



Serie

THSI

Model

045 - 105

Drawing code

HF620C0722

Controller

PC03

Power supply

230V/1~/50Hz +N

-

Auxiliary supply

24VAC

-

Created by

N.C.1

Revision by

N.C.1

Date

20/10/2008

On

11/01/2010

Index

B

Max power (kW)

SEE TABLE ON PAGE 2

FLA (A)


SEE TABLE ON PAGE 2

RLA (A)

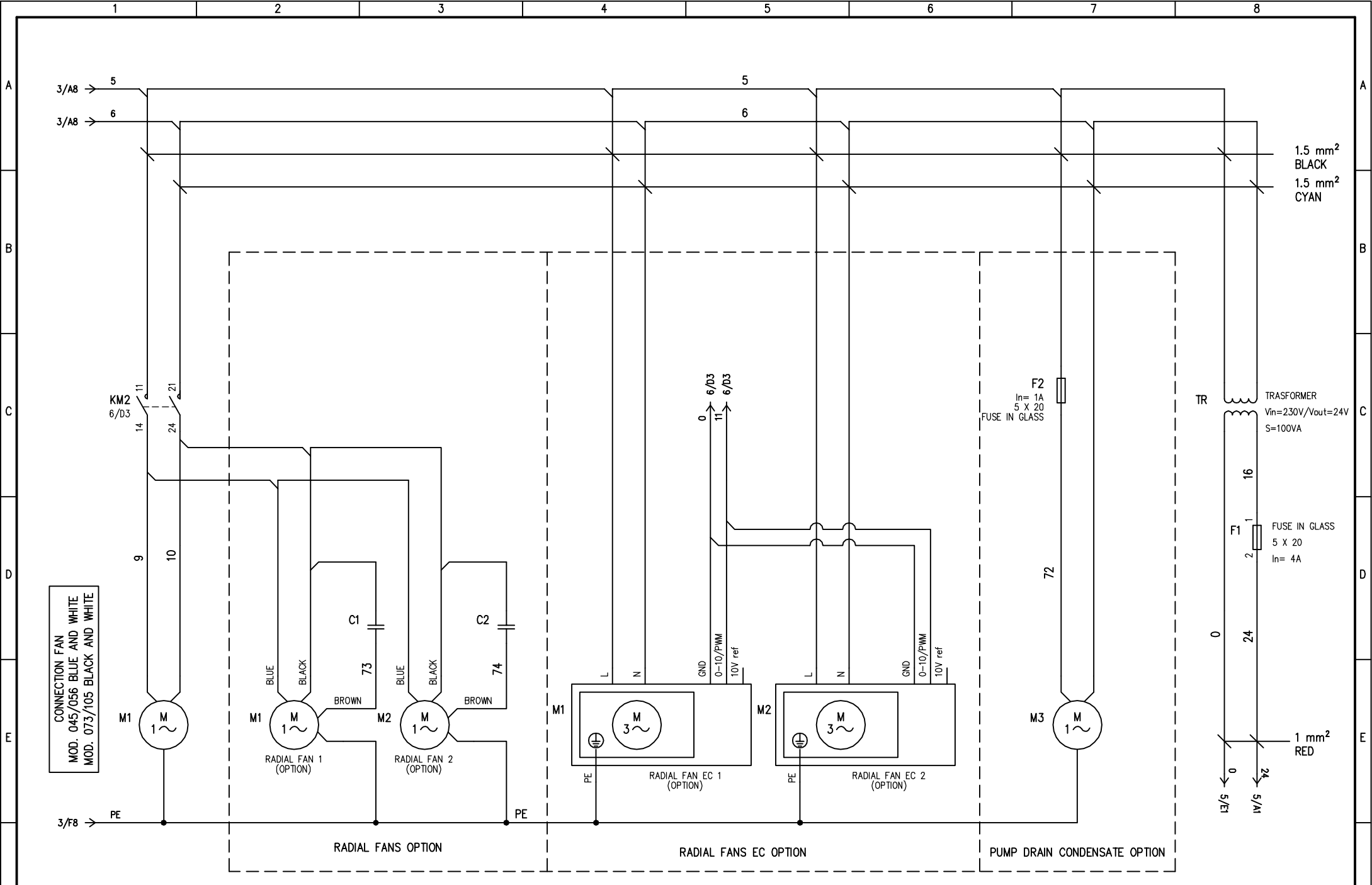
SEE TABLE ON PAGE 2

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 <sup>2</sup> ) 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 CENTRIFUGAL FANS	UPS	0,25	2,5	6	6	1,5	150	1,5	150				
	045 RADIAL FANS	UPS	0,37	1,6	/	6	1,5	210	1,5	210				
	045	LINE	1,95	10,7	38	20	2,5	58	2,5	58				
B	056 CENTRIFUGAL FANS	UPS	0,25	2,5	6	6	1,5	150	1,5	150	B			
	056 RADIAL FANS	UPS	0,37	1,6	/	6	1,5	210	1,5	210				
	056	LINE	2,5	12	50	20	2,5	52	2,5	52				
C	073 CENTRIFUGAL FANS	UPS	0,25	2,5	6	6	1,5	150	1,5	150	C			
	073 RADIAL FANS	UPS	0,37	1,6	/	6	1,5	210	1,5	210				
	073	LINE	3,16	15,5	64	20	2,5	40	2,5	40				
D	090 – 105 CENTRIFUGAL FANS	UPS	0,25	2,5	6	6	1,5	150	1,5	150	D			
	090 – 105 RADIAL FANS	UPS	0,37	1,6	/	6	1,5	210	1,5	210				
	090 – 105	LINE (WITH HEATING)	2	8,7	8,7	20	2,5	71	2,5	71				
E												E		
F	A REVISIONE GENERALE		06/05/2008	N.C.1	DATE	20/10/2007					HF620C0722		SHEET 2 OF 22 CONTINUE 3	
	B AGGIUNTI VENTILATORI RADIALI		11/01/2010	N.C.1	DRAW.	N.C.1								
					CHECK	F.F.1								
	REV.	MODIFICATIONS	DATE	SIGN.	APPR.	M.M.								



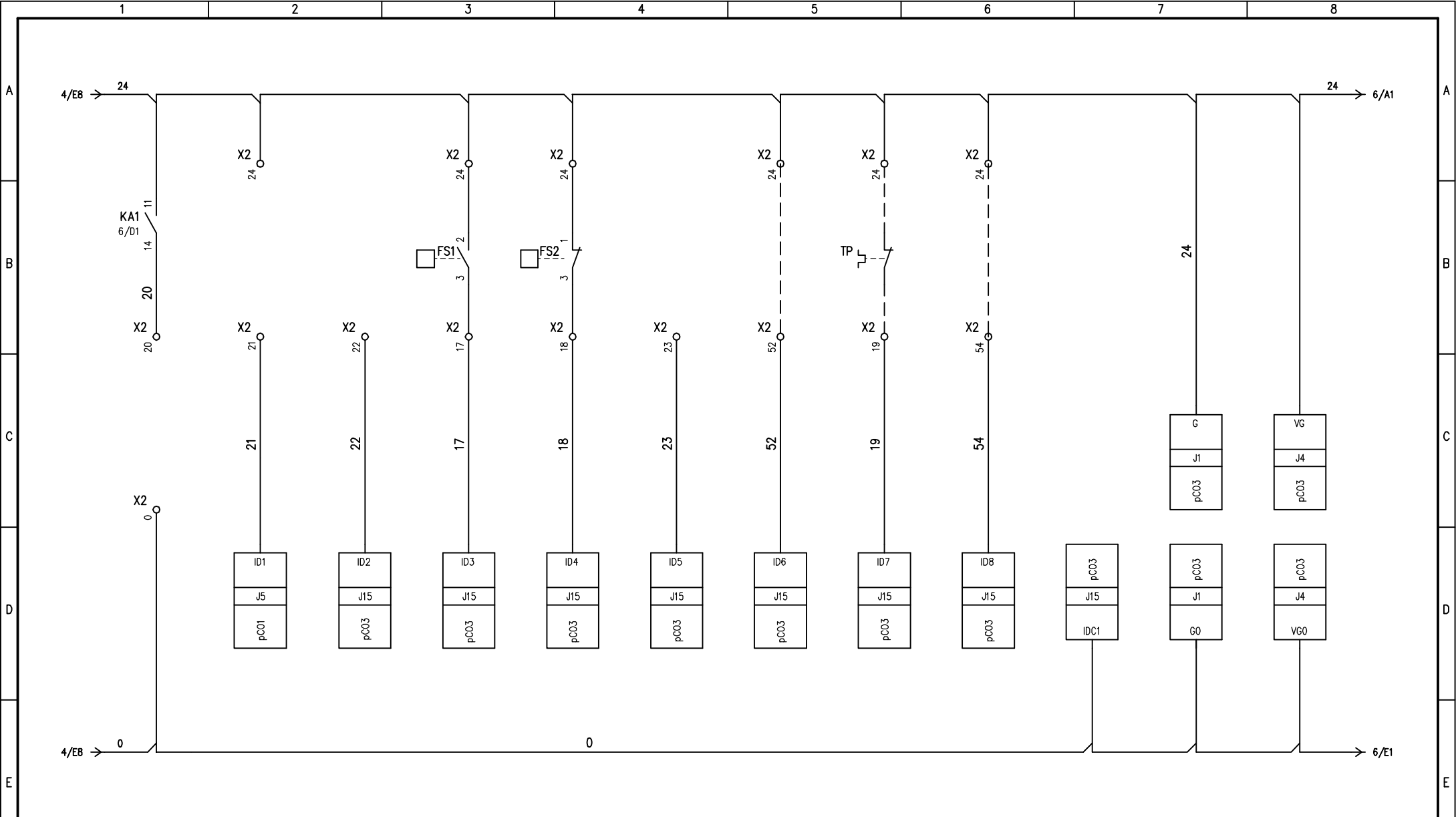


CONNECTION FAN  
 MOD. 045/056 BLUE AND WHITE  
 MOD. 073/105 BLACK AND WHITE

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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

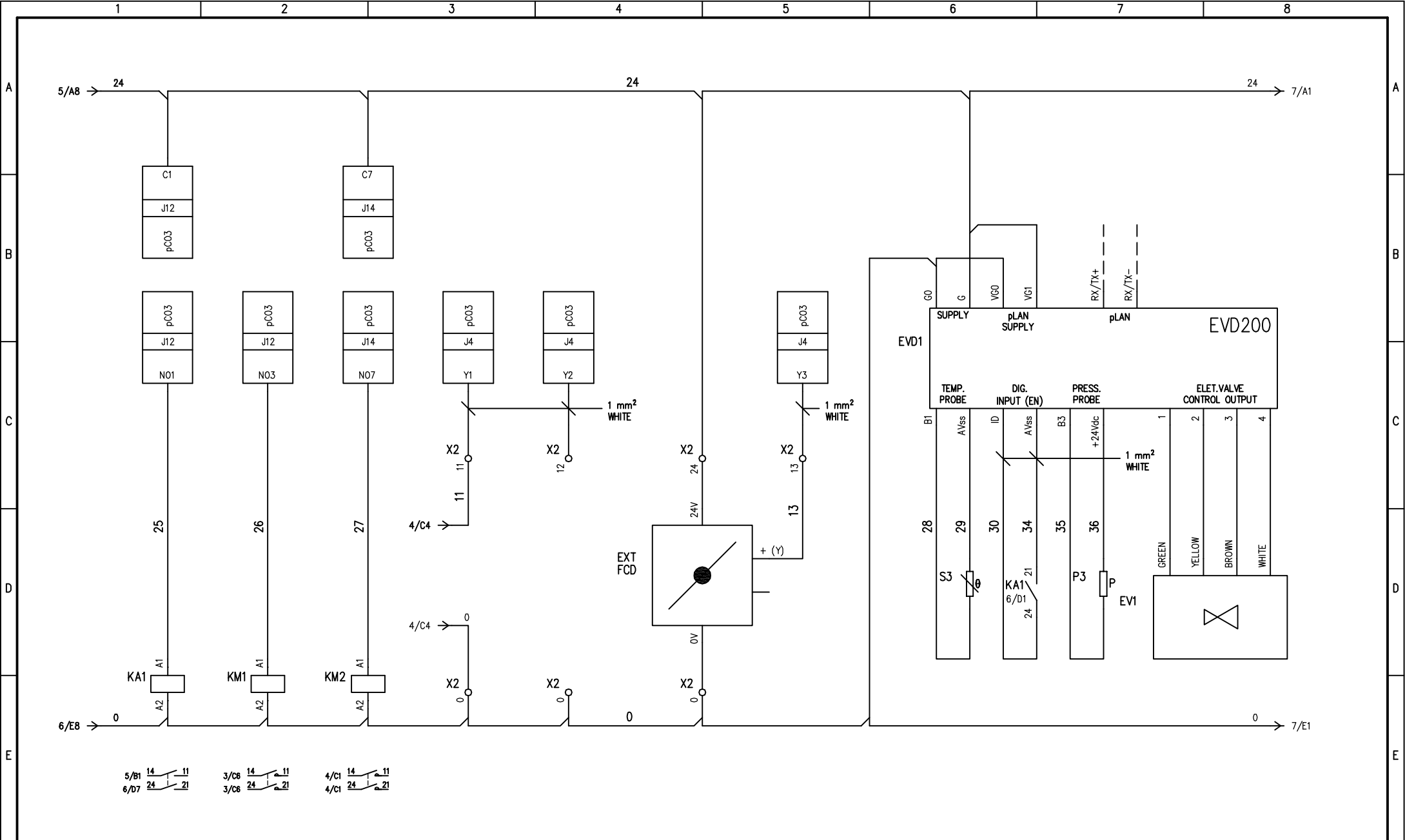
HEATER'S THERMOSTAT PROTECTION

REMOTE ON-OFF

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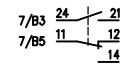
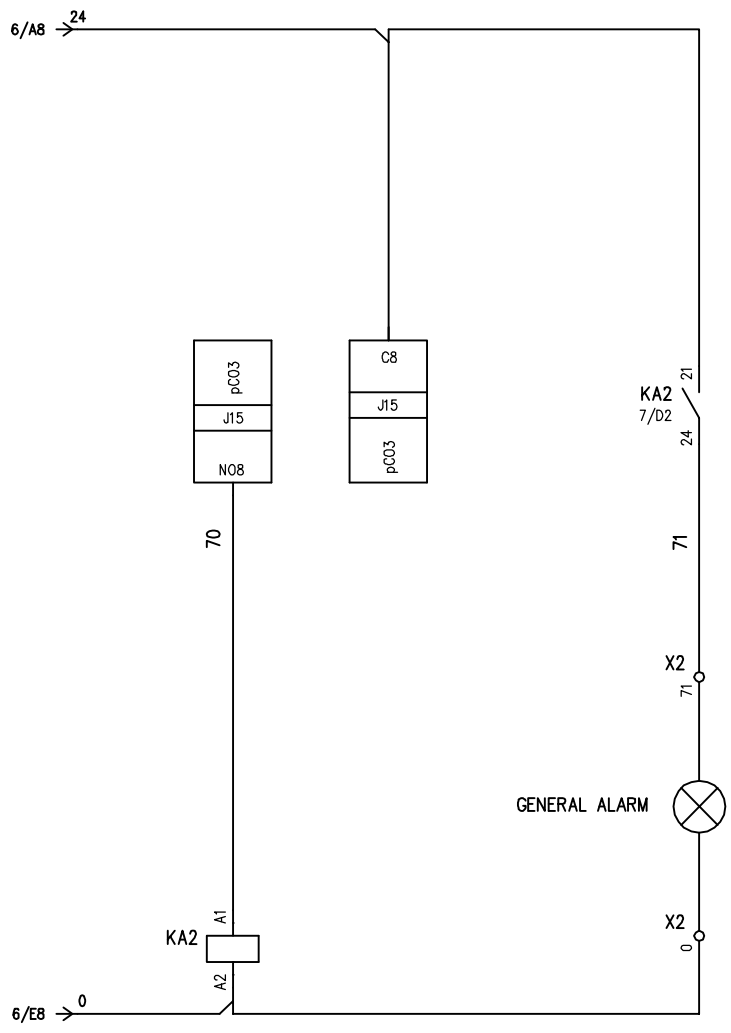


ON-OFF COMPRESSOR      HEATER ON-OFF (OPTION)      EVAPORATOR FAN ON-OFF      EVAPORATOR FAN SPEED SIGNAL (0-10V)      CONDENSER FAN SPEED SIGNAL (0-10V)      FREECOOLING DAMPER (OPTION)      FREECOOLING SIGNAL (0-10V)      ELECTRONIC EXPANSION VALVE (OPTION)

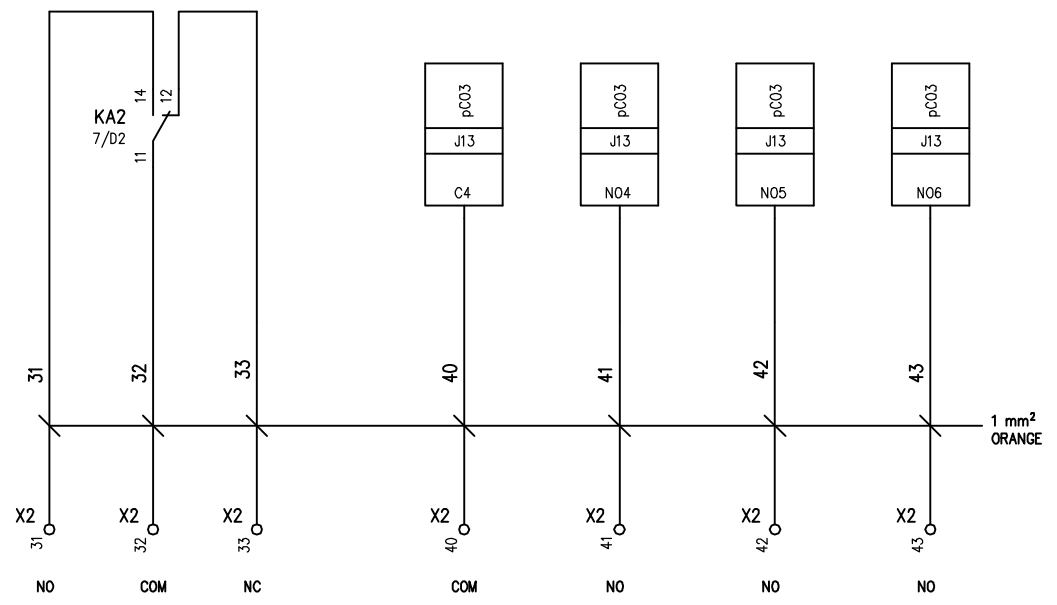
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GENERAL ALARM



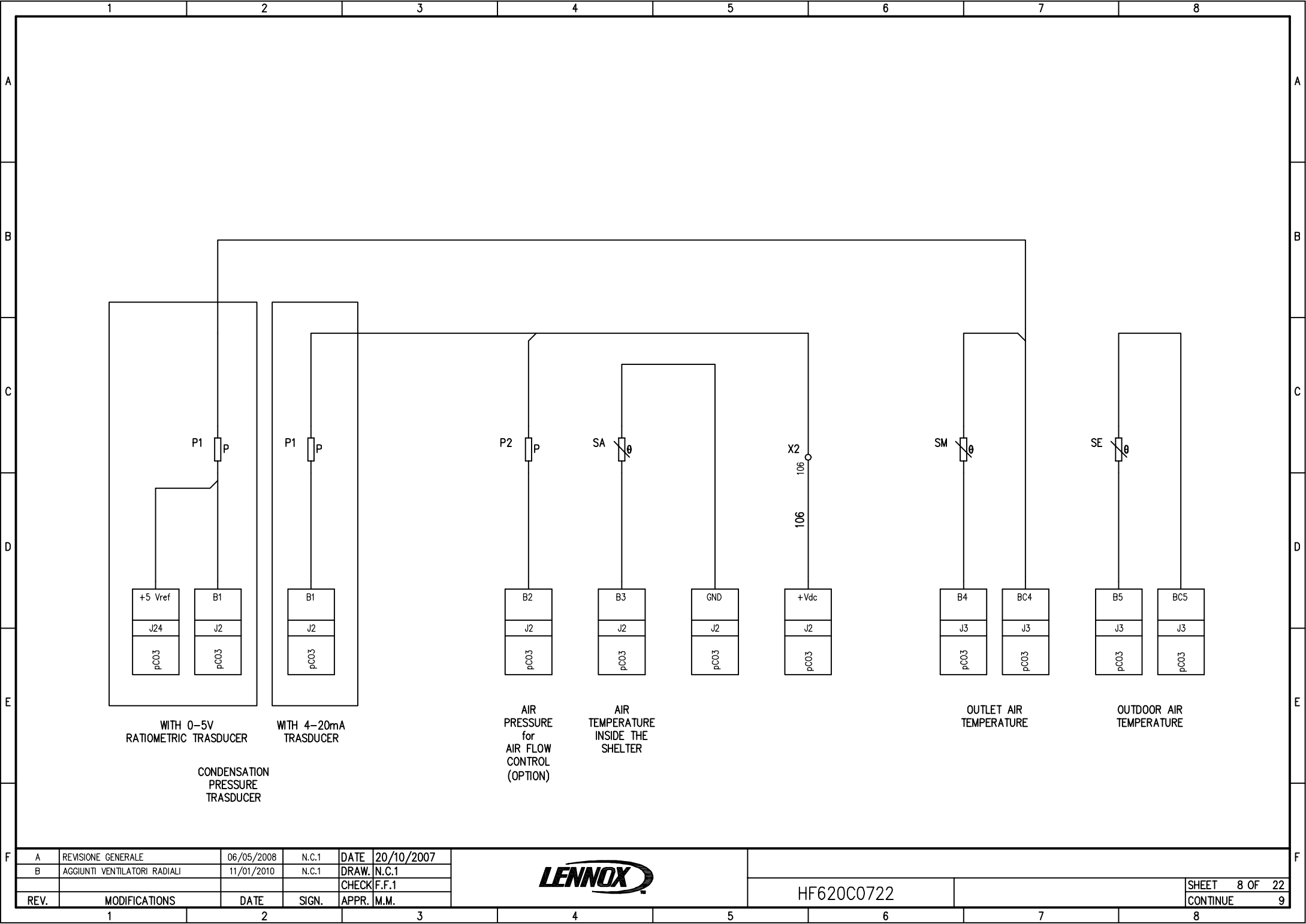
GENERAL ALARM

FUNCTIONAL ALARMS  
(SETTING BY PARAMETERS)

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WITH 0-5V  
RATIOMETRIC TRASDUCER

WITH 4-20mA  
TRASDUCER

CONDENSATION  
PRESSURE  
TRASDUCER

AIR  
PRESSURE  
for  
AIR FLOW  
CONTROL  
(OPTION)

AIR  
TEMPERATURE  
INSIDE THE  
SHELTER

OUTLET AIR  
TEMPERATURE

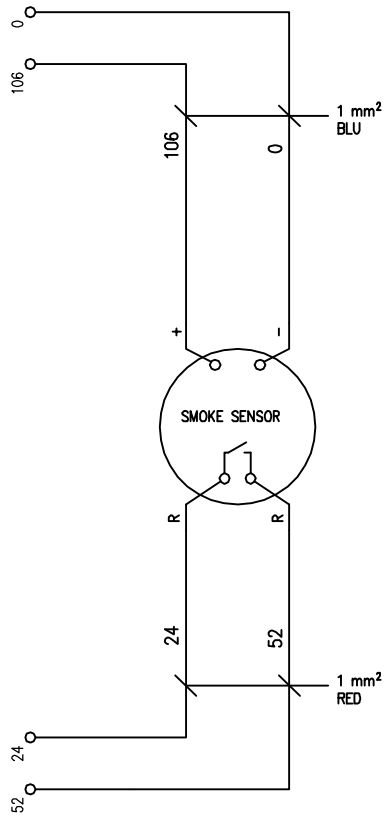
OUTDOOR AIR  
TEMPERATURE

A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
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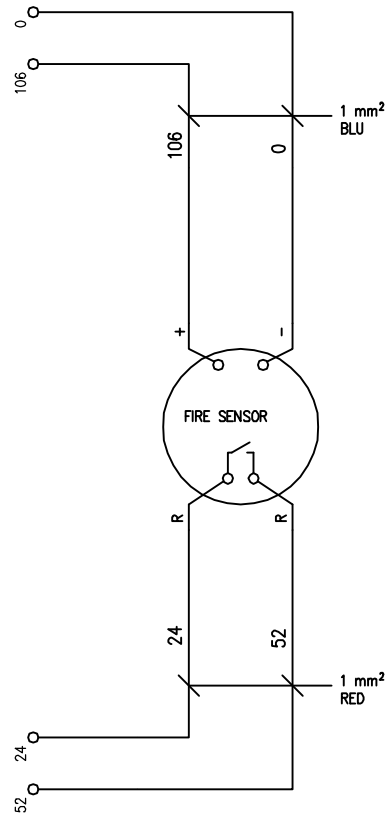


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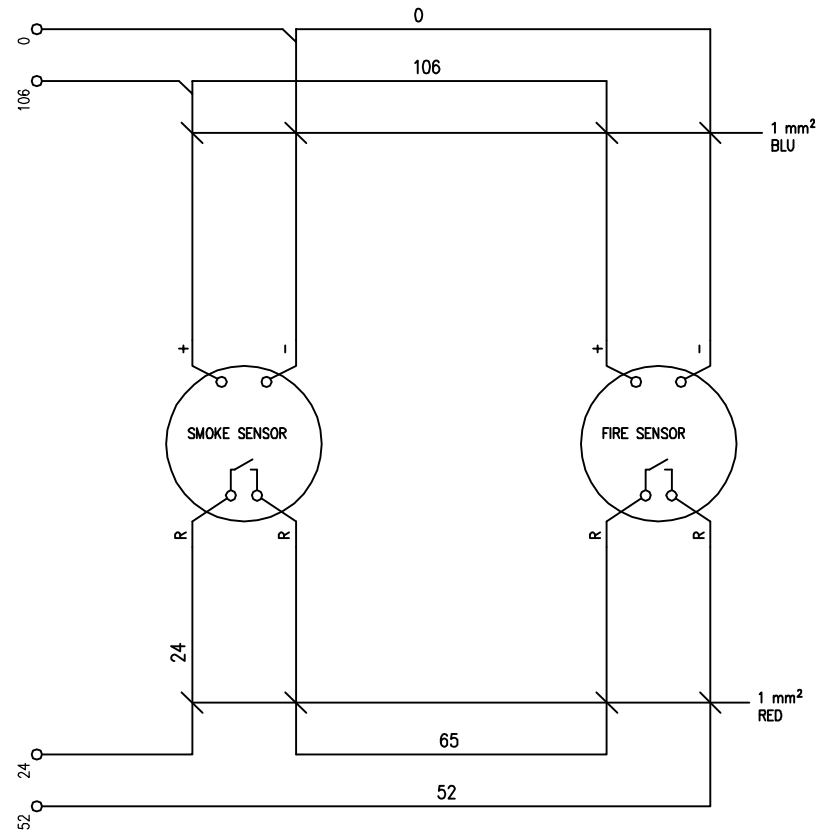




SMOKE ALARM  
OPTION



FIRE ALARM  
OPTION

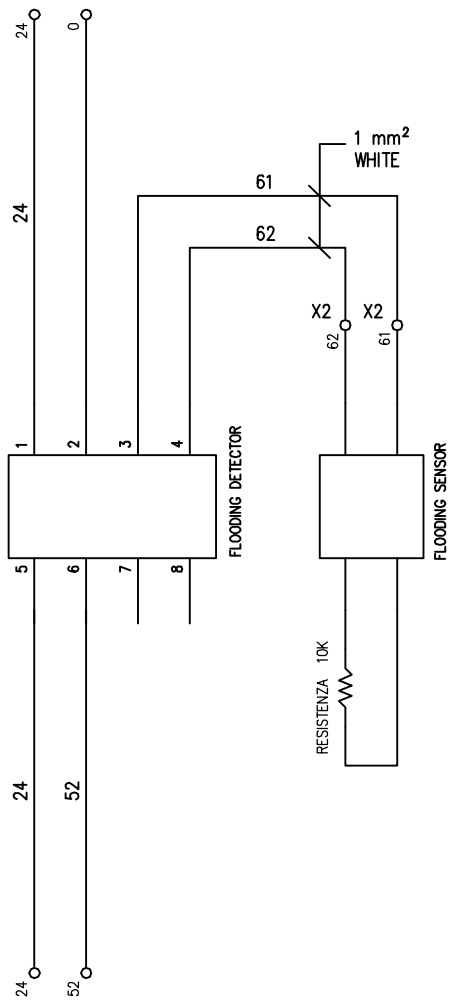


SMOKE AND FIRE ALARM  
OPTION

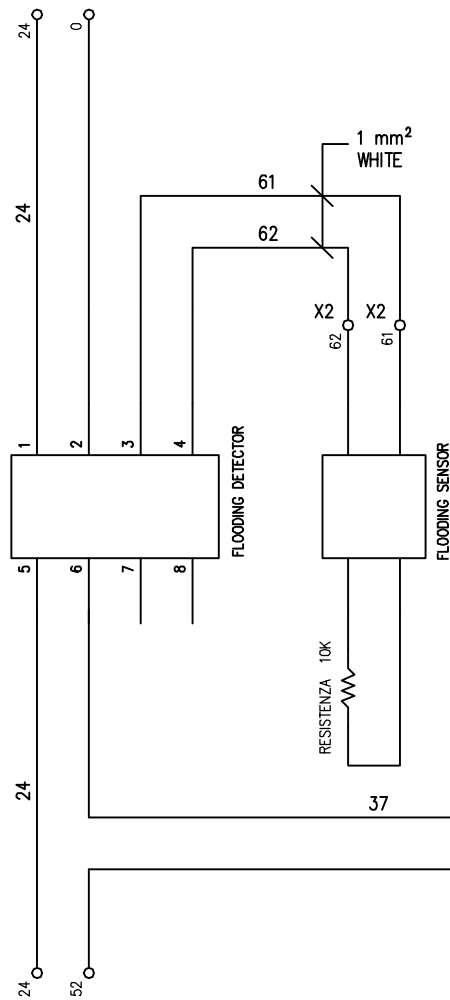
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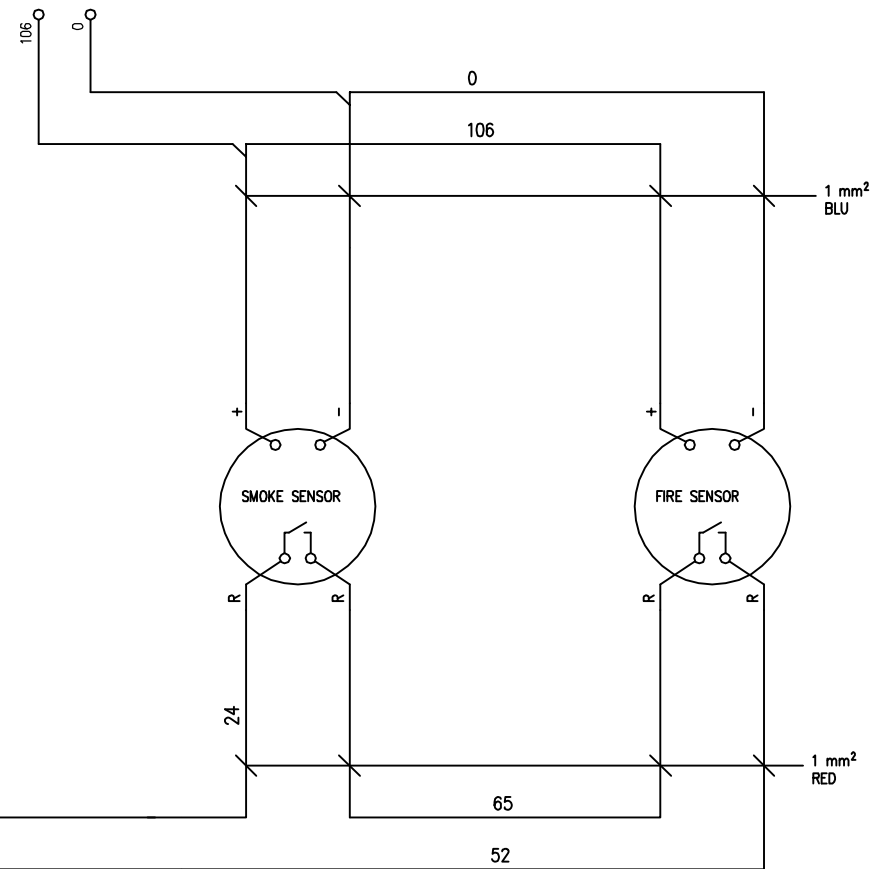
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FLOODING ALARM  
OPTION



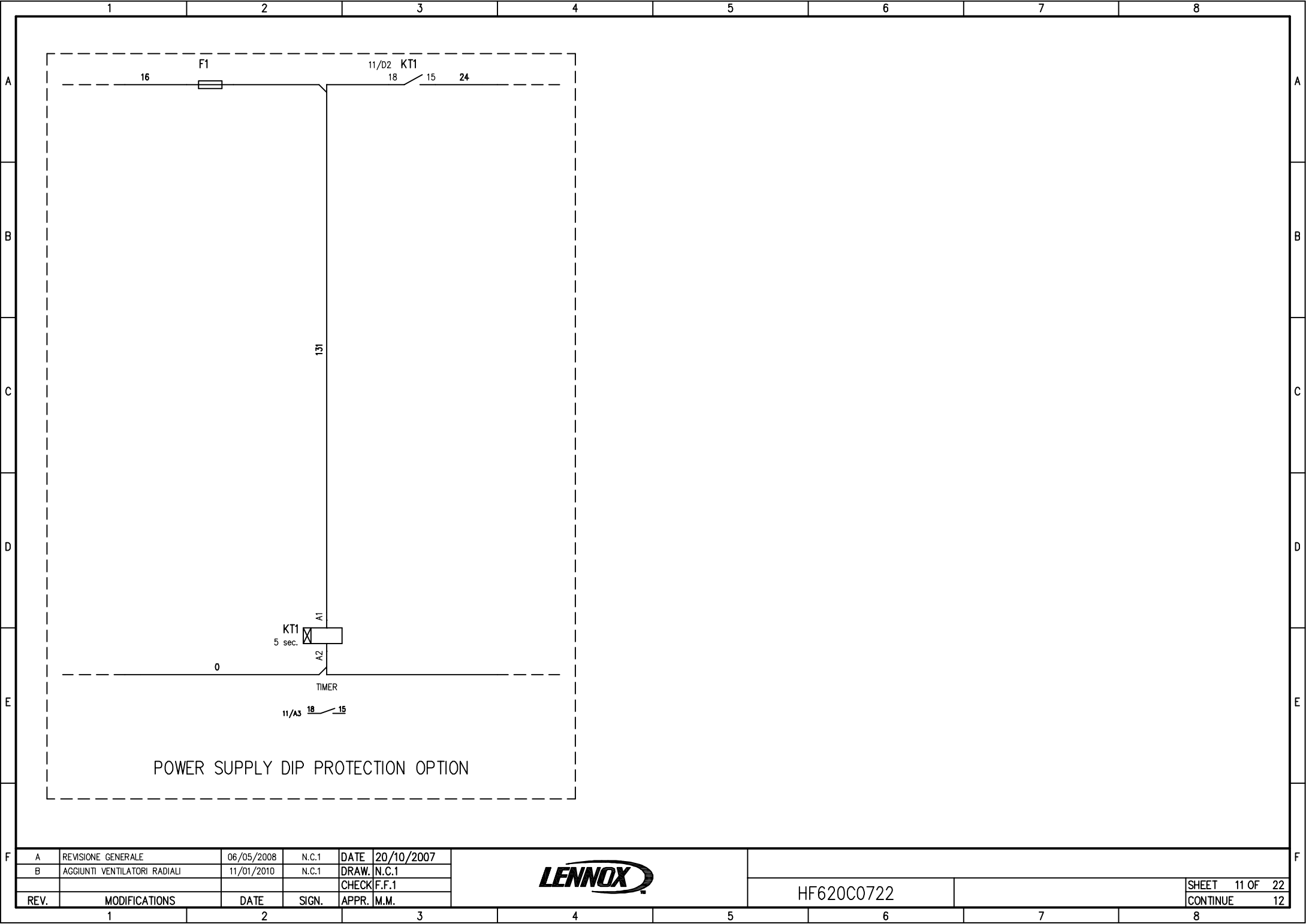
FLOODING, SMOKE AND FIRE ALARM  
OPTION



A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
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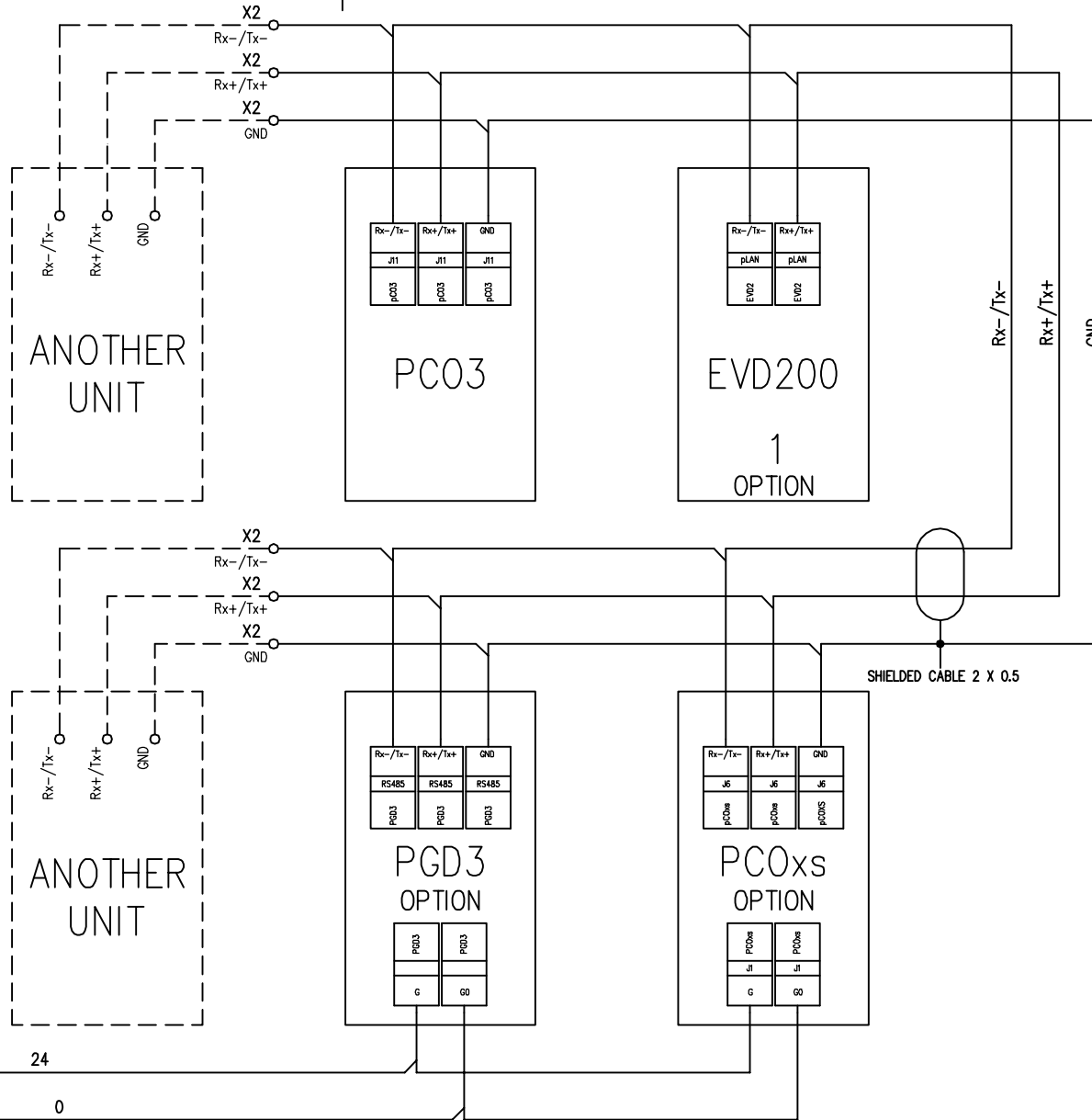
POWER SUPPLY DIP PROTECTION OPTION

A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
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# pLAN CONNECTION



6/A8 → 24

24

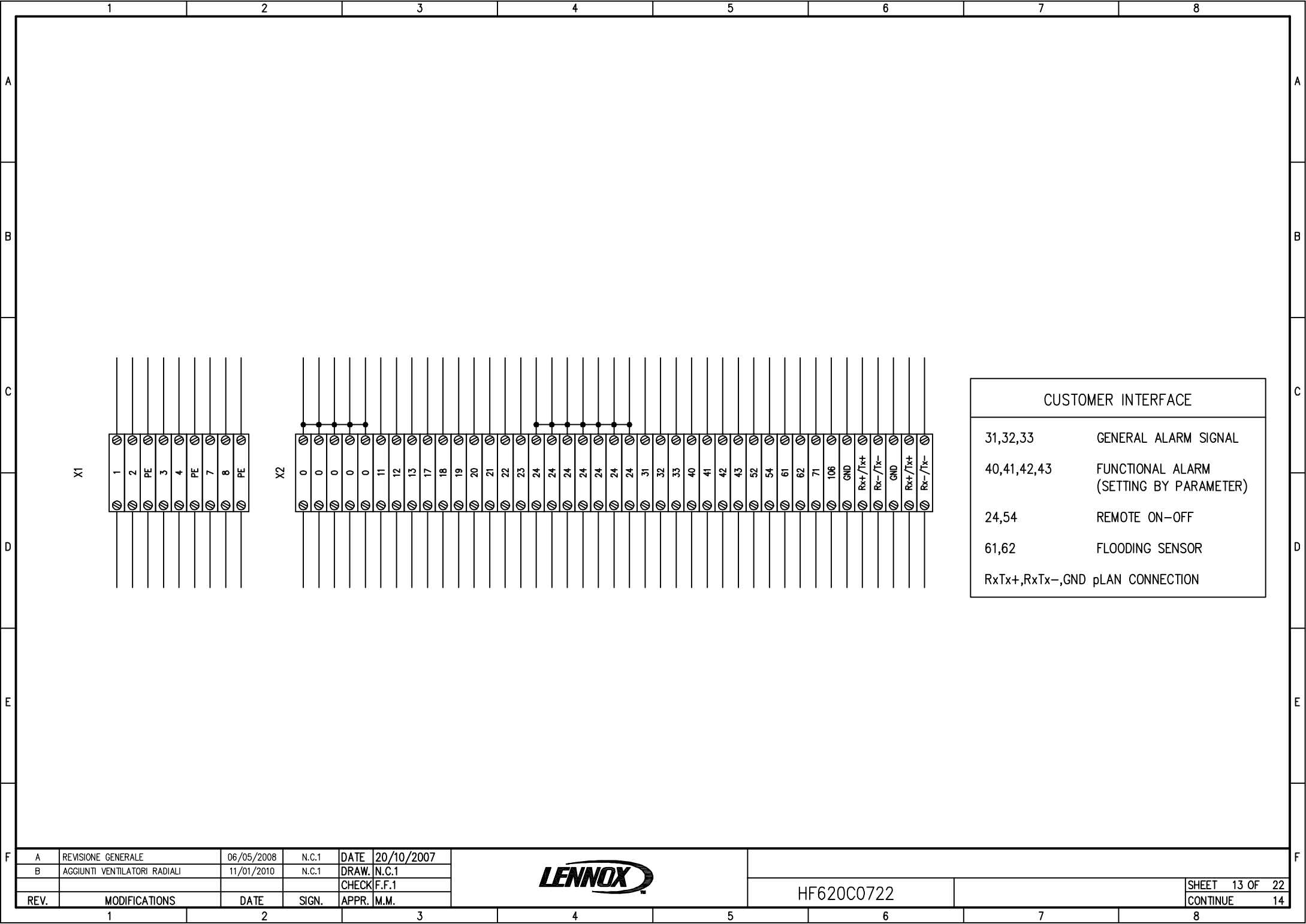
6/EB → 0

0

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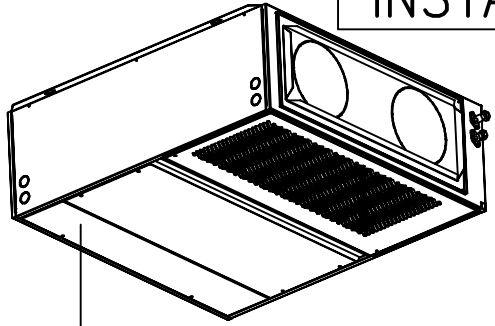
CUSTOMER INTERFACE	
31,32,33	GENERAL ALARM SIGNAL
40,41,42,43	FUNCTIONAL ALARM (SETTING BY PARAMETER)
24,54	REMOTE ON-OFF
61,62	FLOODING SENSOR
RxTx+,RxTx-,GND	pLAN CONNECTION

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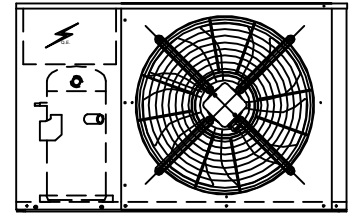


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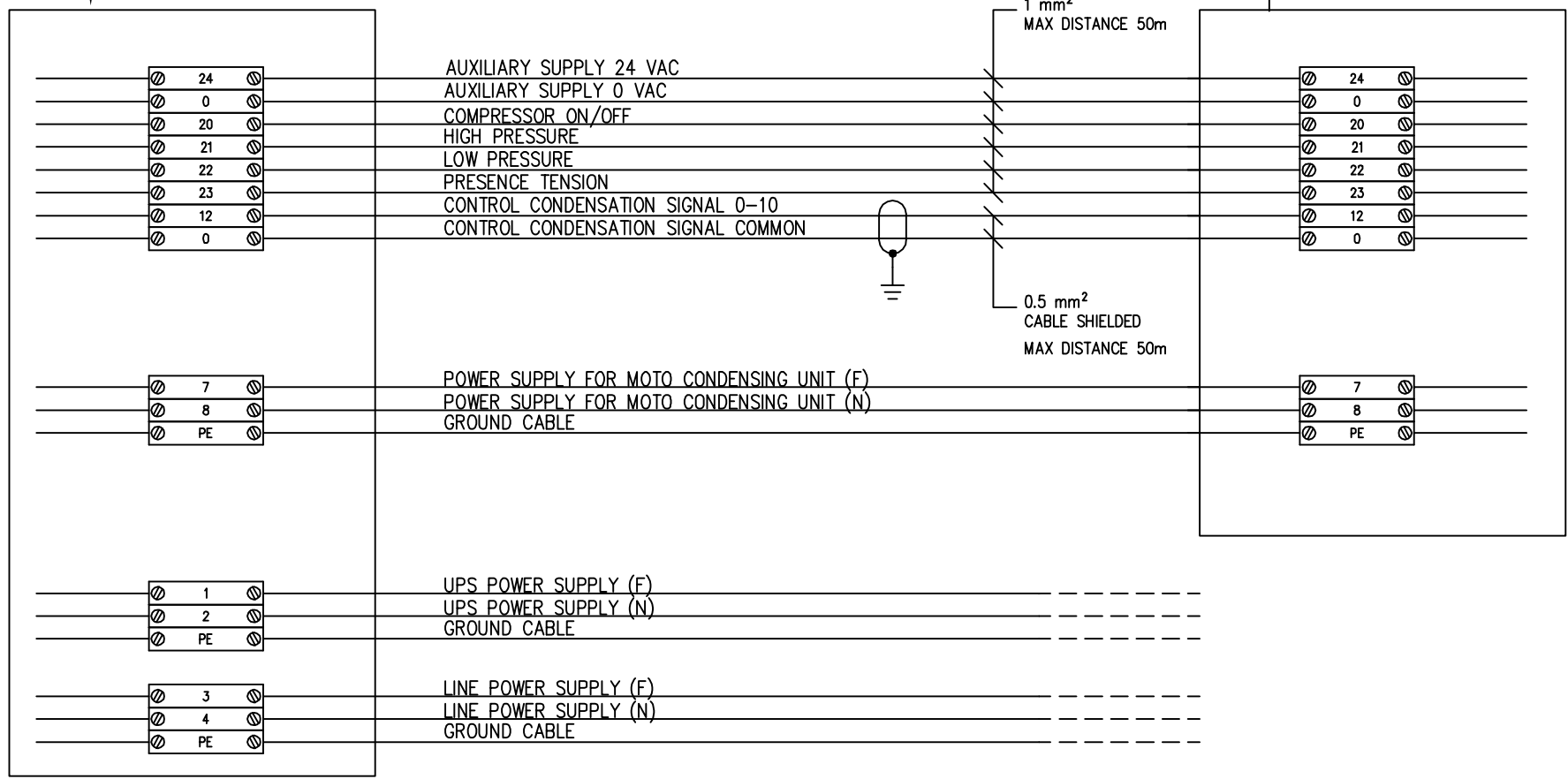
# INSTALLATION SHEET FOR MOD. 045/073



INTERNAL EVAPORATOR UNIT



EXTERNAL CONDENSING UNIT

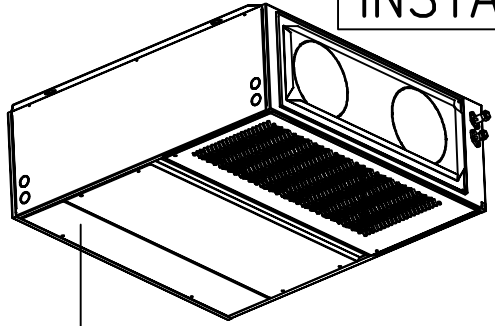


A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
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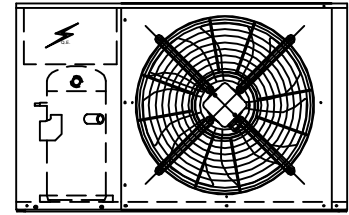


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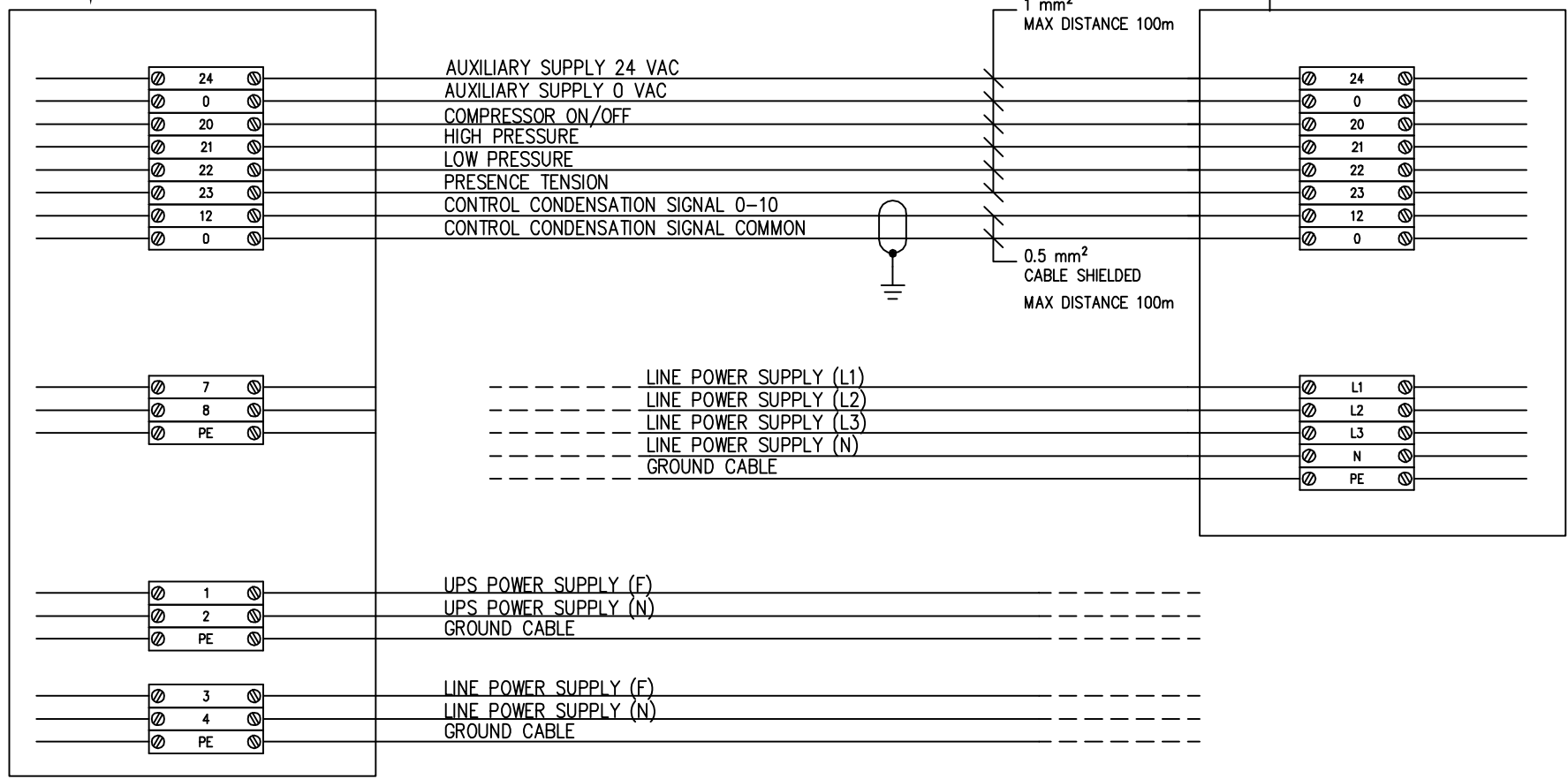
# INSTALLATION SHEET FOR MOD. 090/105



INTERNAL EVAPORATOR UNIT



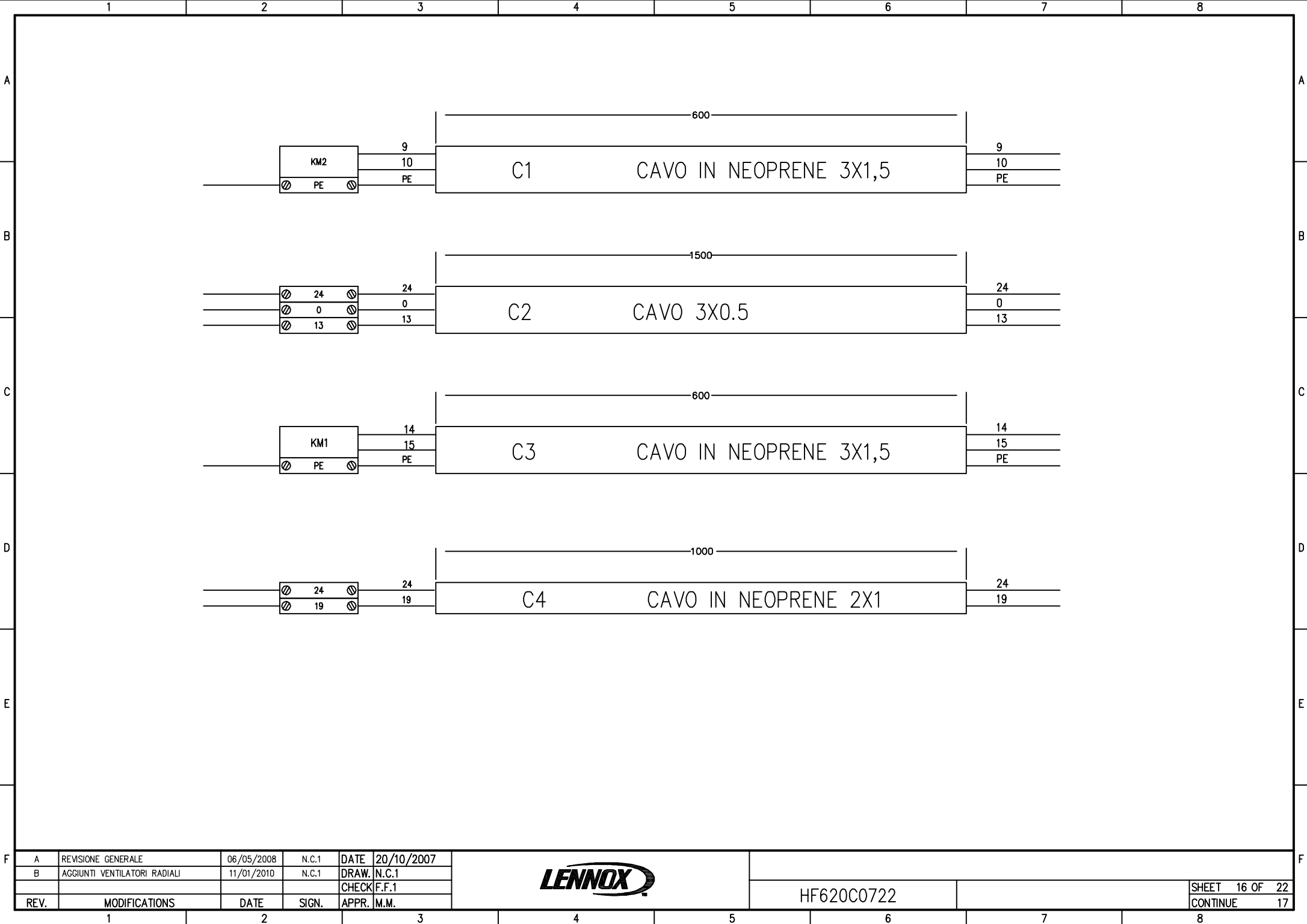
EXTERNAL CONDENSING UNIT



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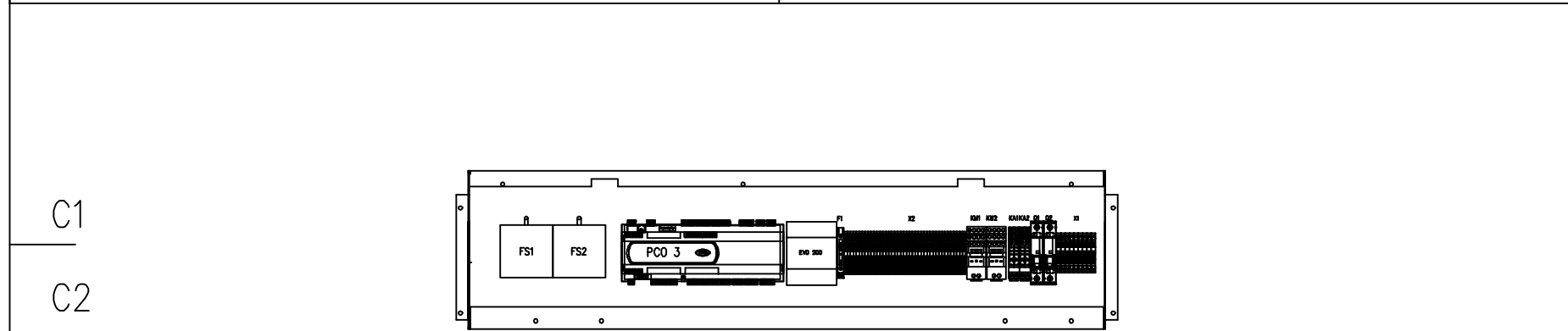
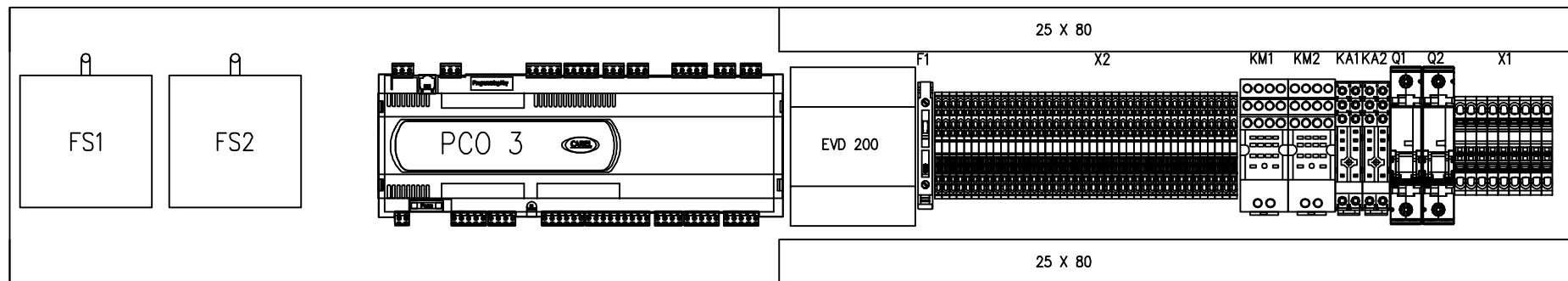


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LAYOUT COMPONENTI E USCITE CAVI (LA LUNGHEZZA DEI CAVI E' RIFERITA ALL'ESTERNO DEL QUADRO)

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

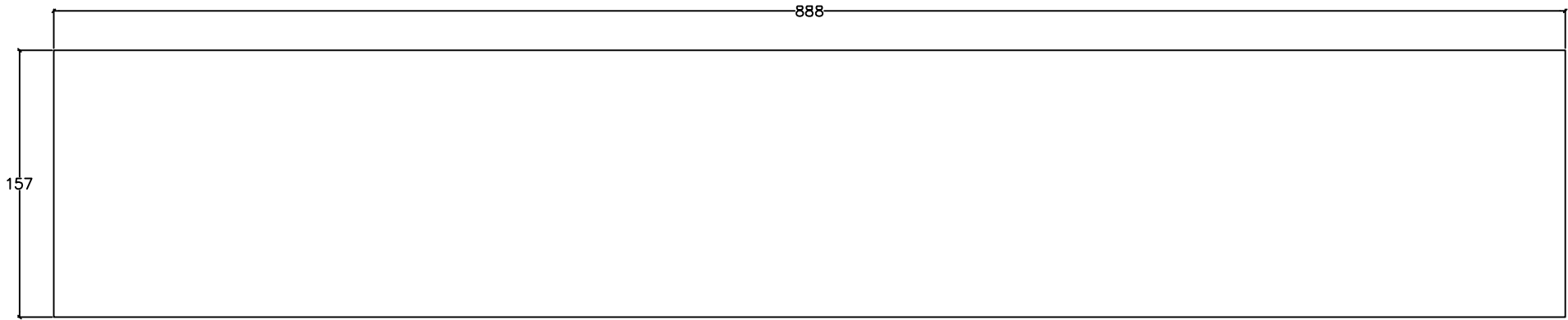


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LAYOUT PIASTRA DI FONDO

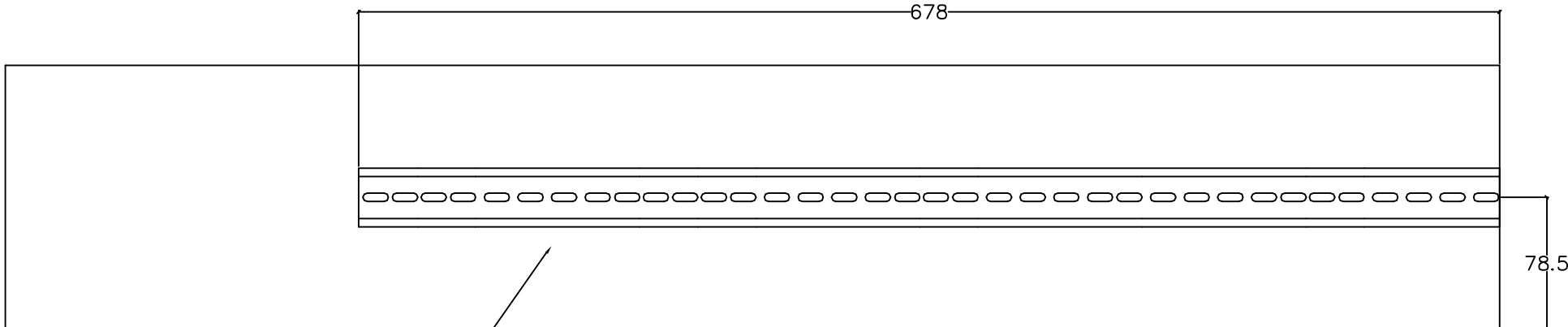


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LAYOUT GUIDE DIN



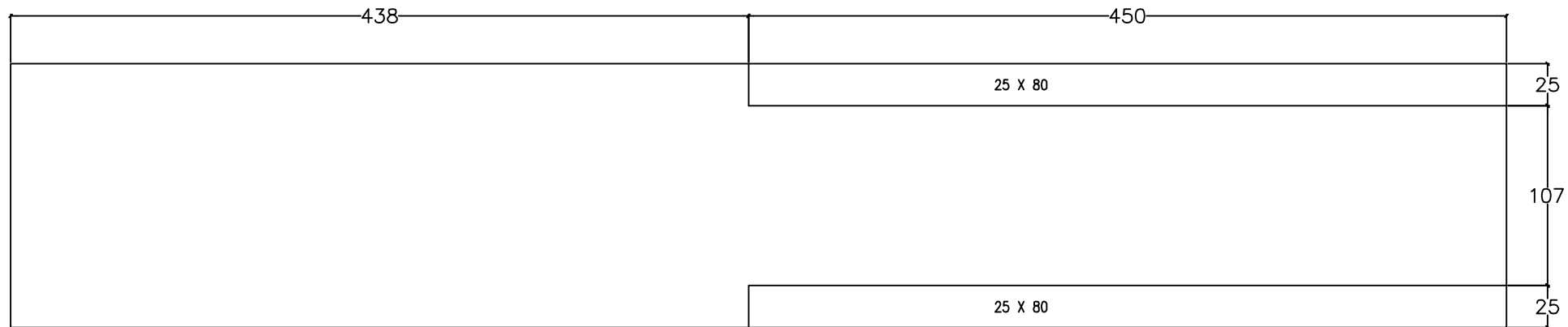
QUESTA GUIDA DIN DEVE  
ESSERE RIALZATA DI 10mm

A	REVISIONE GENERALE	06/05/2008	N.C.1	DATE	20/10/2007
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LAYOUT CANALINE




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1	2	3	4	5	6	7	8	
UBICAZIONE	SIGLA	FUNZIONE	MARCA	CODICE	DESCRIZIONE	QUANTITA'	M.U.	POSIZIONE
	Q1	PROTEZIONE LINEA UPS	SIEMENS	5SY6 010-7	INT. AUT. 1P+N C10 6KA	1	PCE	
	Q2	PROTEZIONE LINEA 230 V	SIEMENS	5SY6 020-7	INT. AUT. 1P+N C20 6KA	1	PCE	
	F1	PROTEZIONE CIRCUITO DI COMANDO	ITALWEBER	0104004	FUSIBILE IN VETRO 5 X 20 In= 4A	1	PCE	
	F2	PROTEZIONE POMPA SCARICO CONDENSA	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	
	X1	MORSETTIERA	PHOENIX	3031416	MORSETTO A MOLLA GIALLO VERDE ST 4-TWIN-PE	3	PCE	
	X2	MORSETTIERA	PHOENIX	3031128	MORSETTO A ST 1.5-TWIN	41	PCE	
	TR	TRASFORMATORE TOROIDALE	MARINI	54TD3XL	TRASFORMATORE V1=230V / V2=24V S=100VA	1	PCE	
	KM1	ON/OFF RESISTENZA	FINDER	55328024 + 9472 + 09471	RELE' 2 CONTATTI 10A BOB. 24VAC IL QUADRISTA DEVE PREDISPORRE SOLO LO ZOCCOLO	1	PCE	
	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	
		PIASTRA DI FONDO	HIREF	HF17000823	PIASTRA DI FONDO	1	PCE	
		VANO Q.E.	HIREF	HF17000459	VANO Q.E.	1	PCE	

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1	2	3	4	5	6	7	8			

POWER DIP PROTECTION OPTION

UBICAZIONE	SIGLA	FUNZIONE	MARCA	CODICE	DESCRIZIONE	QUANTITA'	M.U.	POSIZIONE
	KT1	TEMPORIZZATORE	FINDER	HF40000876 801102400000	TEMPORIZZATORE	1	PCE	



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								CONTINUE	