



Serie	THSI		
Model	045 - 105		


Drawing code	HF620C0722	Controller	PC03
--------------	------------	------------	------

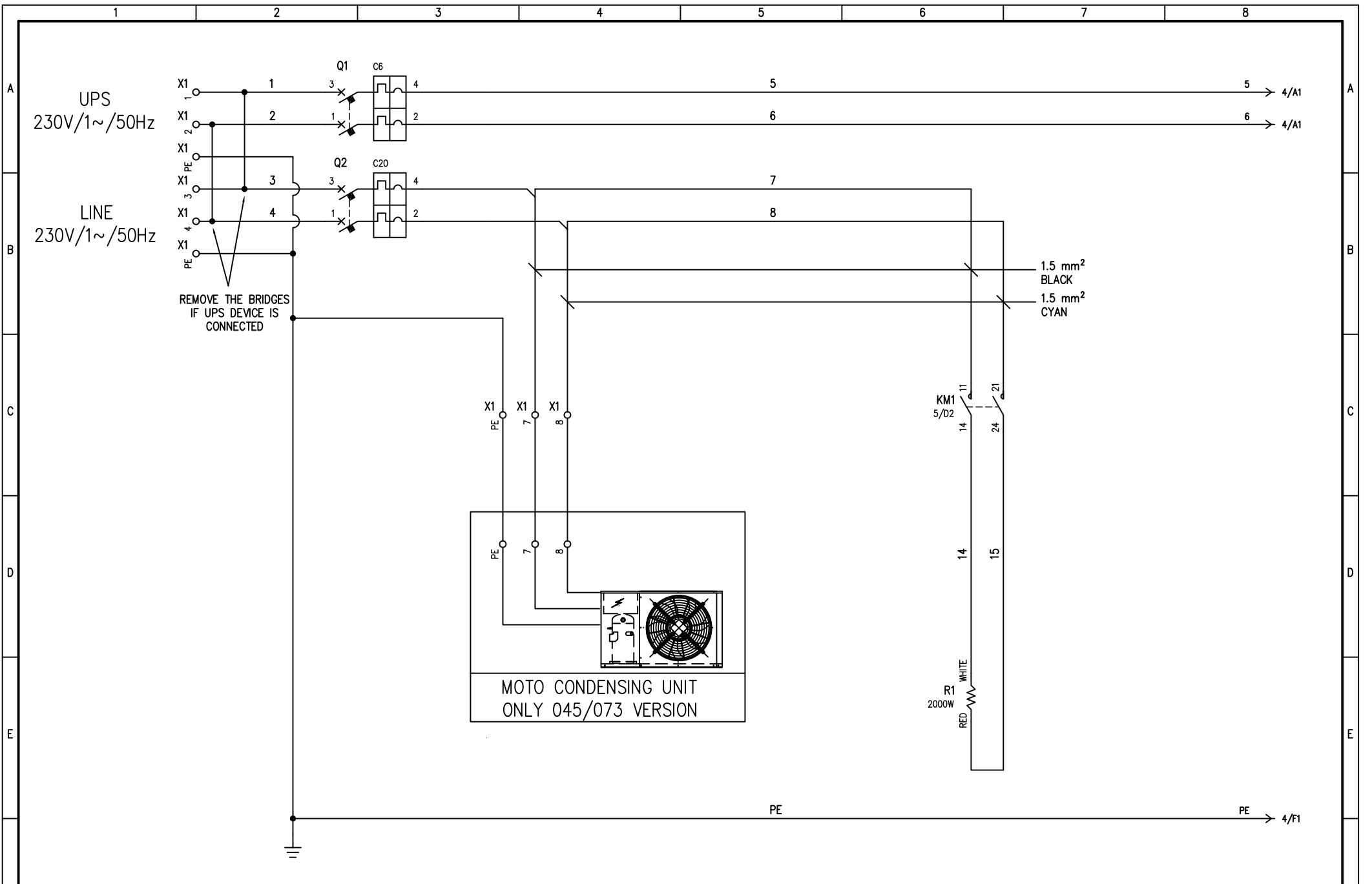
Power supply	230V/3~/50Hz	-
Auxiliary supply	24VAC	-

Created by	N.C.1	Revision by	N.C.1	Index	A
Date	20/10/2008	On	06/05/2008		

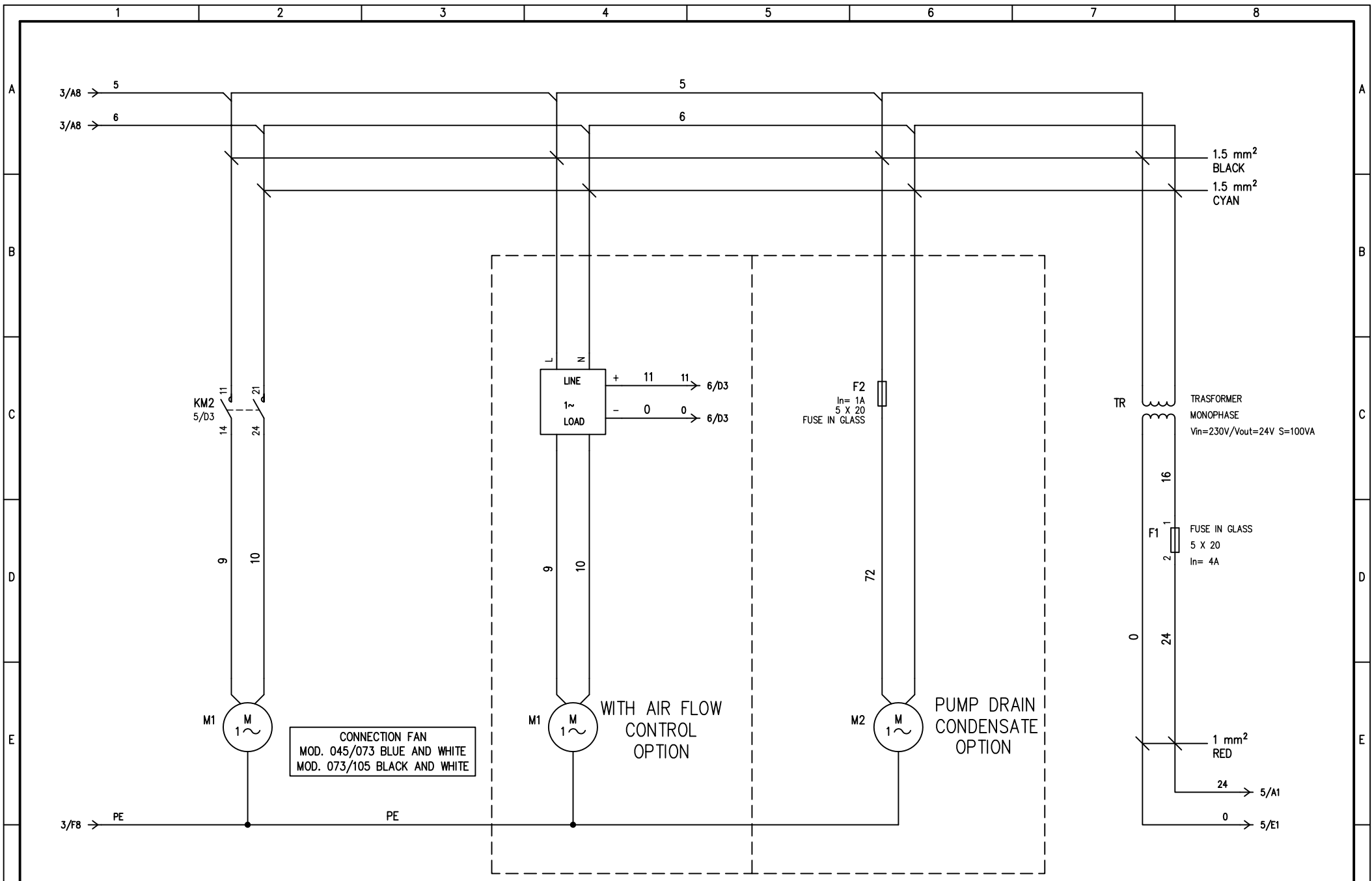
Max power (kW)	SEE TABLE ON PAGE 2
FLA (A)	SEE TABLE ON PAGE 2
RLA (A)	SEE TABLE ON PAGE 2

Main protection	SEE TABLE ON PAGE 2
-----------------	---------------------

A	1	2	3	4	5	6				7	8	A	
	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%				
	045	UPS	0,25	2,5	6	6	1,5	150	1,5	150			
	045	LINE	1,95	10,7	38	20	1,5	35	1,5	35			
B	056	UPS	0,25	2,5	6	6	1,5	150	1,5	150			
	056	LINE	2,5	12	50	20	1,5	31	1,5	31			
	073	UPS	0,25	2,5	6	6	1,5	150	1,5	150			
	073	LINE	3,16	15,5	64	20	2,5	40	1,5	24			
C	090 – 105	UPS	0,25	2,5	6	6	1,5	150	1,5	150			
	090 – 105	LINE (WITH HEATING)	2	8,7	8,7	20	1,5	43	1,5	43			
D												D	
E												E	
F	A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007					SHEET 2 OF 20 CONTINUE 3		F
					DRAW.	N.C.1							
					CHECK	F.F.1							
	REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.							HF620C0722
	1	2	3	4	5	6	7	8					



A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE 20/10/2007		HF620C0722	SHEET 3 OF 20
				CHECK F.F.1			CONTINUE 4
REV.	MODIFICATIONS	DATE	SIGN.	APPR. M.M.			



CONNECTION FAN
 MOD. 045/073 BLUE AND WHITE
 MOD. 073/105 BLACK AND WHITE

WITH AIR FLOW
 CONTROL
 OPTION

PUMP DRAIN
 CONDENSATE
 OPTION

TRANSFORMER
 MONOPHASE
 Vin=230V/Vout=24V S=100VA

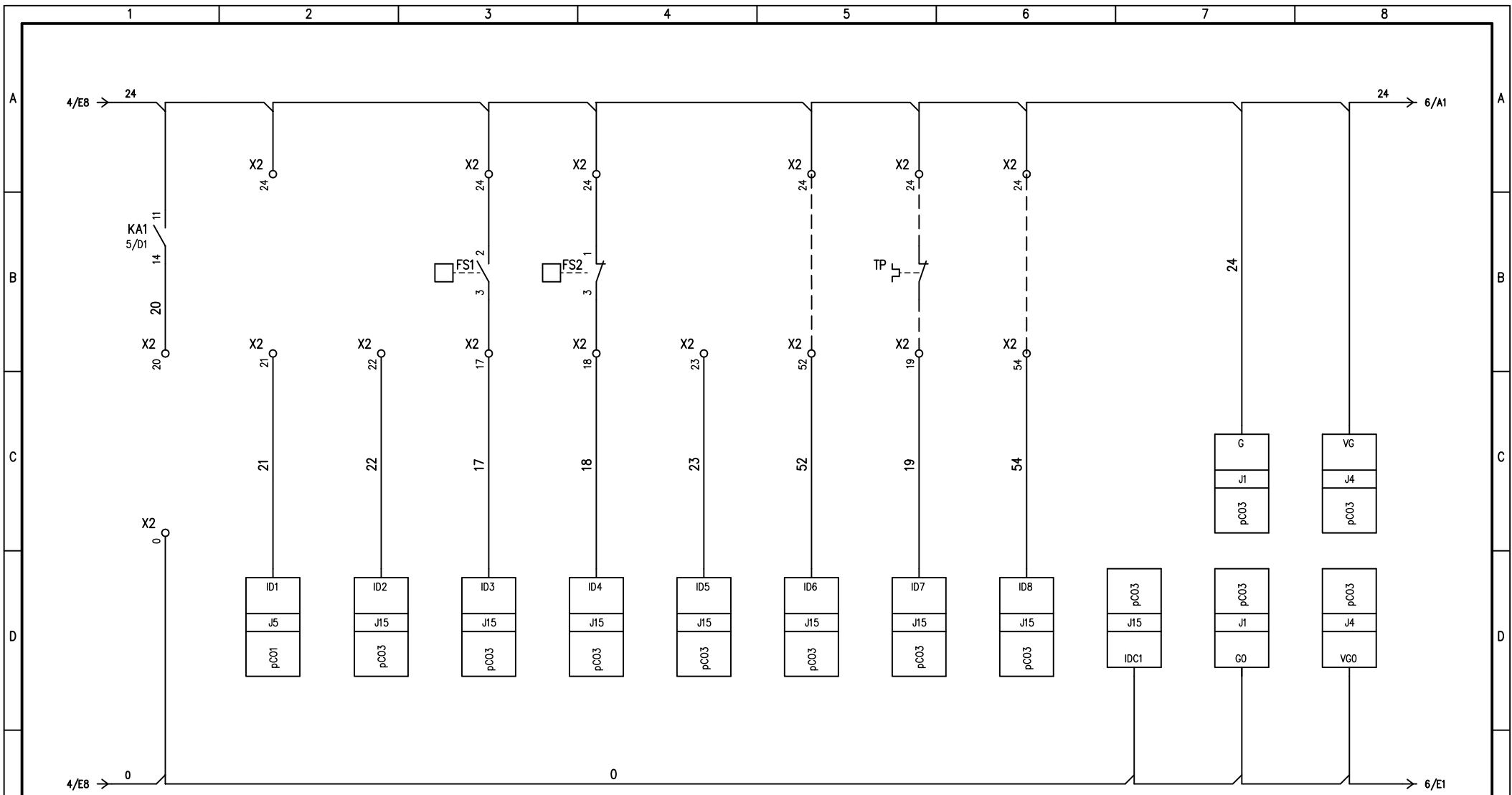
FUSE IN GLASS
 5 X 20
 In= 4A

F2
 In= 1A
 5 X 20
 FUSE IN GLASS

A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE 20/10/2007
				DRAW. N.C.1
				CHECK F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR. M.M.



HF620C0722



COMPRESSOR
ON-OFF

HIGH
PRESSURE
ALARM

LOW
PRESSURE
SWITCH

AIR FLOW
SWITCH

DIRTY FILTER
SWITCH

PRESENCE
TENSION
RELAY ALARM

HUMAN CONFORT
SWITCH
OR
FIRE ALARM
OR
FLOODING ALARM

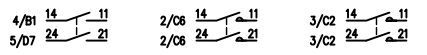
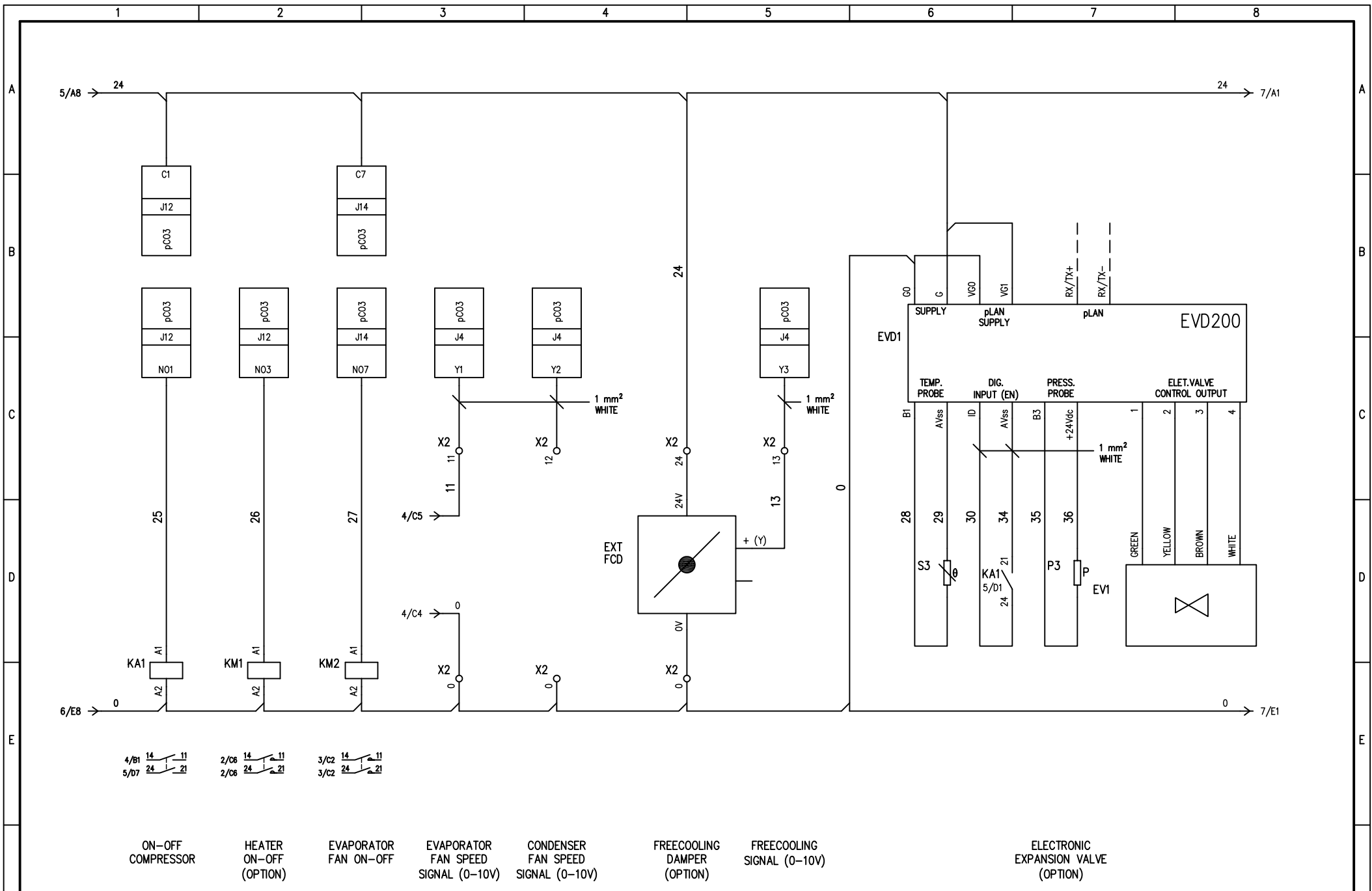
HEATER'S
THERMOSTAT
PROTECTION

REMOTE
ON-OFF

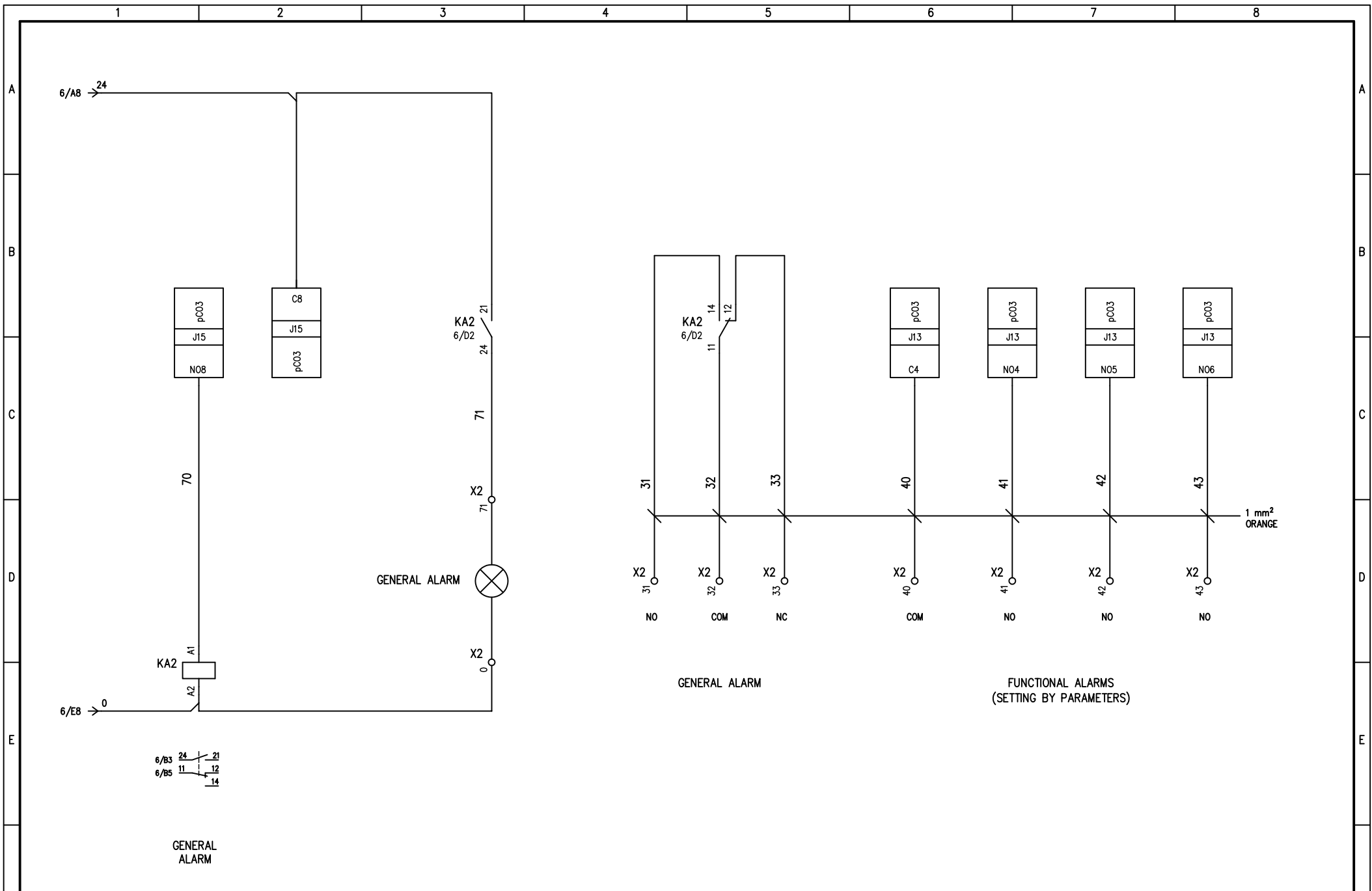
A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
				DRAW.	N.C.1
				CHECK	F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.



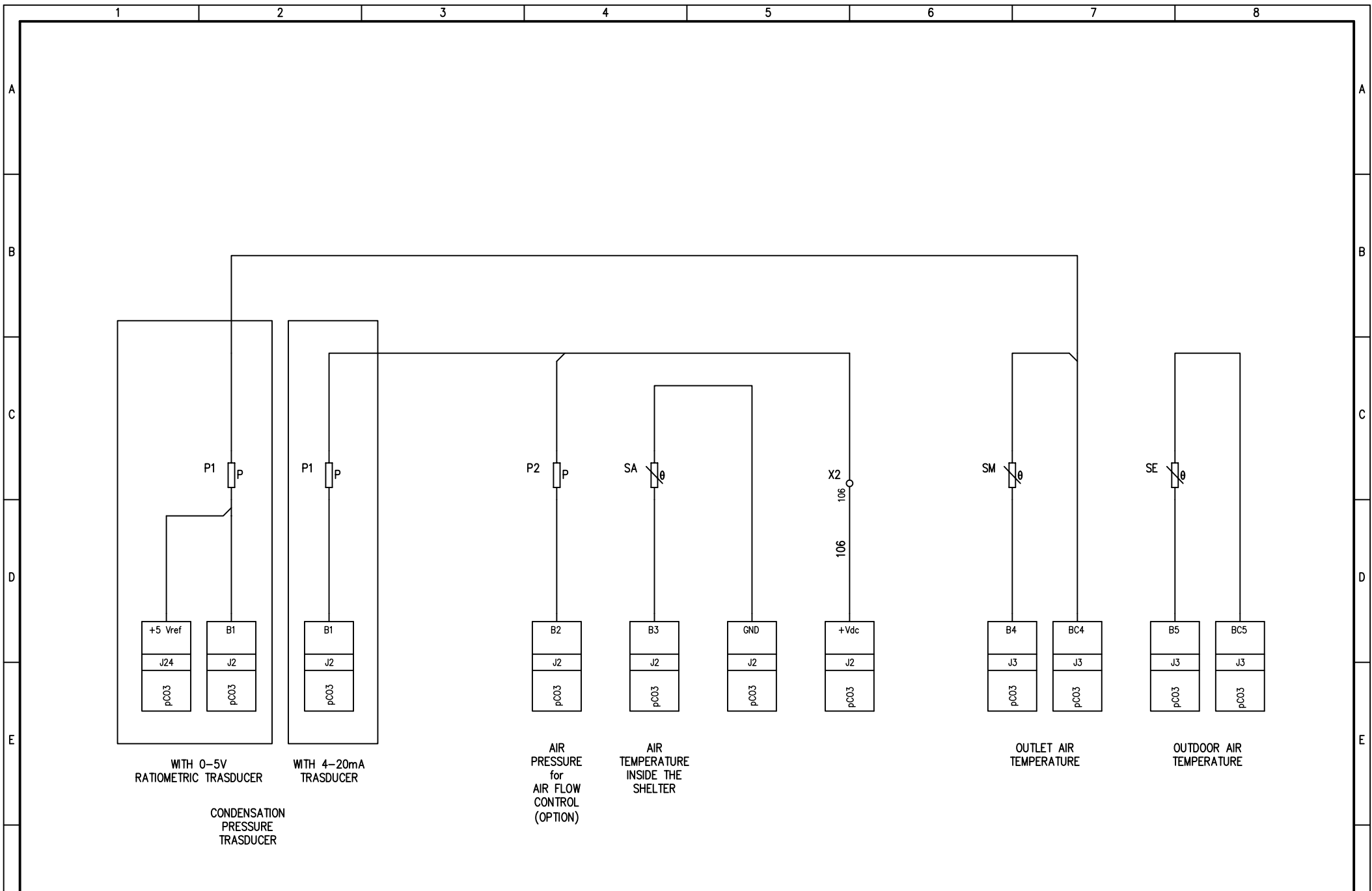
HF620C0722



REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.		HF620C0722	SHEET 6 OF 20 CONTINUE 7
A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007			
				DRAW.	N.C.1			



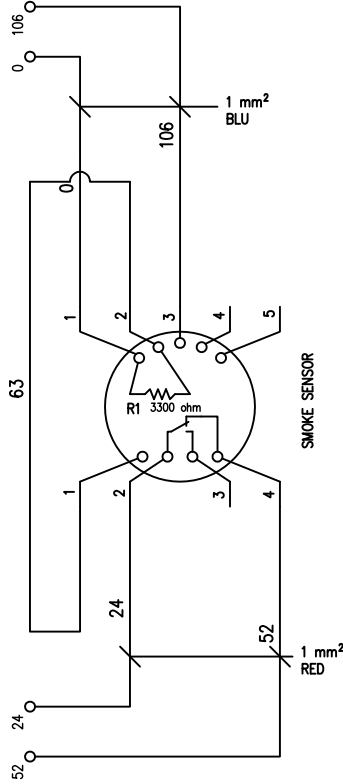
A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007		HF620C0722	SHEET	7 OF 20	
				DRAW.	N.C.1					
				CHECK	F.F.1					
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.			CONTINUE	8	



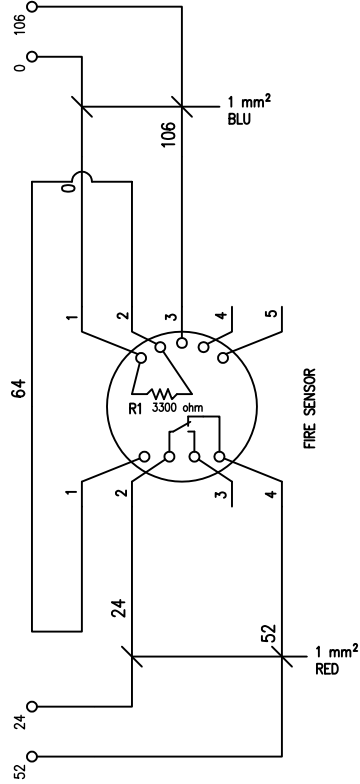
A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
				DRAW.	N.C.1
				CHECK	F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.



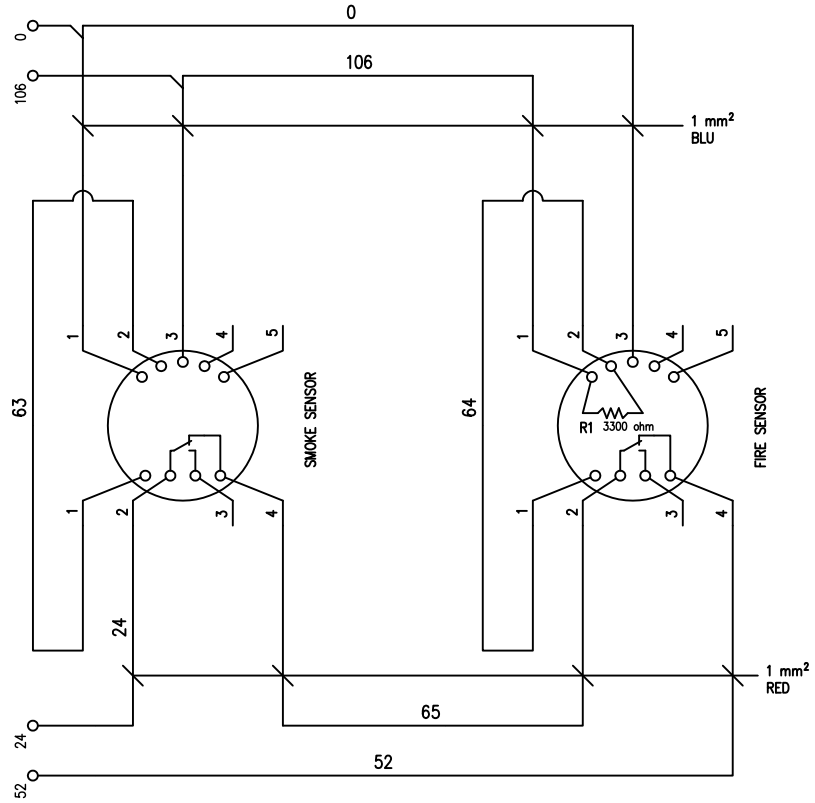
HF620C0722



SMOKE ALARM
OPTION



FIRE ALARM
OPTION

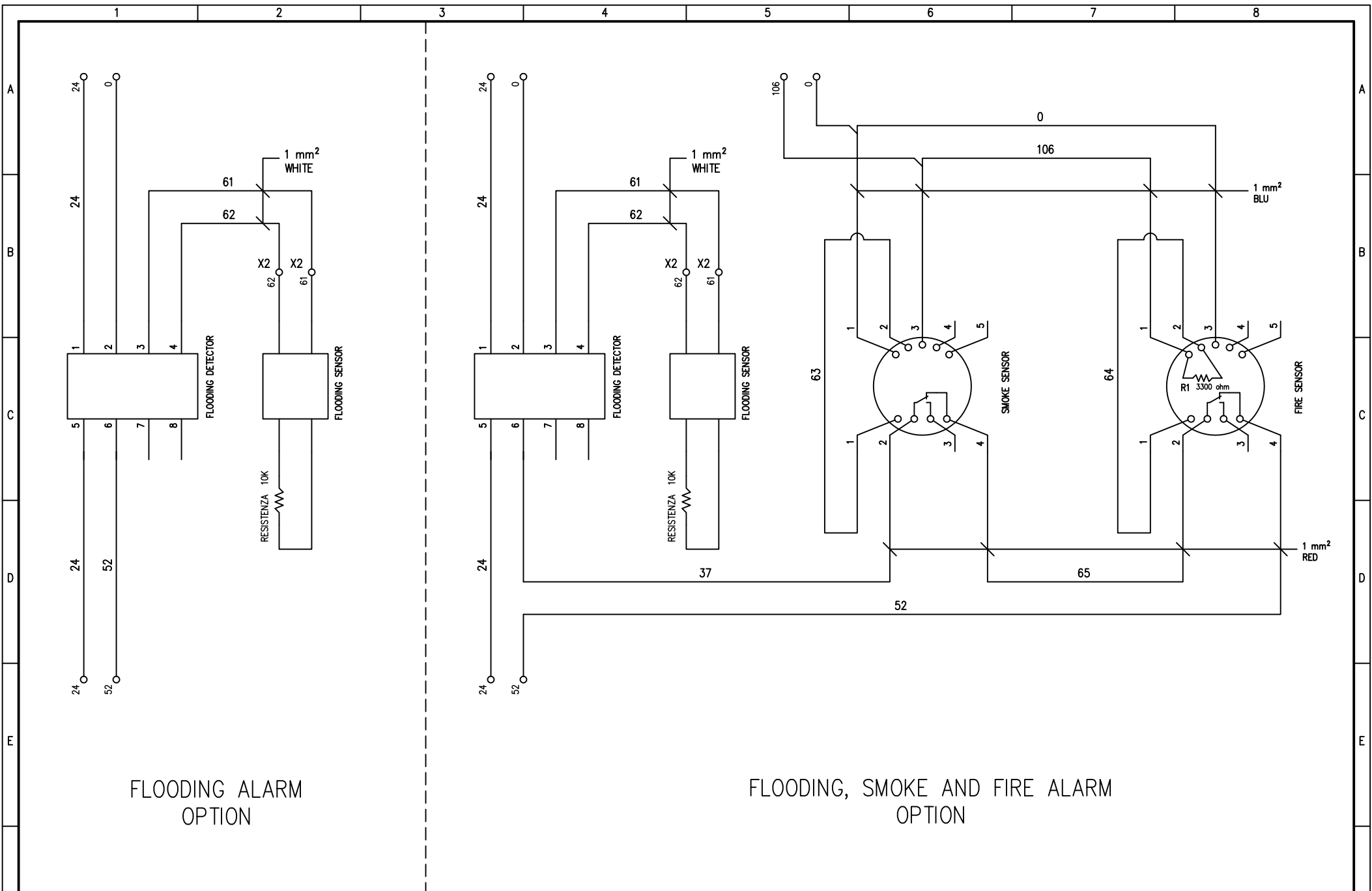


SMOKE AND FIRE ALARM
OPTION

A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
				DRAW.	N.C.1
				CHECK	F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.



HF620C0722



FLOODING ALARM
OPTION

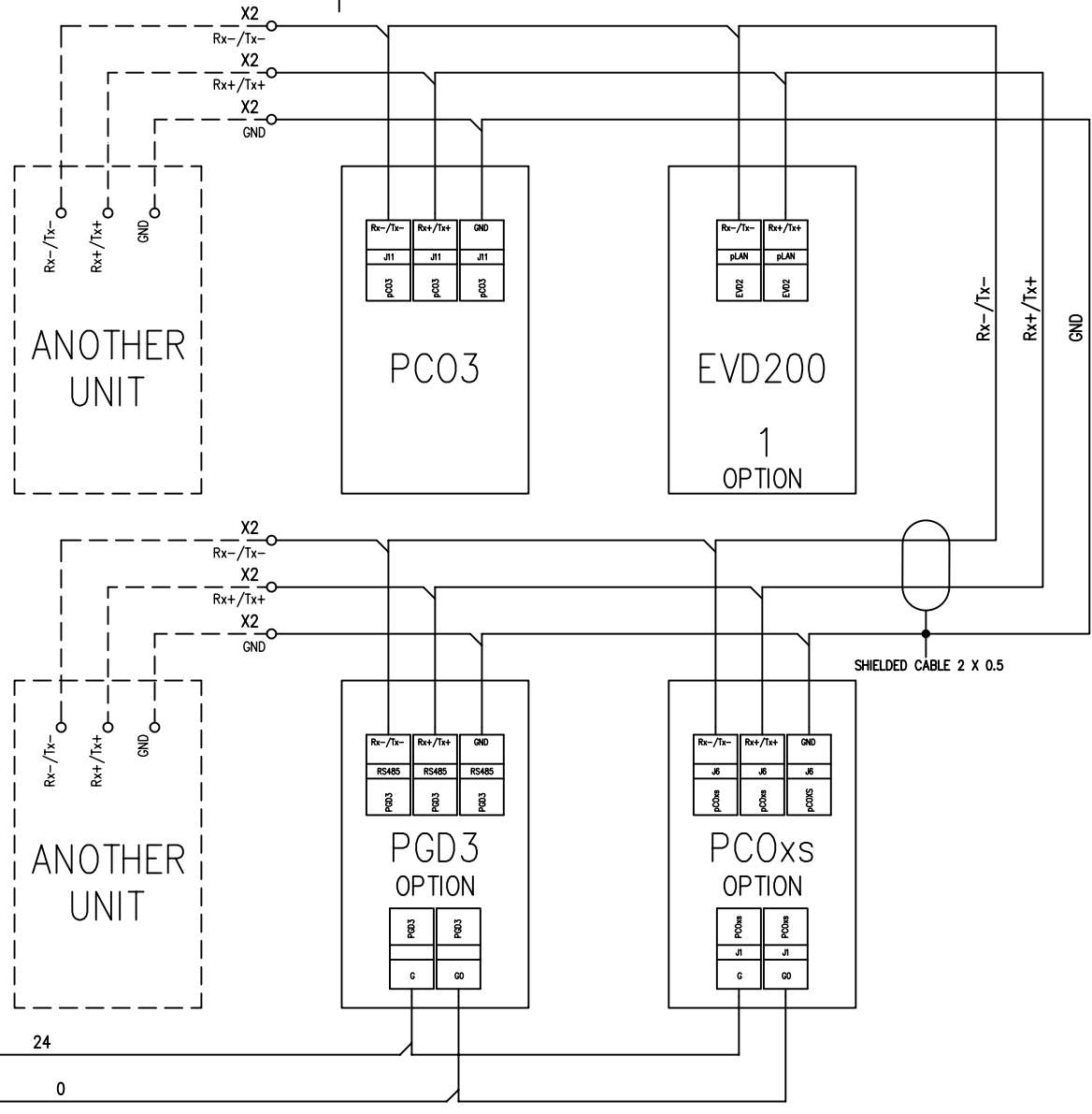
FLOODING, SMOKE AND FIRE ALARM
OPTION

A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
				DRAW.	N.C.1
				CHECK	F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.



HF620C0722

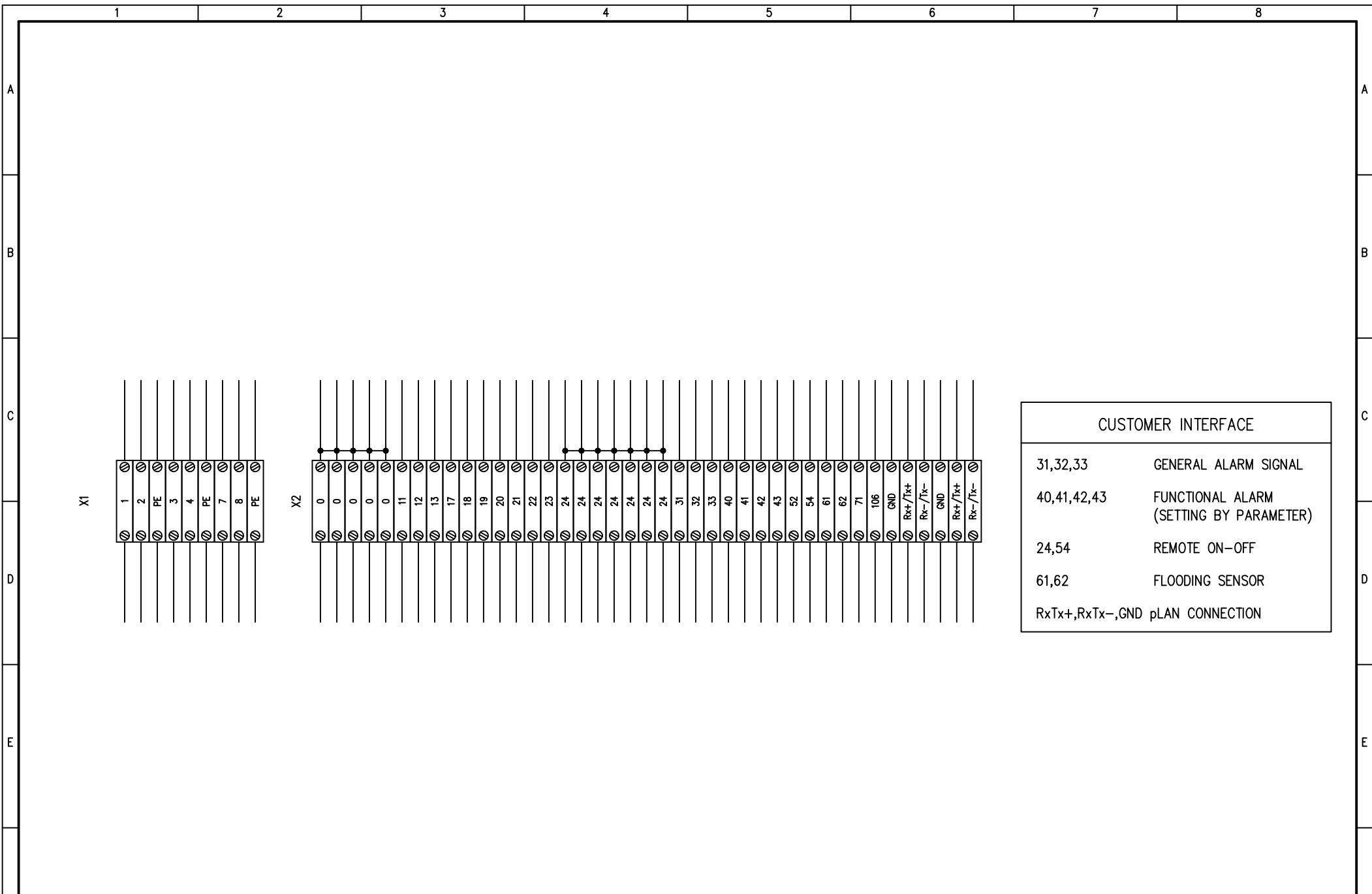
pLAN CONNECTION



A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
				DRAW.	N.C.1
				CHECK	F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.



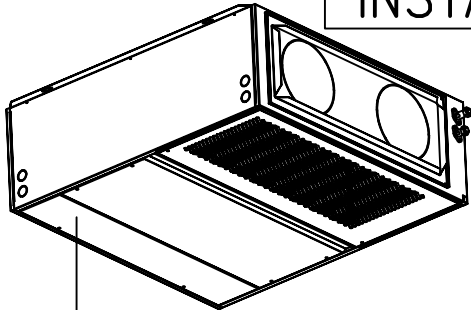
HF620C0722



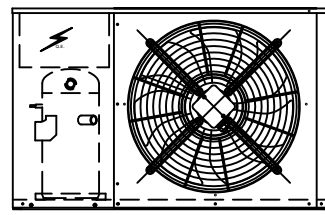
CUSTOMER INTERFACE	
31,32,33	GENERAL ALARM SIGNAL
40,41,42,43	FUNCTIONAL ALARM (SETTING BY PARAMETER)
24,54	REMOTE ON-OFF
61,62	FLOODING SENSOR
RxTx+,RxTx-,GND	pLAN CONNECTION

A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007		HF620C0722	SHEET 12 OF 20
				DRAW.	N.C.1			
				CHECK	F.F.1			
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.			CONTINUE 13

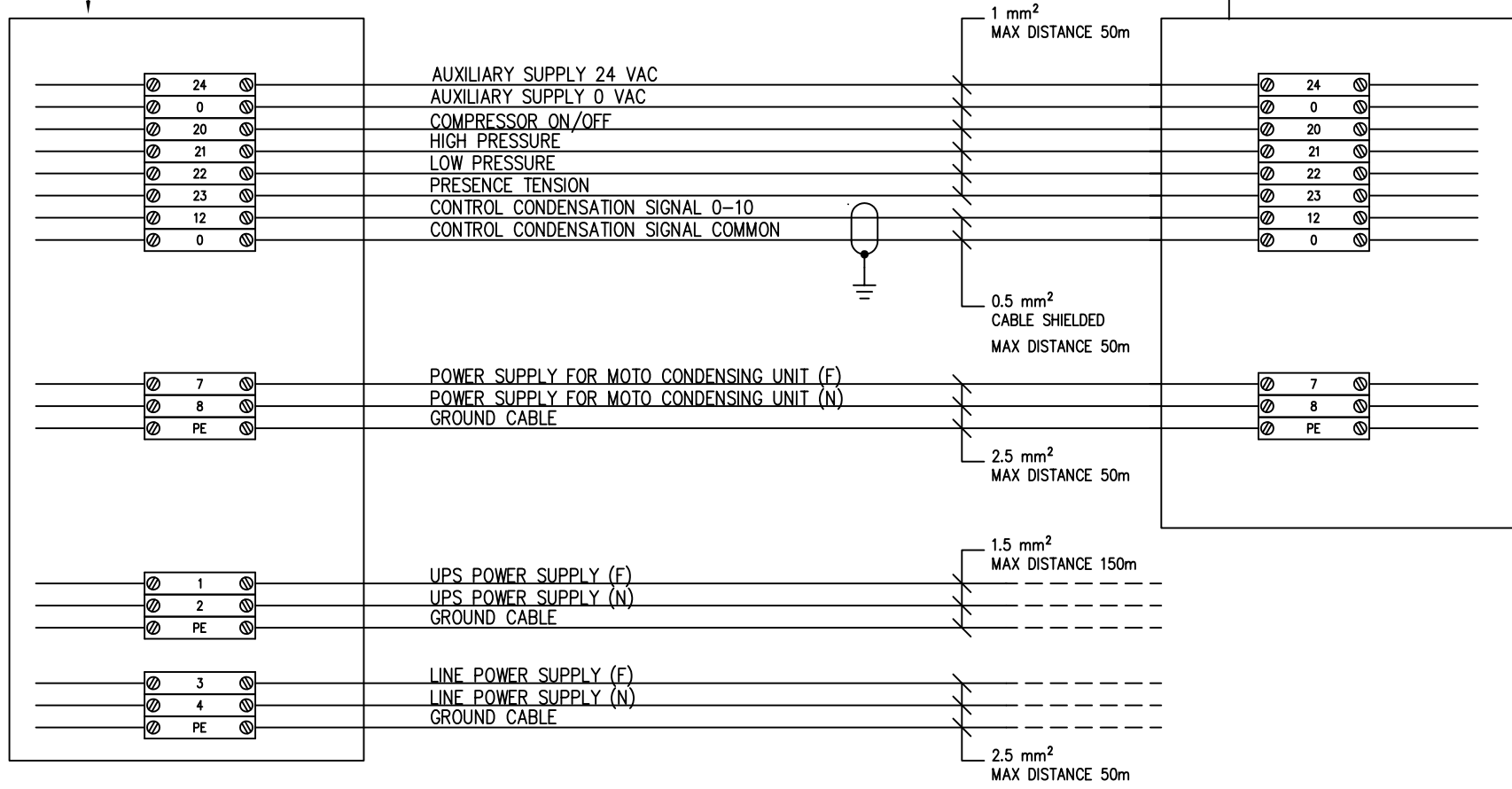
INSTALLATION SHEET FOR MOD. 045/073



INTERNAL EVAPORATOR UNIT



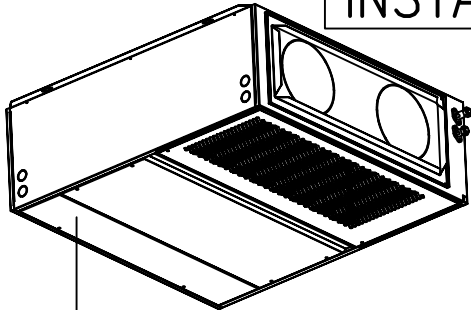
EXTERNAL CONDENSING UNIT



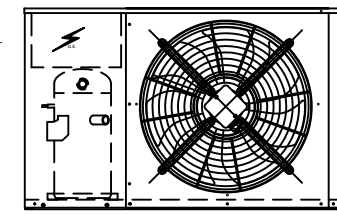
HF620C0722

A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE 20/10/2007	DRAW. N.C.1
					CHECK F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR. M.M.	

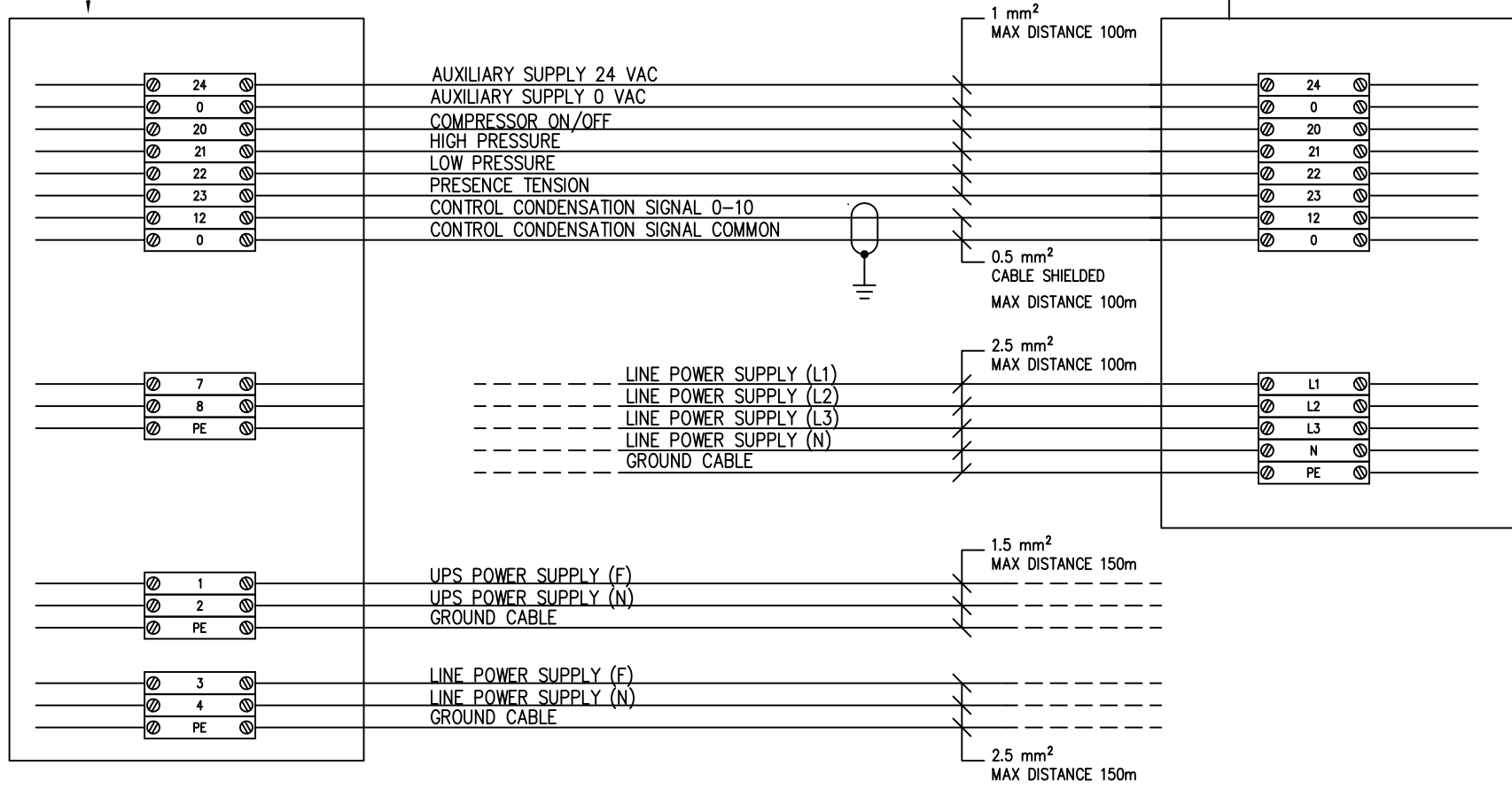
INSTALLATION SHEET FOR MOD. 090/105



INTERNAL EVAPORATOR UNIT



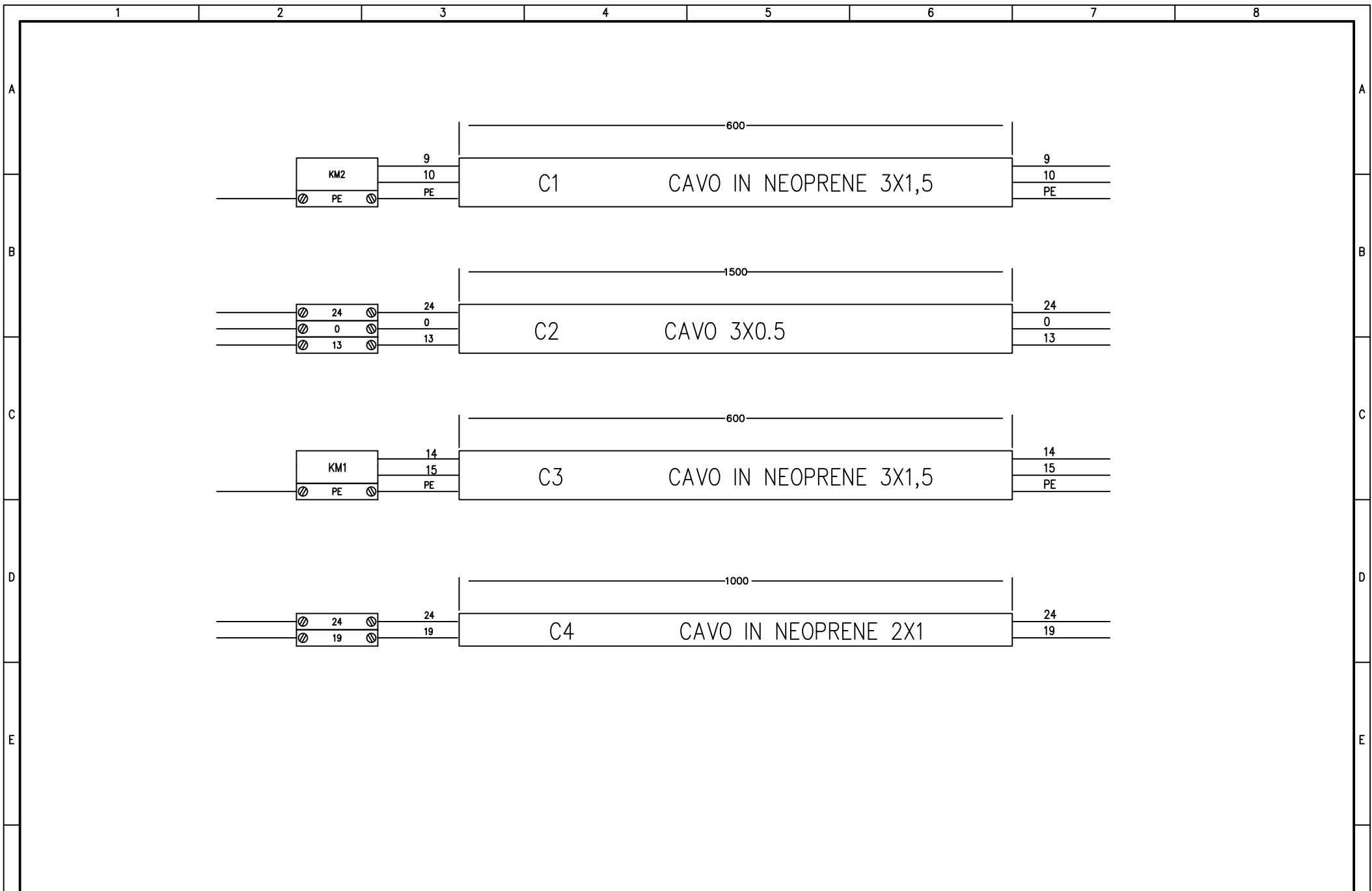
EXTERNAL CONDENSING UNIT



A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE 20/10/2007
				DRAW. N.C.1
				CHECK F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR. M.M.



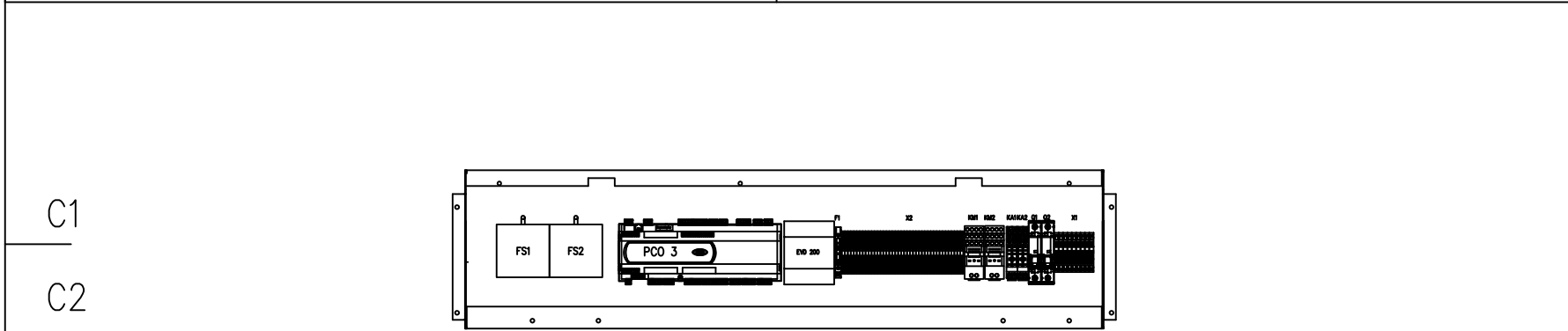
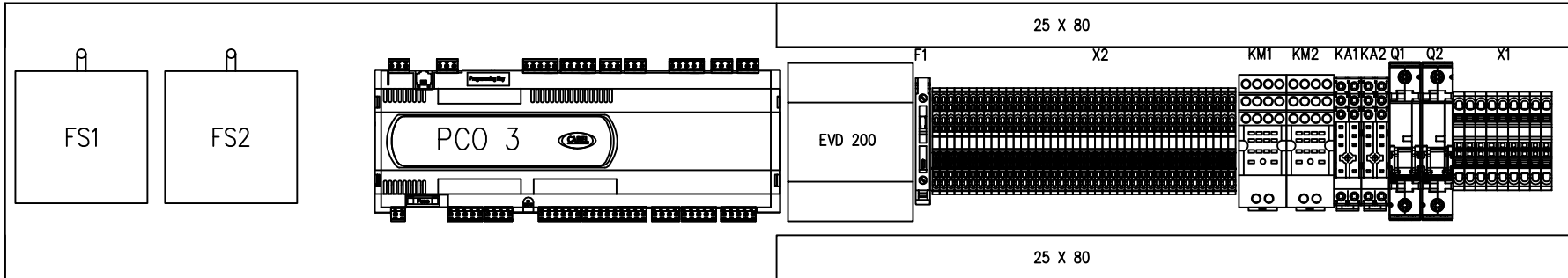
HF620C0722



A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007		HF620C0722	SHEET 15 OF 20
				DRAW.	N.C.1			CONTINUE 16
				CHECK	F.F.1			
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.			

LAYOUT COMPONENTI E USCITE CAVI (LA LUNGHEZZA DEI CAVI E' RIFERITA ALL'ESTERNO DEL QUADRO)

IL TRASFORMATORE TOROIDALE DEVE ESSERE COLLOCATO DIETRO IL Q.E.



A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
				DRAW.	N.C.1
				CHECK	F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.



HF620C0722

1 2 3 4 5 6 7 8

A

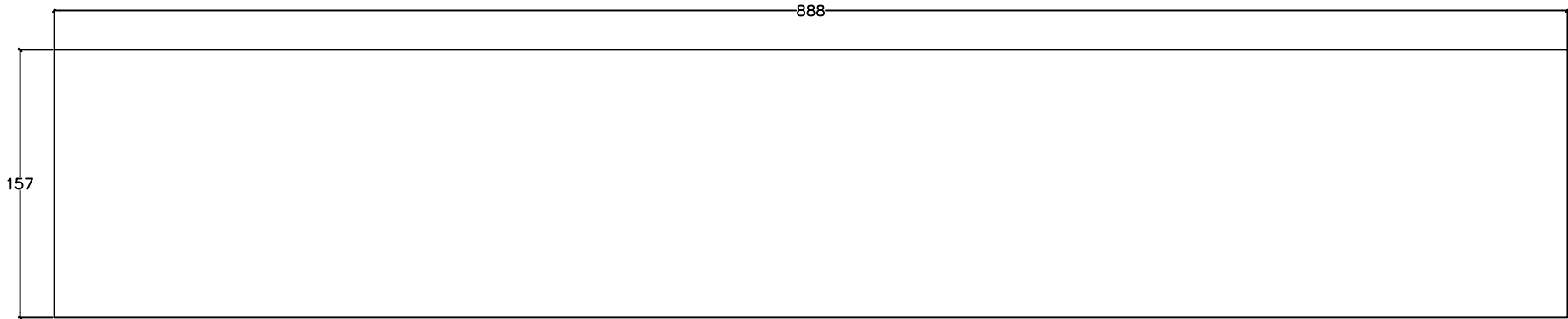
LAYOUT PIASTRA DI FONDO

A

B

B

C



C

D

D

E

E

F

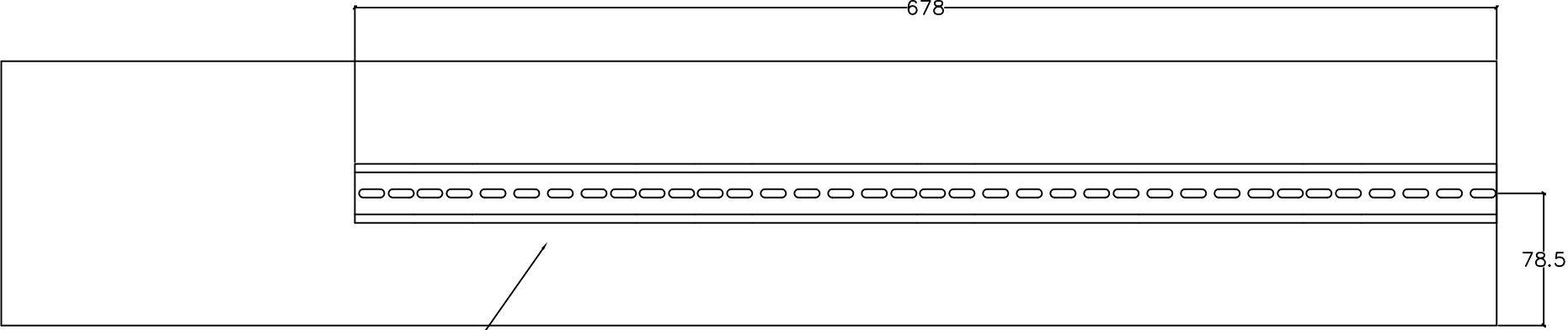
A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
				DRAW.	N.C.1
				CHECK	F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.



HF620C0722		SHEET 17 OF 20
		CONTINUE 18

1 2 3 4 5 6 7 8

LAYOUT GUIDE DIN

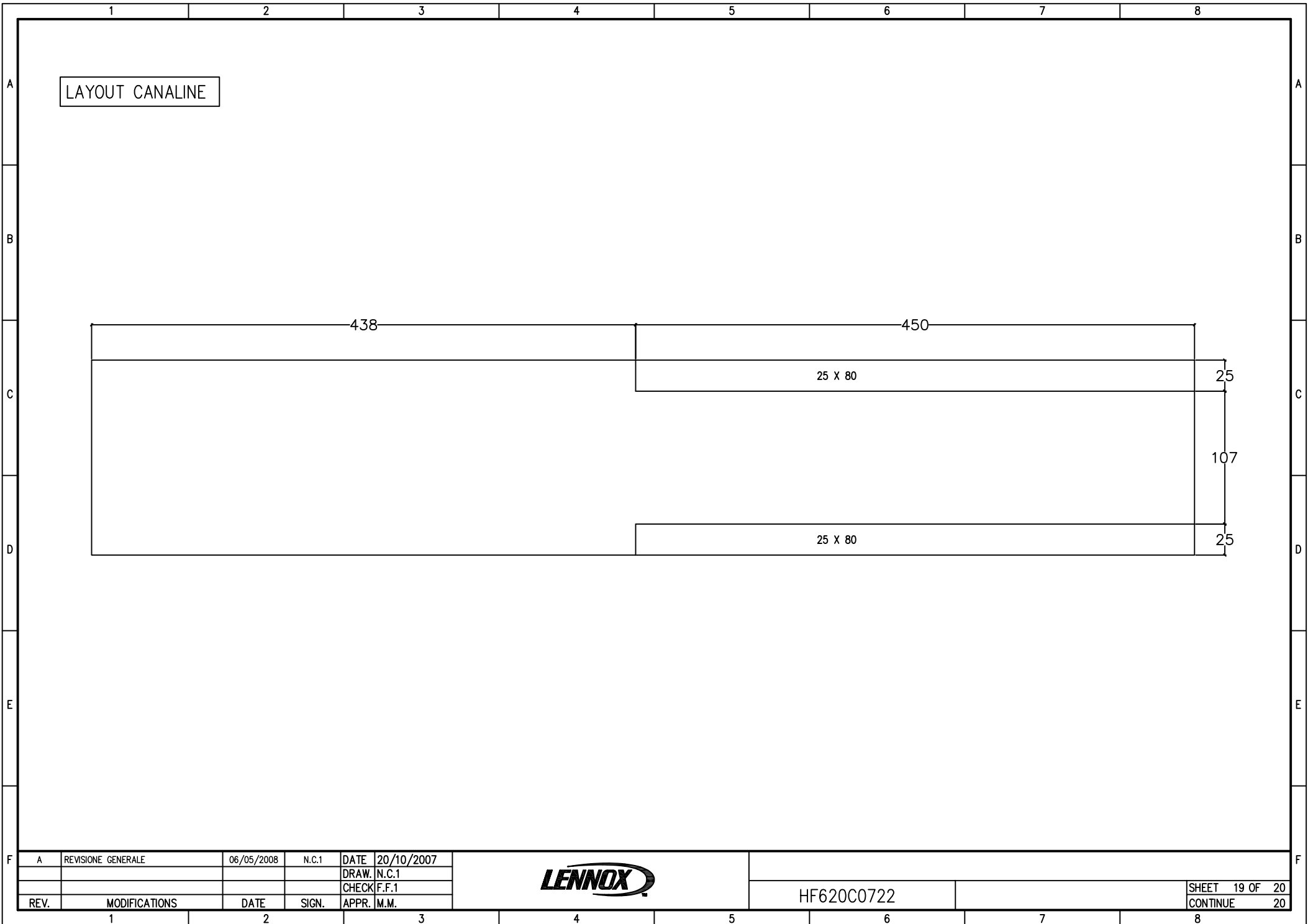


QUESTA GUIDA DIN DEVE
ESSERE RIALZATA DI 10mm



A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
				DRAW.	N.C.1
				CHECK	F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.

HF620C0722		SHEET 18 OF 20
		CONTINUE 19



LAYOUT CANALINE

438

450

25 X 80

25

107

25 X 80

25

A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
				DRAW.	N.C.1
				CHECK	F.F.1
REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.



HF620C0722

SHEET 19 OF 20
CONTINUE 20

1	2	3	4	5	6	7	8				
A	UBICAZIONE	SIGLA	FUNZIONE	MARCA	CODICE	DESCRIZIONE	QUANTITA'	M.U.	POSIZIONE	A	
		Q1	PROTEZIONE LINEA UPS	SIEMENS	5SY6 006-7	INT. AUT. 1P+N C6 6KA	1	PCE			
		Q2	PROTEZIONE LINEA 230 V	SIEMENS	5SY6 020-7	INT. AUT. 1P+N C20 6KA	1	PCE			
B		F1	PROTEZIONE CIRCUITO DI COMANDO	ITALWEBER	0104004	FUSIBILE IN VETRO 5 X 20 In= 4A	1	PCE		B	
		F2	PROTEZIONE POMPA SCARICO CONDENZA	ITALWEBER	0101001	FUSIBILE IN VETRO 5 X 20 In= 1A IL QUADRISTA NON DEVE MONTARLO	1	PCE			
		F	MORSETTO PORTA FUSIBILE	PHOENIX	3004100	PER FUSIBILI TIPO G 5 X 20	2	PCE			
		X1	MORSETTIERA	PHOENIX	3031393	MORSETTO A MOLLA ST 4-TWIN	6	PCE			
C		X1	MORSETTIERA	PHOENIX	3031416	MORSETTO A MOLLA GIALLO VERDE ST 4-TWIN-PE	3	PCE		C	
		X2	MORSETTIERA	PHOENIX	3031128	MORSETTO A ST 1.5-TWIN	41	PCE			
		TR	TRSFOMATORE TOROIDALE	MARINI	54TD3XL	TRASFORMATORE V1=230V / V2=24V S=100VA	1	PCE			
D		KM1	ON/OFF RESISTENZA	FINDER	55328024 + 9472 + 09471	RELE' 2 CONTATTI 10A BOB. 24VAC IL QUADRISTA DEVE PREDISPORRE SOLO LO ZOCCOLO	1	PCE		D	
		KM2	ON/OFF VENTILATORE EVAP.	FINDER	55328024 + 9472 + 09471	RELE' 2 CONTATTI 10A BOB. 24VAC	1	PCE			
		KA1	ON/OFF TELERUTTORE COMPRESSORE	FINDER	40528024+9505+095.71	RELE' 2 CONTATTI 8A BOB. 24VAC	1	PCE			
		KA2	RELE' ALLARME GENERALE	FINDER	40528024+9505+095.71	RELE' 2 CONTATTI 8A BOB. 24VAC	1	PCE			
E			PIASTRA DI FONDO	HIREF	HF17000823	PIASTRA DI FONDO	1	PCE		E	
			VANO Q.E.	HIREF	HF17000459	VANO Q.E.	1	PCE			
F	A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007					
					DRAW.	N.C.1					
					CHECK	F.F.1					
	REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.					
	1	2	3	4	5	6	7	8			
											
						HF620C0722				SHEET 20 OF 20 CONTINUE	