



Serie	THND-U-X
Model	180 - 250


Drawing code	HF620C0806	Controller	PC03
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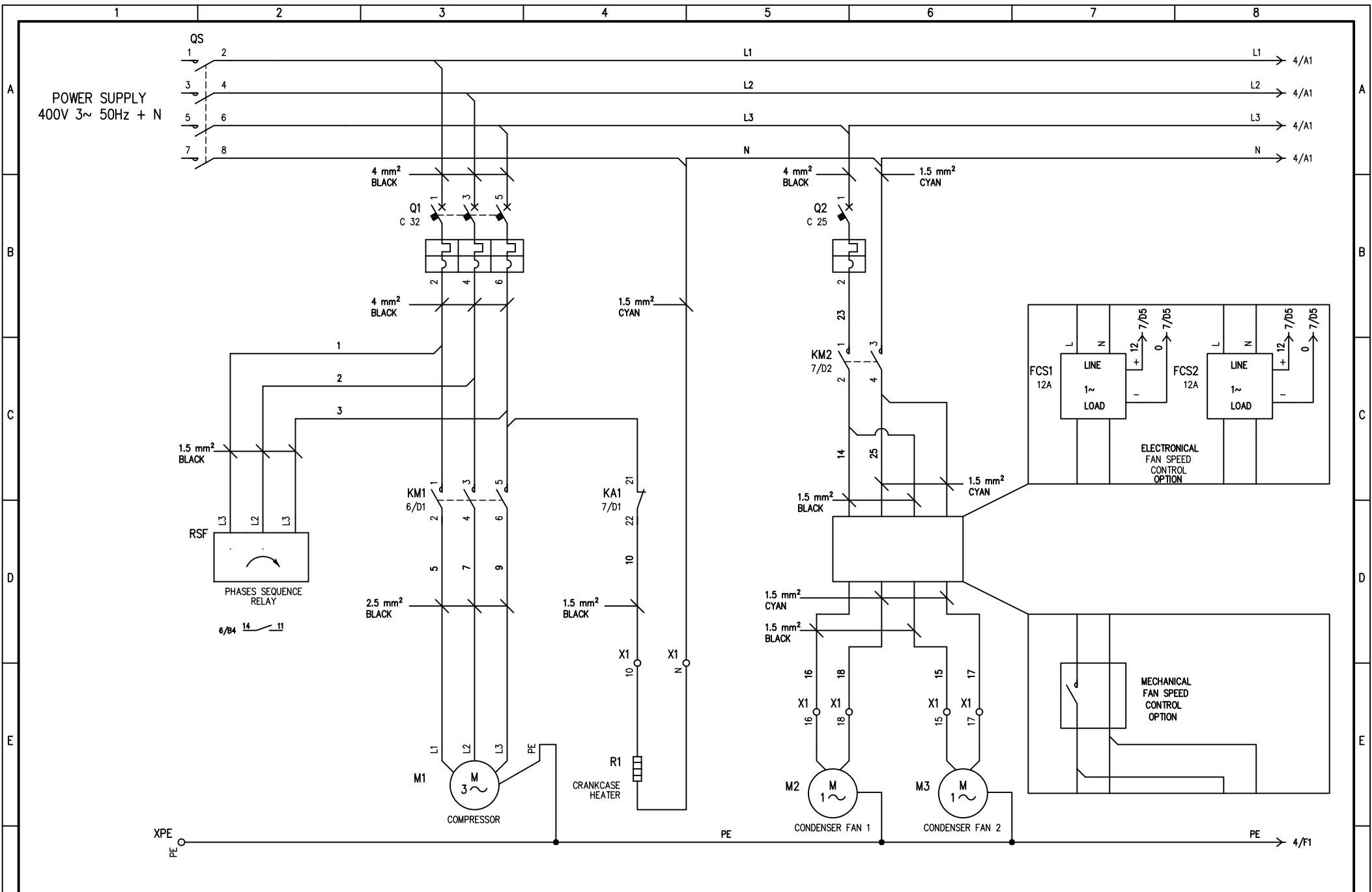
Power supply	400V/3~/50Hz + N	-
Auxiliary supply	24VAC	-

Created by	N.C.1	Revision by	-	Index	-
Date	27/08/2008	On	-		

Max power (kW)	SEE TABLE ON PAGE 2
FLA (A)	SEE TABLE ON PAGE 2
RLA (A)	SEE TABLE ON PAGE 2

Main protection	SEE TABLE ON PAGE 2
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1	2		3	4	5	6		7		8
MODEL	POWER SUPPLY	MAX ABSORBED POWER (kW)	MAX ABSORBED CURENT (A)	RLA (A)	MAIN SUGGEST PROTECTION gG FUSE TYPE	MIN SUGGEST CROSS SECTION LINE (mm ²) VS MAX LENGTH (m) AIR TEMPERATURE 30°C – MULTICORE CABLE – CABLE INSIDE TUBE ON AIR				
						PVC ISULATED		EPR (G7-G10) ISULATED		
						CABLE WORKING TEMPERATURE 70°C	MAX LENGTH VOLTAGE DROP<4%	CABLE WORKING TEMPERATURE 90°C	MAX LENGTH VOLTAGE DROP<4%	
180	LINE	8,8	25,3	80	35	6	118	4	79	
200	LINE	11,5	31,3	100	40	6	95	4	64	
220	LINE	14.5	42.3	122	50	10	116	6	70	
250	LINE	15	44.3	154	50	10	111	6	67	
DATE 05/09/2007		DRAW. N.C.1				HF620C0806		SHEET 2 OF 21		
CHECK F.F.1		APPR. M.M.								CONTINUE 3
REV.	MODIFICATIONS	DATE	SIGN.							
1		2		3		4		5		

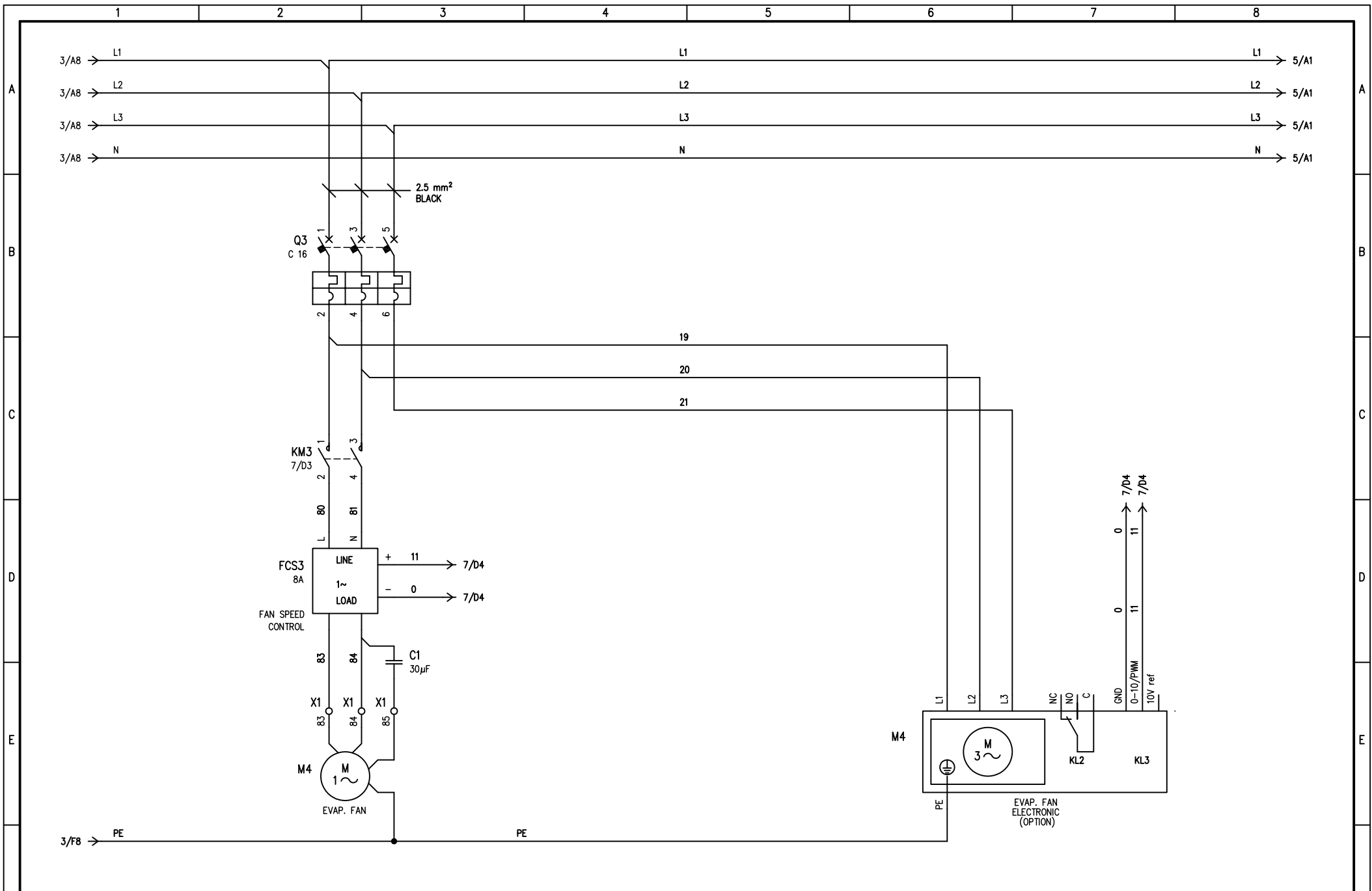


REV.	MODIFICATIONS	DATE	SIGN.

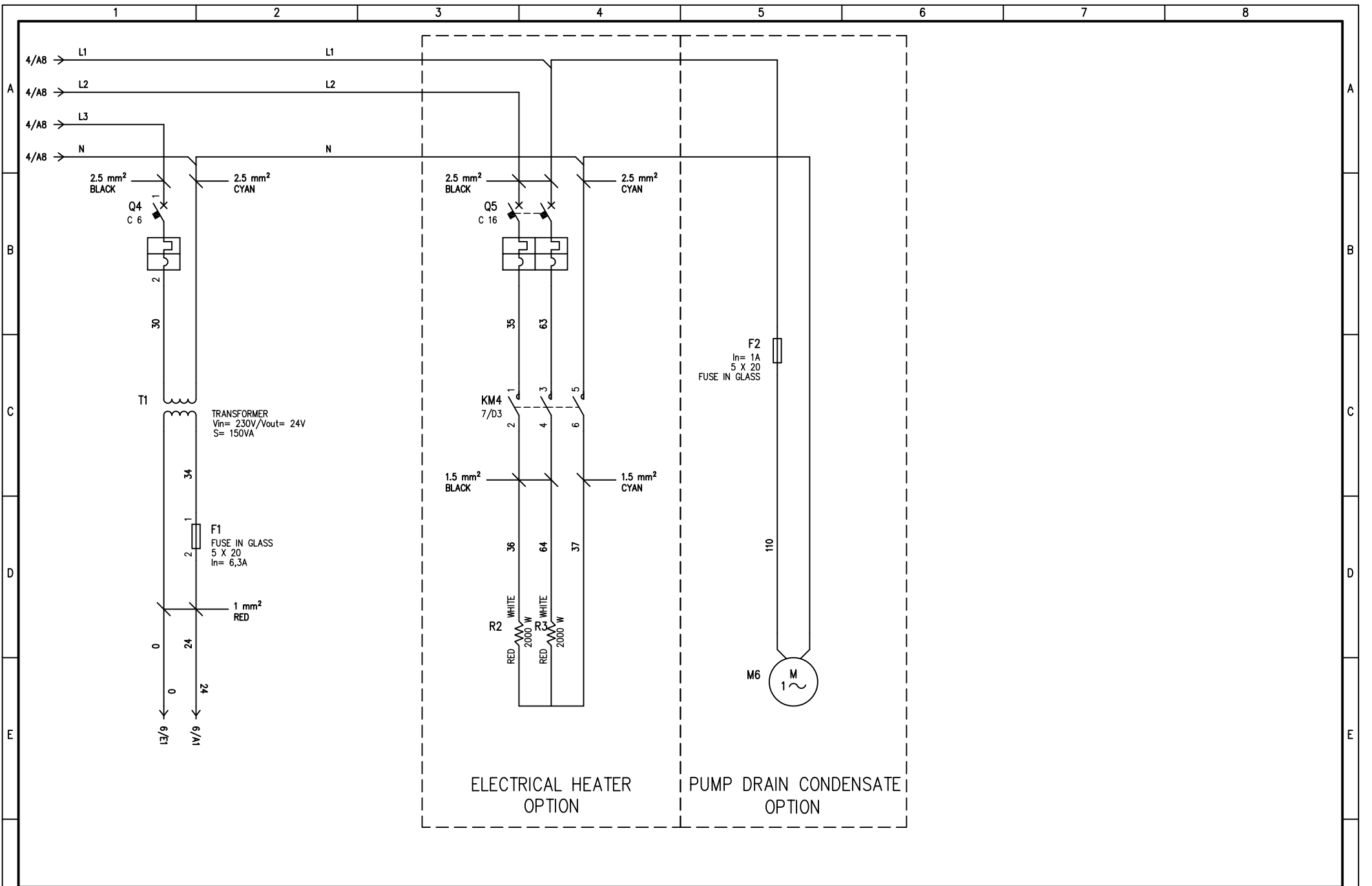
DATE 05/09/2007
 DRAW. N.C.1
 CHECK F.F.1
 APPR. M.M.



HF620C0806



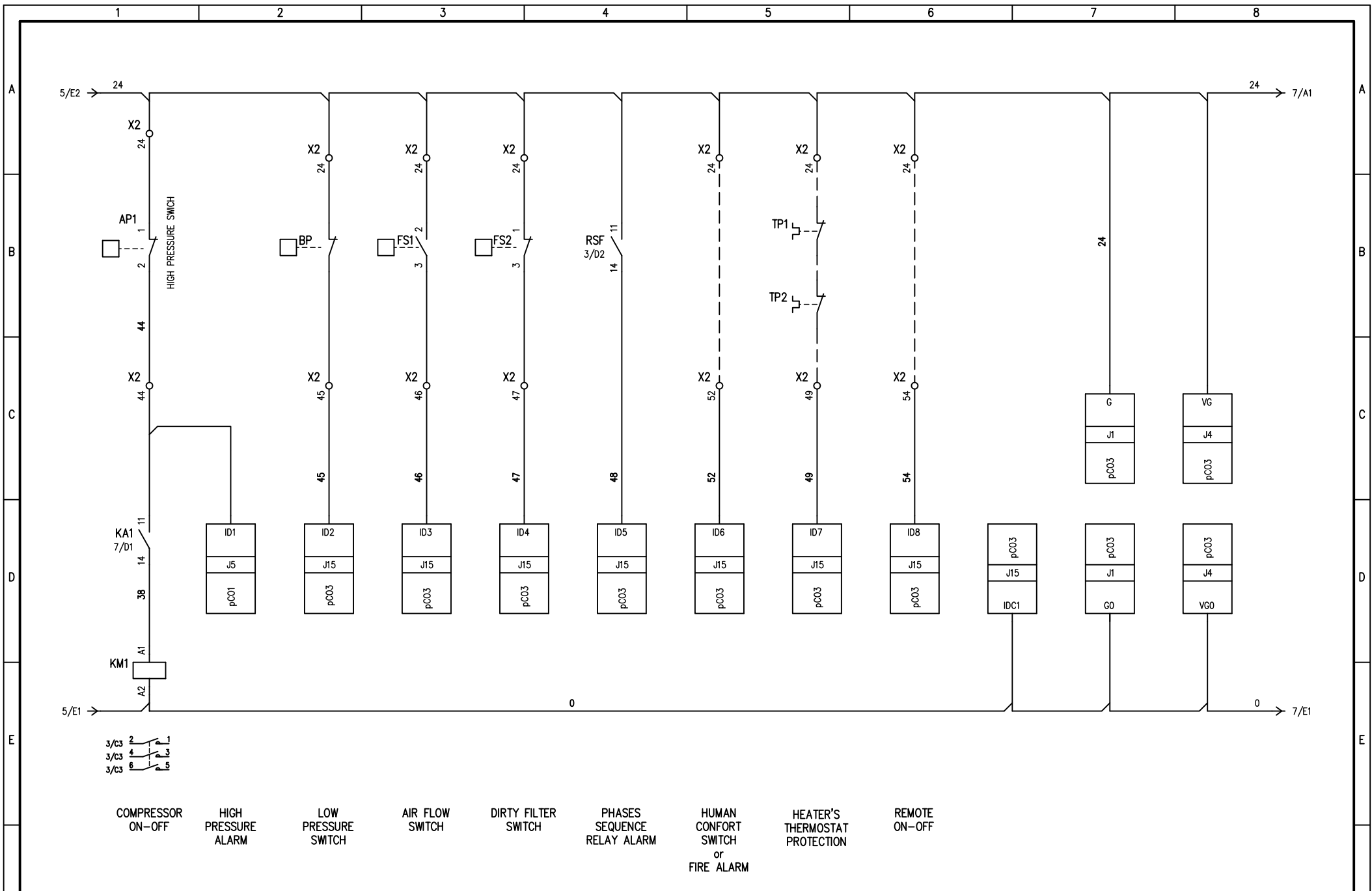
				DATE 05/09/2007	LENNOX			HF620C0806	SHEET 4 OF 21	
				DRAW. N.C.1					CONTINUE 5	
REV.	MODIFICATIONS	DATE	SIGN.	CHECK F.F.1						
				APPR. M.M.						



ELECTRICAL HEATER
OPTION

PUMP DRAIN CONDENSATE
OPTION

				DATE 05/09/2007					
				DRAW. N.C.1					
				CHECK F.F.1					
REV.	MODIFICATIONS	DATE	SIGN.	APPR. M.M.	HF620C0806		SHEET 5 OF 21		
1		2		3			CONTINUE 6		



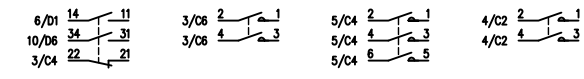
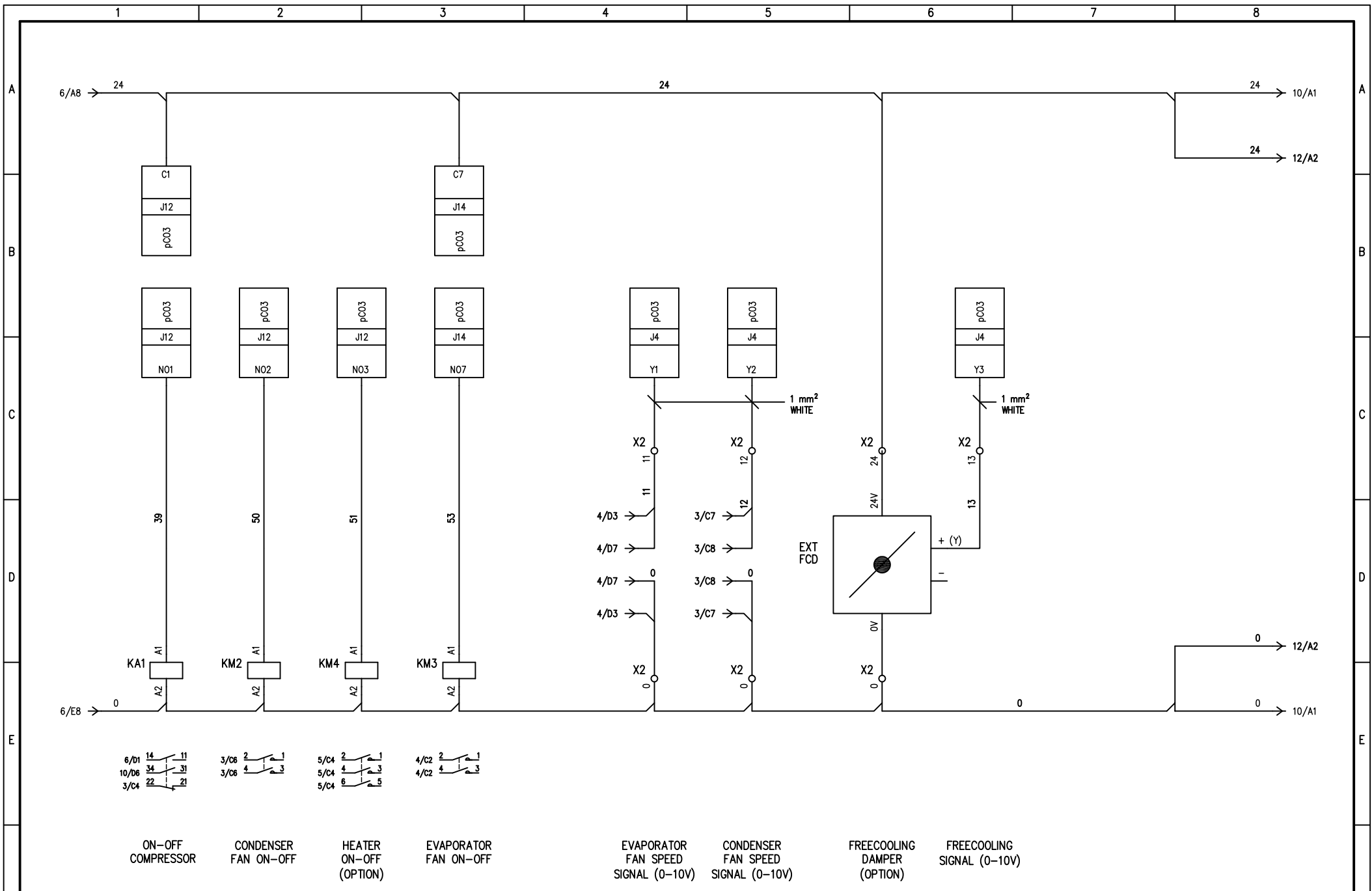
DATE 05/09/2007
 DRAW. N.C.1
 CHECK F.F.1
 APPR. M.M.



HF620C0806

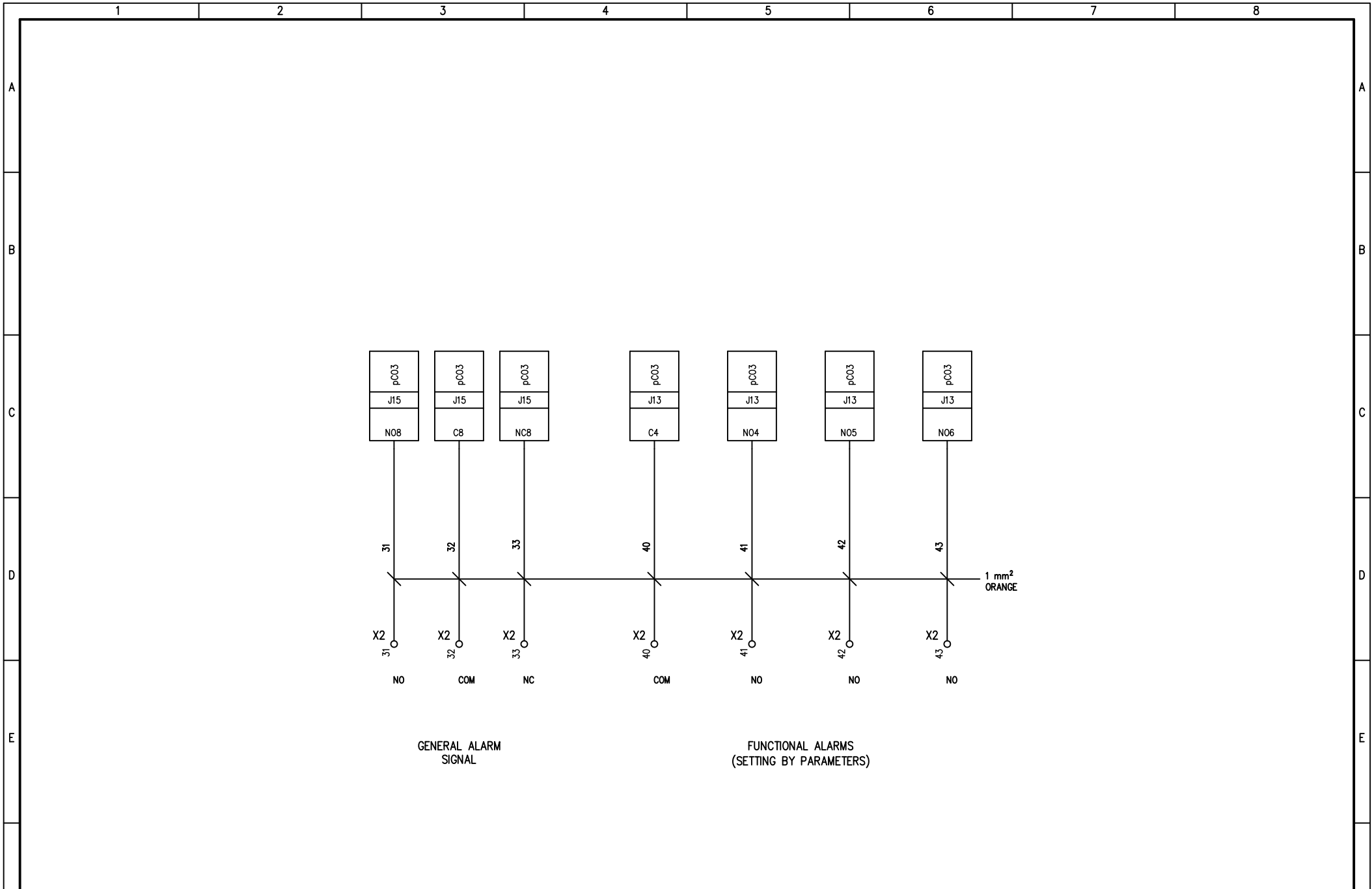
SHEET 6 OF 21
 CONTINUE 7

REV.	MODIFICATIONS	DATE	SIGN.
1			
2			
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ON-OFF COMPRESSOR CONDENSER FAN ON-OFF HEATER ON-OFF (OPTION) EVAPORATOR FAN ON-OFF
 EVAPORATOR FAN SPEED SIGNAL (0-10V) CONDENSER FAN SPEED SIGNAL (0-10V) FREECOOLING DAMPER (OPTION) FREECOOLING SIGNAL (0-10V)

				DATE 05/09/2007					
				DRAW. N.C.1					
				CHECK F.F.1					
REV.	MODIFICATIONS	DATE	SIGN.	APPR. M.M.	HF620C0806		SHEET 7 OF 21		
1		2		3			CONTINUE 8		



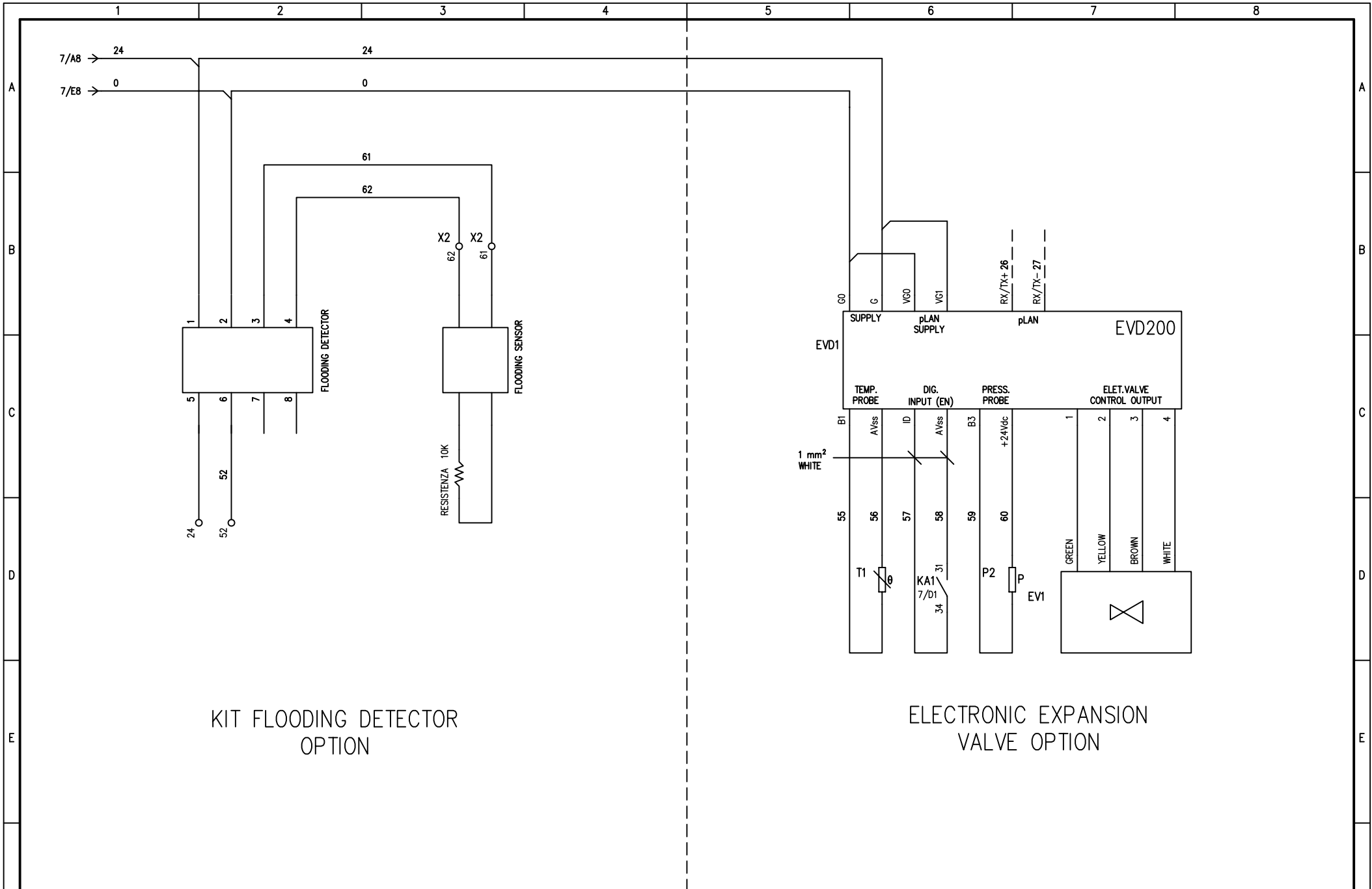
GENERAL ALARM
SIGNAL

FUNCTIONAL ALARMS
(SETTING BY PARAMETERS)

REV.	MODIFICATIONS	DATE	SIGN.	DATE 05/09/2007
				DRAW. N.C.1
				CHECK F.F.1
				APPR. M.M.



HF620C0806



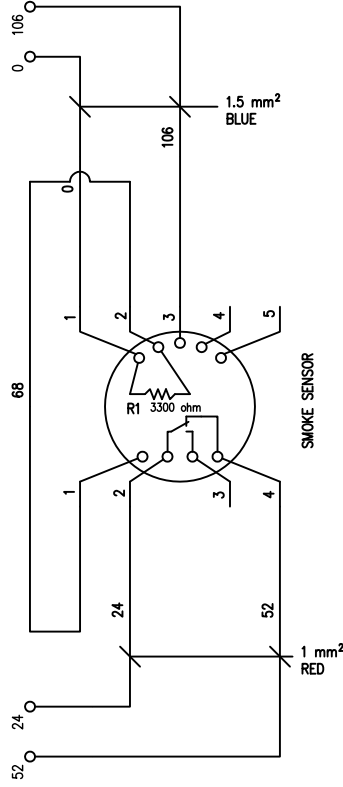
KIT FLOODING DETECTOR
OPTION

ELECTRONIC EXPANSION
VALVE OPTION

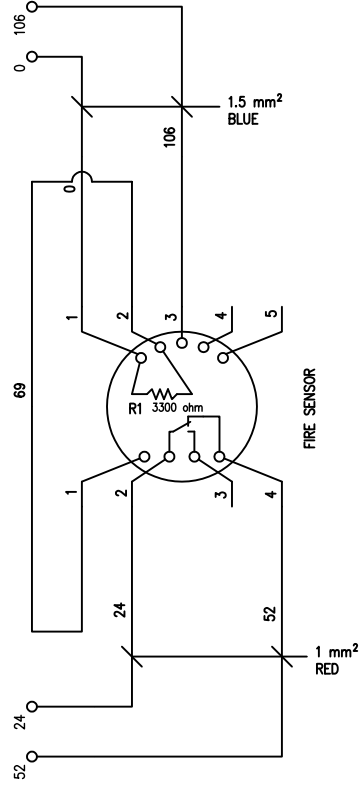
REV.	MODIFICATIONS	DATE	SIGN.	DATE 05/09/2007
				DRAW. N.C.1
				CHECK F.F.1
				APPR. M.M.



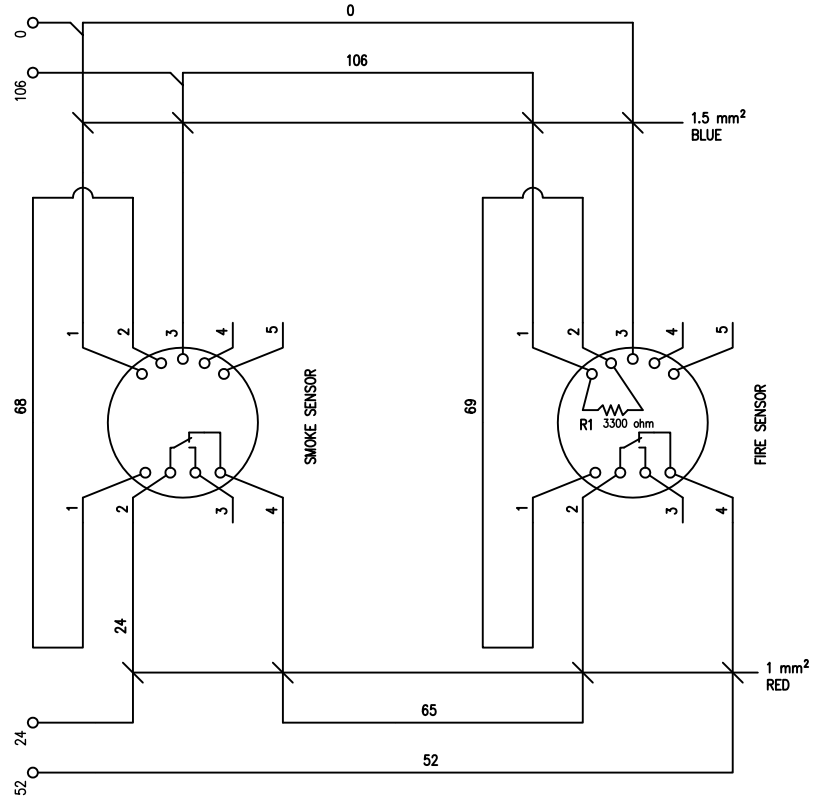
HF620C0806



SMOKE SENSOR OPTION



FIRE SENSOR OPTION



SMOKE/FIRE SENSOR OPTION

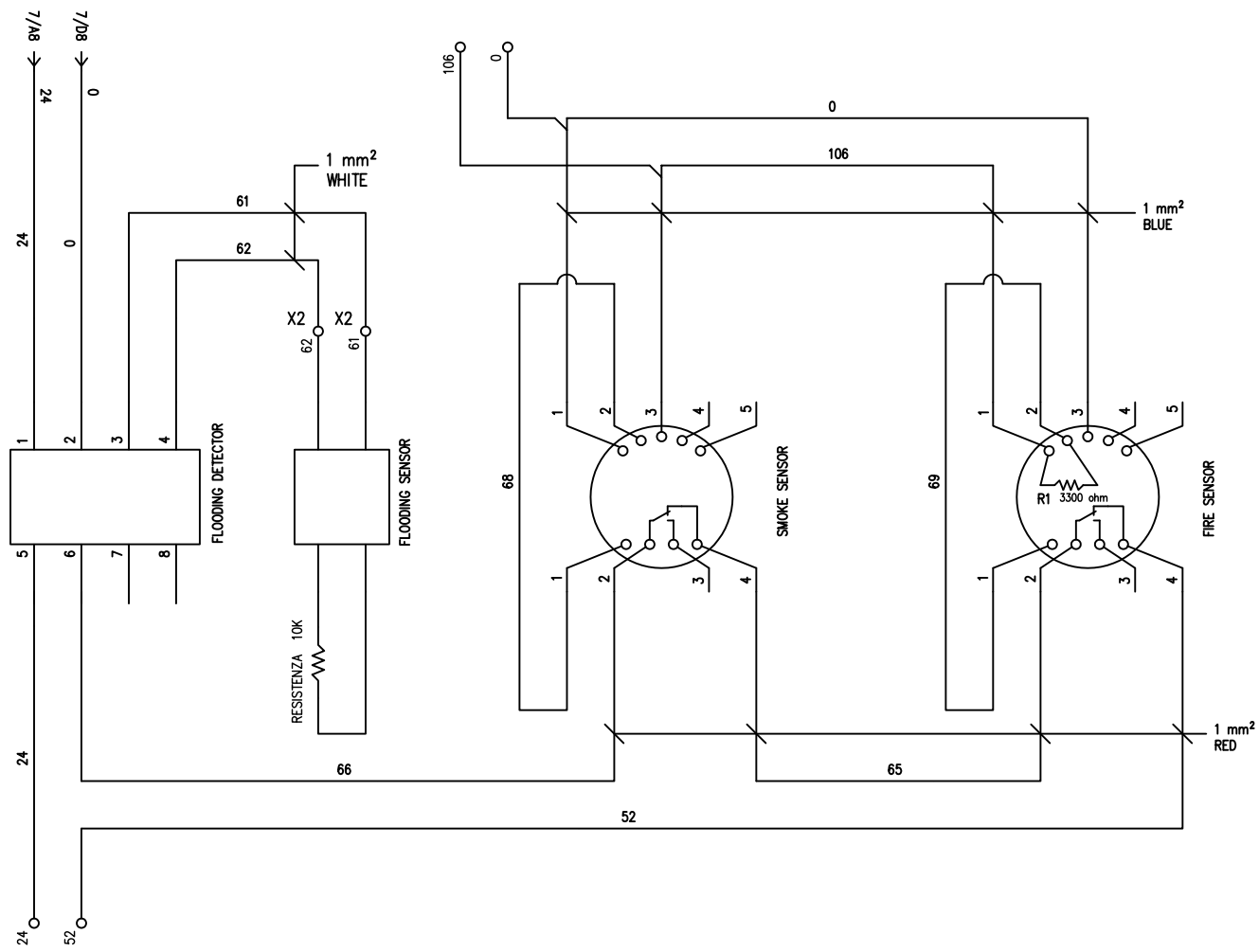
DATE 05/09/2007
 DRAW. N.C.1
 CHECK F.F.1
 APPR. M.M.



HF620C0806

SHEET 11 OF 21
 CONTINUE 12

REV.	MODIFICATIONS	DATE	SIGN.
1		2	



FLOODING, SMOKE AND FIRE ALARM
OPTION

DATE 05/09/2007
 DRAW. N.C.1
 CHECK F.F.1
 APPR. M.M.



HF620C0806

SHEET 12 OF 21
 CONTINUE 13

REV.	MODIFICATIONS	DATE	SIGN.

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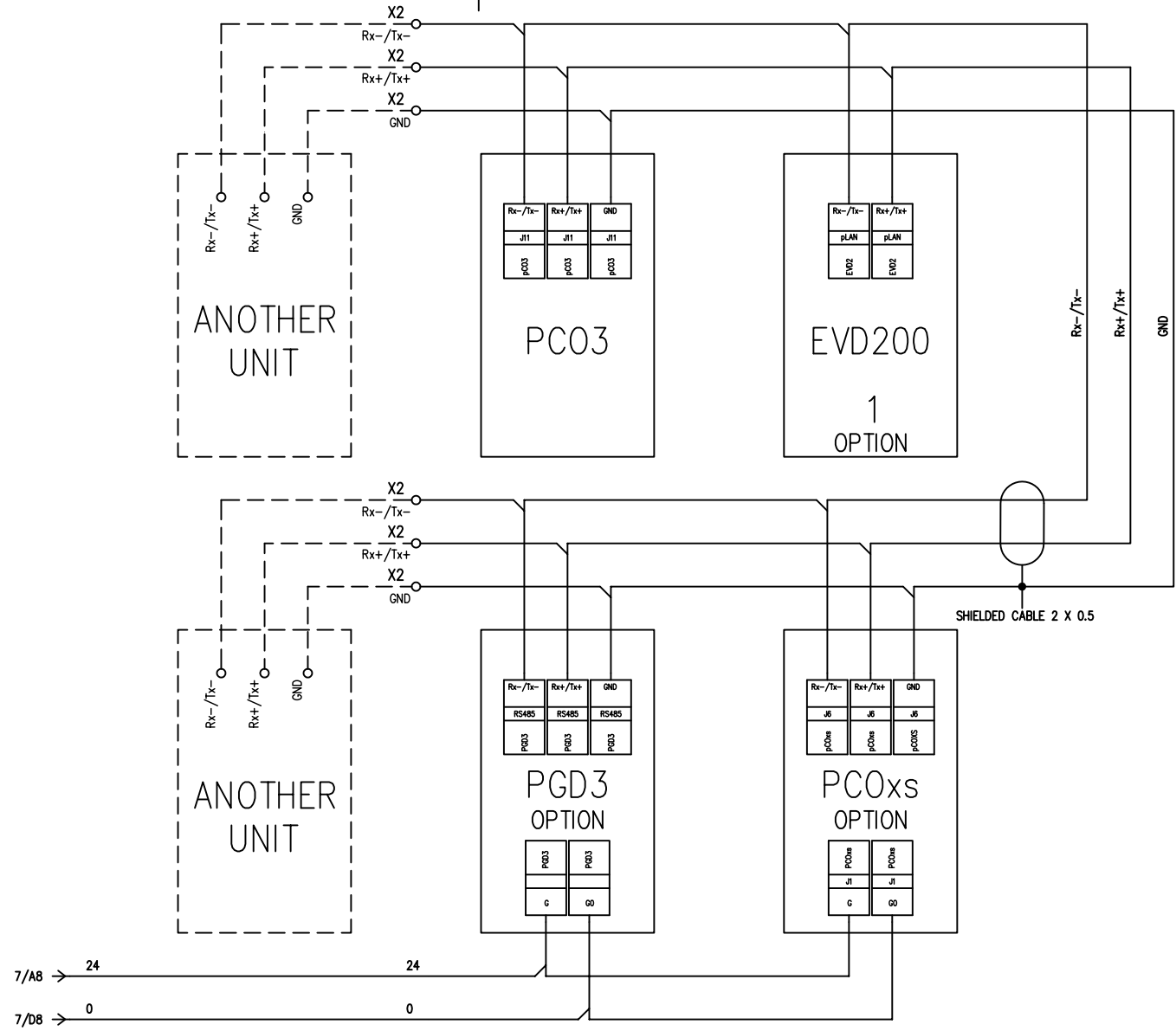
5

6

7

8

pLAN CONNECTION



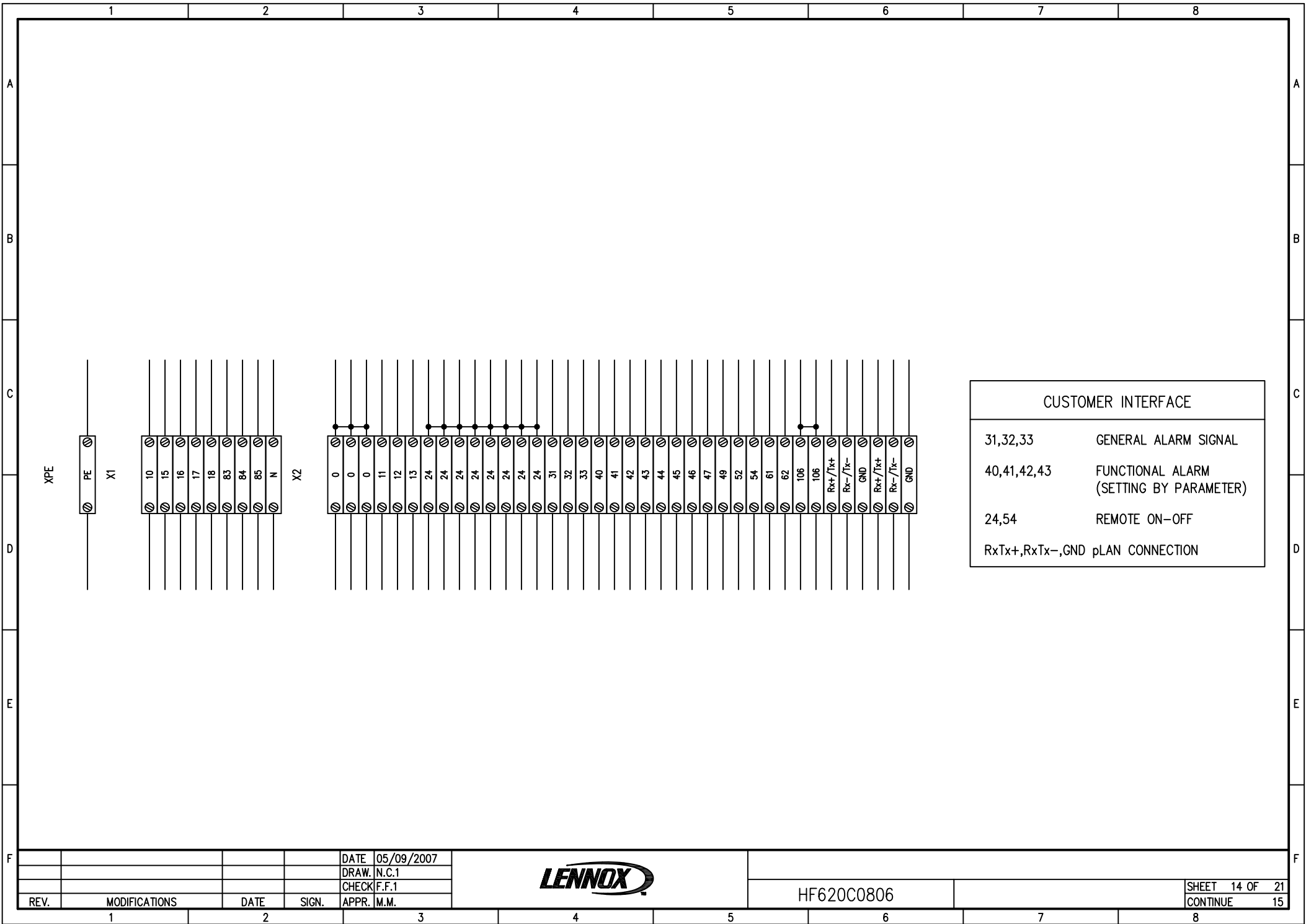
DATE 05/09/2007
 DRAW. N.C.1
 CHECK F.F.1
 APPR. M.M.



HF620C0806

SHEET 13 OF 21
 CONTINUE 14

REV.	MODIFICATIONS	DATE	SIGN.
1		2	3



DATE 05/09/2007
 DRAW. N.C.1
 CHECK F.F.1
 APPR. M.M.



HF620C0806

REV.	MODIFICATIONS	DATE	SIGN.

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A

A

LAYOUT PIASTRA DI FONDO

B

B

925

C

C

330

D

D

E

E

F

F

DATE	05/09/2007
DRAW.	N.C.1
CHECK	F.F.1
APPR.	M.M.



HF620C0806

SHEET	16 OF	21
CONTINUE		17

REV.

MODIFICATIONS

DATE

SIGN.

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1

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B

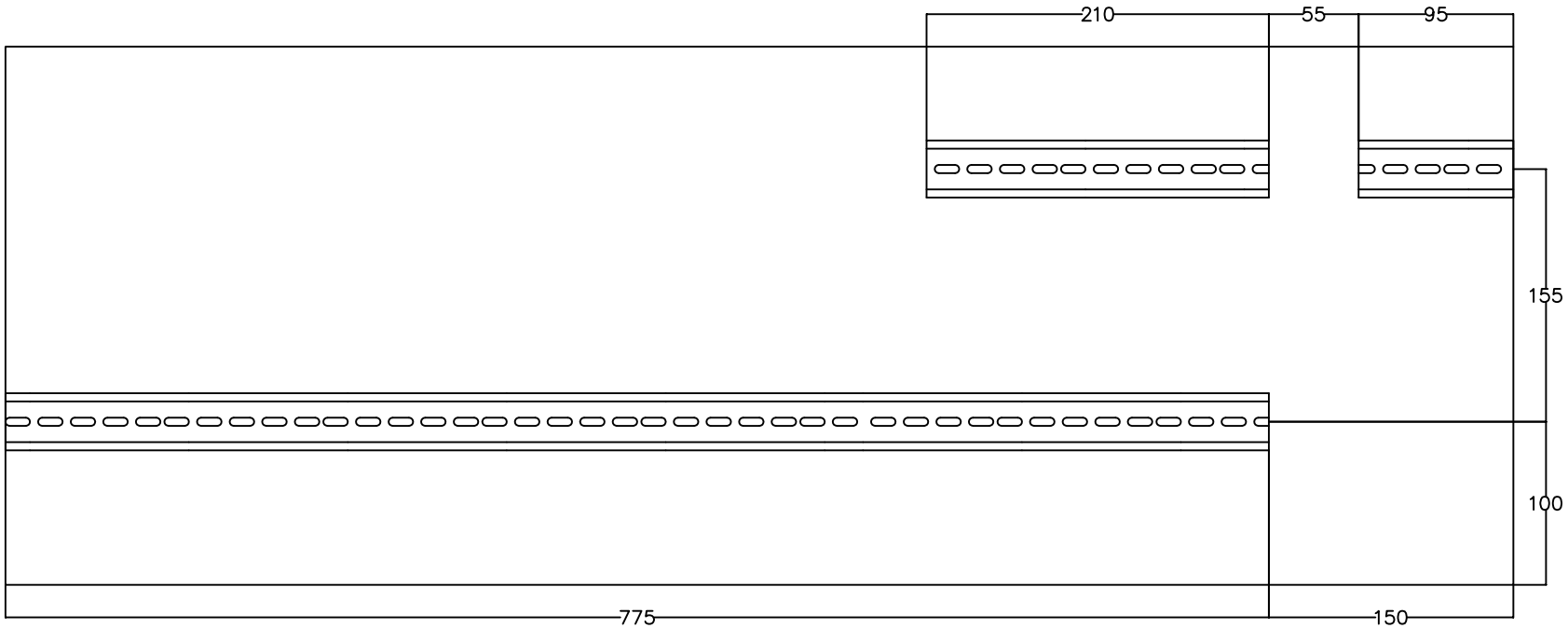
C

D

E

F

LAYOUT GUIDE DIN



REV.	MODIFICATIONS	DATE	SIGN.	DATE	SIGN.

DATE	05/09/2007
DRAW.	N.C.1
CHECK	F.F.1
APPR.	M.M.



HF620C0806	
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1

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4

5

6

7

8

1

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3

4

5

6

7

8

A

A

LAYOUT CANALINE

B

B

775

25

125

130

157.5

C

C

25

25 X 100

25 X 100

25 X 100

25

D

D

150

122.5

E

E

25

25 X 100

25

F

F

DATE 05/09/2007

DRAW. N.C.1

CHECK F.F.1

APPR. M.M.



HF620C0806

SHEET 18 OF 21

CONTINUE 19

REV.

MODIFICATIONS

DATE

SIGN.

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1 2 3 4 5 6 7 8

A

A

LAYOUT COMPONENTI

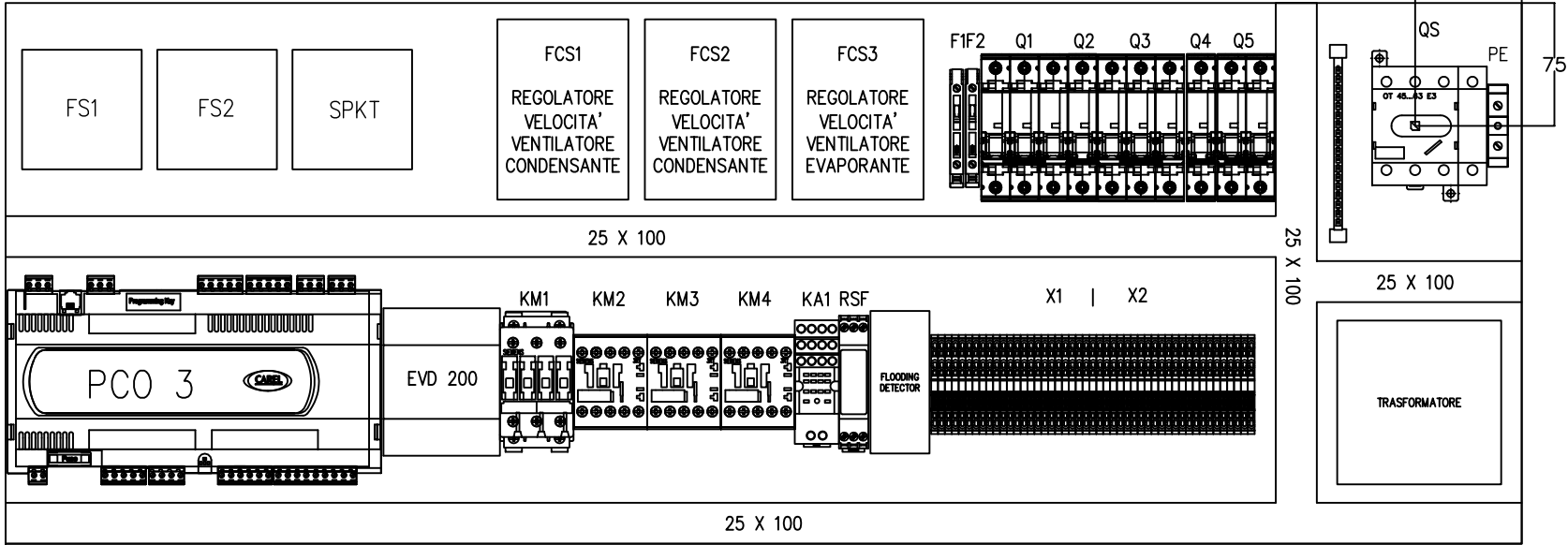
B

B

IL SEZIONATORE VA CABLATO NELLA PARTE SUPERIORE

C

C



D

D

E

E

C1

F

F

REV.	MODIFICATIONS	DATE	SIGN.	DATE 05/09/2007
				DRAW. N.C.1
				CHECK F.F.1
				APPR. M.M.



HF620C0806

SHEET 19 OF 21
CONTINUE 20

1 2 3 4 5 6 7 8

DISTINTA BASE A CUI DEVE ATTENERSI IL QUADRISTA

UBICAZIONE	SIGLA	FUNZIONE	MARCA	CODICE	DESCRIZIONE	QUANTITA'	M.U.	POSIZIONE
	QS	SEZIONATORE GENERALE	ABB	OT63E4+OHY2AJ+0XS5X180	SEZIONATORE In=63A + MANIGLIA + ALBERO DI MANOVRA	1	PCE	
	F1	PROTEZIONE CIRCUITO DI COMANDO	ITALWEBER	0104306	FUSIBILE IN VETRO TIPO F In= 6,3A	1	PCE	
	F	MORSETTO PORTA FUSIBILE	PHOENIX	3004100	PER FUSIBILI 5 X 20	1	PCE	
	Q1	PROTEZIONE COMPRESSORE	SIEMENS	5SY6 332-7	INTERRUTTORE AUTOMATICO 3P C32 6KA	1	PCE	
	Q2	PROTEZIONE VENTILATORE CONDENSANTE	SIEMENS	5SY6 125-7	INTERRUTTORE AUTOMATICO 1P C25 6KA	1	PCE	
	Q3	PROTEZIONE VENTILATORE EVAPORANTE	SIEMENS	5SY6 316-7	INTERRUTTORE AUTOMATICO 3P C16 6KA	1	PCE	
	Q4	PROTEZIONE TRASFORMATORE	SIEMENS	5SY6 106-7	INTERRUTTORE AUTOMATICO 1P C6 6KA	1	PCE	
	Q5	PROTEZIONE RESISTENZA	SIEMENS	5SY6 216-7	INTERRUTTORE AUTOMATICO 2P C16 6KA (OPZIONALE)	1	PCE	
	KM1	ON/OFF COMPRESSORE	SIEMENS	3RT1026-1AB00	TELERUTTORE 3P 400V 11KW BOB. 24VAC	1	PCE	
	KM2	ON/OFF VENTILATORE CONDENSANTE	SIEMENS	3RT1017-1AB01	TELERUTTORE 3P 400V 5,5KW BOB. 24VAC	1	PCE	
	KM3	ON/OFF VENTILATORE EVAPORANTE	SIEMENS	3RT1017-1AB01	TELERUTTORE 3P 400V 5,5KW BOB. 24VAC	1	PCE	
	KM4	ON/OFF RESISTENZA	SIEMENS	3RT1017-1AB01	TELERUTTORE 3P 400V 5,5KW BOB. 24VAC (OPZIONALE)	1	PCE	
	KA1	ON/OFF TELERUTORRE KM1	FINDER	553480240000+9404+09471	RELE'+ZOCOCCOLO+PONTICELLO DI RITENUTA	1	PCE	
	RSF	RELE' SEQUENZA FASE	GAVAZZI	DPA51CM44	IL QUADRISTA DEVE PREDISPORRE SOLTANTO I FILI	1	PCE	
	TR	TRSFOMATORE MONOFASE	MARINI		TRASF. MONOFASE Vin=230V / Vout=24V S=150VA	1	PCE	

REV.	MODIFICATIONS	DATE	SIGN.	DATE 05/09/2007 DRAW. N.C.1 CHECK F.F.1 APPR. M.M.		HF620C0806	SHEET 20 OF 21 CONTINUE 21
1	2	3	4	5	6	7	8

	1	2	3	4	5	6	7	8
		XPE	MORSETTIERA	PHOENIX	3044173	MORSETTO DI TERRA UT 10-PE	1	PCE
A		X1, X2	MORSETTIERA	PHOENIX	3031128	MORSETTO A MOLLA ST 1,5-TWIN	47	PCE
			BARRA DI TERRA			BARRA DI TERRA	1	PCE
			PIASTRA DI FONDO	HIREF	HF17000387	PIASTRA DI FONDO	1	PCE
B								
C								
D								
E								
F								
				DATE	05/09/2007			
				DRAW.	N.C.1			
				CHECK	F.F.1			
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.	HF620C0806		SHEET 21 OF 21
								CONTINUE
	1	2	3	4	5	6	7	8

