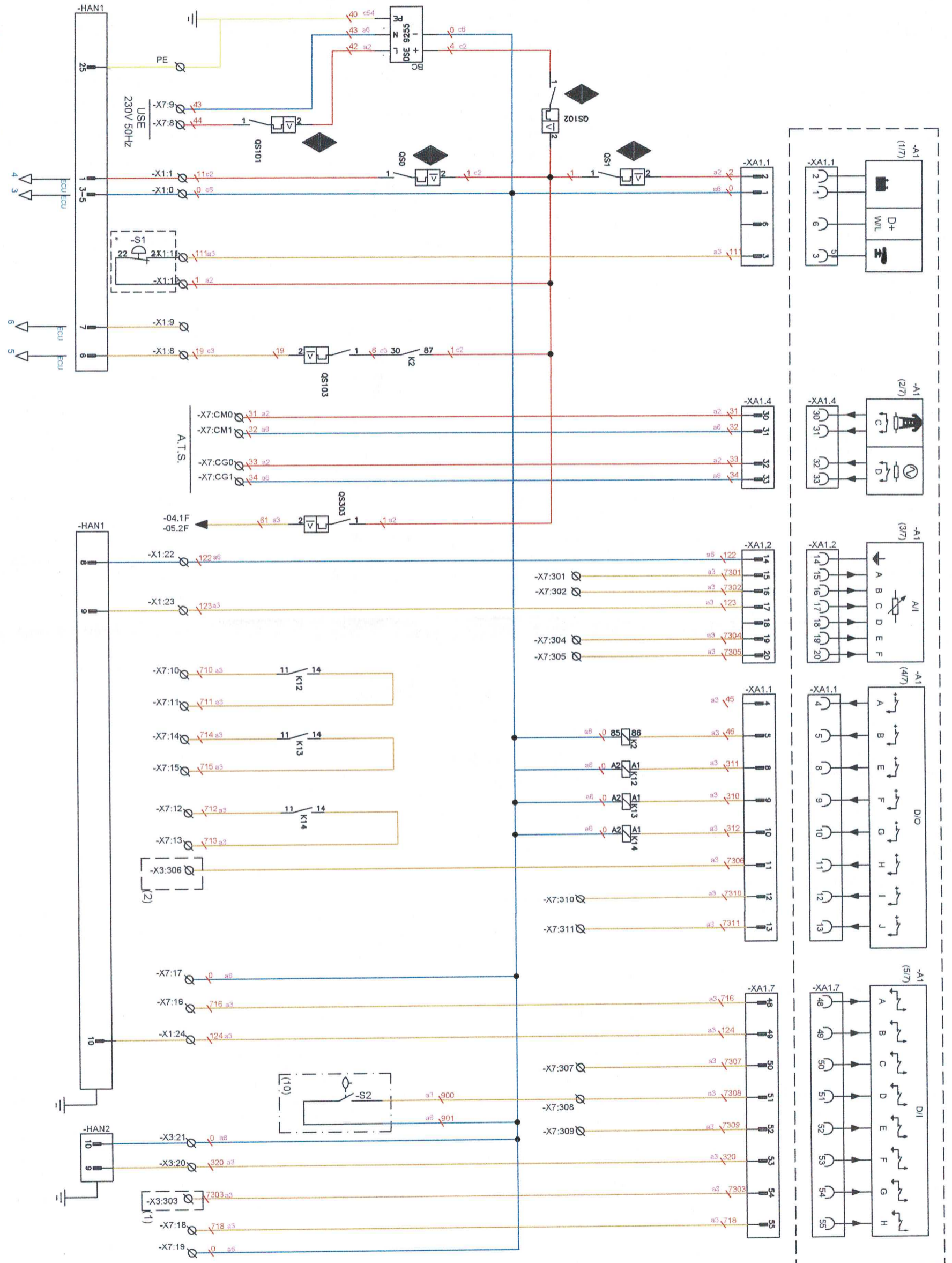


* routing in cubicle only if ELDON, else routing in canopy

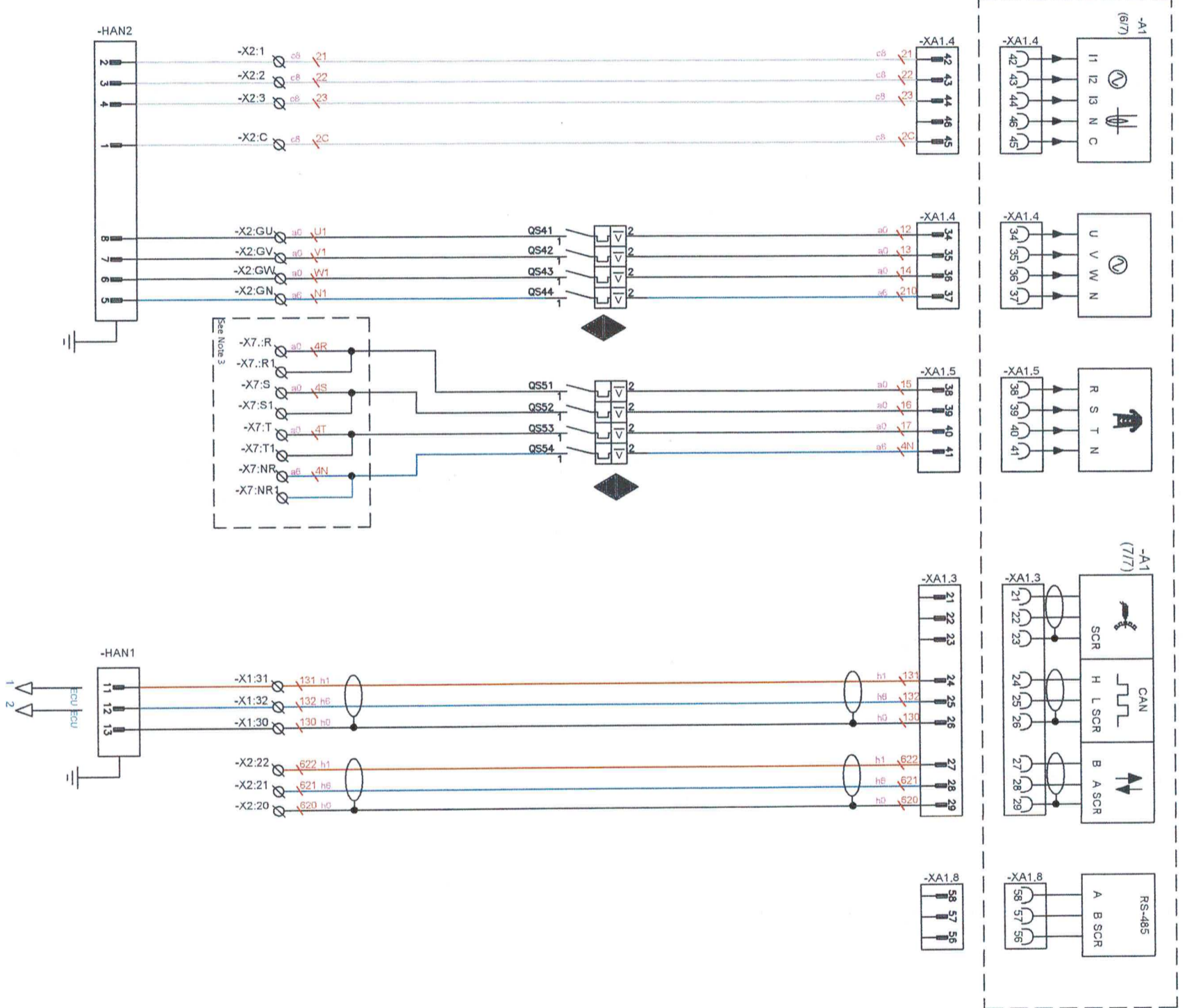


Rev	0	Invert PIAS & Change ELR Connections	2021-05-14	FGIracia
Modification				
Date				
Modified by				

Atlas Copco
 Drawing Owner: ESF
 Approved By: A3
 Status: Under Review
 Section: 1102 K/CONFIDENTIAL
 Compare: Replaces 1640022332
 Designation: 1636032838
 Sheet 1 / 8

DIAGRAM CIRCUIT

1636032838



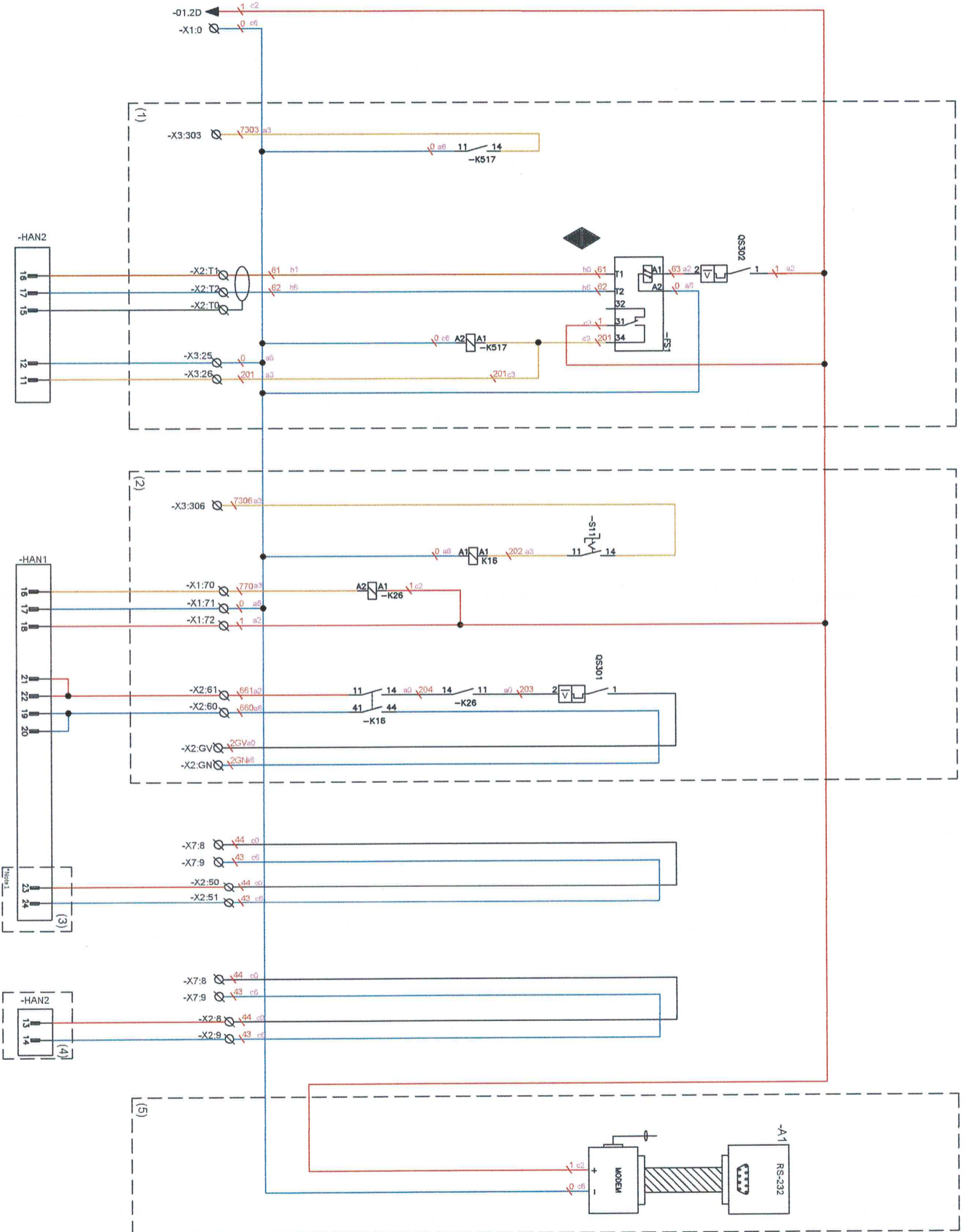
Note 3: Put a bridge with control panel DSE5510

Rev	0	Modification	Invert PLS & Change ELR Connections	2021-05-14	FGracia
Rev	-	Modification	-	-	-
Rev	-	Modification	-	-	-

Drawing Owner	ESF	Approved By	A3
Atlas Copco			
DIAGRAM CIRCUIT			
Q/I/S EMS2.4			
Designation	1636032838		
Compare	1640022332		
Replaces	1640022332		
Sheet	2 / 8		
Status	Under Review		
Secretary Class	1102 K/CONFIDENTIAL		

Note 1: Wiring always from X2 to HAN 1/2, the option is wiring in female HAN 1/2

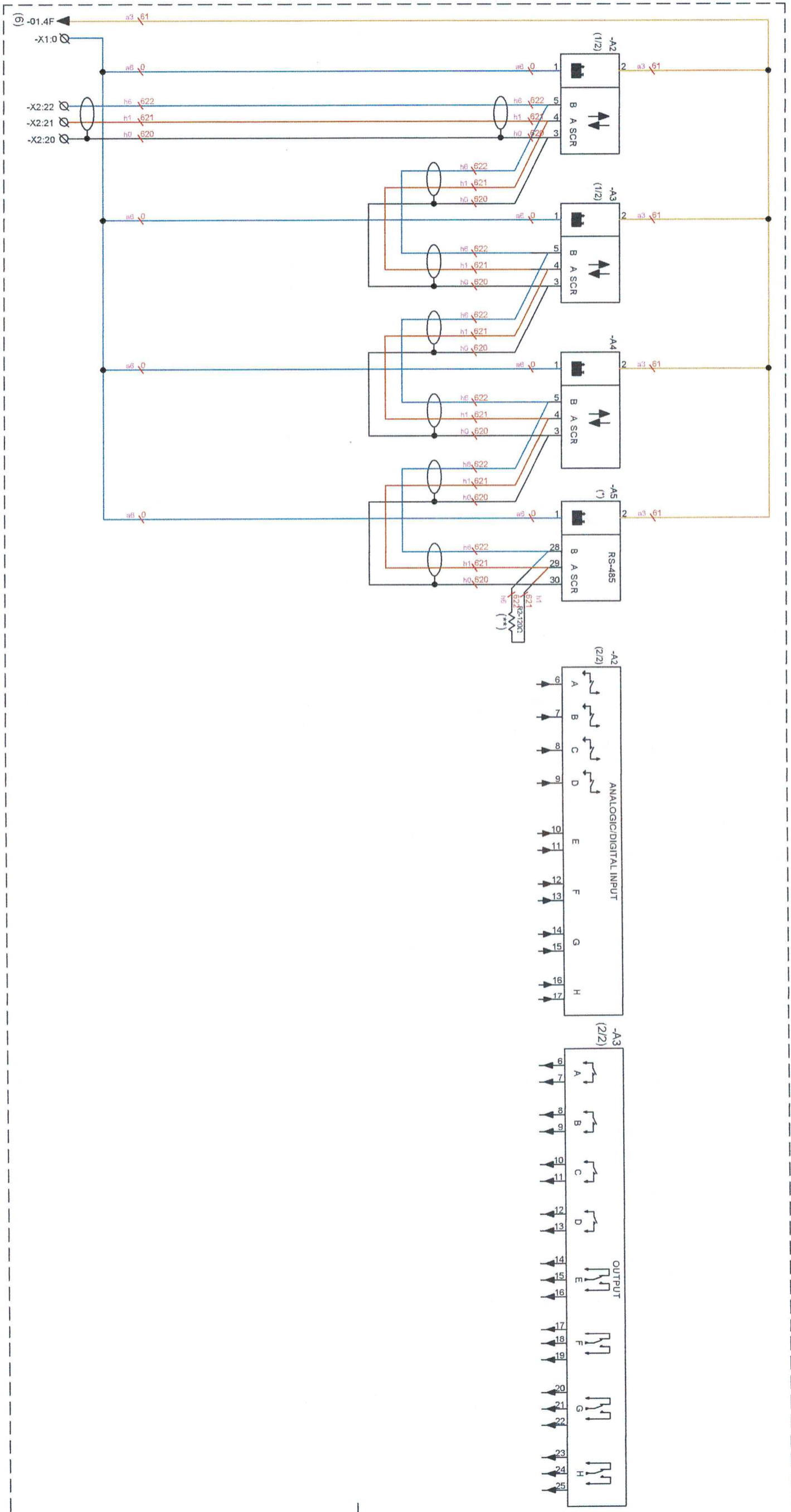
Rev	0	Invert PIAS & Change ELR Connections	2021-05-14	F.Gracia
Rev	-	Modification	-	-
Rev	-	-	-	-



Drawing Owner	ESF	Approved By	A3	Approver	-----	Date	-----	Status	Under Review
Compare	ACD	Search/Class	1102 K/CONFIDENTIAL	Replaces	1640022332	Designation	1636032838	Sheet	3 / 8

DIAGRAM CIRCUIT
Q/S EMS2.4

Atlas Copco



Rev	0	Invert P/LAS & Change ELR Connections	2021-05-14	FGiacia
Modification			Date	Modified by

Drawing Owner	ESF	Approved By	A3	Approv. Date		Status	Under Review	Secretory Class	1102 K/CONFIDENTIAL	Replaces	1640022332
ACD											
<p>DIAGRAM CIRCUIT</p> <p>QI/S EMS2.4</p> <p>1636032838</p> <p>Sheet 4 / 8</p>											

1 2 3 4 5 6 7 8 9 10

A

B

C

D

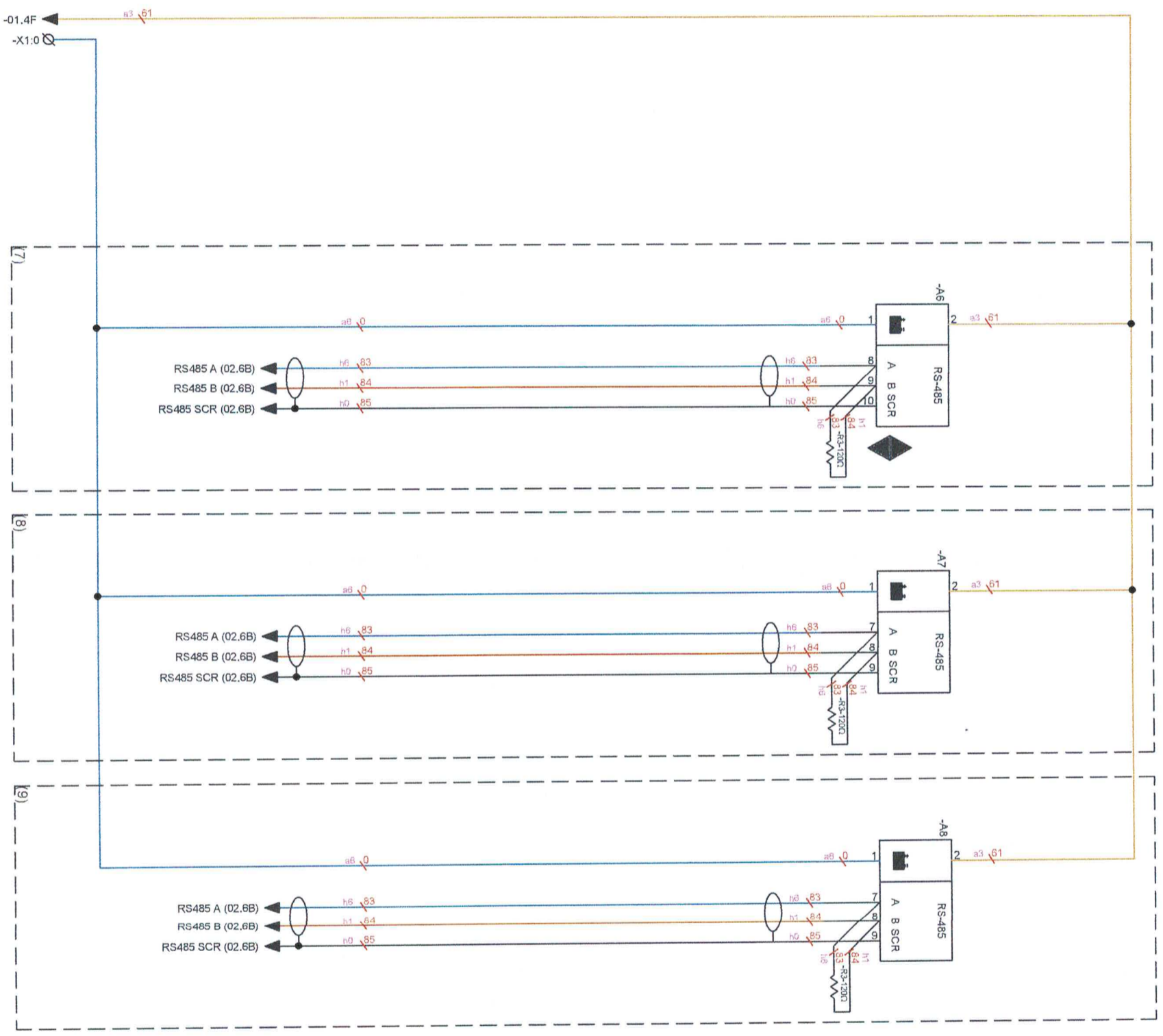
E

F

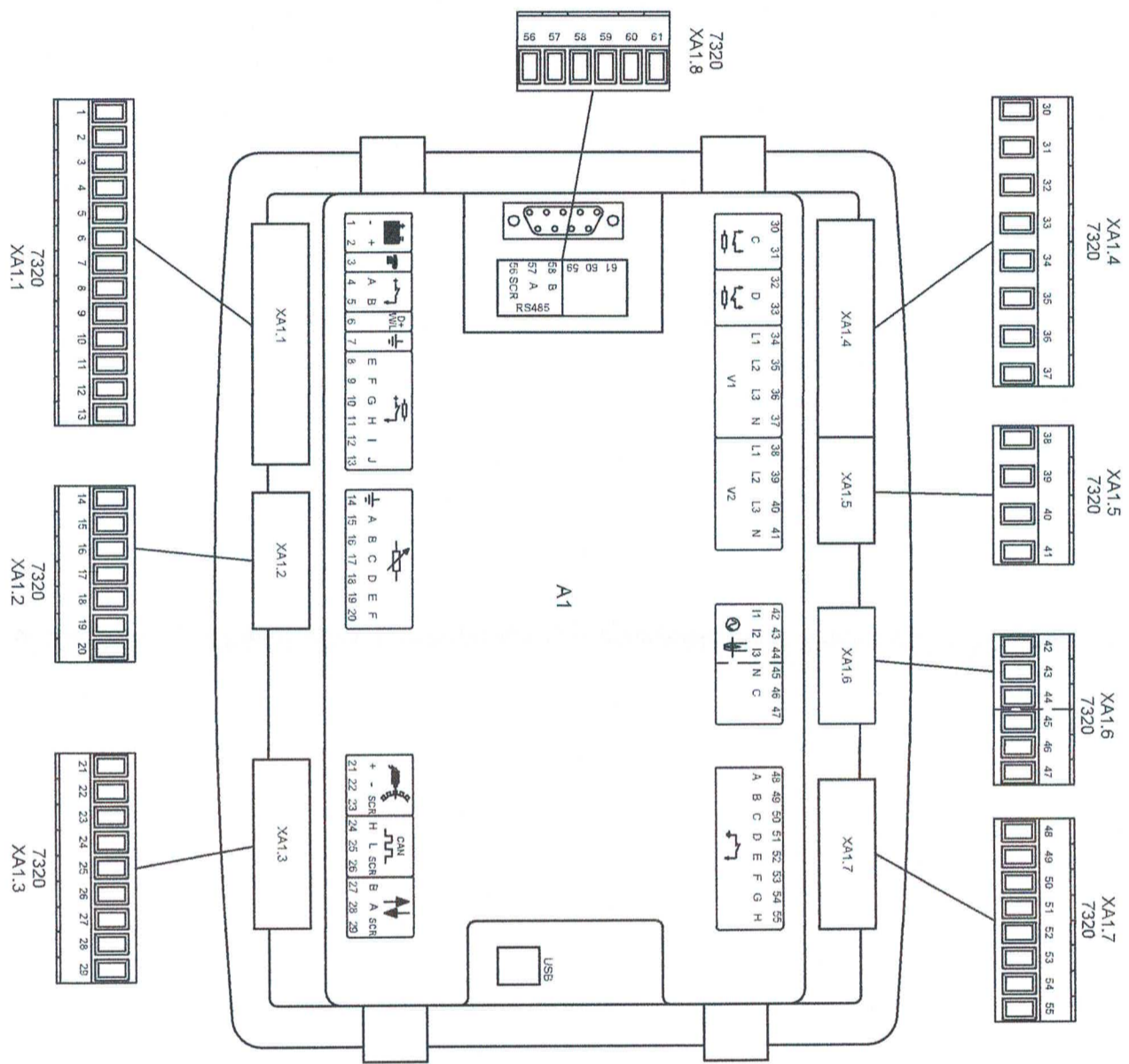
G

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Rev	0	Modification	Date	Modified by
	-	-	-	-
	-	-	-	-
	0	Invert PIAS & Change ELR Connections	2021-05-14	FGracia



Drawing Owner	ESF	Approved By	A3	Approv. Date	-----	Status	Under Review	Compare	Section 1102 K/CONFIDENTIAL	Replaces	1640022332	Designation	1636032838	Sheet	5 / 8
<p>DIAGRAM CIRCUIT QI/S EMS2.4</p> <p>Atlas Copco</p>															



- TERMINAL BLOCK**
- XA1.1 - 5.08mm - 13 CONTACTS
 - XA1.2 - 5.08mm - 7 CONTACTS
 - XA1.3 - 5.08mm - 9 CONTACTS
 - XA1.4 - 7.62mm - 8 CONTACTS
 - XA1.5 - 7.62mm - 4 CONTACTS
 - XA1.6 - 5.08mm - 6 CONTACTS
 - XA1.7 - 5.08mm - 8 CONTACTS
 - XA1.8 - 5.08mm - 6 CONTACTS

Rev	0	Invert PIAS & Change ELR Connections	2021-05-14	FGracia
Rev	-	Modification		

Drawing Owner	ESF	Approved By	A3	Status	Under Review
ACD					
DIAGRAM CIRCUIT					
Q/I/S EMS2.4					
Designation	1636032838		Sheet	6 / 8	
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SECTION CODE	WIRE SECTION
aa	0.5mm ²
a	1mm ²
b	1.5mm ²
c	2.5mm ²
d	4mm ²
e	6mm ²
f	10mm ²
g	16mm ²
h	2x1mm ² + SCR

COLOUR CODE	WIRE COLOUR
0	BLACK
1	BROWN
2	RED
3	ORANGE
4	YELLOW
5	GREEN
6	BLUE
7	PURPLE
8	GREY
9	WHITE
54	GREEN/YELLOW

ID	DESCRIPTION
-A1	DSE 7320 MKII
-A2	DSE 2130
-A3	DSE 2157
-A4	DSE 2548
-A5	DSE 2520
-A6	DSE 890 MKII
-A7	DSE 892
-A8	DSE 865
-K1	RELAY 24V 1C - CRANK
-K2	RELAY 24V 1C - STOP
-K12	RELAY 24V 2C - GENERATOR AVAILABLE
-K13	RELAY 24V 2C - COMMON ALARM
-K14	RELAY 24V 2C - SYSTEM IN AUTO MODE
-K17	RELAY 24V 2C - STOP - EARTH LEAKAGE
-K16	RELAY 24V 2C - FUEL PUMP
-K26	RELAY 24V 1C - OVERFILL FUEL LEVEL
-S11	SELECTOR 1C - AUTO FILLING
-FST1	EARTH LEAKAGE RELAY
-QS0	PIA 25A 1P
-QS1	PIA 2A 1P
-QS101	PIA 2A 1P
-QS102	PIA 6A 1P
-QS103	PIA 6A 1P
-QS41	PIA 2A 1P
-QS42	PIA 2A 1P
-QS43	PIA 2A 1P
-QS44	PIA 2A 1P
-QS51	PIA 2A 1P
-QS52	PIA 2A 1P
-QS53	PIA 2A 1P
-QS54	PIA 2A 1P
(2) -QS301	PIA 6A 1P
(1) -QS302	PIA 2A 1P
-QS303	PIA 2A 1P
-BC	BATTERY CHARGER DSE8255
-SB1	EMERGENCY STOP BUTTON
-R1	TERMINATION RESISTOR 120 OHM - MSC
-R2	TERMINATION RESISTOR 120 OHM - MSC
(6) -R3	TERMINATION RESISTOR 120 OHM - MSC

- (1) EARTH LEAKAGE PROTECTION
- (2) AUTO-FILLING
- (3) COOLANT JACKET HEATER
- (4) ANTI-CONDENSATION HEATER
- (5) GSM MODEM
- (6) EXT. DSNET
- (7) DSE 890 MKII
- (8) DSE 892
- (9) DSE 865
- (10) SPILLAGE LIQUID SENSOR

Rev	Description	Date	Modified by
-	-	-	-
0	Invert Pias & Change ELR Connections	2021-05-14	FGracia
Rev	Modification	Date	Modified by

TERMINALS LIST

ID	TYPE	TERMINAL	DESCRIPTION
-X1	DC	1	BATTERY 24V
-X1	DC	0	BATTERY 0V
-X1	DC	8	CRANK
-X1	DC	9	STOP
-X1	DC	11	EMERGENCY STOP
-X1	DC	12	EMERGENCY STOP
-X1	DC	22	SENDER COMMON
-X1	DC	23	FUEL LEVEL SIGNAL
-X1	DC	31	CAN H
-X1	DC	32	CAN L
-X1	DC	30	CAN SCR
-X1	DC	70	OVERFILL LEVEL
-X1	DC	71	SENDER FUEL LEVEL -
-X1	DC	72	SENDER FUEL LEVEL +
-X1	DC	24	FUEL LEVEL ALARM
-X1	DC	22	EXT. DSNET B
-X1	DC	21	EXT. DSNET A
-X1	DC	20	EXT. DSNET SCR
-X1	DC	C	CURRENT TRA. - C
-X1	DC	1	CURRENT TRA. - I1
-X1	DC	2	CURRENT TRA. - I2
-X1	DC	3	CURRENT TRA. - I3
-X1	DC	GU	GENSET - U1
-X1	DC	GV	GENSET - V1
-X1	DC	GW	GENSET - W1
-X1	DC	GN	GENSET - N1
-X1	DC	T1	T. TOROID - T1
-X1	DC	T2	T. TOROID - T2
-X1	DC	T0	T. TOROID - SCR
-X1	DC	8	ALTERNATOR ANTICONDENSATION
-X1	DC	9	ALTERNATOR ANTICONDENSATION
-X1	DC	50	HEATER
-X1	DC	51	HEATER
-X1	DC	61	FUEL PUMP SUPPLY - N
-X1	DC	60	FUEL PUMP SUPPLY - PH
-X1	DC	21	OF
-X1	DC	20	OF
-X1	DC	26	CIRCUIT BREAKER COIL - Mx +
-X1	DC	25	CIRCUIT BREAKER COIL -
-X1	DC	303	EARTH LEAKAGE PROTECTION
-X1	DC	306	AUTO-FILLING
-X1	DC	301	AI FREE
-X1	DC	302	AI FREE
-X1	DC	304	AI FREE
-X1	DC	305	AI FREE
-X1	DC	307	DI FREE
-X1	DC	308	DI FREE
-X1	DC	309	DI FREE
-X1	DC	310	D/O FREE
-X1	DC	311	D/O FREE
-X1	DC	CG0	CLOSE GENSET
-X1	DC	CG1	CLOSE GENSET
-X1	DC	CM0	CLOSE MAINS
-X1	DC	CM1	CLOSE MAINS
-X1	DC	16	REMOTE START
-X1	DC	17	REMOTE START
-X1	DC	18	RUN INHIBIT
-X1	DC	19	RUN INHIBIT
-X1	DC	20	PANEL LOCK
-X1	DC	10	GENSET OK
-X1	DC	11	GENSET OK
-X1	DC	12	SYSTEM IN AUTO MODE
-X1	DC	13	SYSTEM IN AUTO MODE
-X1	DC	14	COMMON ALARMS
-X1	DC	15	COMMON ALARMS
-X1	DC	R	REF. BUS - R1
-X1	DC	S	REF. BUS - S1
-X1	DC	T	REF. BUS - T1
-X1	DC	NR	REF. BUS - NR1
-X1	DC	9	AUX. INPUT AC POWER - PH
-X1	DC	9	AUX. INPUT AC POWER - N

PROGRAMMING DSE 7320

Nº	OUTPUTS
A	STOP
B	CRANK
C	CLOSE MAINS
D	CLOSE GENSET
E	GENSET AVAILABLE
F	COMMON ALARM
G	SYSTEM IN AUTO MODE
H	AUTO-FILLING
I	NO USED
J	NO USED

Nº	DIGITAL INPUTS
A	REMOTE START ON LOAD
B	LOW FUEL ALARM
C	NO USED
D	SPILLAGE LIQUID SENSOR
E	YELLOW LAMP
F	GCB TRIP
G	ELR TRIP
H	AUTO START INHIBIT

Nº	ANALOGIC INPUTS
A	NO USED
B	NO USED
C	FUEL LEVEL SIGNAL
D	WATER IN FUEL (DI)

Drawing Owner	ESF	Approved By	A3	Approval Date	-----	Status	Under Review	Compare	Class	1102 K/CONFIDENTIAL	Replaces	1640022332	Designation	1636032838	Sheet	7 / 8
<p style="text-align: center;">DIAGRAM CIRCUIT QI/S EMS2.4</p>																



