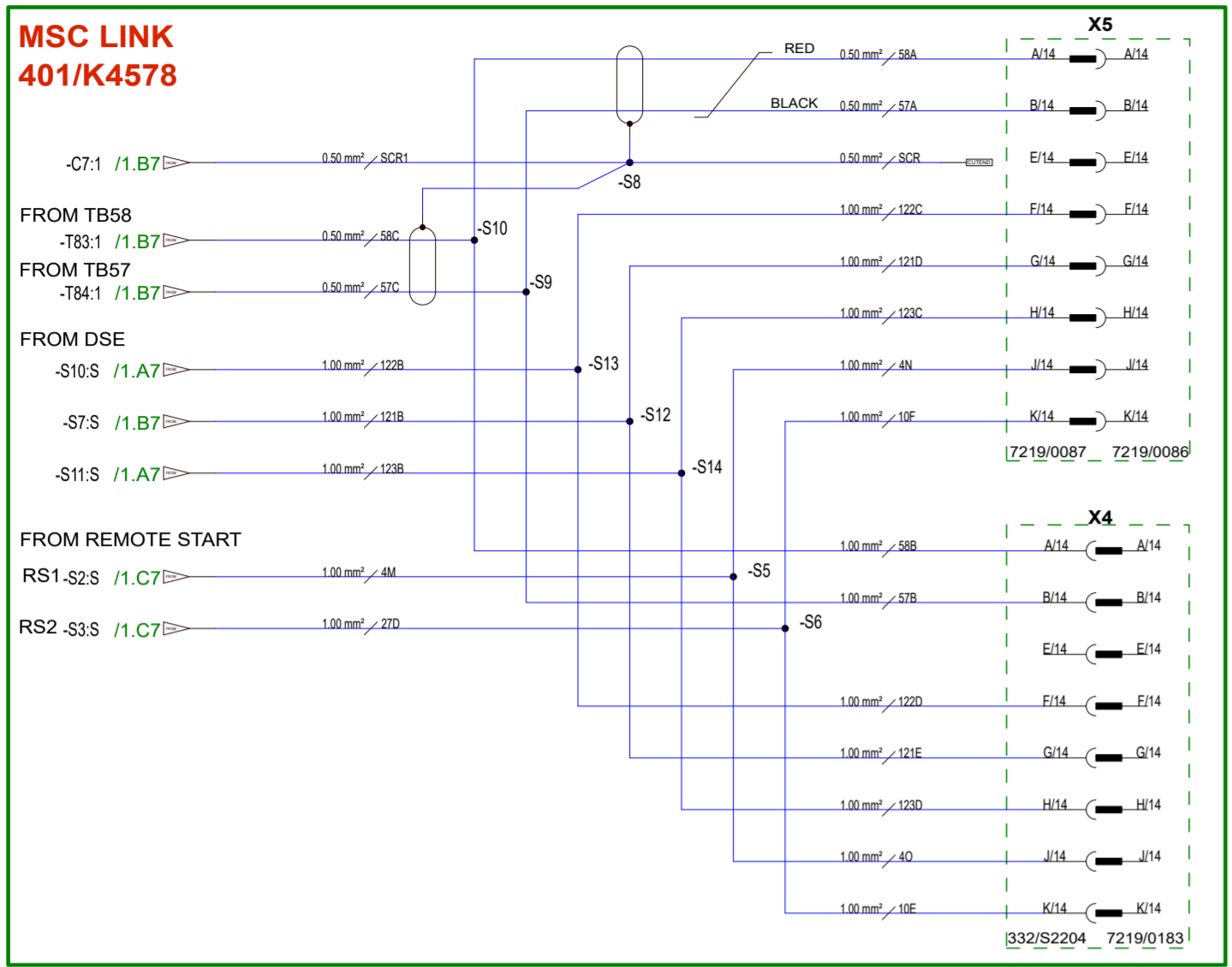
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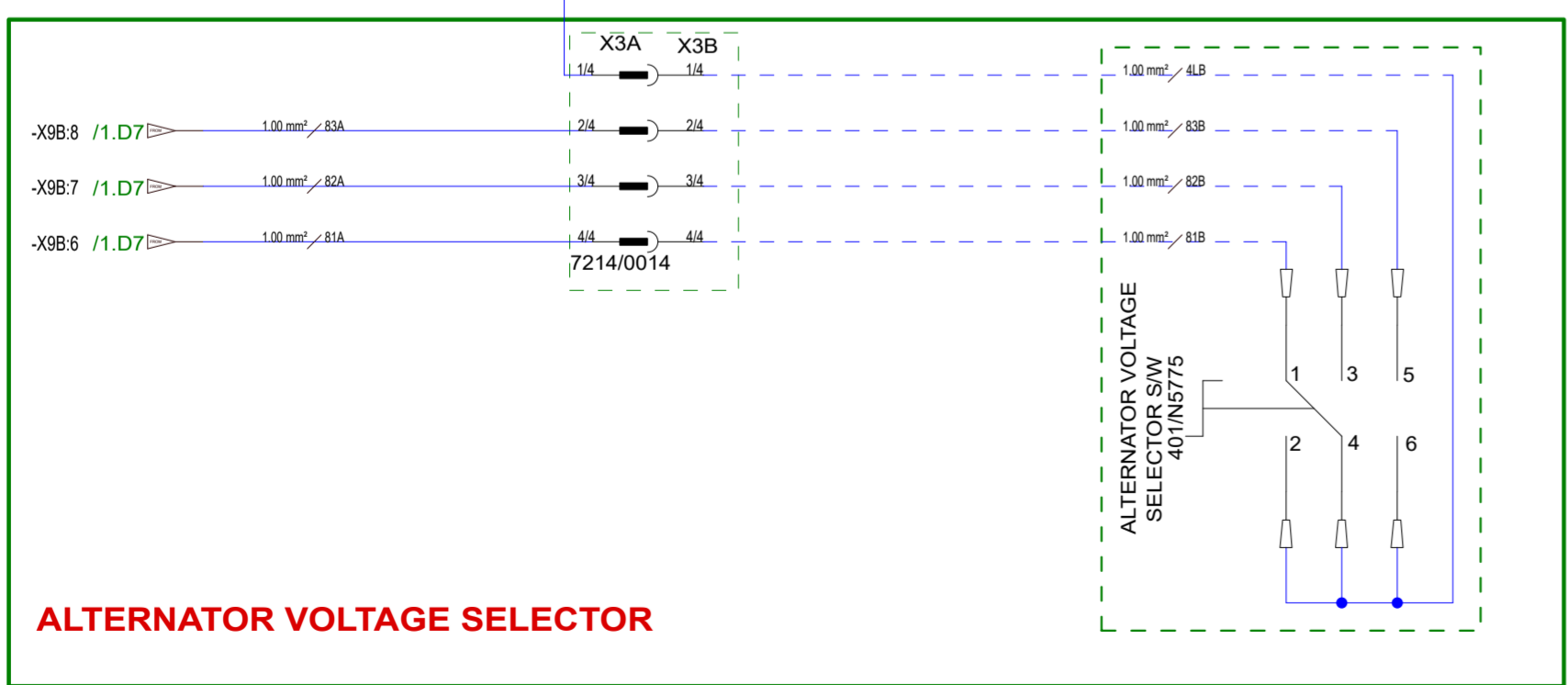
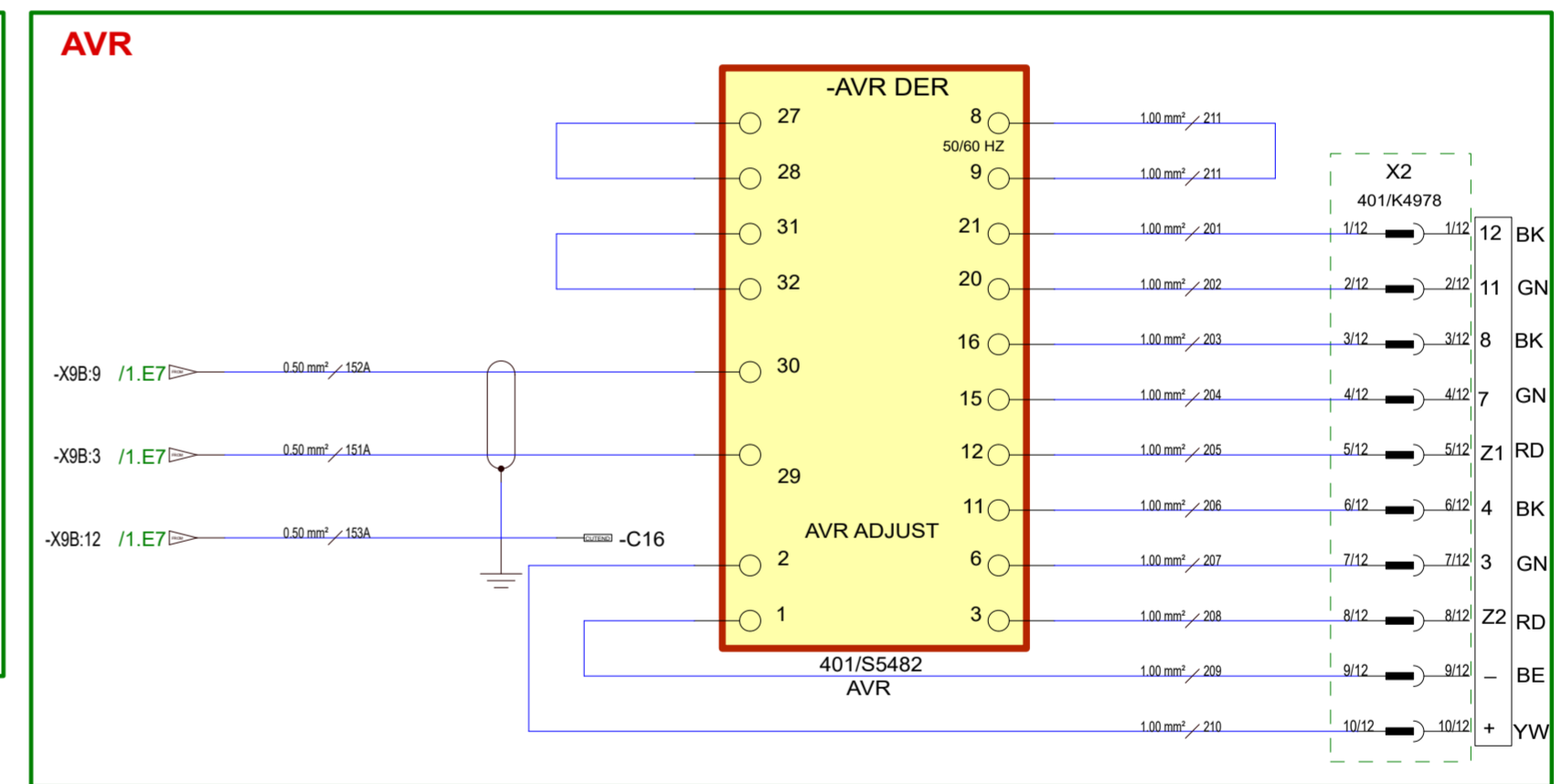
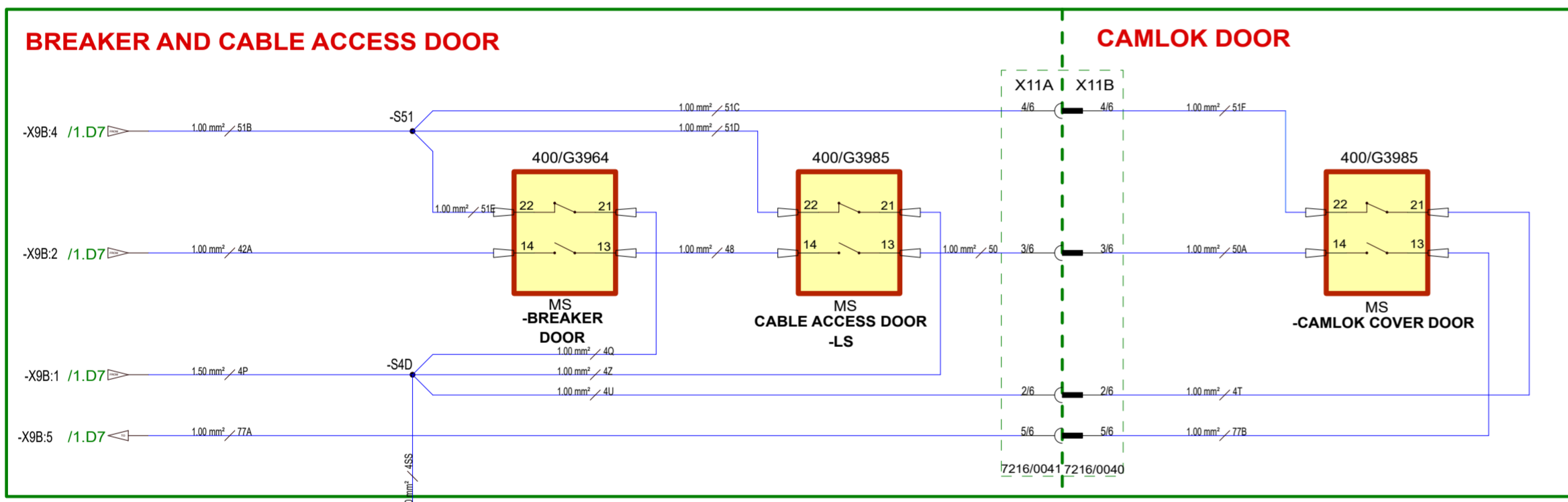
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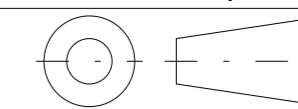


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 AUTHORISED BY: ROB.B  
 PI No: AC1625\_AK  
 ISSUE: 5  
 NAME: ASHWIN  
 DATE: 11/22  
 SEE SUMMARY OF CHANGES

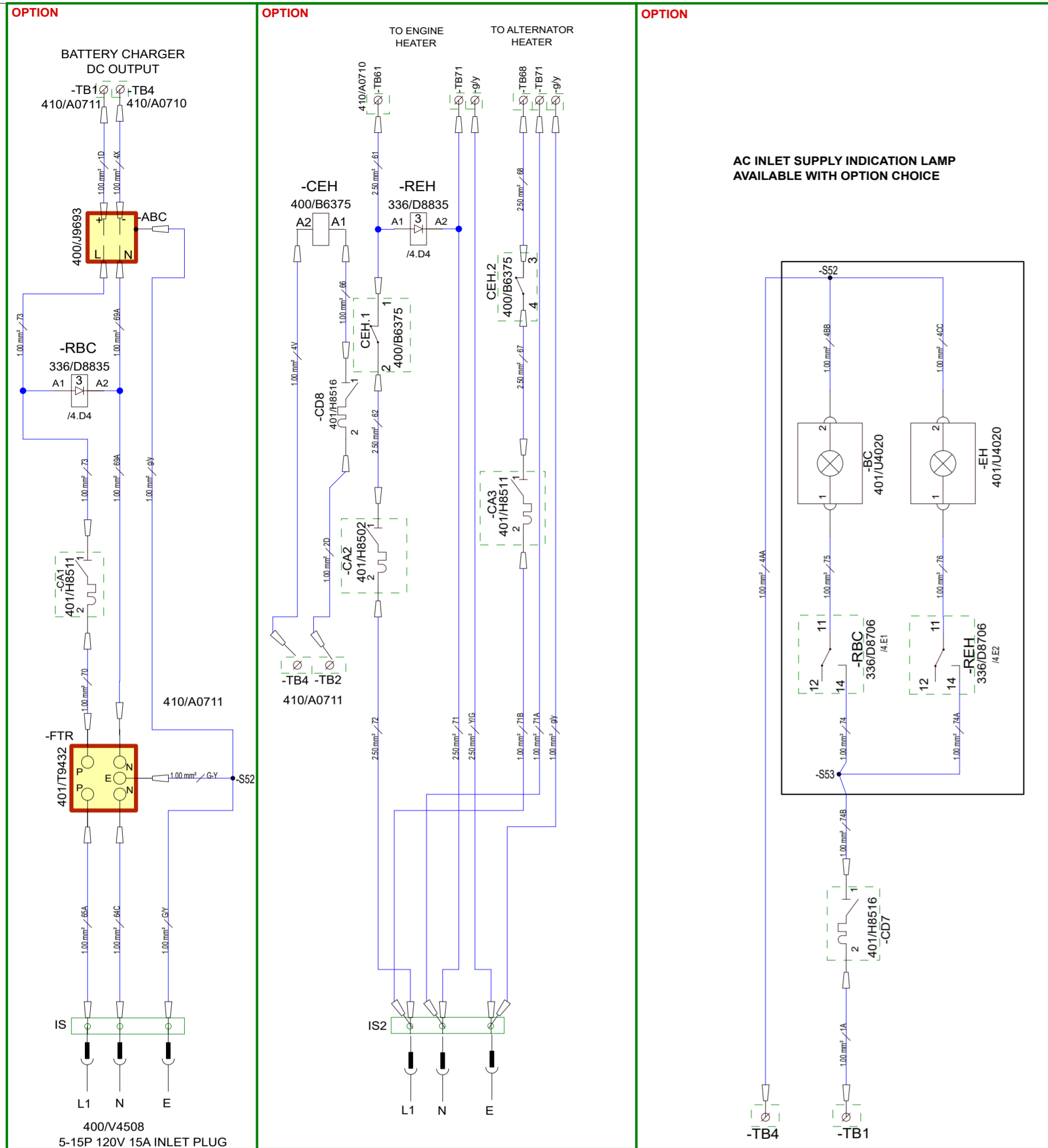


DRAWN	DATE	VOLTAGE	PART HAS CODE FEATURES IN ACCORDANCE WITH STD00250	REPLACES	BUSINESS UNIT	M/C USED ON	TITLE	DRAWING NO.
ASHWIN. W	30/09/2022	12V	C	NA	POWER PRODUCTS	P850	G125RS T4F DSE8610 CONTROL SCHEMATIC CLASSIFIED IN SCHEMATIC	401/U5525
COMPONENT TO COMPLY WITH STD00140, DRAWN IN ACCORDANCE WITH 7000/3100 AND STD00024						E3 PROJECT NO. PP00002482	E3 PROJECT ISSUE 1	SCALE: NOT TO SCALE
SHEET 3 OF 5			JCB POWER PRODUCTS A2			© JCB POWER PRODUCTS LIMITED ROCESTER, STAFFORDSHIRE, UK ST14 5JP CONFIDENTIAL INFORMATION - NOT TO BE COPIED WITHOUT WRITTEN CONSENT		

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ALL DIMENSIONS IN mm



CABLE SIZE: 1MM  
UNLESS OTHERWISE STATED

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  
AC CONTROL: BLACK  
CT WIRING: GREY

SYSTEM VOLTAGE: 12VDC / 120-480VAC

**SUMMARY OF CHANGES**

REVISION 1 : PRODUCTION RELEASE

REVISION 2 : AVR WIRING UPDATED  
MCB CA1 BATTERY CHARGER UP-RATED FROM 2A TO 6A.

REVISION 3 : REMOTE START ADDED TO MSC CONNECTION,  
120 OHM RESISTOR ADDED ON ENGINE CAN

REVISION 4 : DSE123 MSC LINK SWITCH ADDED

REVISION 5 : 1.CONVERSION INTO ZUKEN FILE.  
2.UPDATE ANALOGUE LOAD SHARE MODULE  
3.SYSTEM VOLTAGE CORRECTED TO 12V.

CHECKED BY: GOVIND S.		
AUTHORISED BY: ROB.B		
PI No	AC1625_AK	
ISSUE	NAME	DATE
5	ASHWIN	11/22
SEE SUMMARY OF CHANGES		

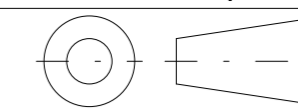
NOTE :  
REFER TO LOOM DRAWINGS IN PLM FOR MORE DETAILS.

DRAWN	DATE	VOLTAGE	PART HAS CODE FEATURES IN ACCORDANCE WITH STD00250	REPLACES	BUSINESS UNIT	M/C USED ON	TITLE	DRAWING NO.	
ASHWIN. W	30/09/2022	12V	C	NA	POWER PRODUCTS	P850	G125RS T4F DSE8610 CONTROL SCHEMATIC CLASSIFIED IN SCHEMATIC	401/U5525	
COMPONENT TO COMPLY WITH STD00140, DRAWN IN ACCORDANCE WITH 7000/3100 AND STD00024						E3 PROJECT NO. PP00002482	E3 PROJECT ISSUE 1	SCALE: NOT TO SCALE	SHEET 4 OF 5

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PI No	AC1625_AK	
ISSUE	NAME	DATE
5	ASHWIN	11/22
SEE SUMMARY OF CHANGES		

ABBREVIATIONS	
DEVICE DESIGNATION	DEVICE NAME
RS1, RS2	REMOTE START TERMINALS- DC
CD1	CONTROLLER DC SUPPLY 2A MCB
CD2	E-STOP DC SUPPLY 6A MCB
CD3	SHUNT TRIP (UVR) DC SUPPLY 2A MCB
CD7	AC INDICATOR LAMP SUPPLY 2A MCB
CD8	CEH DC SUPPLY 2A MCB
CD9	ELR DC SUPPLY 2A MCB
CD10	RAS DC SUPPLY 6A MCB
CD11	DSE123 DC SUPPLY 2A MCB
CA1	BATTERY CHARGER AC SUPPLY 6A MCB(OPTION)
CA2	ENG HEATER AC SUPPLY 20A MCB
CA3	ALT HEATER AC SUPPLY 6A MCB
CA4	TWIST LOCK CONNECTOR SUPPLY 50A
CA5	TWIST LOCK CONNECTOR SUPPLY 50A
CA6	TWIST LOCK CONNECTOR SUPPLY 50A
CA7	GFCI CONNECTOR SUPPLY MCB 20A
CA8	GFCI CONNECTOR SUPPLY MCB 20A
F1	2A FUSE TERMINAL
F2	2A FUSE TERMINAL
F3	2A FUSE TERMINAL
F4	2A FUSE TERMINAL
F5	2A FUSE TERMINAL
F6	2A FUSE TERMINAL
CT1 CT2 CT3	GEN CURRENT TRANSFORMERS
CT4	EARTH LEAKAGE TOROID
GA1	GEN VOLTAGE SENSING 2A
BA1	BUS VOLTAGE SENSING 2A

IS	40A 110V BC SUPPLY INLET SOCKET
IS2	40A 110V EH SUPPLY INLET SOCKET
Q1	50A TWIST LOCK
Q2	50A TWIST LOCK
Q3	50A TWIST LOCK
Q4	15A GFCI
Q5	15A GFCI
CB1	BREAKER MOTOR SUPPLY 10A MCB
MCCB	MOLDED CASE CIRCUIT BREAKER
ABC	AUTOMATIC BATTERY CHARGER
CEH	ENGINE HEATER CONTACTOR
BC	BATTERY CHARGER ON LED (RED)
EH	ENGINE HEATER ON LED (RED)
RBC	BATTERY CHARGE ON RELAY
REH	ENGINE HEATER ON RELAY
SW1	ECU DIAGNOSTIC SWITCH
SW2	RESISTOR SWITCH
SW3	240V SWITCH
AVR	AUTOMATIC VOLTAGE REGULATOR
MS	CABLE ACCESS DOOR LIMIT SWITCH
ELR	EARTH LEAKAGE RELAY
REL	EARTH LEAKAGE RELAY
RST	BREAKER TRIP RELAY
RAS	AIR SHUT OFF RELAY
ES	EMERGENCY STOP PUSHBUTTON
BH	BUS HOT LED (RED)
MN	UNDER-VOLTAGE RELEASE COIL
OF1	BREAKER STATUS AUXILIARY
SDE	BREAKER TRIPPED AUXILIARY

120 Ohm	120 Ohm RESISTOR
X1	ENGINE LOOM CONNECTOR
X2	ALTERNATOR AVR CONNECTOR
X3A/B	VOLTAGE SELECTOR SWITCH CONNECTOR
X4	SET TO SET CONNECTOR 1
X5	SET TO SET CONNECTOR 2
X9	BREAKER CONNECTOR (PANEL SIDE)
X11A/B	CAMLOK BOX CONNECTOR
X13A/B	BREAKER AUX CONNECTOR
X14A/B	BREAKER MOTOR CONNECTOR
FTR	EMC FILTER
480V	SELECTED LED (GREEN)
208V	SELECTED LED (GREEN)
120V	SELECTED LED (GREEN)
TB1	PERMANENT LIVE DC
TB2	IGNITION LIVE DC
TB4	BATTERY NEGATIVE DC

DRAWN	DATE	VOLTAGE	PART HAS CODE FEATURES IN ACCORDANCE WITH STD00250	REPLACES	BUSINESS UNIT	M/C USED ON	TITLE	DRAWING NO.
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COMPONENT TO COMPLY WITH STD00140, DRAWN IN ACCORDANCE WITH 7000/3100 AND STD00024						E3 PROJECT NO. PP00002482	E3 PROJECT ISSUE 1	SCALE: NOT TO SCALE
SHEET 5 OF 5								



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