



Serie			
Model	476FL SPECIAL VERSION – FUSES		


Drawing code	HF620C1034S	Controller	pC01
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Power supply	400V 3~ 50Hz + N	-
Auxiliary supply	24VAC	230VAC

Created by	FF1	Revision by	FF1	Index	A
Date	14-05-2009	On	19-06-2009		

Max power (kW)	254kW
FLA (A)	411A
LRA (A)	627A

Main protection	500A gG
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REVISION		DATE	14-05-2009		COVER	TOTAL SHEET	37	
LAST	DATE	BY	DRAW.		FF1	CONTINUE	2	
A	19-06-2009	FF1	CHECK		FF1			
			APPR.		MM			
					476FL SPECIAL VERSION – FUSES	HF620C1034S	SHEET	1

A

B

C

D

E

F

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1	COVER
2	PAGE SUMMARY
3	POWER SUPPLY INPUT
4	COMPRESSOR 1 AND 2
5	COMPRESSOR 3 AND 4
6	COMPRESSOR 5 AND 6
7	PUMPS
8	FANS
9	FANS
10	EC FANS WIRING
11	EC FANS WIRING
12	HEATERS
13	AUXILIARY TRANSFORMERS
14	AUXILIARY WIRING
15	AUXILIARY WIRING
16	AUXILIARY WIRING
17	AUXILIARY WIRING
18	AUXILIARY WIRING
19	AUXILIARY WIRING

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1 2 3 4 5 6 7 8

A

B

C

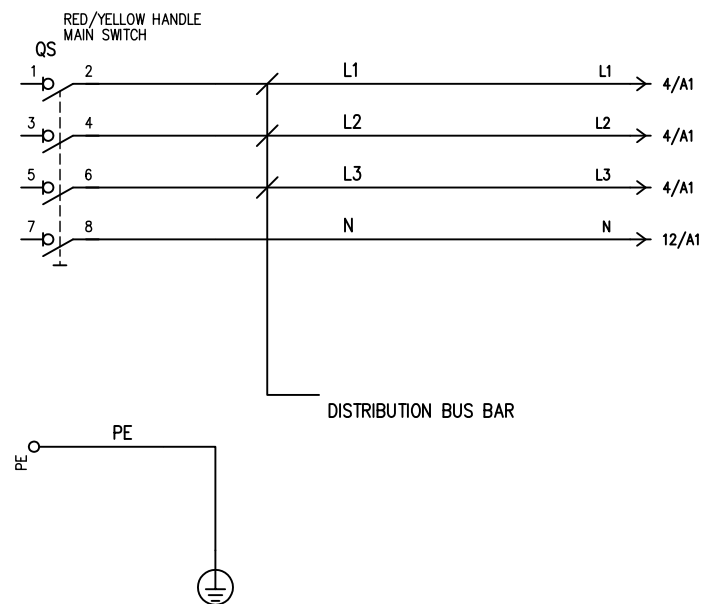
D

E

F

POWER SUPPLY
400V 3~ 50Hz + N

500A gG



REVISION			DATE
LAST	DATE	BY	14-05-2009
A	19-06-2009	FF1	
			DRAW. FF1
			CHECK FF1
			APPR. MM



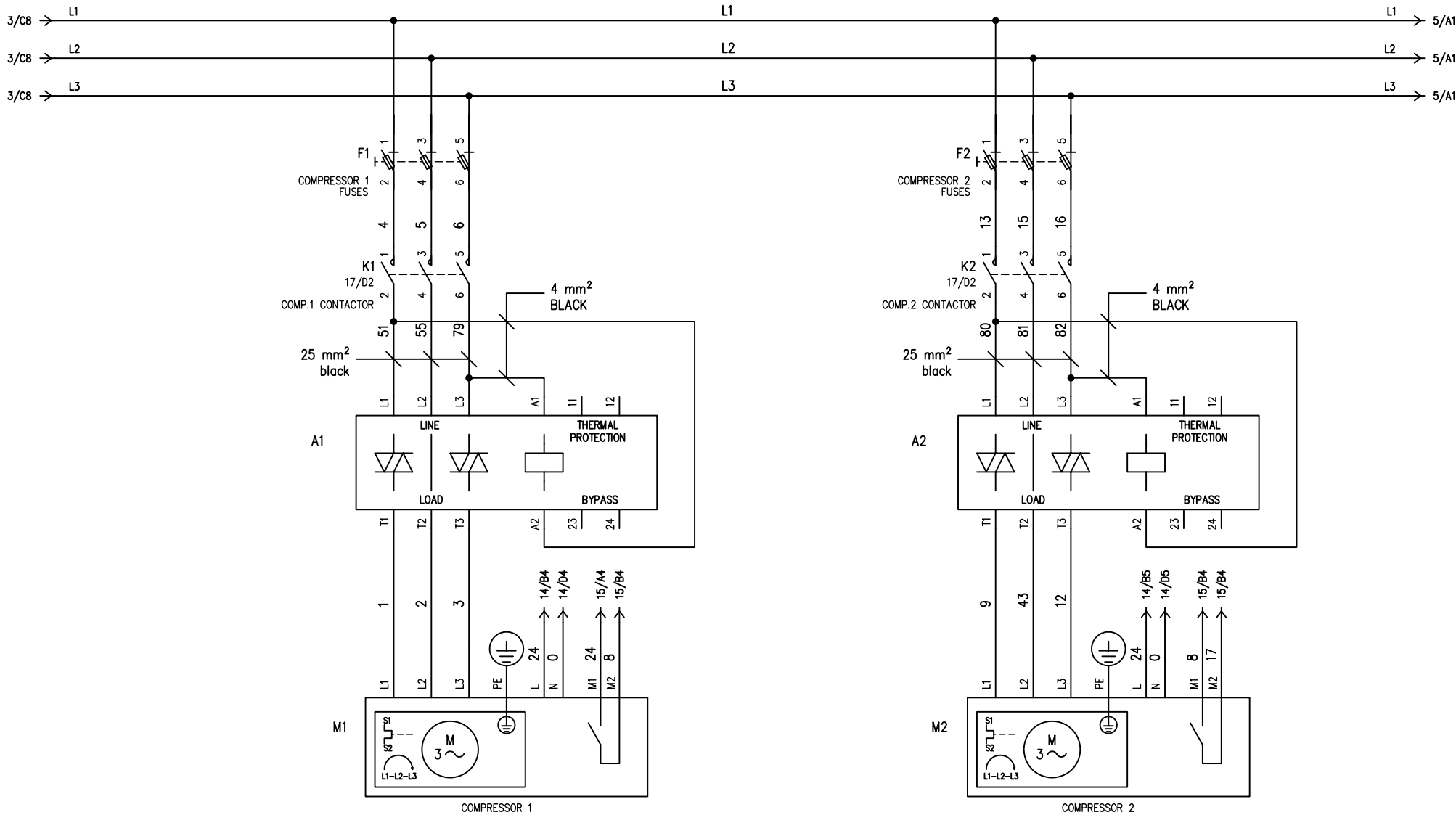
POWER SUPPLY INPUT

476FL SPECIAL VERSION - FUSES

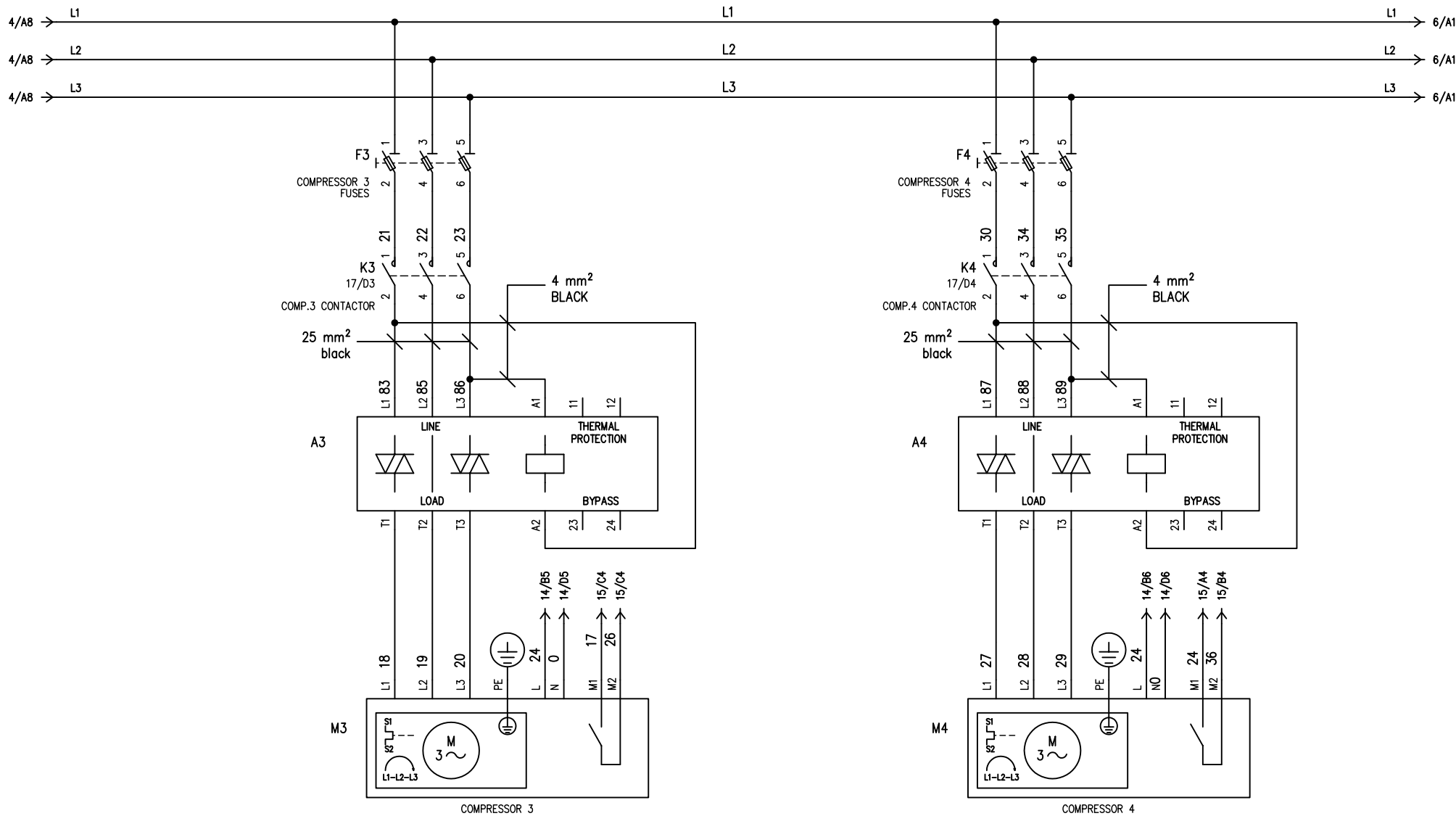
HF620C1034S

TOTAL SHEET	37
CONTINUE	4
SHEET	3

1 2 3 4 5 6 7 8



REVISION			DATE	14-05-2009	LENNOX	COMPRESSOR 1 AND 2		TOTAL SHEET 37	
LAST	DATE	BY	DRAW.	FF1				CONTINUE . 5	
A	19-06-2009	FF1	CHECK	FF1				SHEET 4	
			APPR.	MM		476FL SPECIAL VERSION - FUSES		HF620C1034S	



REVISION			DATE
LAST	DATE	BY	14-05-2009
A	19-06-2009	FF1	

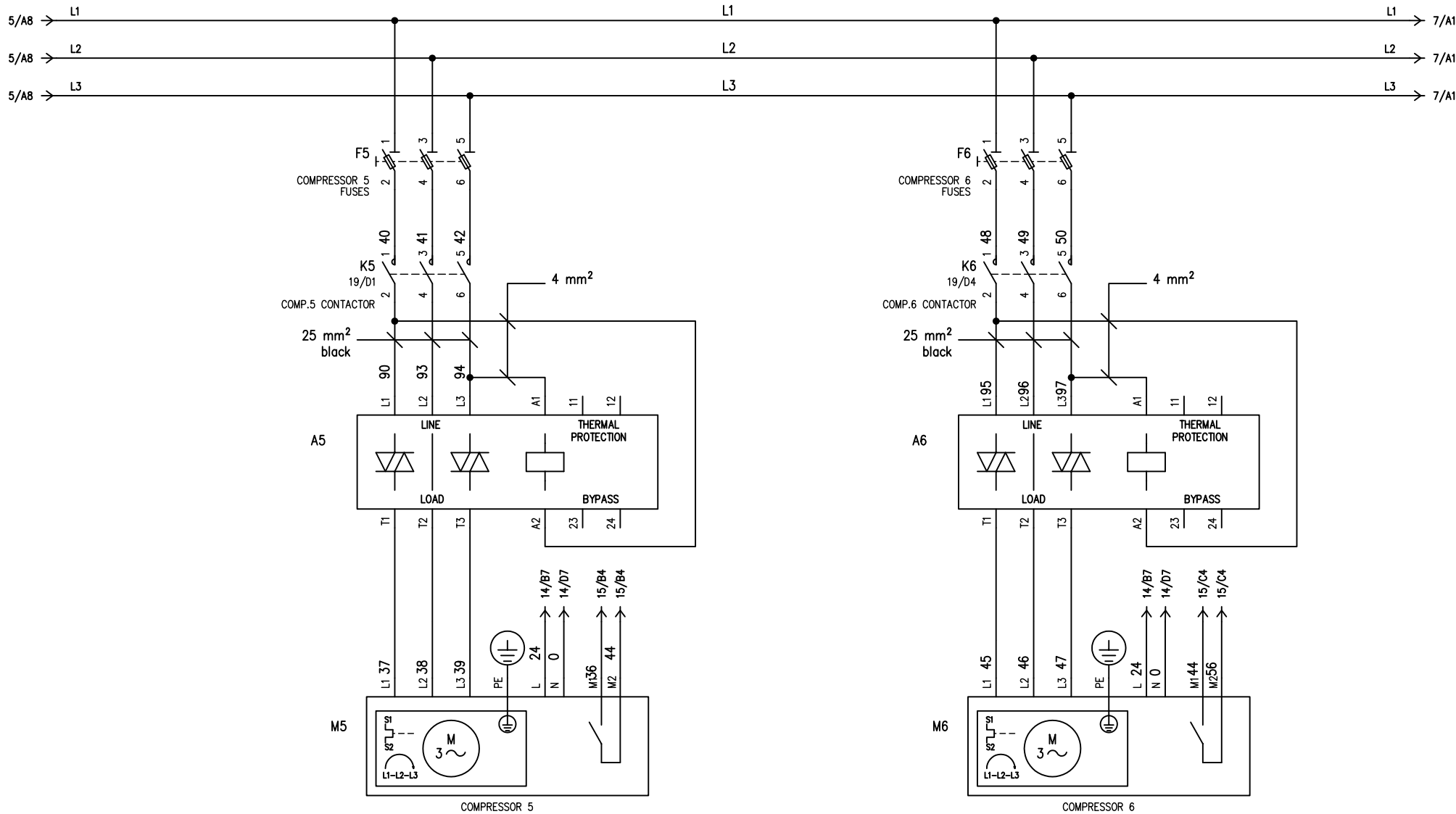
LENNOX


COMPRESSOR 3 AND 4

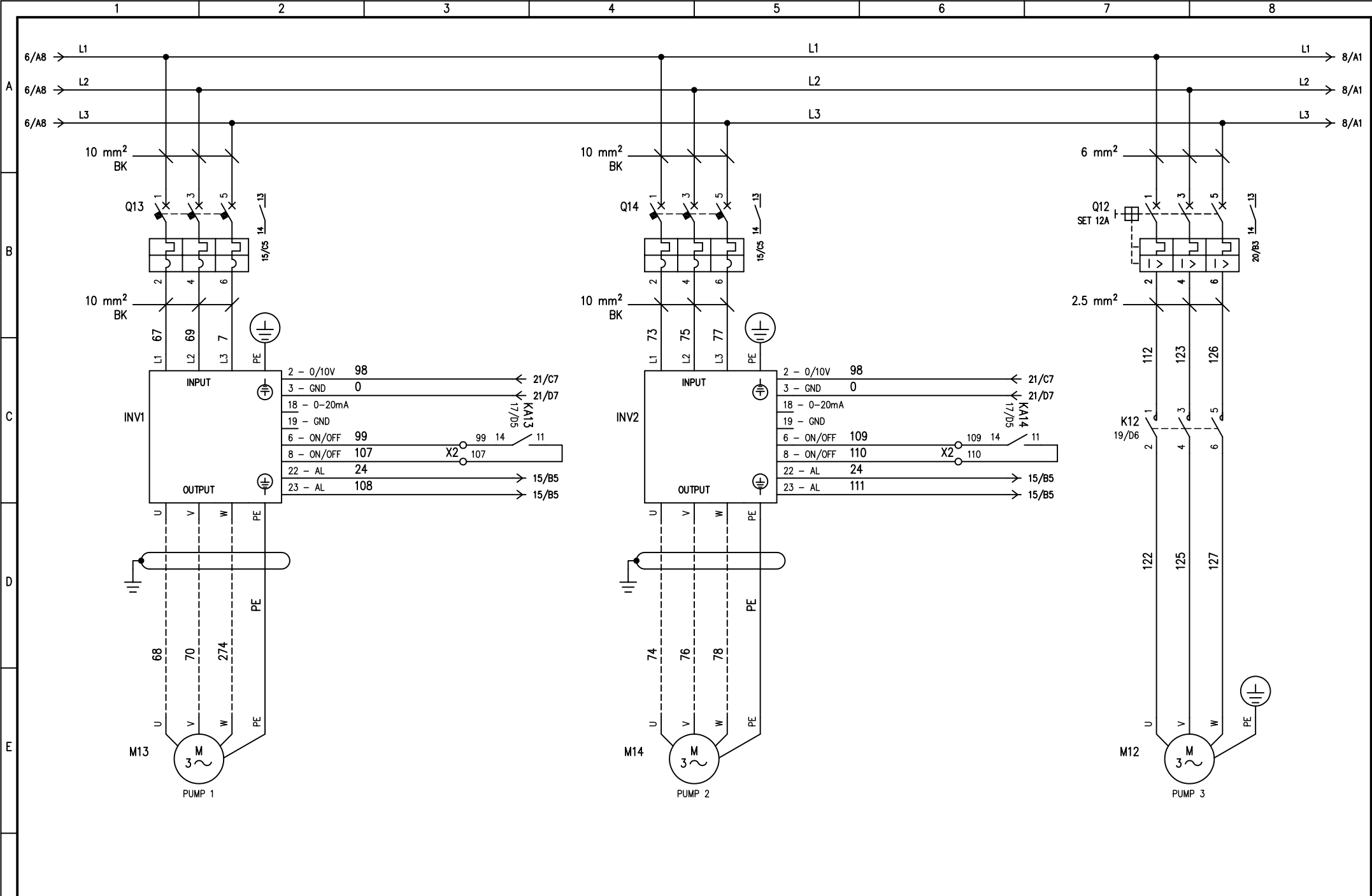
476FL SPECIAL VERSION - FUSES

HF620C1034S

TOTAL SHEET	37
CONTINUE	6
SHEET	5

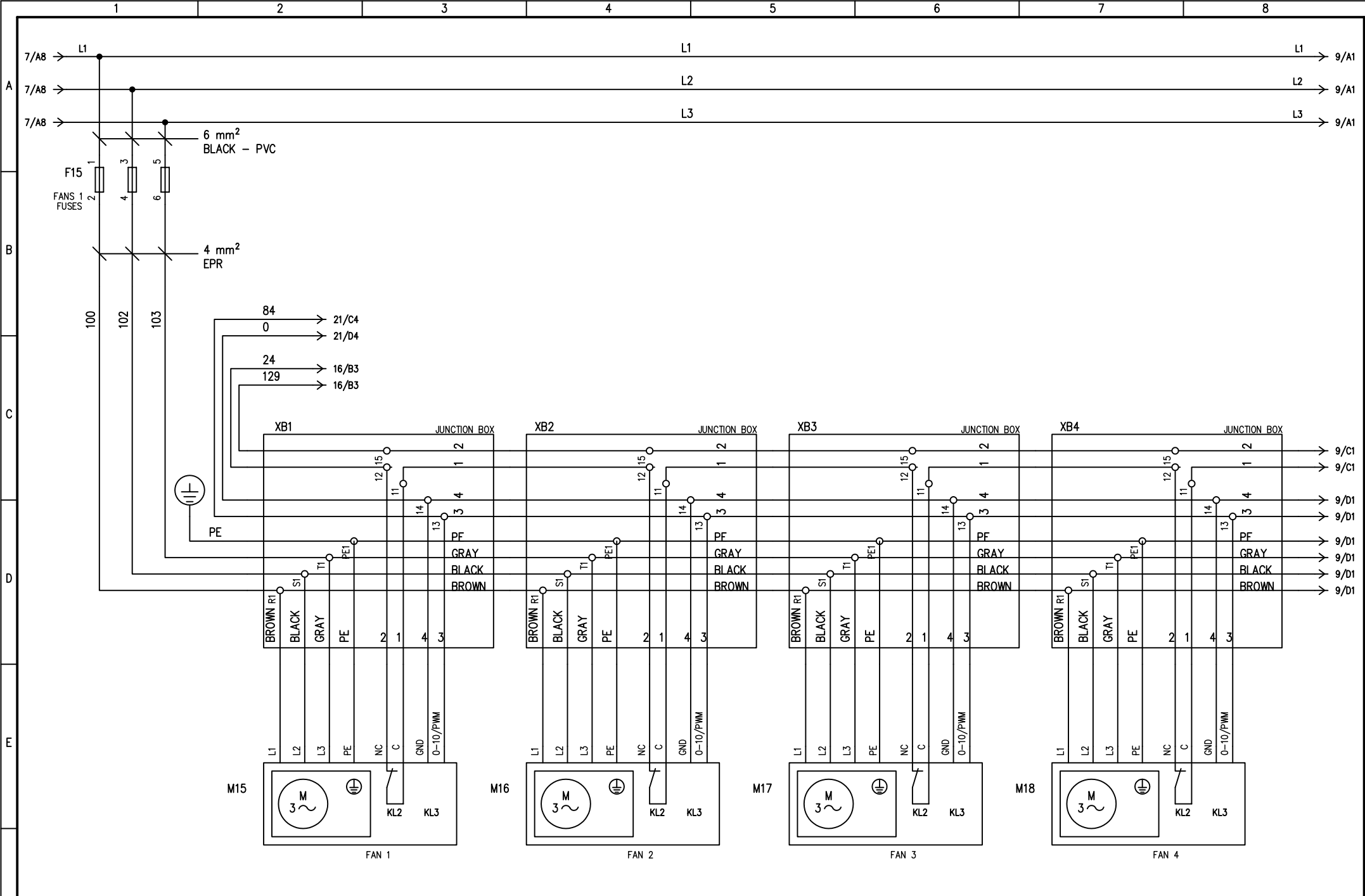



REVISION			DATE	14-05-2009				TOTAL SHEET 37	
LAST	DATE	BY	DRAW.	FF1				COMPRESSOR 5 AND 6	
A	19-06-2009	FF1	CHECK	FF1	476FL SPECIAL VERSION - FUSES			HF620C1034S	SHEET 6
			APPR.	MM					

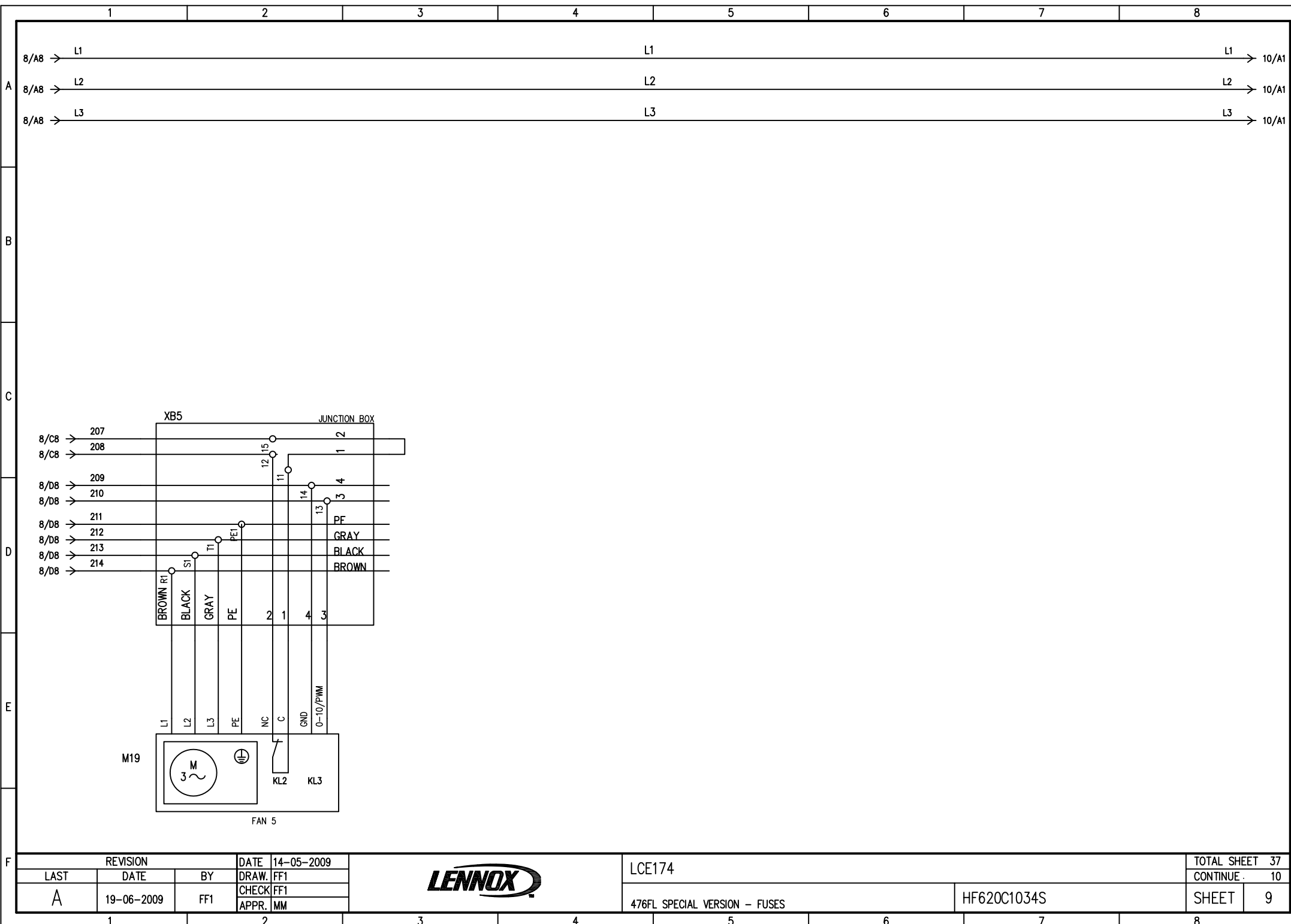


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LAST	DATE	BY	DRAW.	FF1				CONTINUE	8
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			APPR.	MM	HF620C1034S				





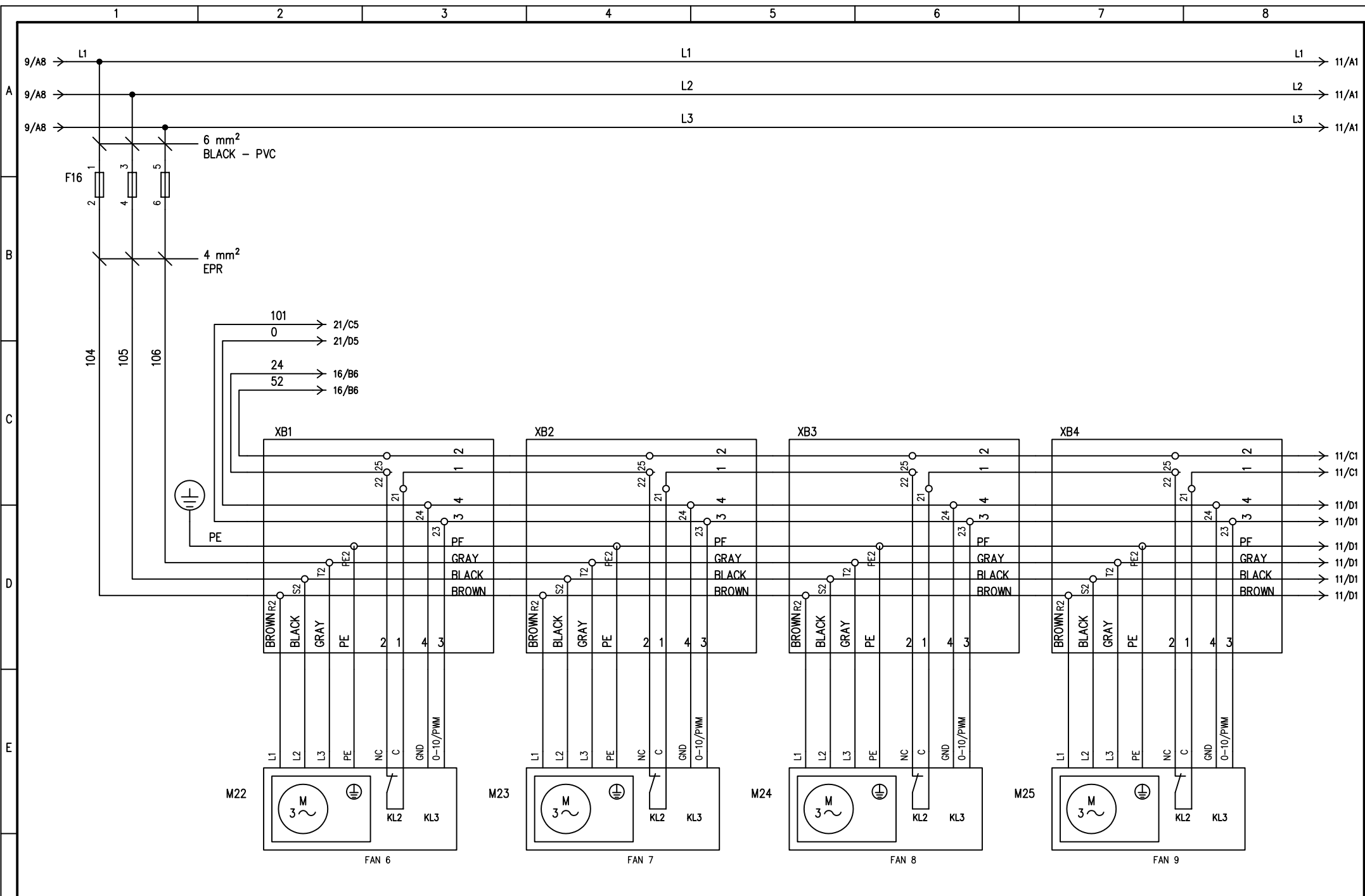
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LAST	DATE	BY	DRAW.	FF1				CONTINUE	9		
A	19-06-2009	FF1	CHECK	FF1				476FL SPECIAL VERSION - FUSES	HF620C1034S	SHEET	8
			APPR.	MM							




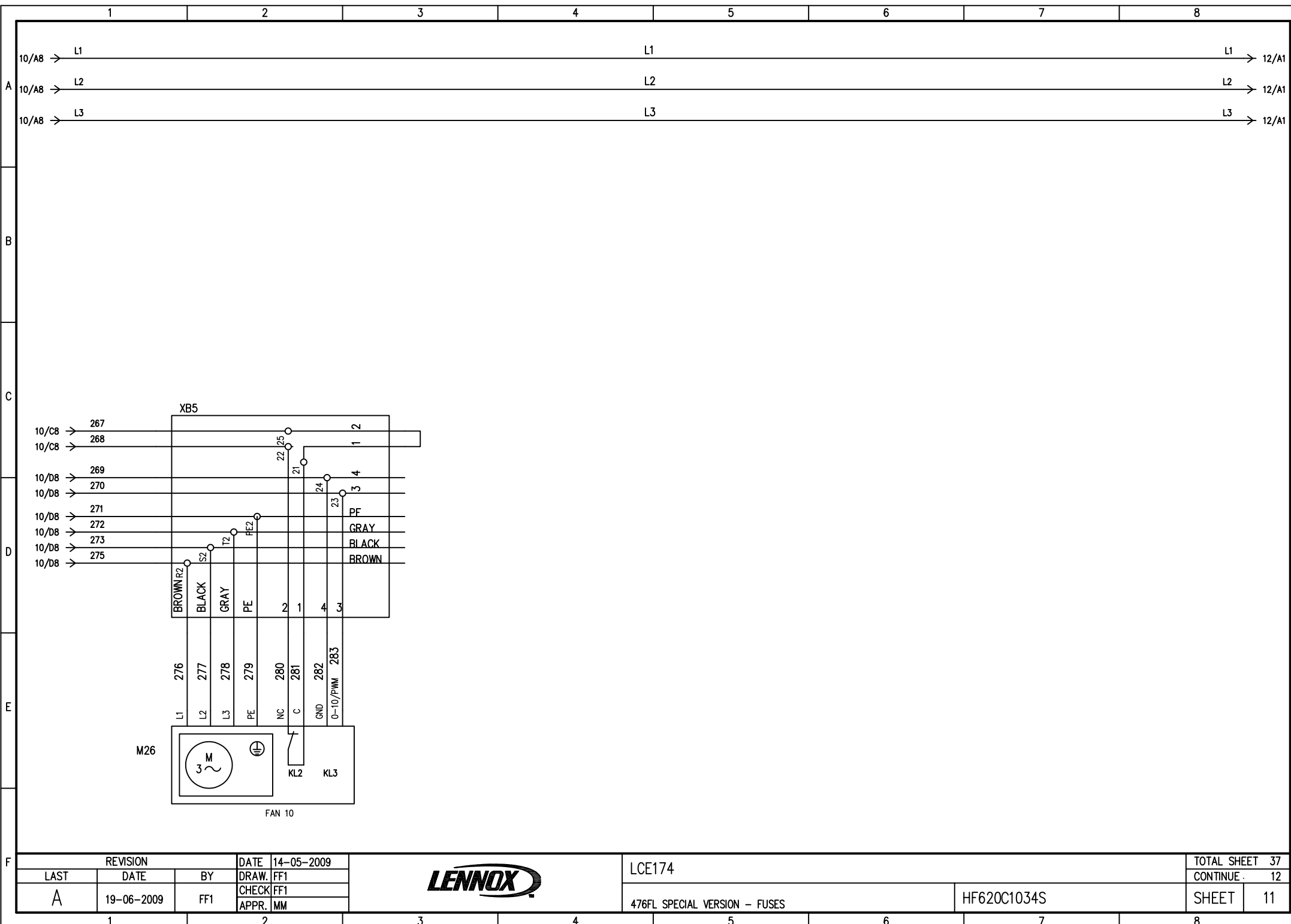
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LAST	DATE	BY	DRAW.	FF1				CONTINUE	10
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			APPR.	MM					



HF620C1034S



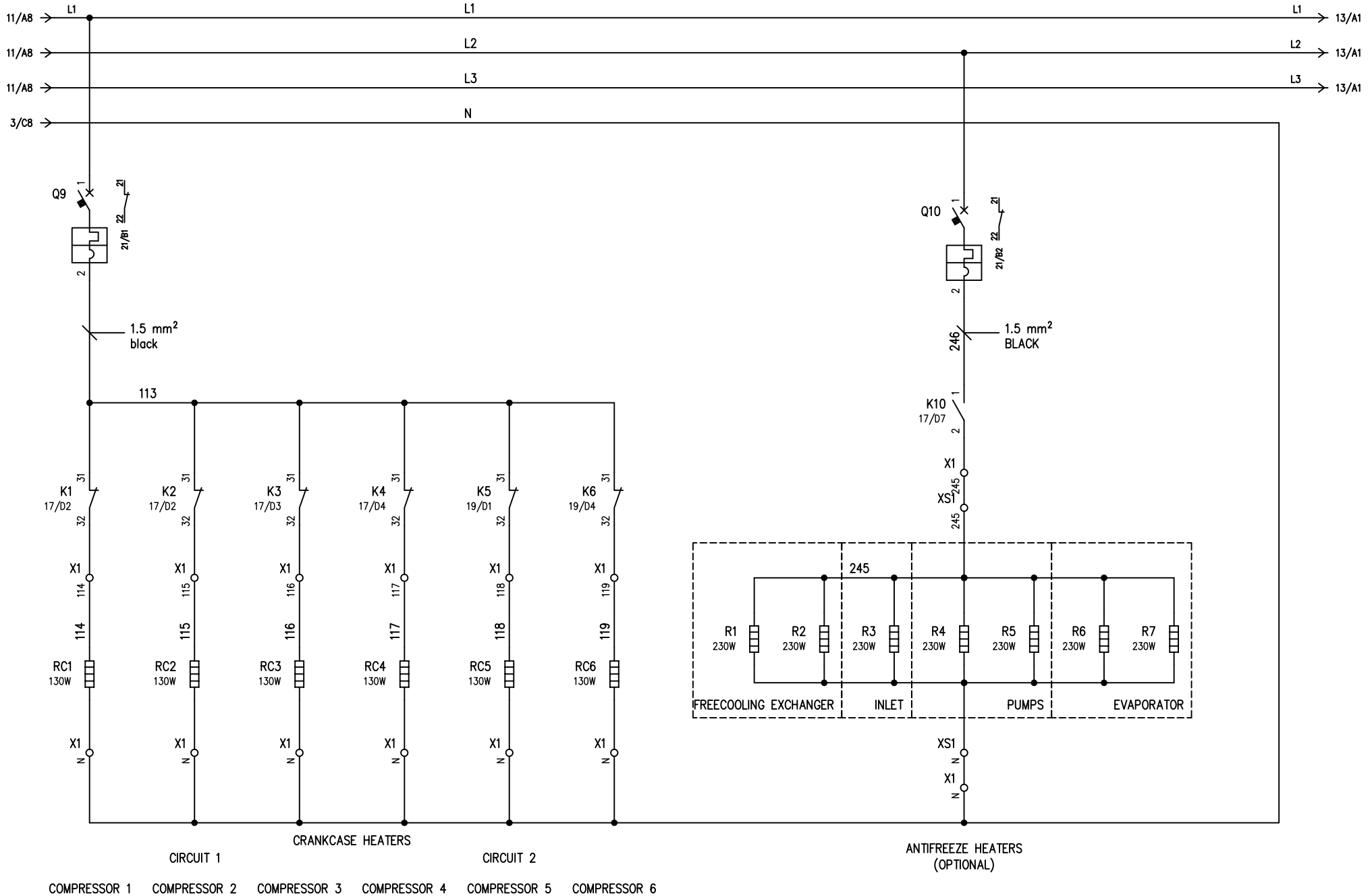
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LAST	DATE	BY	DRAW.	FF1				CONTINUE	11		
A	19-06-2009	FF1	CHECK	FF1				476FL SPECIAL VERSION - FUSES	HF620C1034S	SHEET	10
			APPR.	MM							



REVISION			DATE	14-05-2009	LCE174			TOTAL SHEET	37
LAST	DATE	BY	DRAW.	FF1				CONTINUE	12
A	19-06-2009	FF1	CHECK	FF1	476FL SPECIAL VERSION - FUSES			SHEET	11
			APPR.	MM					

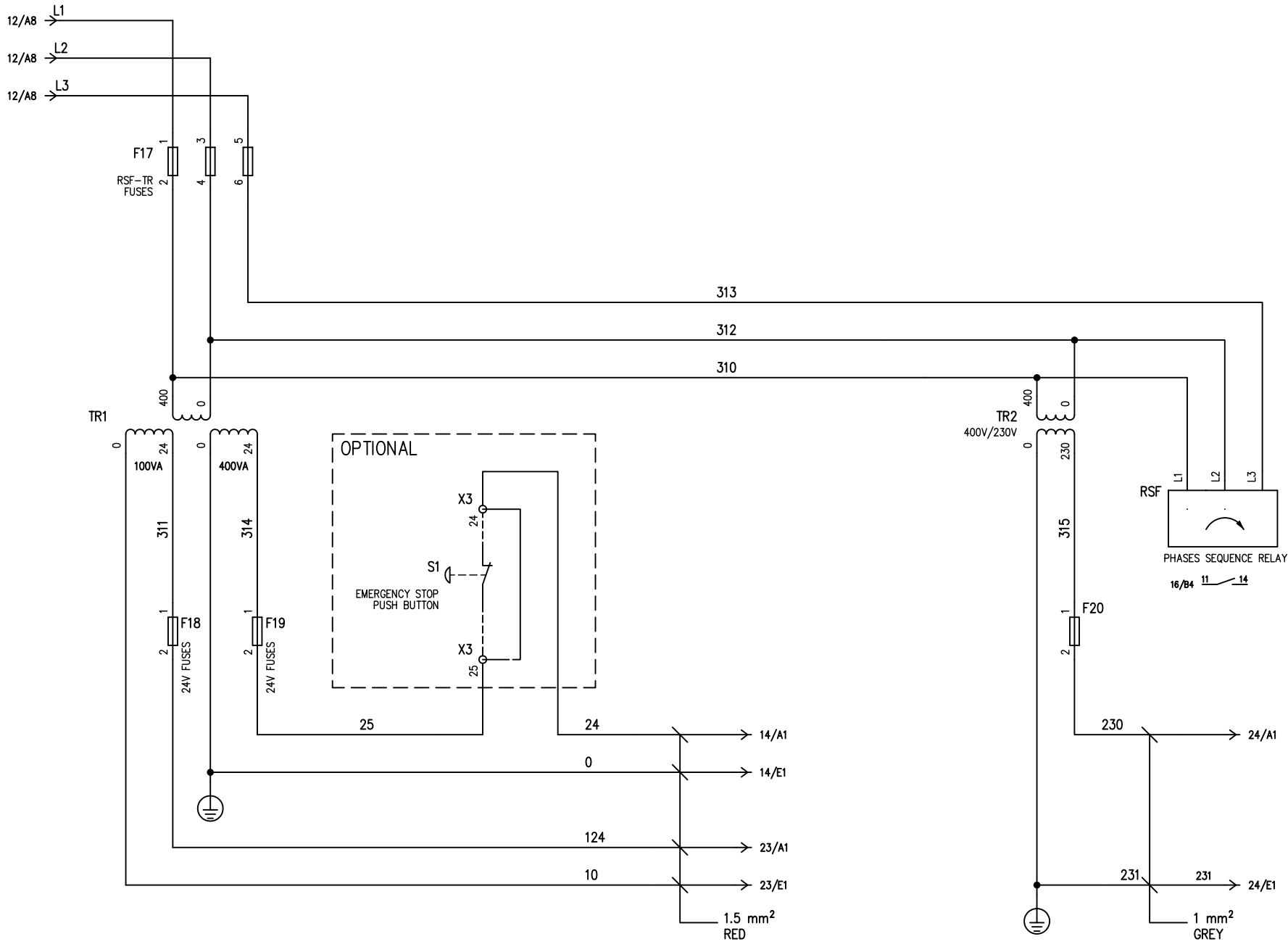


HF620C1034S



REVISION		DATE	14-05-2009	HEATERS			TOTAL SHEET	37
LAST	DATE	BY	DRAW.	FF1			CONTINUE	13
A	19-06-2009	FF1	CHECK	FF1			SHEET	12
			APPR.	MM	476FL SPECIAL VERSION - FUSES		HF620C1034S	





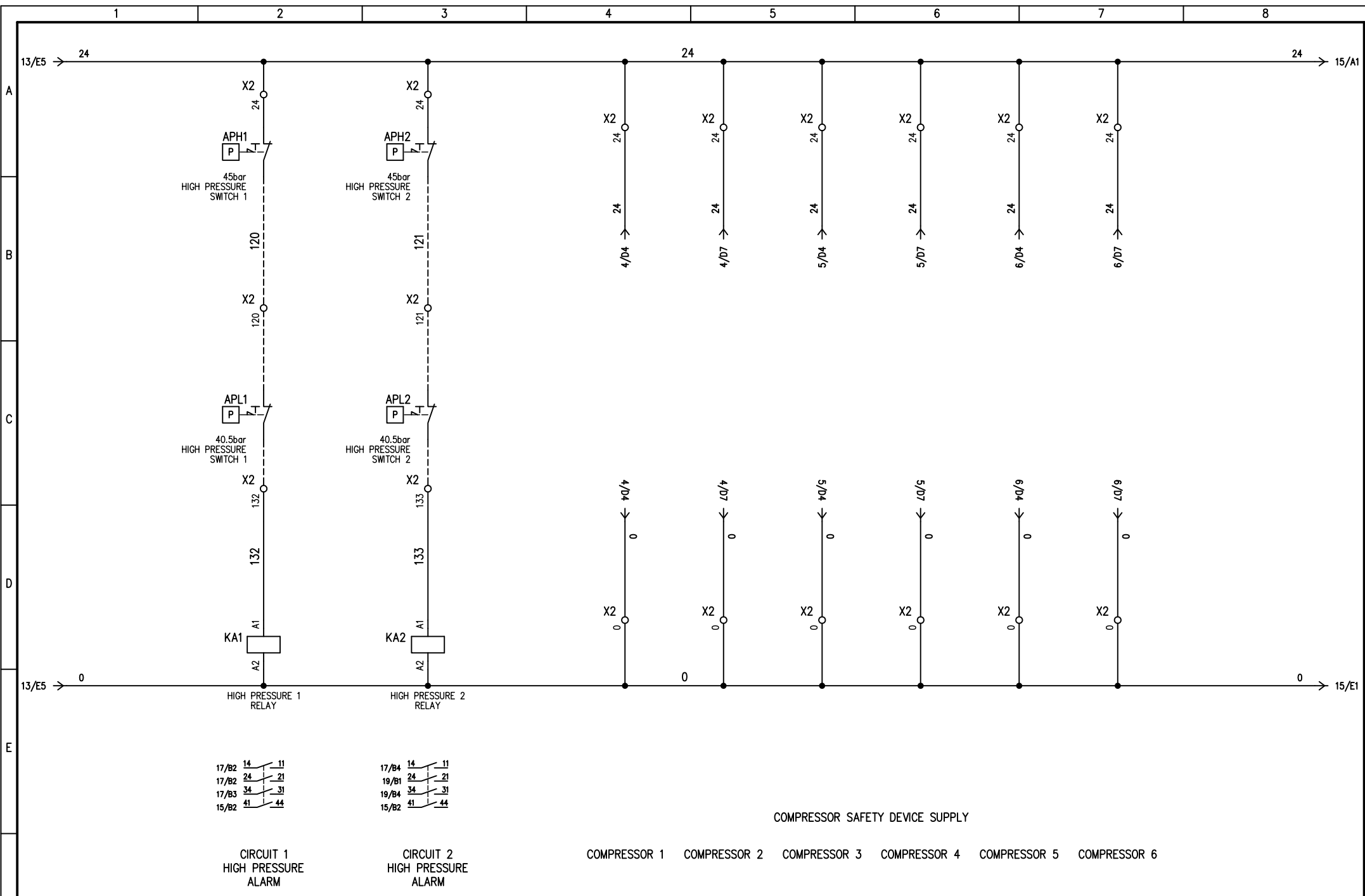
REVISION			DATE
LAST	DATE	BY	14-05-2009
A	19-06-2009	FF1	

DRAW.	FF1
CHECK	FF1
APPR.	MM

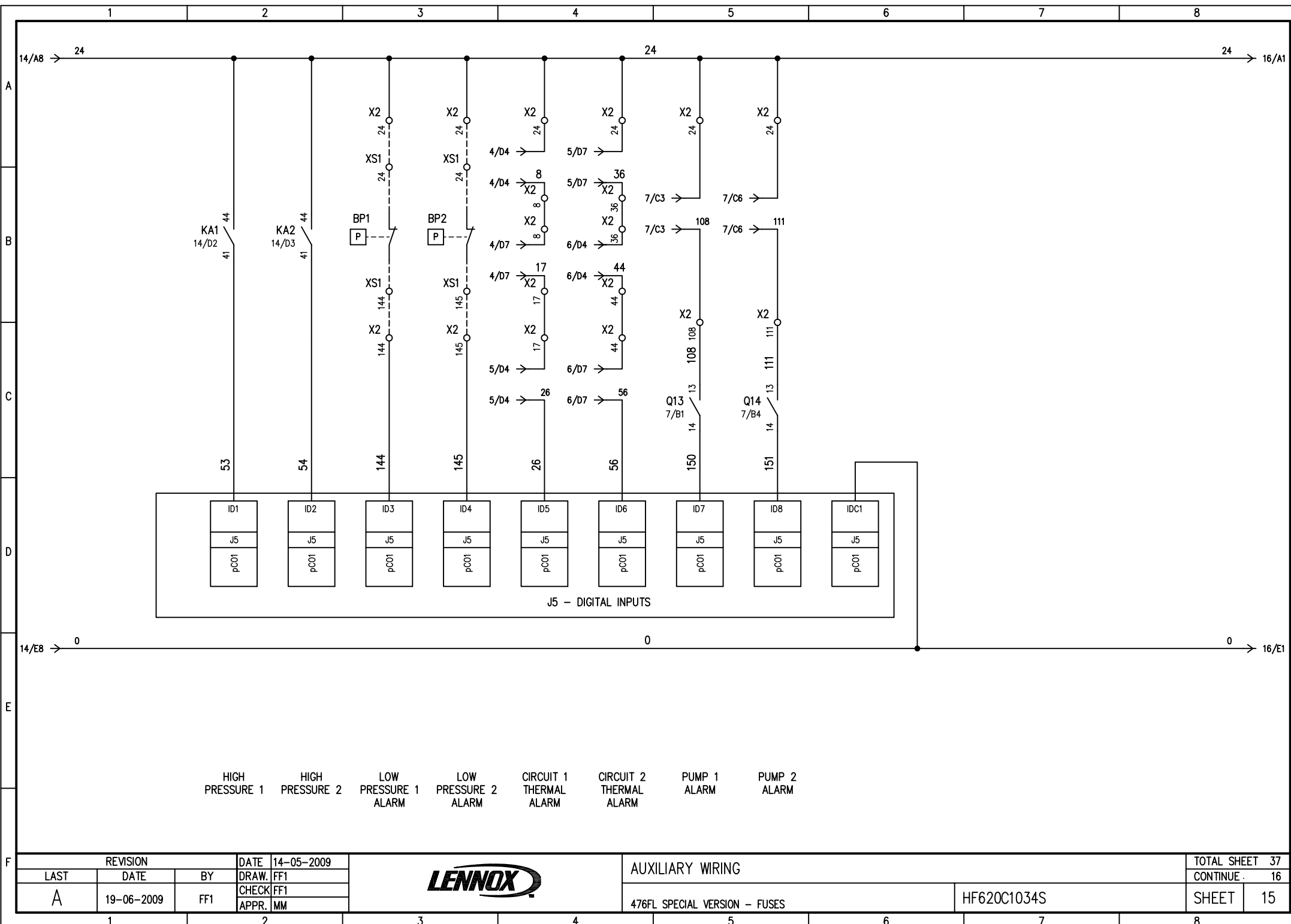


AUXILIARY TRANSFORMERS	
476FL SPECIAL VERSION - FUSES	HF620C1034S


TOTAL SHEET	37
CONTINUE	14
SHEET	13

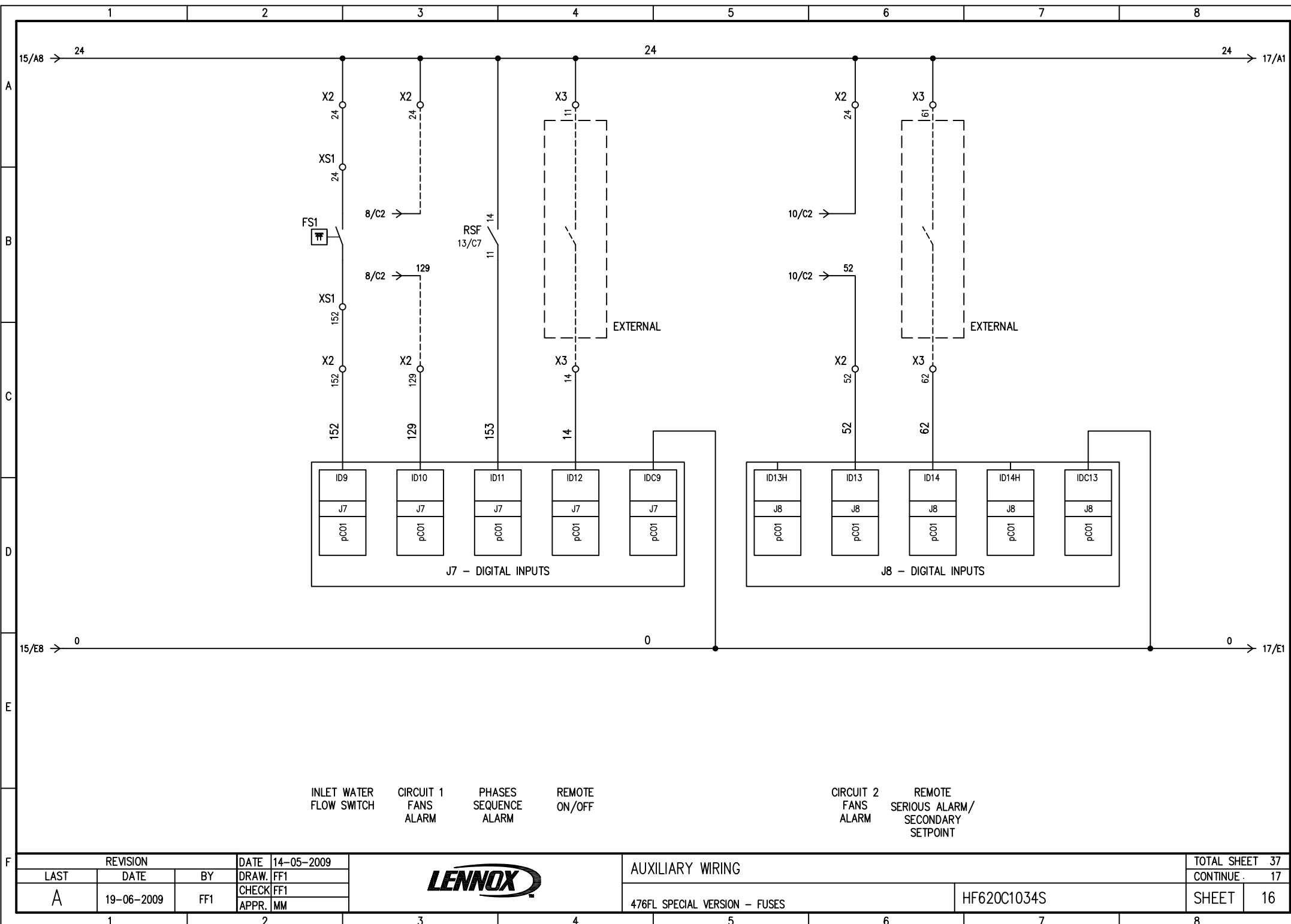


REVISION		DATE	14-05-2009				AUXILIARY WIRING		TOTAL SHEET 37	
LAST	DATE	BY	DRAW.				FF1	476FL SPECIAL VERSION - FUSES		HF620C1034S
A	19-06-2009	FF1	CHECK	FF1				SHEET 14		
			APPR.	MM						



HIGH PRESSURE 1 HIGH PRESSURE 2 LOW PRESSURE 1 LOW PRESSURE 2 CIRCUIT 1 THERMAL ALARM CIRCUIT 2 THERMAL ALARM PUMP 1 ALARM PUMP 2 ALARM

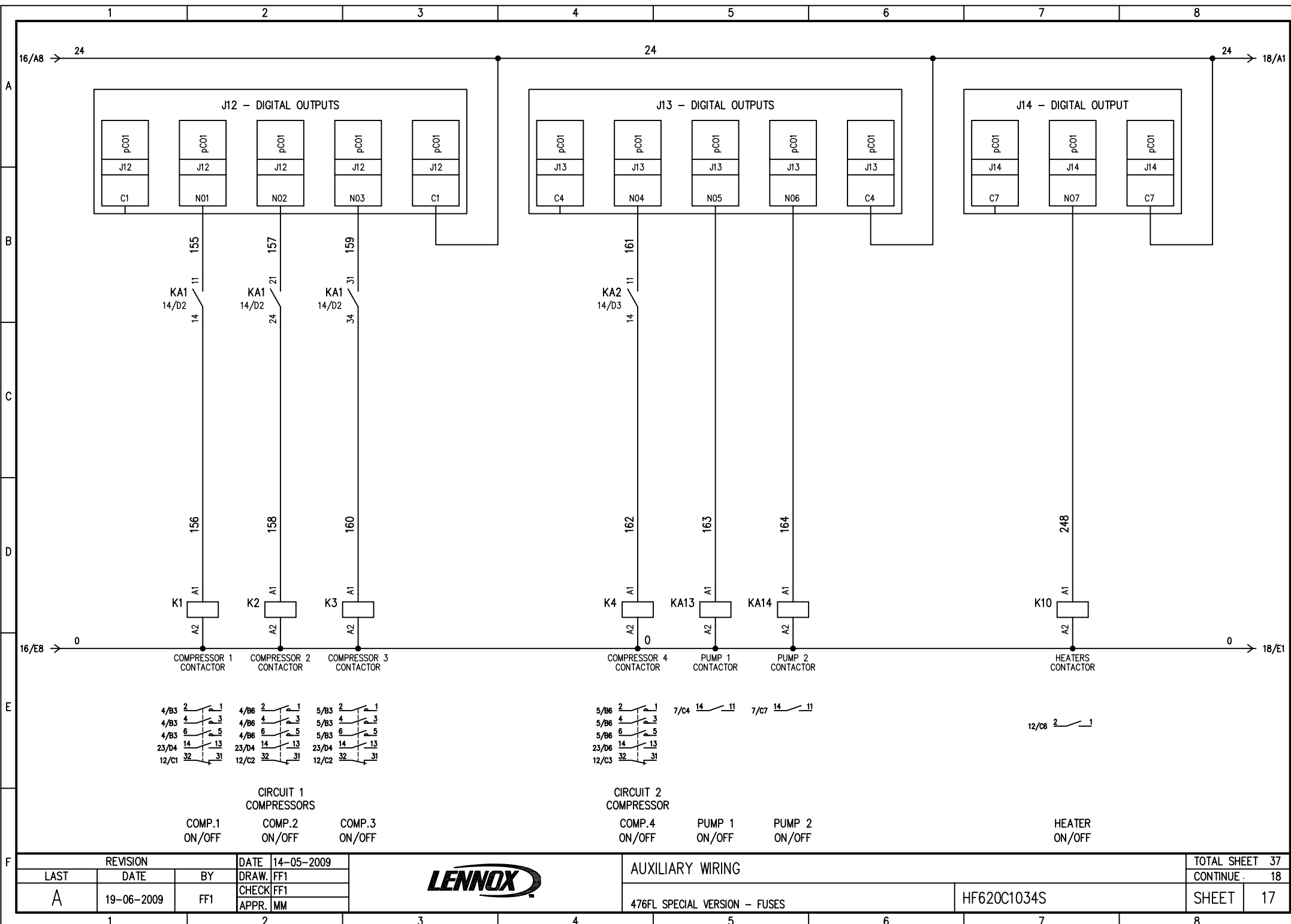
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LAST	DATE	BY	DRAW.					FF1	CONTINUE . 16
A	19-06-2009	FF1	CHECK	FF1	476FL SPECIAL VERSION - FUSES			HF620C1034S	SHEET 15
			APPR.	MM					



INLET WATER FLOW SWITCH CIRCUIT 1 FANS ALARM PHASES SEQUENCE ALARM REMOTE ON/OFF CIRCUIT 2 FANS ALARM REMOTE SERIOUS ALARM/ SECONDARY SETPOINT

REVISION			DATE	14-05-2009	AUXILIARY WIRING				TOTAL SHEET 37	
LAST	DATE	BY	DRAW.	FF1					CONTINUE . 17	
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			APPR.	MM					HF620C1034S	

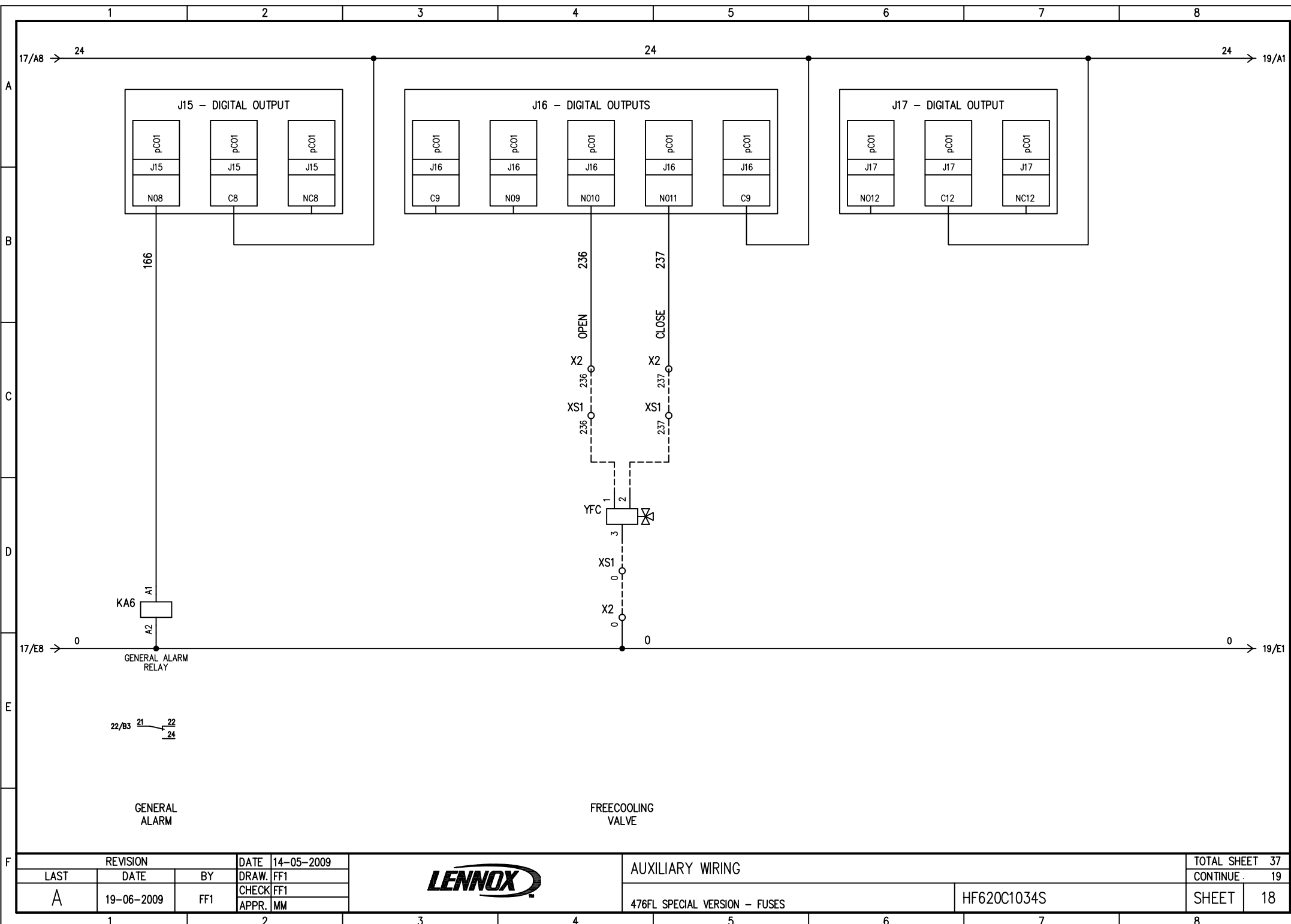




REVISION			DATE
LAST	DATE	BY	14-05-2009
A	19-06-2009	FF1	



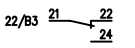
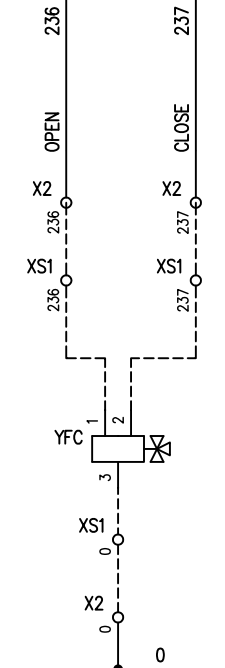
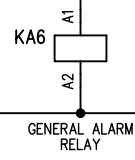
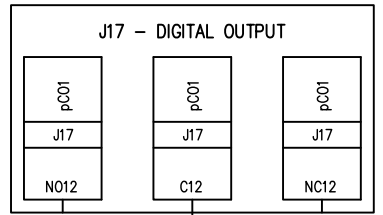
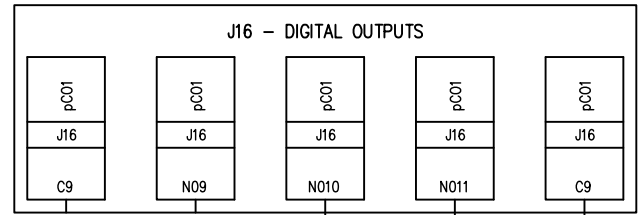
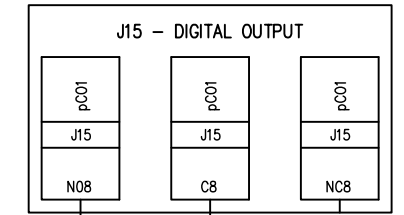
AUXILIARY WIRING		TOTAL SHEET 37
476FL SPECIAL VERSION - FUSES		CONTINUE . 18
HF620C1034S	SHEET	17



17/A8 → 24

24

24 → 19/A1

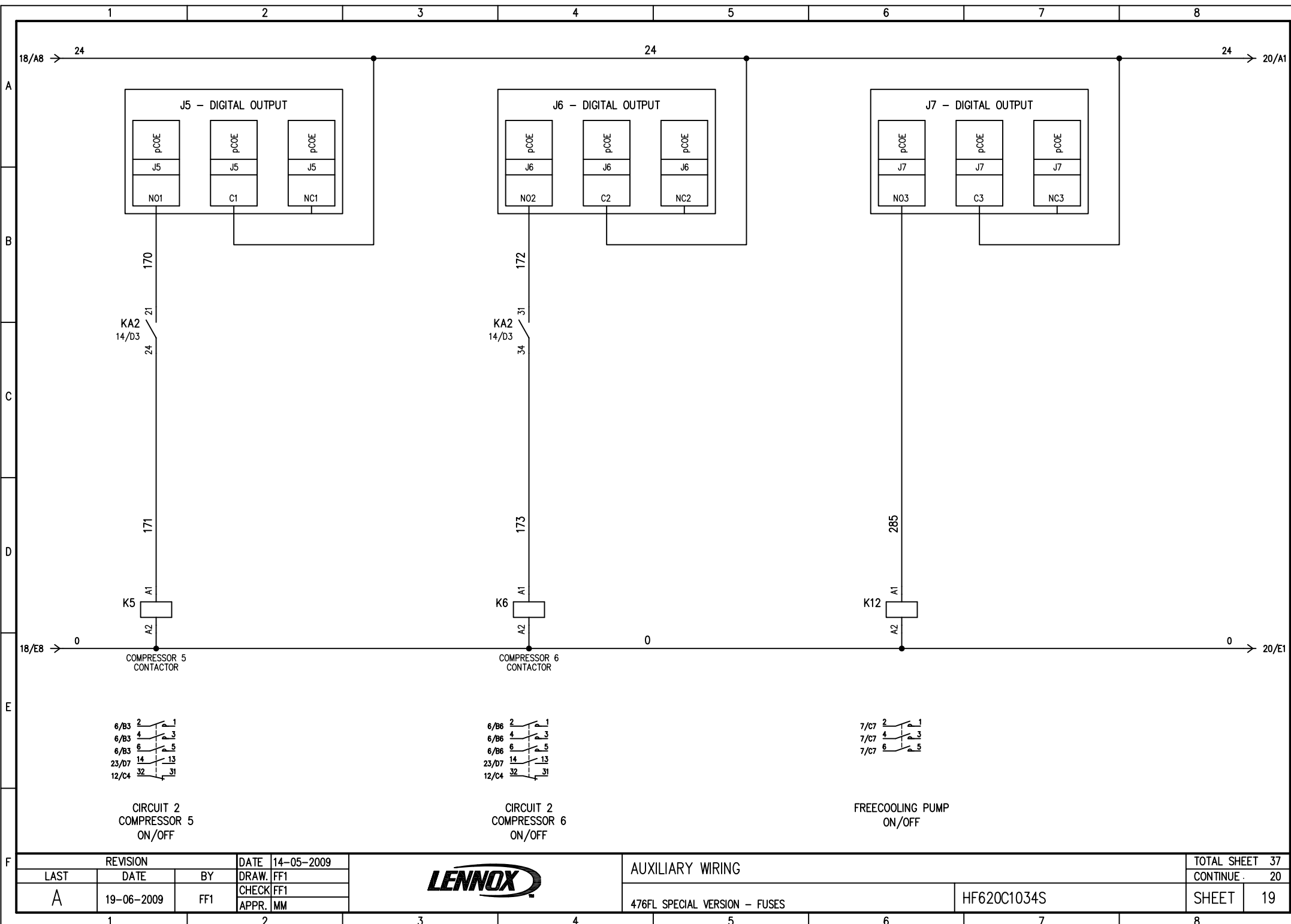


GENERAL ALARM

FREECOOLING VALVE

REVISION			DATE	14-05-2009	AUXILIARY WIRING			TOTAL SHEET 37	
LAST	DATE	BY	DRAW.	FF1				CONTINUE 19	
A	19-06-2009	FF1	CHECK	FF1	476FL SPECIAL VERSION - FUSES			HF620C1034S	
			APPR.	MM				SHEET 18	



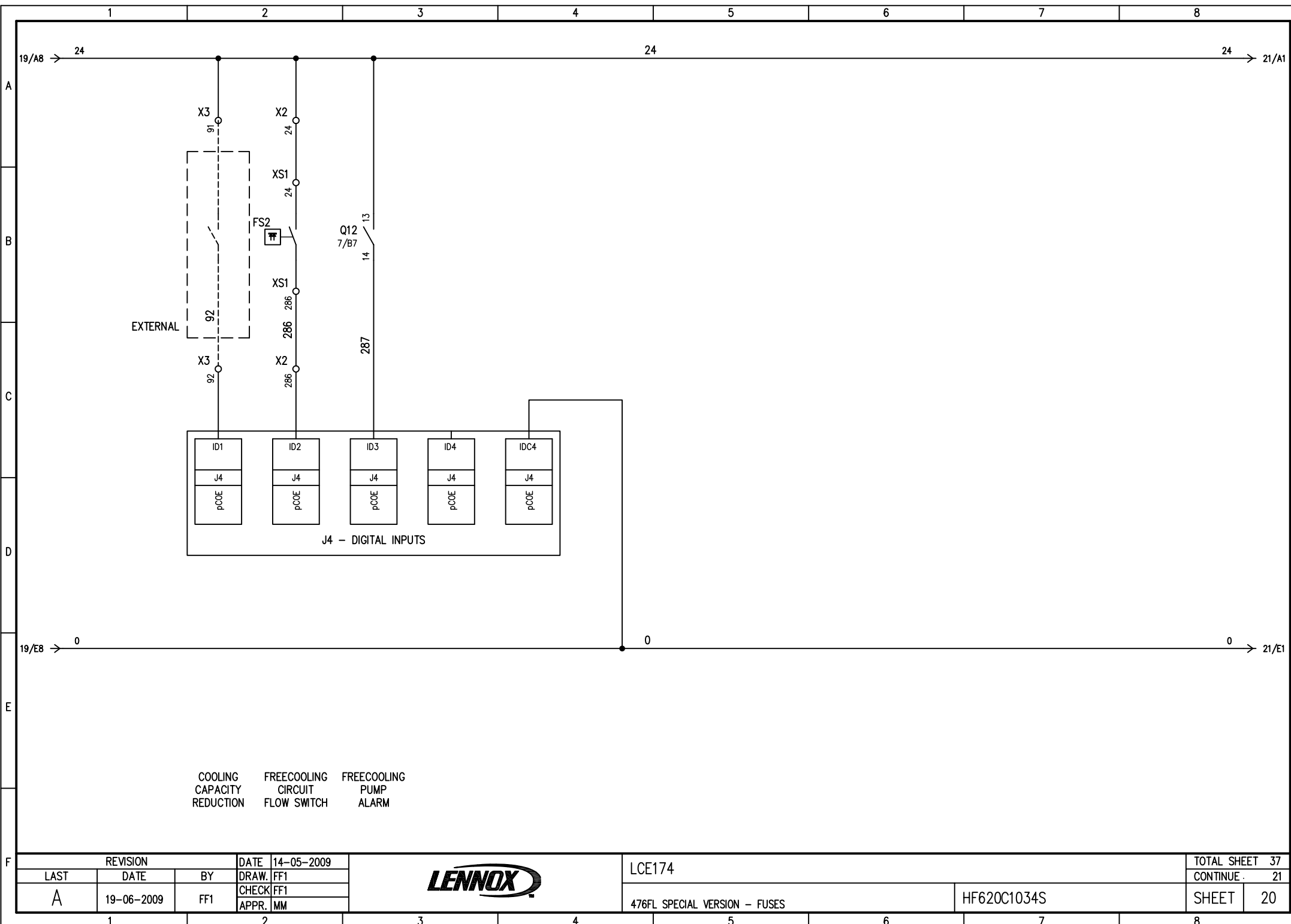


CIRCUIT 2
COMPRESSOR 5
ON/OFF

CIRCUIT 2
COMPRESSOR 6
ON/OFF

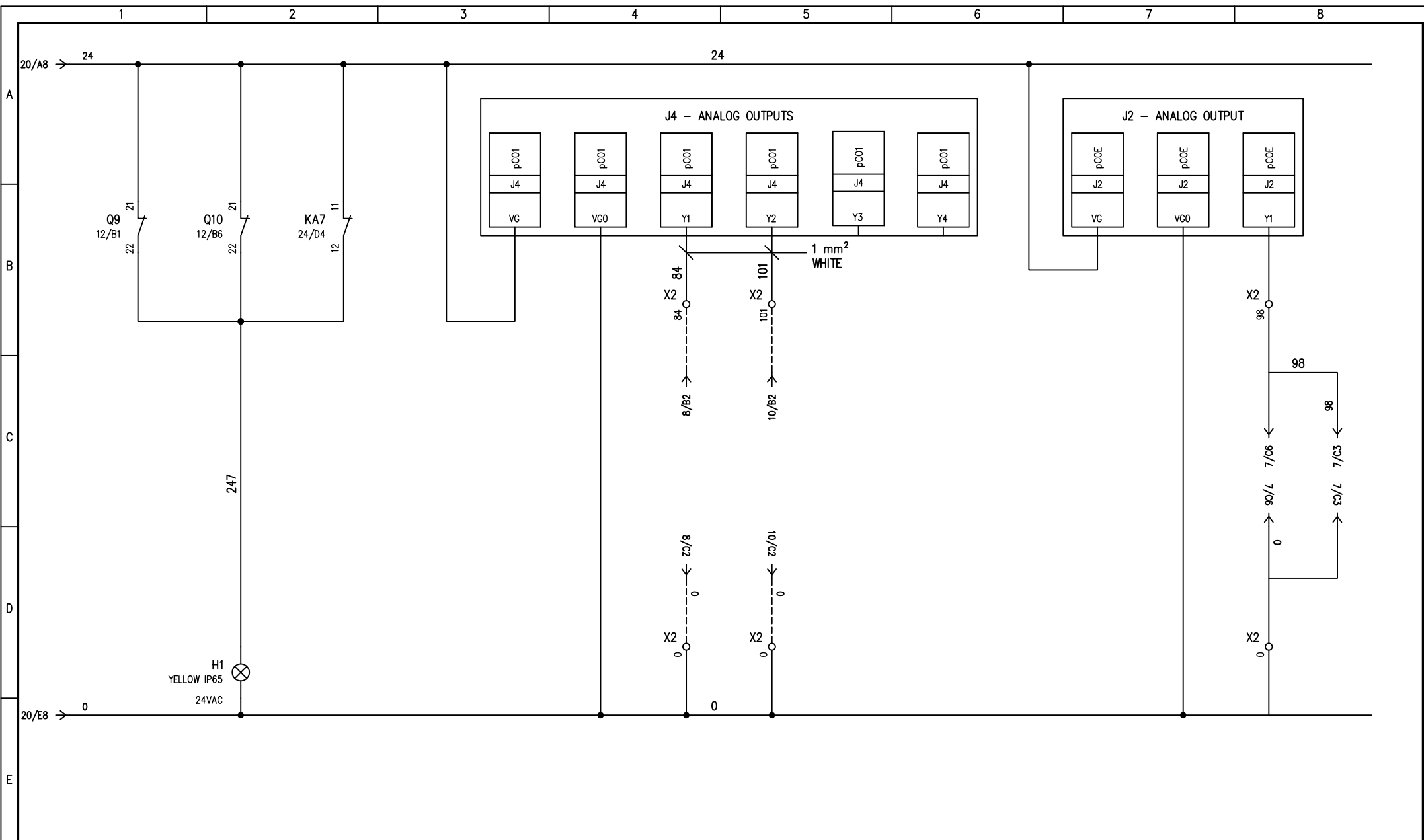
FREECOOLING PUMP
ON/OFF

REVISION		DATE	14-05-2009	AUXILIARY WIRING			TOTAL SHEET	37		
LAST	DATE	BY	DRAW. FF1				CONTINUE	20		
A	19-06-2009	FF1	CHECK FF1				476FL SPECIAL VERSION - FUSES	HF620C1034S	SHEET	19
			APPR. MM							



COOLING CAPACITY REDUCTION FREECOOLING CIRCUIT FLOW SWITCH FREECOOLING PUMP ALARM

REVISION			DATE	14-05-2009		LCE174	TOTAL SHEET 37	
LAST	DATE	BY	DRAW.	FF1			CONTINUE . 21	
A	19-06-2009	FF1	CHECK	FF1				SHEET 20
			APPR.	MM		476FL SPECIAL VERSION - FUSES	HF620C1034S	




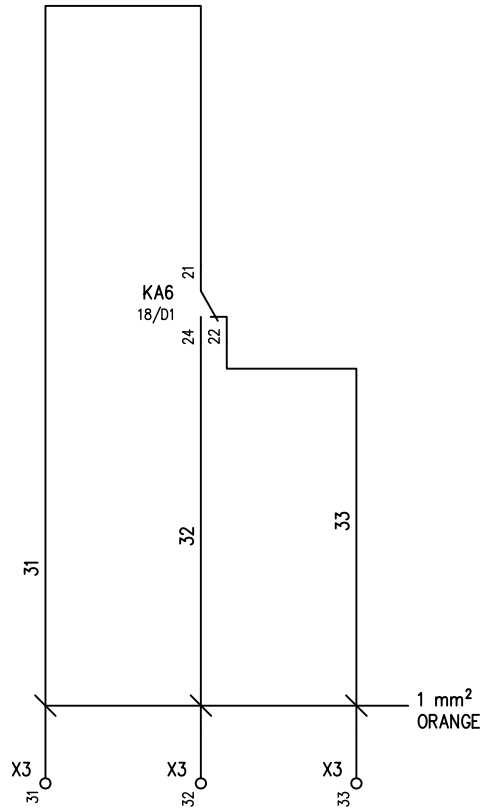
WARNING

FAN SPEED CONTROL SIGNAL

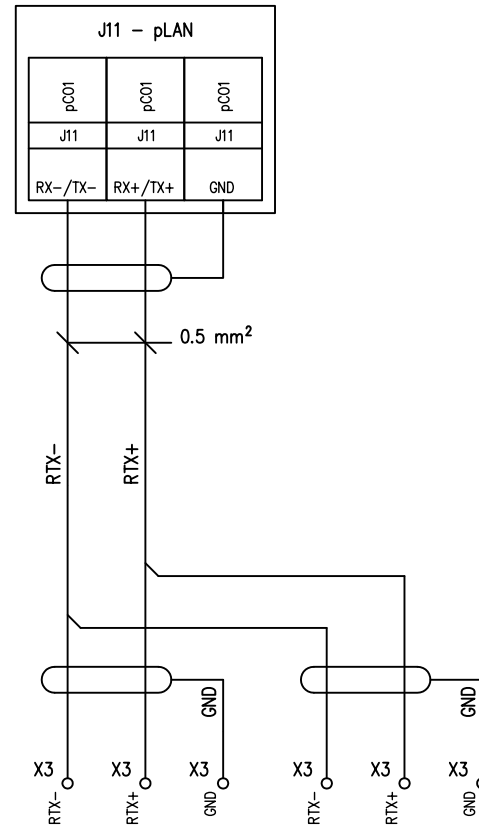
PUMPS INVERTERS
SPEED CONTROL
(0-10V)

CIRCUIT 1 CIRCUIT 2

REVISION		DATE	14-05-2009				TOTAL SHEET 37		
LAST	DATE	BY	DRAW.				FF1	CONTINUE . 22	
A	19-06-2009	FF1	CHECK				FF1	SHEET 21	
			APPR.				MM		
AUXILIARY WIRING						HF620C1034S			
476FL SPECIAL VERSION - FUSES									



SERIOUS ALARM
SIGNAL



pLAN CONNECTION

REVISION			DATE	14-05-2009
LAST	DATE	BY	DRAW.	FF1
A	19-06-2009	FF1	CHECK	FF1
			APPR.	MM

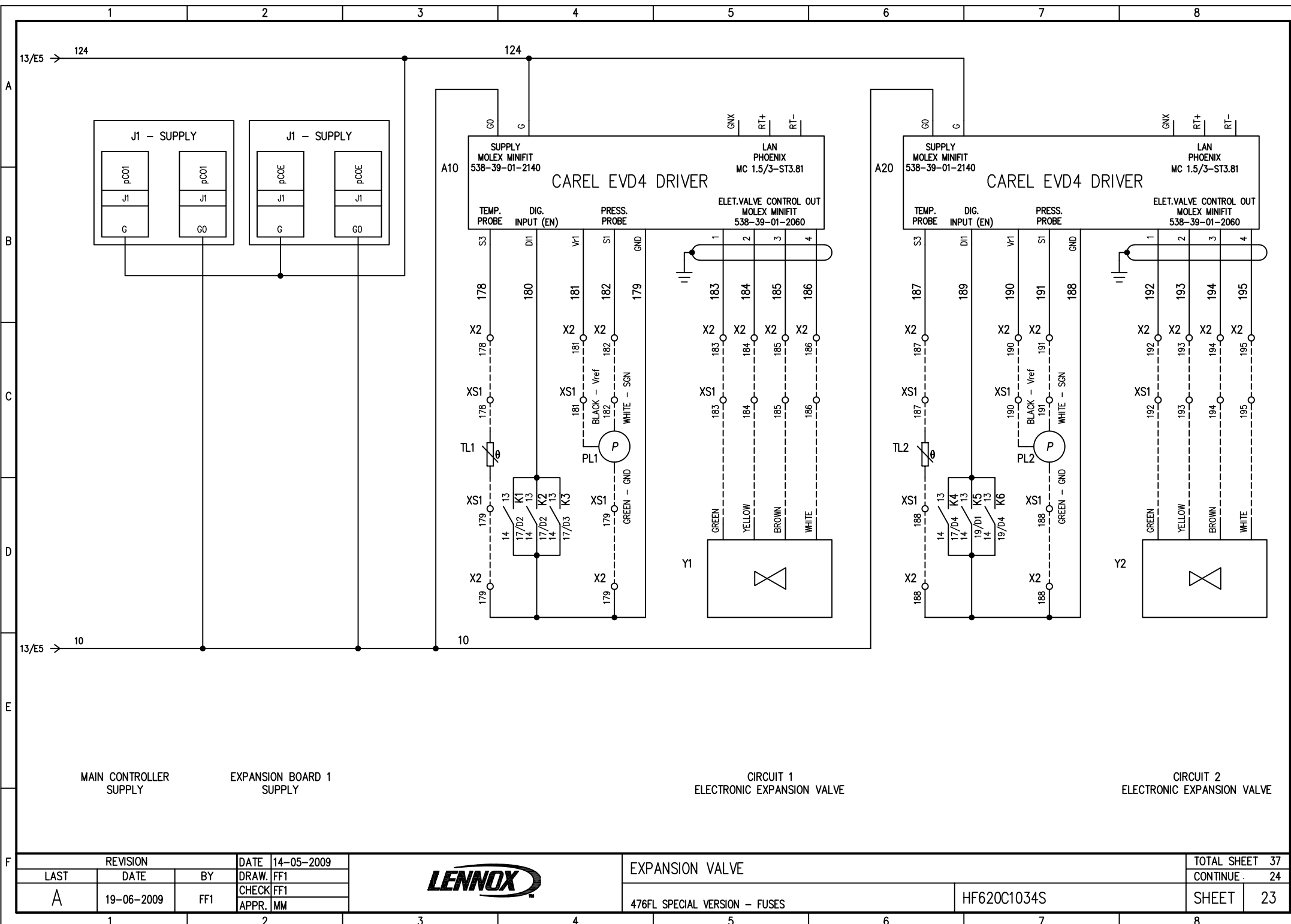


AUXILIARY WIRING

476FL SPECIAL VERSION - FUSES

HF620C1034S

TOTAL SHEET	37
CONTINUE	23
SHEET	22



MAIN CONTROLLER
SUPPLY

EXPANSION BOARD 1
SUPPLY

CIRCUIT 1
ELECTRONIC EXPANSION VALVE

CIRCUIT 2
ELECTRONIC EXPANSION VALVE

REVISION		DATE	14-05-2009	EXPANSION VALVE			TOTAL SHEET	37
LAST	DATE	BY	DRAW.	FF1	CONTINUE			24
A	19-06-2009	FF1	CHECK	FF1	SHEET			23
			APPR.	MM	476FL SPECIAL VERSION - FUSES		HF620C1034S	



EXPANSION VALVE

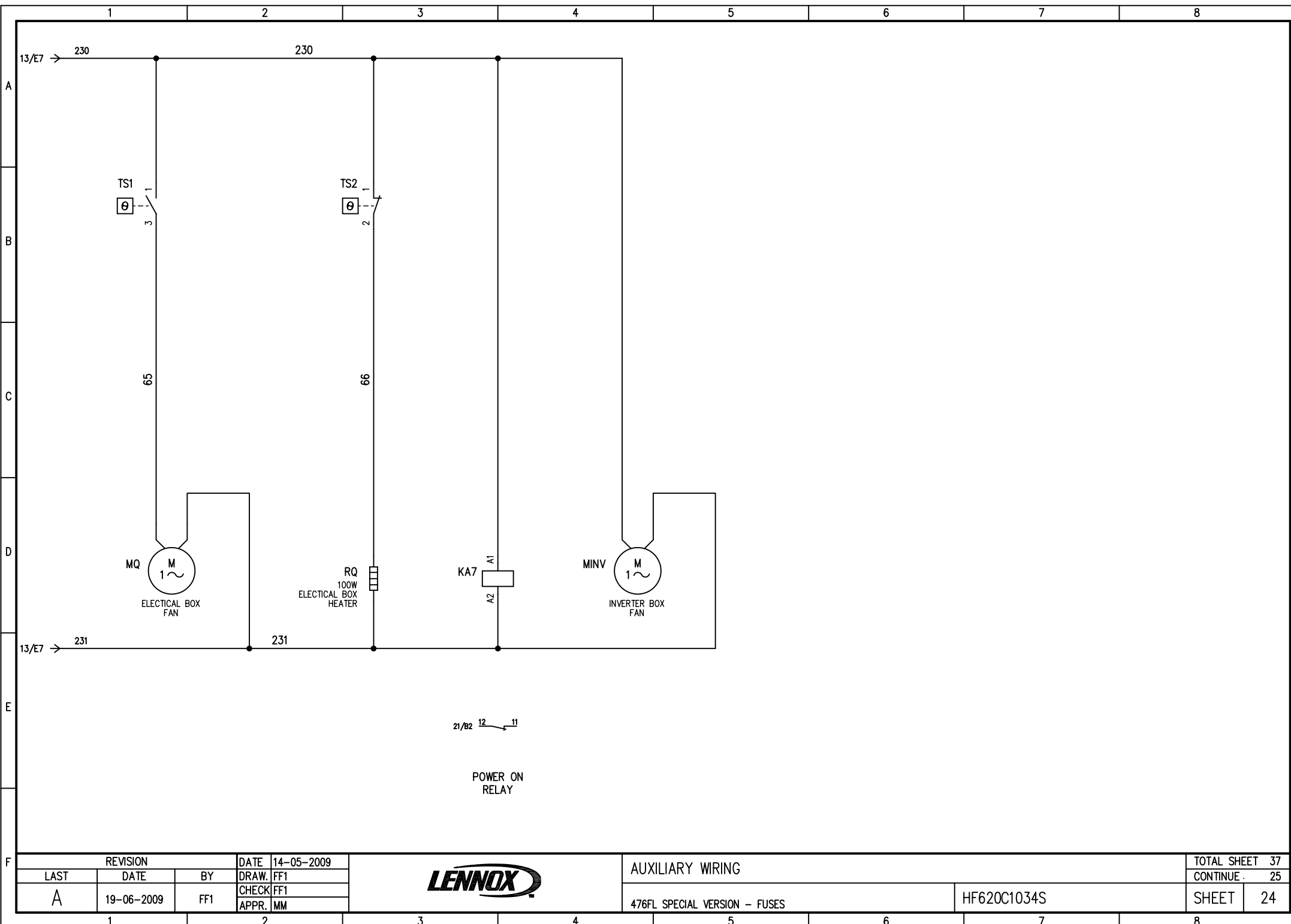
476FL SPECIAL VERSION - FUSES

HF620C1034S

TOTAL SHEET 37

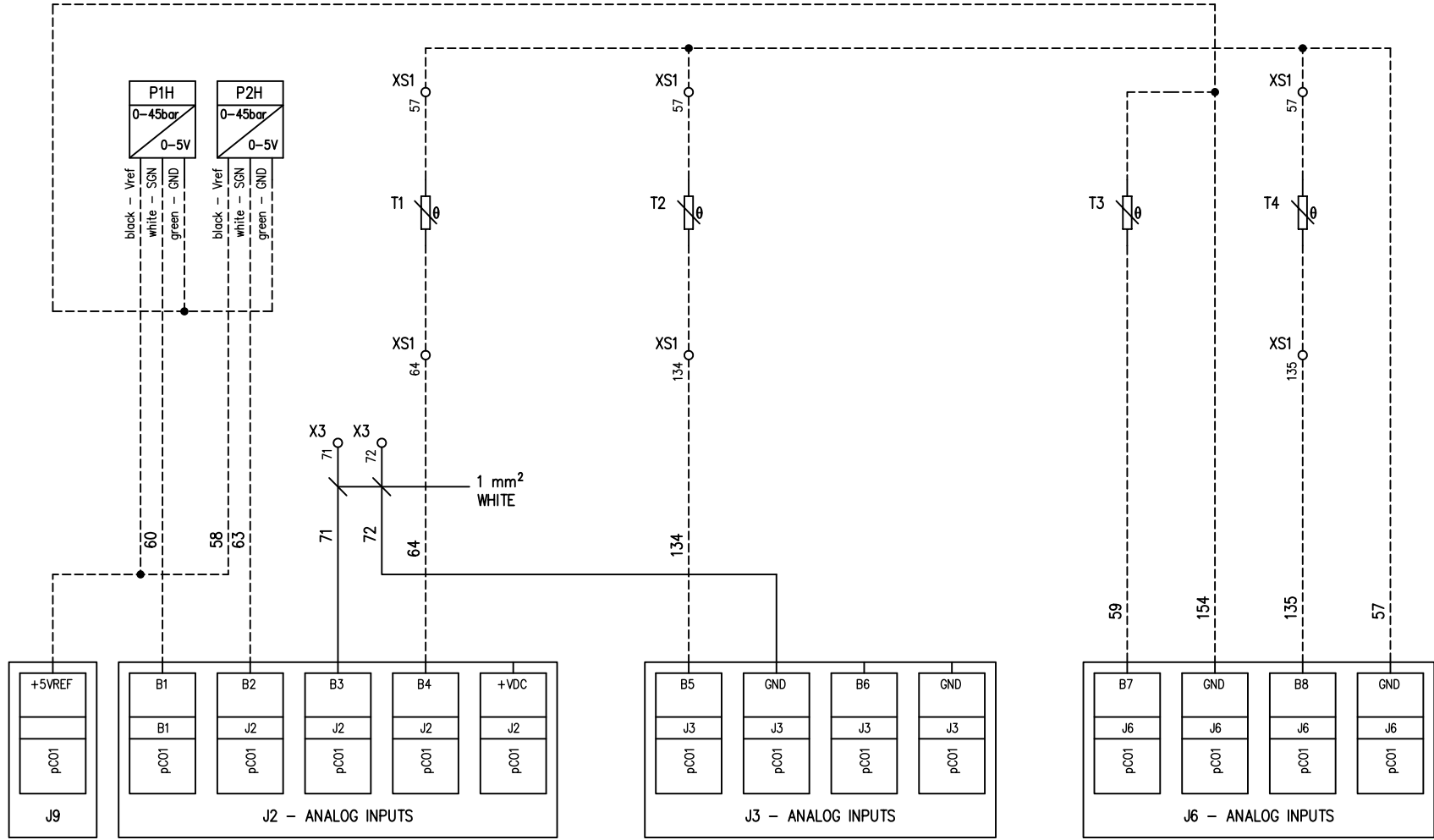
CONTINUE 24

SHEET 23



REVISION			DATE	14-05-2009	AUXILIARY WIRING				TOTAL SHEET 37	
LAST	DATE	BY	DRAW.	FF1					CONTINUE . 25	
A	19-06-2009	FF1	CHECK	FF1	476FL SPECIAL VERSION - FUSES				SHEET	24
			APPR.	MM	HF620C1034S					





CIRCUIT 1
CONDENSER
PRESSURE
PROBE

CIRCUIT 2
CONDENSER
PRESSURE
PROBE

REMOTE
SETPOINT
ADJUST
(4-20mA)

INLET
WATER
TEMPERATURE
PROBE

EVAPORATOR
OUTLET WATER
TEMPERATURE
PROBE

OUTDOOR
AIR
TEMPERATURE
PROBE

FREECOOLING
TEMPERATURE
PROBE

REVISION			DATE	14-05-2009
LAST	DATE	BY	DRAW.	FF1
A	19-06-2009	FF1	CHECK	FF1
			APPR.	MM



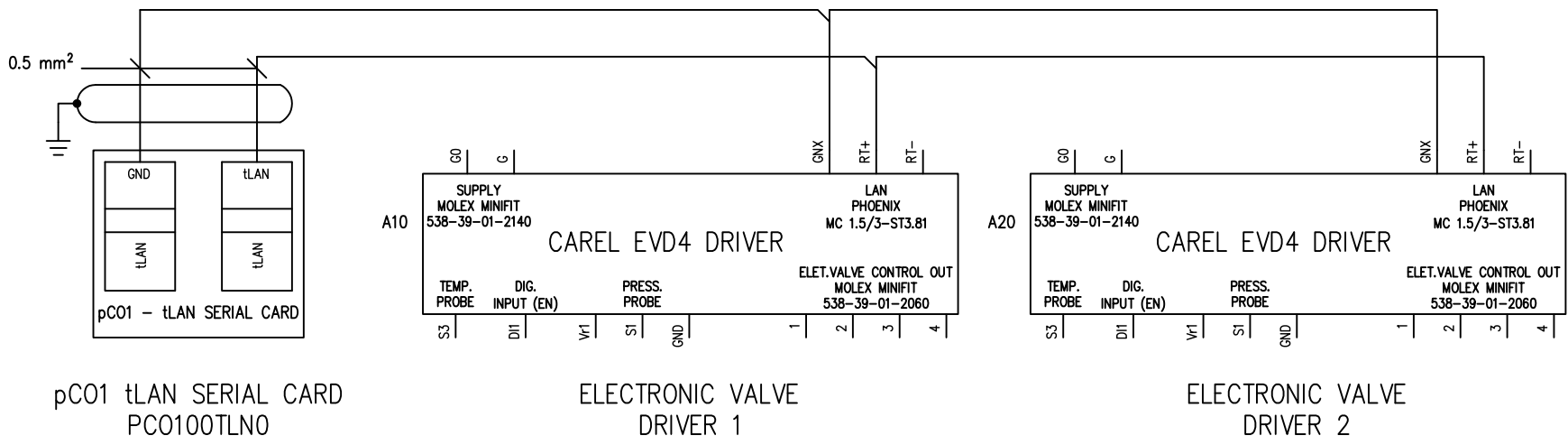
PROBES

476FL SPECIAL VERSION - FUSES

HF620C1034S

TOTAL SHEET	37
CONTINUE	26
SHEET	25

tLAN CONNECTION



pC01 tLAN SERIAL CARD
PC0100TLN0

ELECTRONIC VALVE
DRIVER 1

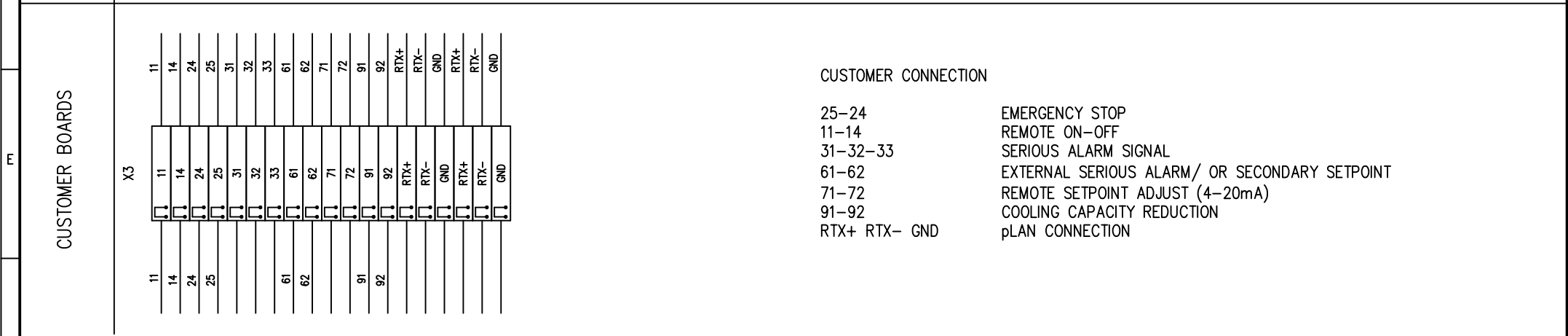
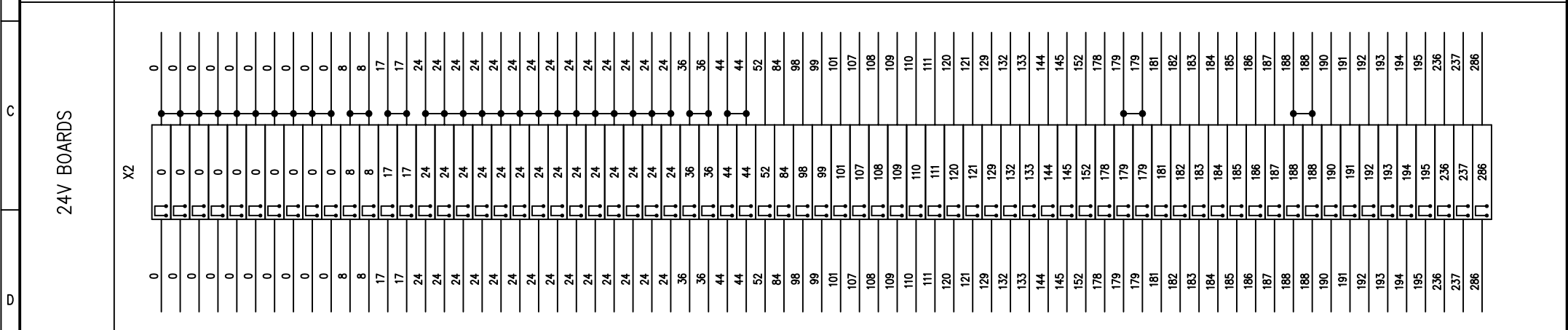
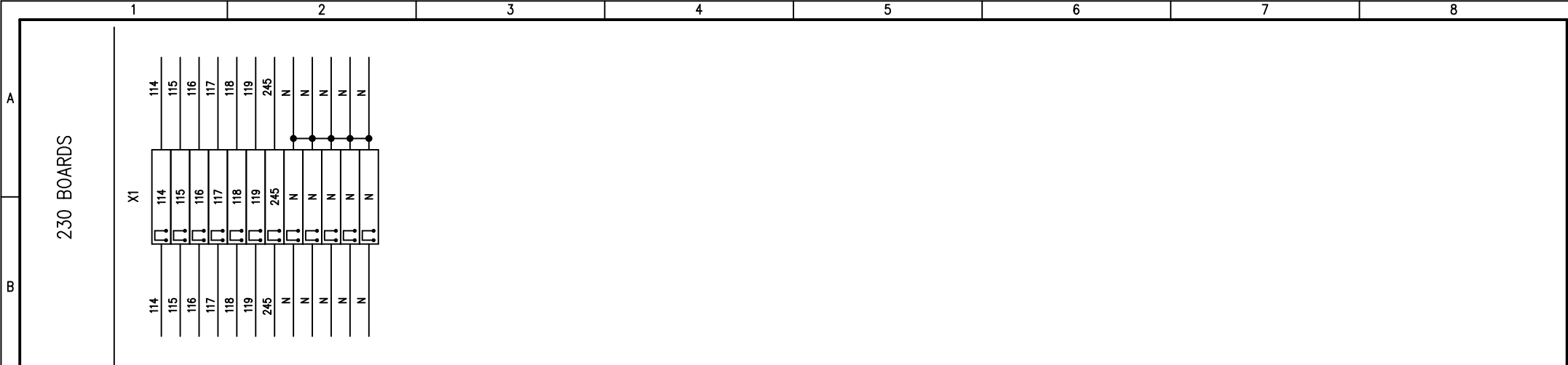
ELECTRONIC VALVE
DRIVER 2

REVISION			DATE	14-05-2009
LAST	DATE	BY	DRAW.	FF1
A	19-06-2009	FF1	CHECK	FF1
			APPR.	MM



tLAN CONNECTION		TOTAL SHEET	37
476FL SPECIAL VERSION - FUSES		CONTINUE	27
HF620C1034S		SHEET	26

TOTAL SHEET	37
CONTINUE	27
SHEET	26



REVISION		DATE	14-05-2009	BOARDS SUMMARY			TOTAL SHEET	37	
LAST	DATE	BY	DRAW. FF1	476FL SPECIAL VERSION - FUSES			CONTINUE .	28	
A	19-06-2009	FF1	CHECK FF1				HF620C1034S	SHEET	27
			APPR. MM						



XS1 – JUNCTION BOX (INTERNAL USE ONLY)

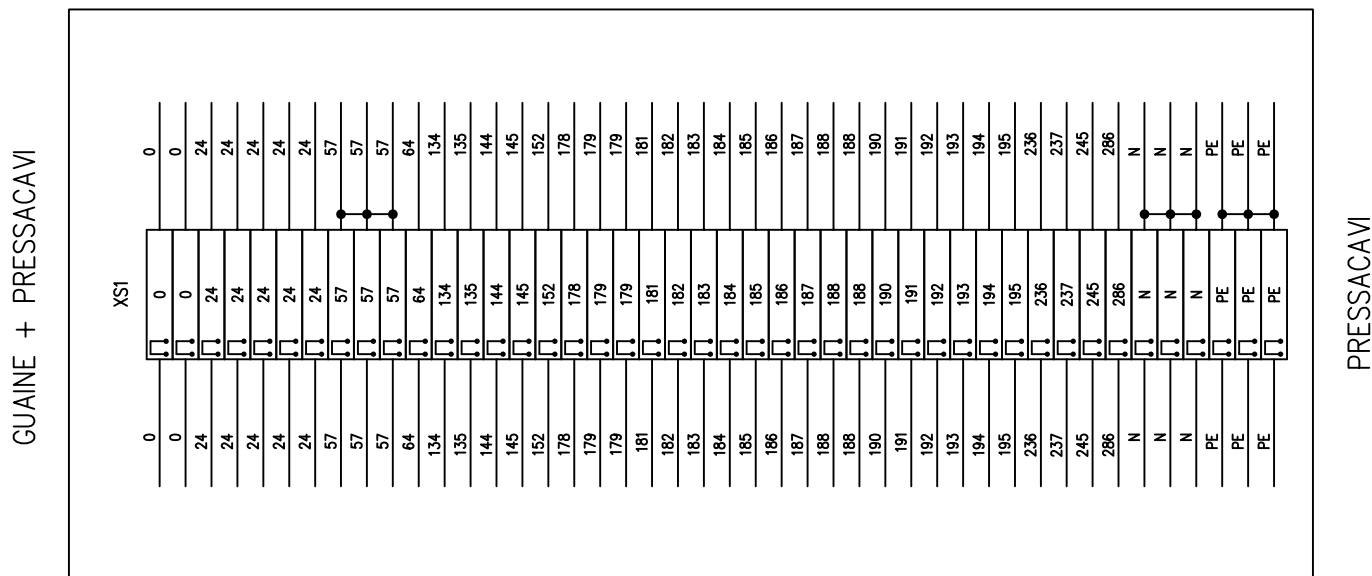
INTERNAL NOTE (INTERNAL USE ONLY)

- LUNGHEZZA GUAINA 4200mm
- LUNGHEZZA FILI FUORI DALLA GUAINA LATO QUADRO 2000mm
- USARE PRESSAGUAINA CHE POSSANO ESSERE MONTATI IN UN FORO DA 22mm
- GUAINA E PRESSAGUAINA RESISTENTI UV
- COMPLESSIVAMENTE DEVONO ESSERCI 18 PRESSACAVI PG13.5
- USARE SOLO FILI 1mm PER IL FILI ROSSI E DA 1.5mm PER QUELLI BLU E NERI
- USARE AL MASSIMO 3 GUAINA
- UTILIZARE MORSETTI TWIN DA 1.5mm
- SCATOLA 240X190X90 RESISTENTE UV (ELETTO CANALI)

COMPONENTS CONNECTED

- PRESSOSTATI DI BASSA
- VALVOLE ELETTRONICHE
- SENSORI DI BASSA PER VALVOLA ELETTRONICA
- RESISTENZE
- FLUSSOSTATO 1 E 2
- VALVOLA FREECOOLING
- SONDE TEMPERATURA INGRESSO E USCITA
- SONDA FREECOOLING
- SONDE TEMPERATURA VOLAVOLA ELETTRONICA
- VALVOLE INVERSIONE CICLO

PRESSACAVI



SU QUESTO LATO NON DEVONO ESSERCI NE PRESSACAVI NE GUAINA

REVISION			DATE	14-05-2009
LAST	DATE	BY	DRAW.	FF1
A	19-06-2009	FF1	CHECK	FF1
			APPR.	MM



JUNCTION BOX KIT

476FL SPECIAL VERSION – FUSES

HF620C1034S

TOTAL SHEET		37
CONTINUE .		29
SHEET	28	

1	2		3	4	5	6	7	8		
ID	FUNCTION	MANUFACTURER	CODE	DESCRIPTION	QUANTITY	U.M.	POSITION			
K1	COMPRESSOR 1 CONTACTOR	SIEMENS	3RT1045-1AB00	TELER.37kW BOBINA 24V	1	PCE				
K2	COMPRESSOR 2 CONTACTOR	SIEMENS	3RT1045-1AB00	TELER.37kW BOBINA 24V	1	PCE				
K3	COMPRESSOR 3 CONTACTOR	SIEMENS	3RT1045-1AB00	TELER.37kW BOBINA 24V	1	PCE				
K4	COMPRESSOR 4 CONTACTOR	SIEMENS	3RT1045-1AB00	TELER.37kW BOBINA 24V	1	PCE				
K5	COMPRESSOR 5 CONTACTOR	SIEMENS	3RT1045-1AB00	TELER.37kW BOBINA 24V	1	PCE				
K6	COMPRESSOR 6 CONTACTOR	SIEMENS	3RT1045-1AB00	TELER.37kW BOBINA 24V	1	PCE				
K1	COMPRESSOR 1 AUXILIARY SWITCH	SIEMENS	3RH1921-1FA22	CONT.AUS.FRONTALE 2NA+2NC	1	PCE				
K2	COMPRESSOR 2 AUXILIARY SWITCH	SIEMENS	3RH1921-1FA22	CONT.AUS.FRONTALE 2NA+2NC	1	PCE				
K3	COMPRESSOR 3 AUXILIARY SWITCH	SIEMENS	3RH1921-1FA22	CONT.AUS.FRONTALE 2NA+2NC	1	PCE				
K4	COMPRESSOR 4 AUXILIARY SWITCH	SIEMENS	3RH1921-1FA22	CONT.AUS.FRONTALE 2NA+2NC	1	PCE				
K5	COMPRESSOR 5 AUXILIARY SWITCH	SIEMENS	3RH1921-1FA22	CONT.AUS.FRONTALE 2NA+2NC	1	PCE				
K6	COMPRESSOR 6 AUXILIARY SWITCH	SIEMENS	3RH1921-1FA22	CONT.AUS.FRONTALE 2NA+2NC	1	PCE				
REVISION		DATE	14-05-2009		MATERIALS LIST				TOTAL SHEET 37	
LAST	DATE	BY	DRAW.	FF1					CONTINUE . 30	
A	19-06-2009	FF1	CHECK	FF1					SHEET 29	
			APPR.	MM	476FL SPECIAL VERSION - FUSES				HF620C1034S	






MATERIALS LIST

476FL SPECIAL VERSION - FUSES

HF620C1034S

TOTAL SHEET 37
CONTINUE . 30
SHEET 29

1	2		3	4	5	6	7	8																																				
ID	FUNCTION	MANUFACTURER	CODE	DESCRIPTION	QUANTITY	U.M.	POSITION																																					
QS	MAIN SWITCH	SIEMENS	3KA71 41-4AA00	SEZIONATORE 4 POLI 630A	1	PCE																																						
QS	RED/YELLOW HANDLE	SIEMENS	3KA71 13-4AB00	MANOVRA GIALLO ROSSA	1	PCE																																						
QS	EXTENSION	SIEMENS	3KA71 16-5AD00	PROLUNGA PER MANOVRA 400mm	1	PCE																																						
F1	COMPRESSOR 1 FUSES BOX	SIEMENS	3NP40 16-1CJ01	PORTAFUSIBILE TRIPOLARE NH PER FISSAGGIO SU BARRA	1	PCE																																						
F1	COMPRESSOR 1 FUSES	UN	-	FUSIBILE NH00 80A gG	3	PCE																																						
F2	COMPRESSOR 2 FUSES BOX	SIEMENS	3NP40 16-1CJ01	PORTAFUSIBILE TRIPOLARE NH PER FISSAGGIO SU BARRA	1	PCE																																						
F2	COMPRESSOR 2 FUSES	UN	-	FUSIBILE NH00 80A gG	3	PCE																																						
F3	COMPRESSOR 3 FUSES BOX	SIEMENS	3NP40 16-1CJ01	PORTAFUSIBILE TRIPOLARE NH PER FISSAGGIO SU BARRA	1	PCE																																						
F3	COMPRESSOR 3 FUSES	UN	-	FUSIBILE NH00 80A gG	3	PCE																																						
F4	COMPRESSOR 4 FUSES BOX	SIEMENS	3NP40 16-1CJ01	PORTAFUSIBILE TRIPOLARE NH PER FISSAGGIO SU BARRA	1	PCE																																						
F4	COMPRESSOR 4 FUSES	UN	-	FUSIBILE NH00 80A gG	3	PCE																																						
F5	COMPRESSOR 5 FUSES BOX	SIEMENS	3NP40 16-1CJ01	PORTAFUSIBILE TRIPOLARE NH PER FISSAGGIO SU BARRA	1	PCE																																						
F5	COMPRESSOR 5 FUSES	UN	-	FUSIBILE NH00 80A gG	3	PCE																																						
F6	COMPRESSOR 6 FUSES BOX	SIEMENS	3NP40 16-1CJ01	PORTAFUSIBILE TRIPOLARE NH PER FISSAGGIO SU BARRA	1	PCE																																						
F6	COMPRESSOR 6 FUSES	UN	-	FUSIBILE NH00 80A gG	3	PCE																																						
<table border="1"> <tr> <td colspan="2">REVISION</td> <td>DATE</td> <td>14-05-2009</td> <td colspan="4" rowspan="4">  </td> <td colspan="2">TOTAL SHEET</td> <td>37</td> </tr> <tr> <td>LAST</td> <td>DATE</td> <td>BY</td> <td>DRAW.</td> <td>FF1</td> <td colspan="2">CONTINUE</td> <td>31</td> </tr> <tr> <td>A</td> <td>19-06-2009</td> <td>FF1</td> <td>CHECK</td> <td>FF1</td> <td colspan="2">SHEET</td> <td>30</td> </tr> <tr> <td colspan="2"></td> <td></td> <td>APPR.</td> <td>MM</td> <td colspan="2"></td> <td></td> </tr> </table>										REVISION		DATE	14-05-2009					TOTAL SHEET		37	LAST	DATE	BY	DRAW.	FF1	CONTINUE		31	A	19-06-2009	FF1	CHECK	FF1	SHEET		30				APPR.	MM			
REVISION		DATE	14-05-2009					TOTAL SHEET		37																																		
LAST	DATE	BY	DRAW.					FF1	CONTINUE		31																																	
A	19-06-2009	FF1	CHECK					FF1	SHEET		30																																	
			APPR.					MM																																				
				MATERIALS LIST																																								
				476FL SPECIAL VERSION - FUSES			HF620C1034S																																					

1	2		3	4	5	6	7	8		
ID	FUNCTION	MANUFACTURER	CODE	DESCRIPTION	QUANTITY	U.M.	POSITION			
F15	FANS 1 FUSES BOX	UN	-	BASE PORTAFUSIBILE TRIPOLARE 10,3X38	1	PCE				
F15	FANS 1 FUSES	UN	-	FUSIBILE 32A gG 10.3X38	3	PCE				
F16	FANS 2 FUSES BOX	UN	-	BASE PORTAFUSIBILE TRIPOLARE 10,3X38	1	PCE				
F16	FANS 2 FUSES	UN	-	FUSIBILE 32A gG 10.3X38	3	PCE				
F18	24V FUSES BOX	UN	-	PORTAFUSIBILE UNIPOLARE 10.3X38	1	PCE				
F18	24V FUSES	UN	-	FUSIBILE 4A gG 10,3X38	1	PCE				
F19	24V FUSES BOX	UN	-	PORTAFUSIBILE UNIPOLARE 10.3X38	1	PCE				
F19	24V FUSES	UN	-	FUSIBILE 16A gG 10,3X38	1	PCE				
F17	TR+RSF FUSES BOX	UN	-	BASE PORTAFUSIBILE TRIPOLARE 10,3X38	1	PCE				
F17	TR+RSF FUSES	UN	-	FUSIBILE 6A gG 10.3X38	3	PCE				
F20	230V FUSES BOX	UN	-	PORTAFUSIBILE UNIPOLARE 10.3X38	1	PCE				
F20	230V FUSES	UN	-	FUSIBILE 2A gG 10,3X38	1	PCE				
TR1	24VAC AUXILIARY TRASFORMER	-	-	TRASF. 500VA IN=400V, OUT1=24V-100VA, OUT2=24VAC-400VA	1	PCE				
TR2	230VAC AUXILIARY TRASFORMER	-	-	TRASF. 200VA IN=400V, OUT=230V	1	PCE				
REVISION		DATE	14-05-2009		MATERIALS LIST				TOTAL SHEET 37	
LAST	DATE	BY	DRAW. FF1						CONTINUE . 32	
A	19-06-2009	FF1	CHECK FF1		476FL SPECIAL VERSION - FUSES				HF620C1034S	
		APPR.	MM						SHEET 31	



MATERIALS LIST




476FL SPECIAL VERSION - FUSES

HF620C1034S

TOTAL SHEET 37

CONTINUE . 32

SHEET 31

1	2		3	4	5	6	7	8																																									
ID	FUNCTION	MANUFACTURER	CODE	DESCRIPTION	QUANTITY	U.M.	POSITION																																										
KA1	HIGH PRESSURE 1 RELAY	FINDER	5534.8024	RELE' 4 CONTATTI BOBINA 24VAC	1	PCE																																											
KA1	HIGH PRESSURE 1 RELAY SOCKET	FINDER	94.04	ZOCCOLO PER RELE' 5534	1	PCE																																											
KA2	HIGH PRESSURE 2 RELAY	FINDER	5534.8024	RELE' 4 CONTATTI BOBINA 24VAC	1	PCE																																											
KA2	HIGH PRESSURE 2 RELAY SOCKET	FINDER	94.04	ZOCCOLO PER RELE' 5534	1	PCE																																											
KA6	GENERAL ALARM RELAY	FINDER	4052.8024	RELE' 2 CONTATTI BOBINA 24VAC	1	PCE																																											
KA6	GENERAL ALARM RELAY'S SOCKET	FINDER	95.05	ZOCCOLO PER RELE' 4052	1	PCE																																											
TS1	ELECTRICAL BOX FAN THERMOSTAT	STEGO	01141.0-00	TERMOANATO NO 0-60°C	1	PCE																																											
TS2	ELECTRICAL BOX HEATER THERMOSTAT	STEGO	01140.0-00	TERMOANATO NC 0-60°C	1	PCE																																											
RQ	ELECTRICAL BOX HEATER	STEGO	14007.0-00	RESISTENZA ANTICONDENSA 100W 230V	1	PCE																																											
MQ	ELECTRICAL BOX FAN	HIREF	HF40000420	VENTILATORE QUADRO ELETTRICO 230VAC	1	PCE																																											
Q9	CRANKCASE HEATERS SWITCH	SIEMENS	5SY6-106-7	INT.AUT.1 POLO 6A CURVA C	1	PCE																																											
Q9	Q9 AUX SWITCH	-	-	CONTATTO AUSILIARIO LATERALE 1NA+1NC	1	PCE																																											
Q10	HEATERS SWITCH	SIEMENS	5SY6-116-7	INT.AUT.1 POLO 16A CURVA C	1	PCE																																											
Q10	Q10 AUX SWITCH	-	-	CONTATTO AUSILIARIO LATERALE 1NA+1NC	1	PCE																																											
KA7	POWER ON RELAY	FINDER	4052.8230	RELE' 2 CONTATTI BOBINA 230VAC	1	PCE																																											
KA7	POWER ON RELAY'S SOCKET	FINDER	95.05	ZOCCOLO PER RELE' 4052	1	PCE																																											
H1	WARNING SIGNAL	-	-	LAMPADA+PORTALAMPADA GIALLA ROTONDA IP65 24V	1	PCE																																											
<table border="1"> <tr> <td colspan="2">REVISION</td> <td>DATE</td> <td>14-05-2009</td> <td colspan="4">MATERIALS LIST</td> <td colspan="2">TOTAL SHEET 37</td> </tr> <tr> <td>LAST</td> <td>DATE</td> <td>BY</td> <td>DRAW. FF1</td> <td colspan="4" rowspan="3">  </td> <td colspan="2">CONTINUE . 33</td> </tr> <tr> <td>A</td> <td>19-06-2009</td> <td>FF1</td> <td>CHECK FF1</td> <td colspan="4">476FL SPECIAL VERSION - FUSES</td> <td colspan="2">SHEET 32</td> </tr> <tr> <td colspan="3"></td> <td>APPR. MM</td> <td colspan="4">HF620C1034S</td> <td colspan="2"></td> </tr> </table>										REVISION		DATE	14-05-2009	MATERIALS LIST				TOTAL SHEET 37		LAST	DATE	BY	DRAW. FF1					CONTINUE . 33		A	19-06-2009	FF1	CHECK FF1	476FL SPECIAL VERSION - FUSES				SHEET 32					APPR. MM	HF620C1034S					
REVISION		DATE	14-05-2009	MATERIALS LIST				TOTAL SHEET 37																																									
LAST	DATE	BY	DRAW. FF1					CONTINUE . 33																																									
A	19-06-2009	FF1	CHECK FF1					476FL SPECIAL VERSION - FUSES				SHEET 32																																					
			APPR. MM					HF620C1034S																																									

1	2		3	4	5	6	7	8						
ID	FUNCTION	MANUFACTURER	CODE	DESCRIPTION	QUANTITY	U.M.	POSITION							
K10	HEATERS CONTACTOR	SIEMENS	3RT1015-1AB01	TELER.3kW BOBINA 24VAC	1	PCE								
Q13	PUMP 1 BREAKER SWITCH	SIEMENS	5SY6-340-7	INT.AUT. 3 POLI CURVA C 40A	1	PCE								
Q13	Q13 AUX SWITCH	SIEMENS	-	CONTATTO LATERALE 1NA+1NC	1	PCE								
Q14	PUMP 2 BREAKER SWITCH	SIEMENS	5SY6-340-7	INT.AUT. 3 POLI CURVA C 40A	1	PCE								
Q14	Q14 AUX SWITCH	SIEMENS	-	CONTATTO LATERALE 1NA+1NC	1	PCE								
Q12	FREECOOLING PUMP BREAKER SWITCH	SIEMENS	3RV1021-4AA10	SALVAM. 11-16A	1	PCE								
Q12	Q12 AUX SWITCH	SIEMENS	-	CONTATTO AUSILIARIO FRONTALE 1NA+1NC	1	PCE								
K12	FREECOOLING PUMP CONTACTOR	SIEMENS	3RT1025-1AB00	TELER.7.5kW BOBINA 24VAC	1	PCE								
KA13	PUMP 1 RELAY	FINDER	4052.8024	RELE' 2 CONTATTI BOBINA 24VAC	1	PCE								
KA13	PUMP 1 RELAY SOCKET	FINDER	95.05	ZOCCOLO PER RELE' 4052	1	PCE								
KA14	PUMP 2 RELAY	FINDER	4052.8024	RELE' 2 CONTATTI BOBINA 24VAC	1	PCE								
KA14	PUMP 2 RELAY SOCKET	FINDER	95.05	ZOCCOLO PER RELE' 4052	1	PCE								
REVISION		DATE	14-05-2009		MATERIALS LIST				TOTAL SHEET 37					
LAST	DATE	BY	DRAW. FF1		476FL SPECIAL VERSION - FUSES				CONTINUE 34					
A	19-06-2009	FF1	CHECK FF1						HF620C1034S				SHEET 33	
			APPR. MM											



MATERIALS LIST

476FL SPECIAL VERSION - FUSES

HF620C1034S

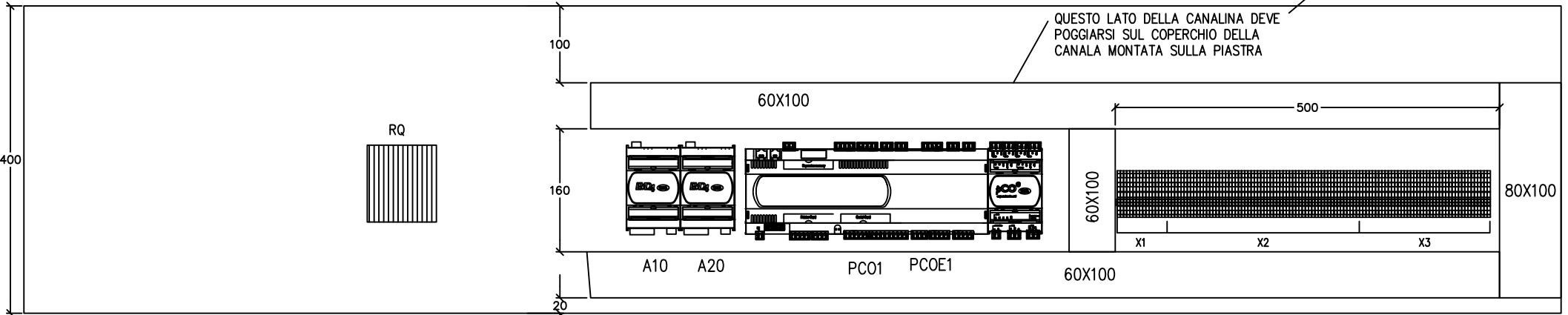
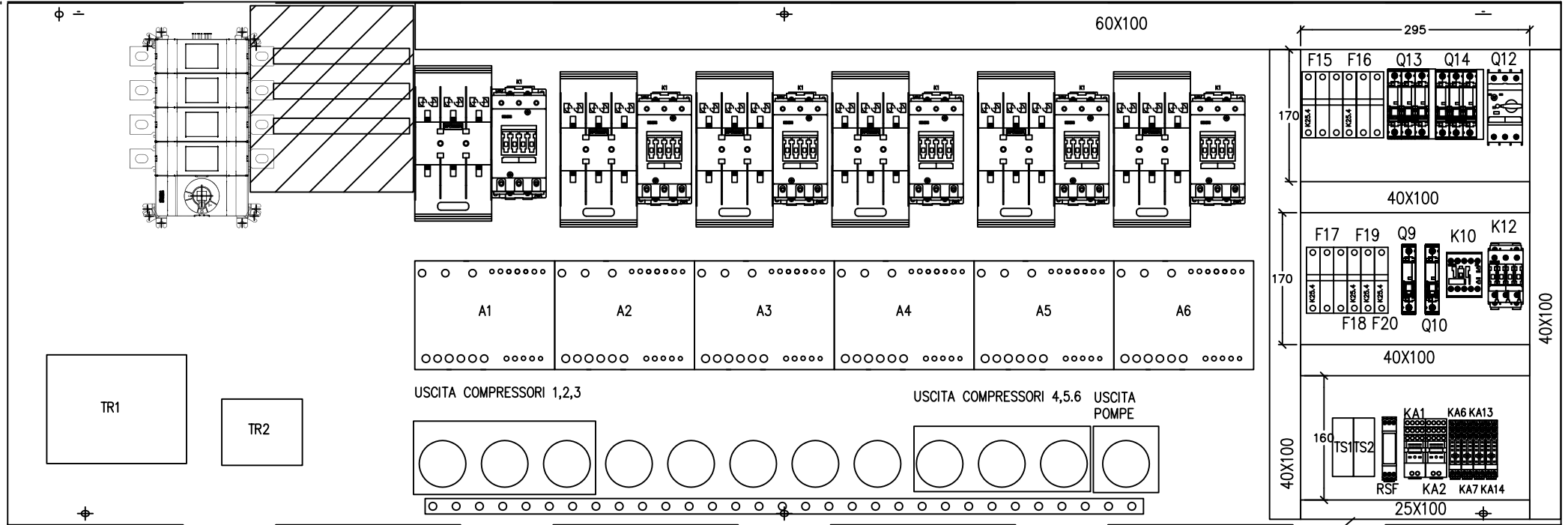
TOTAL SHEET 37

CONTINUE 34

SHEET 33

USARE SEZIONATORE SOCOMEC
- VIETATO ABB

PIASTRA DI FONDO



BASE DELLA CASSA

REVISION			DATE
LAST	DATE	BY	14-05-2009
A	19-06-2009	FF1	



LAYOUT	TOTAL SHEET 37
476FL SPECIAL VERSION - FUSES	CONTINUE . 35
HF620C1034S	SHEET 34

1	2	3	4	5	6	7	8
COMPRESSORE	L (mm)	CAVI/COLORE/SEZIONE					
1	2500	1,2,3 NERO 25mm; PE 16mm; 0,24,24,8 ROSSO 1mm; 114 NERO 1mm; N BLU 1mm					
2	3000	9,10,12 NERO 25mm; PE 16mm; 0,24,8,17 ROSSO 1mm; 115 NERO 1mm; N BLU 1mm					
3	3500	18,19,20 NERO 25mm; PE 16mm; 0,24,17,26 ROSSO 1mm; 116 NERO 1mm; N BLU 1mm					
4	2500	27,28,29 NERO 25mm; PE 16mm; 0,24,24,36 ROSSO 1mm; 117 NERO 1mm; N BLU 1mm					
5	3000	37,38,39 NERO 25mm; PE 16mm; 0,24,36,44 ROSSO 1mm; 118 NERO 1mm; N BLU 1mm					
6	3500	45,46,47 NERO 25mm; PE 16mm; 0,24,44,56 ROSSO 1mm; 119 NERO 1mm; N BLU 1mm					
*	5000	67,69,7,73,75,77 NERO 10mm; 2XPE 10mm; 98,0,99,107,24,108,109,110,111 ROSSO 1mm 230,231 GRIGIO *=ALIMENTAZIONE E SEGNALI INVERTER POMPE					

REVISION			DATE	14-05-2009			TOTAL SHEET 37	
LAST	DATE	BY	DRAW.	FF1			CONTINUE . 36	
A	19-06-2009	FF1	CHECK	FF1			SHEET 35	
			APPR.	MM				

LENNOX			CABLES			HF620C1034S	
			476FL SPECIAL VERSION - FUSES				

	1	2	3	4	5	6	7	8	
	NOTE (INTERNAL USE ONLY)								
A	1	FORNIRE TUTTI I MATERIALI							A
	2	NON FORNIRE NE PREDISPORRE I FILI TRATTEGGIATI							
	3	FORNIRE UN KIT DI FUSIBILI DI RICAMBIO CONTENENTE 1 FUSIBILE PER TIPO E 3 FUSIBILI PER I COMPRESSORI							
	4	FORNIRE IL CABLAGGIO DELLE EVD4 COMPLETO DI CONNETTORI							
	5	IL VENTILATORE DEVE ESSERE MONTATO CON FLUSSO ARIA VERSO L'INTERNO							
	6	RISPETTARE IL PIÙ POSSIBILE IL LAYOUT							
	7	TUTTE LE QUAINI E I PRESSAGUAINI DEVONO ESSERE RESISTENTI UV							
B	8	LA FORNITURA DEL QUADRO DEVE INCLUDERE IL KIT DI CABLAGGIO XS1 (CASSETTA+GUAINI+MORSETTI)							B
	9	IL KIT DI CABLAGGIO DEVE ESSERE NELLO STESSO IMBALLO DEL QUADRO							
	10	MONTARE I SOFTSTARTER FORNITI IN CONTO LAVORO							
	11	FORNIRE ANCHE LA GUAINA PER I CAVI DEGLI INVERTER							
C								C	
D								D	
E								E	
F	REVISION		DATE	14-05-2009	INTERNAL NOTE			TOTAL SHEET	37
	LAST	DATE	BY	DRAW.	FF1			CONTINUE	37
	A	19-06-2009	FF1	CHECK	FF1			SHEET	36
				APPR.	MM	476FL SPECIAL VERSION - FUSES	HF620C1034S		
	1	2	3	4	5	6	7	8	




REVISION HISTORY (ONLY FOR INTERNAL USE)

A
B
C
D
E
F

A
B
C
D
E
F

REVISION	DATE	MODIFICATIONS	BY
REV./	14-05-2009	-FIRST RELEASE	FF1
REV.A	19-06-2009	-AGGIUNTA VENTOLA VANO INVERTER -CORRETTO CABLAGGIO SEGNALE 0-10V INVERTER	FF1

REVISION			DATE	14-05-2009		REVISION HISTORY		TOTAL SHEET 37	
LAST	DATE	BY	DRAW.	FF1		476FL SPECIAL VERSION - FUSES		CONTINUE .	
A	19-06-2009	FF1	CHECK	FF1		HF620C1034S		SHEET	37
			APPR.	MM					