

Document list

	Document type	Sheet	Description	Rev.
A	0 COVER	1	Document list	
	1 Electrical specification	1	Electrical specification	
	2 WIRING DIAGRAM	1	Power	
	2 WIRING DIAGRAM	2	Power	
	2 WIRING DIAGRAM	3	Power	
	2 WIRING DIAGRAM	4	Auxiliaries 24V	
	2 WIRING DIAGRAM	5	Auxiliaries 24V	
	2 WIRING DIAGRAM	6	Auxiliaries 24V	
	2 WIRING DIAGRAM	7	Auxiliaries 24V	
B	2 WIRING DIAGRAM	8	Auxiliaries 24V	
	2 WIRING DIAGRAM	9	Auxiliaries 24V	
	2 WIRING DIAGRAM	10	Auxiliaries 24V	
	2 WIRING DIAGRAM	11	Auxiliaries 24V	
	2 WIRING DIAGRAM	12	Auxiliaries 24V	
	2 WIRING DIAGRAM	13	Auxiliaries 24V	
	2 WIRING DIAGRAM	14	Auxiliaries 24V	
	3 Layout	1	Layout	
	3 Layout	2	Layout	
C	4 Component list	1	Component list	
	4 Component list	2	Component list	
	4 Component list	3	Component list	
	4 Component list	4	Component list	
	4 Component list	5	Component list	
	4 Component list	6	Component list	
D				
E				
F				

Wire Colour Code	
BLACK	Power
RED	AUXILIARY 24V ac
BLUE	AUXILIARY 48V dc
YELLOW/GREEN	Earth

Reference code: /3 .6
 Sheet ← → Column

Customer:
Order:
Supply:
Auxiliary circuits:
NOTE 1
NOTE 2
NOTE 3

1

2

3

4

5

6

7

8

Electrical specification-Specifiche elettriche-Elektrische Angaben-SPECIFICATIONS ELECTRIQUES-ESPECIFICACIONES ELECTRICAS

A

A) FAN 1
VENTILATORE 1
VENTILATOR 1
VENTILATEUR 1
VENTILADOR 1

Un 400 3-50Hz
No.1 Pa 2,3kW
Ia 4,3A 1260rpm cosf=0,85



Un 400 3-60Hz
No.1 Pa 1,6kW
Ia 3,5A 1260rpm cosf=0,64



B

C) COMPRESSOR
COMPRESSORE
VERDICHTER
COMPRESSEUR
COMPRESOR

Un 400V 3-50Hz
20(U/O) Pa 4,3kW Ia 10,8A cosf=0,79
24(U/O) Pa 5,3kW Ia 15A cosf=0,75



Un 380V 3-60Hz
20(U/O) Pa 4kW Ia 10,7A cosf=0,54
24(U/O) Pa 4,7kW Ia 10,7A cosf=0,63



C

C) ELECTRIC HEATING
RISCALDAMENTO ELETTRICO
ELEKTROHEIZUNG
CHAUFFAGE ELECTRIQUE
CALEFACCION ELECTRICA

Un 400V 3-
Pn 5,85kW

D

D) HUMIDIFIER
UMIDIFICATORE
BEFEUCHTER
HUMIDIFICATEUR
HUMIDIFICADOR

Un 400V 3-
Pn 6,8kW 9kg/h

E

SUPPLY LINE-LINEA ALIMENTAZIONE-SPANNUNGSVERSORGING-LIGNE D'ALIMENTATION-LINEA DE ALIMENTACION

SUPPLY LINE LINEA ALIMENTAZIONE SPANNUNGSVERSORGING LIGNE D'ALIMENTATION LINEA DE ALIMENTACION
AC 400(380)V 3Ph+N+PE 50(60)Hz

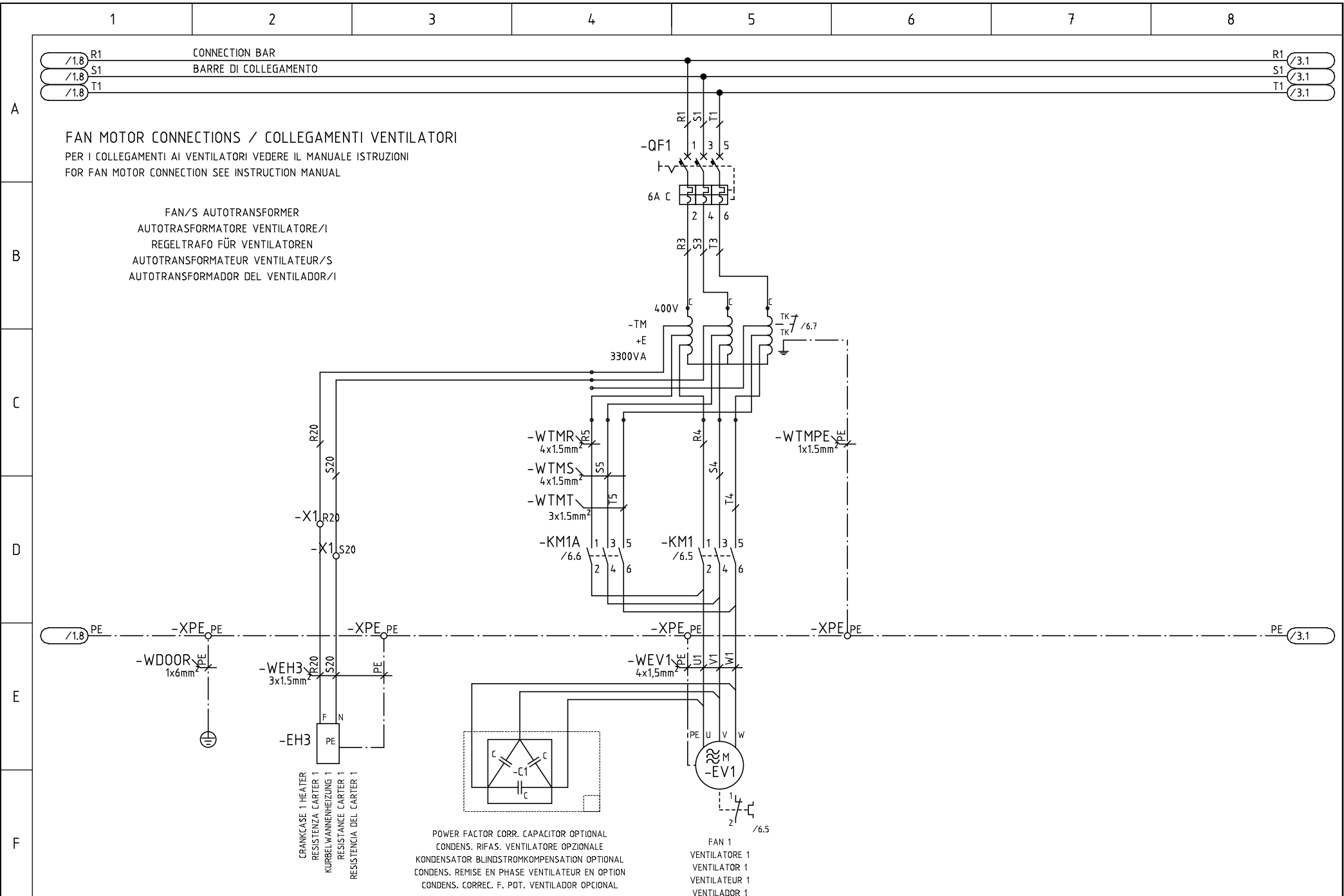
	20U/O		24U/O	
	FLA [A]	LRA [A]	FLA [A]	LRA [A]
A+B+C	24,1	83,8	28,3	107,3
A+B+D	24,6	84,3	28,8	107,8
A+B+C+D	31,1	90,8	35,3	114,3

F

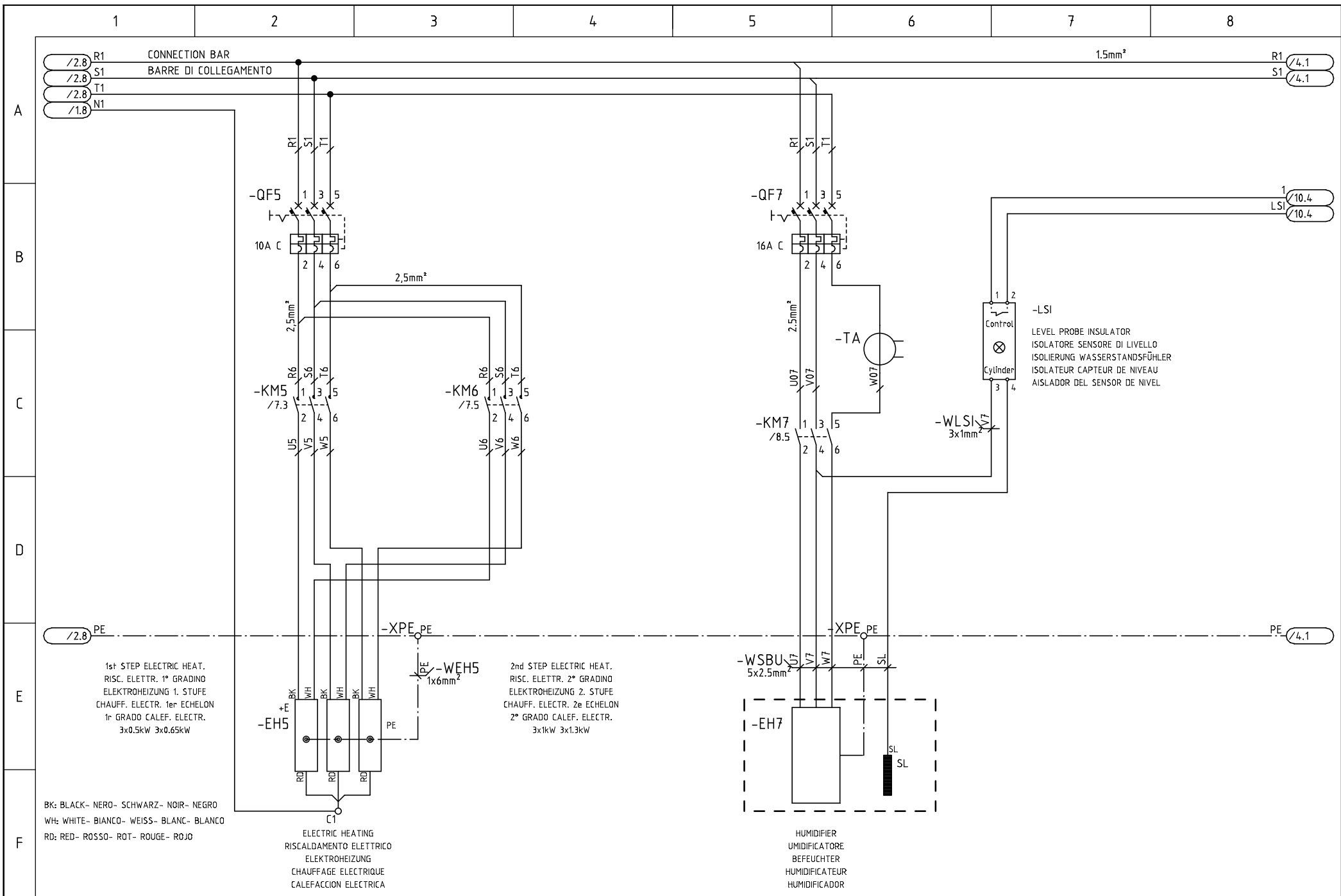
THIS DIAGRAM IS CARRIED OUT ACCORDING TO EUROPEAN STD EN60204-1-2

c		Date	07/06/2001	Wiring diagram name	Code	F+C+H	400(380)V AC 50(60)Hz	Electrical specification
b		Signature	E.A.	318816-C	318816			1 Electrical specification
a		Contr.	G.G.			TYPE:	HIMOD 20-24(U/O)(A/W)	File: 318816c
	Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:

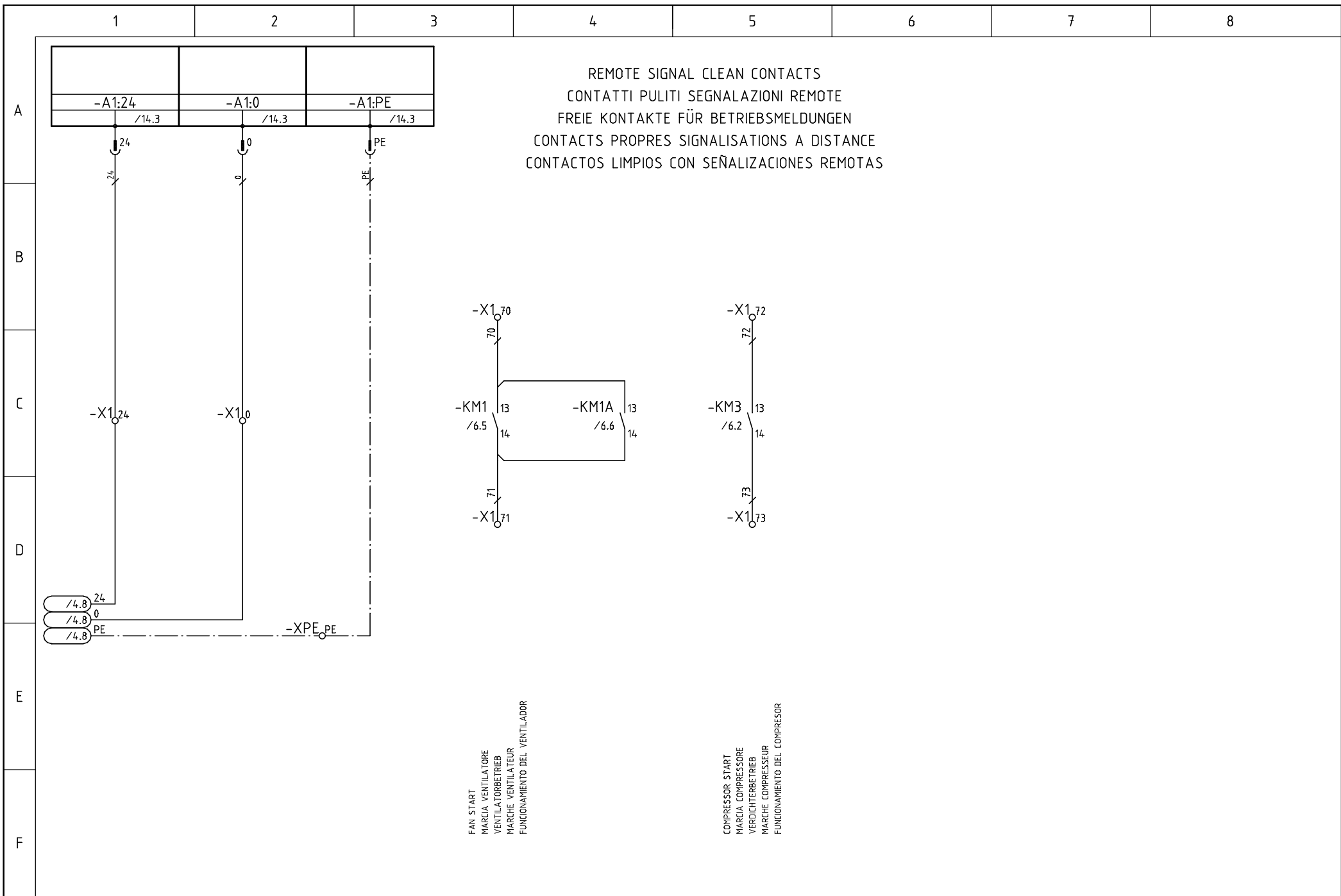
Sheet 1 of Continue



c		Date	07/06/2001	Wiring diagram name		Code	F+C+H	400(380)V AC 50(60)Hz	
b		Signature	F.A.	318816-C		318816			Power
a		Contr.	G.G.				TYPE:	HIMOD 20-24(U/O)(A/W)	2 WIRING DIAGRAM
Modification	Date	Date	Norm.	Replaced for:	Replaced by:	Origin:	File:	318816c	Sheet 2 of
			RN60204-1						Continue 3



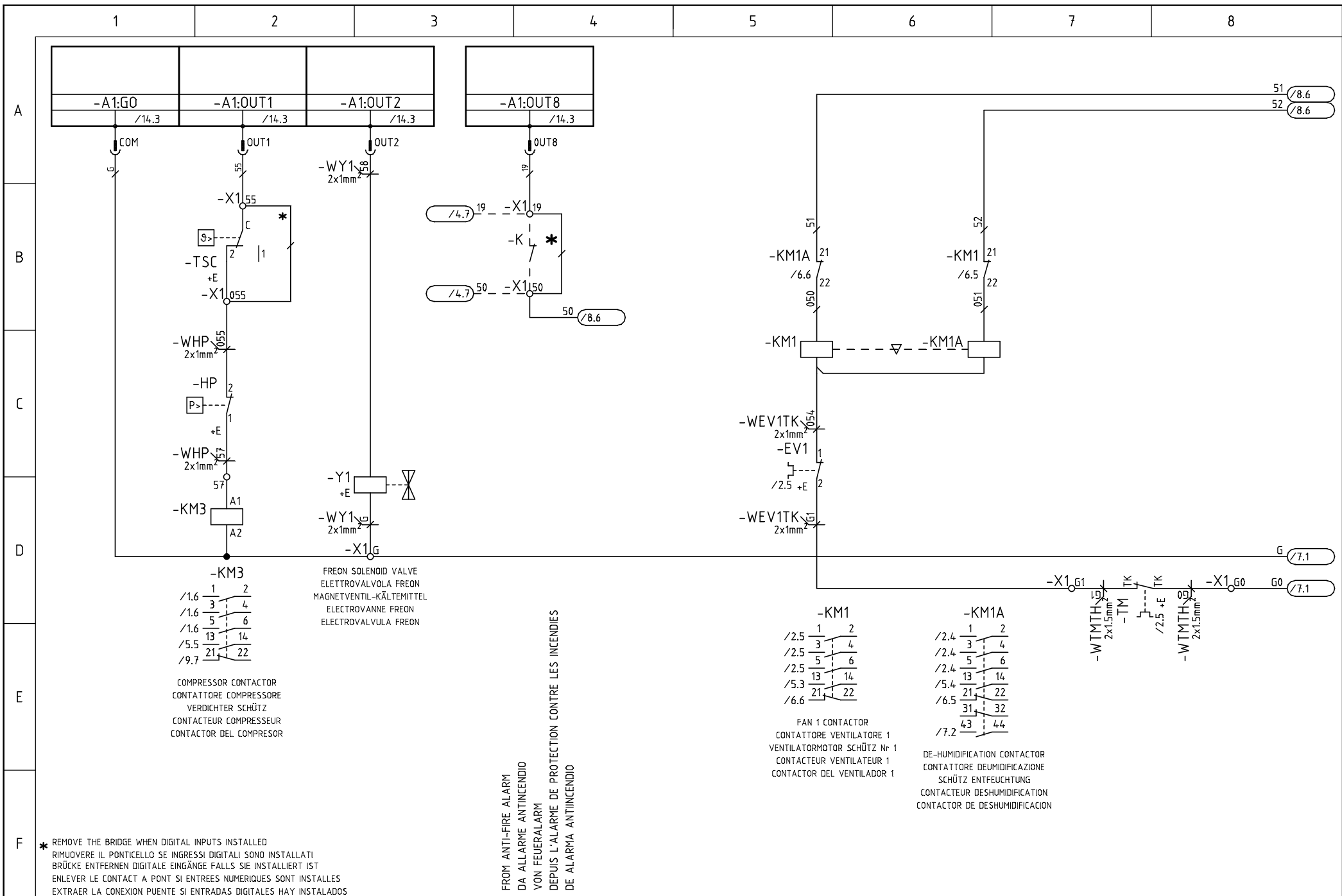
c		Date	07/06/2001	Wiring diagram name		Code	318816	F+C+H	400(380)V AC 50(60)Hz	
b		Signature	E.A.		318816-C					Power
a		Contr.	G.G.					TYPE:	HIMOD 20-24(U/O)(A/W)	2 WIRING DIAGRAM
Modification	Date	Date	Norm.	Replaced for:	Replaced by:	Origin:		File:	318816c	Sheet 3 of 4



FAN START
 MARCIA VENTILATORE
 VENTILATORBETRIEB
 MARCHE VENTILATEUR
 FUNCIONAMIENTO DEL VENTILADOR

COMPRESSOR START
 MARCIA COMPRESSORE
 VERDICHTERBETRIEB
 MARCHE COMPRESSEUR
 FUNCIONAMIENTO DEL COMPRESOR

c			Date	07/06/2001	Wiring diagram name	Code	F+C+H	400(380)V AC 50(60)Hz	
b			Signature	E.A.	318816-C	318816			Auxiliaries 24V
a			Contr.	G.G.			TYPE:	HIMOD 20-24(U/O)(A/W)	File: 318816c
	Modification	Date	Date	Norm.	Replaced for:	Replaced by:	Origin:		



c		Date	07/06/2001	Wiring diagram name	318816-C	Code	318816	F+C+H	400(380)V AC 50(60)Hz	Auxiliaries 24V
b		Signature	E.A.							
a		Contr.	E.G.							
	Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:		

A

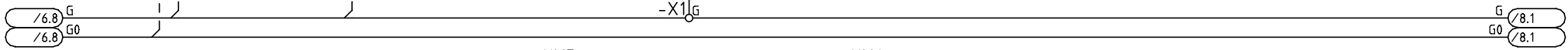
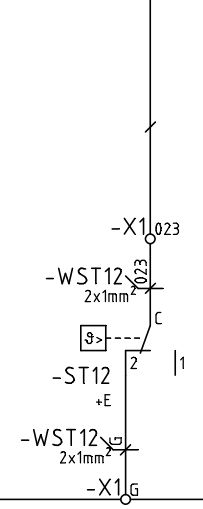
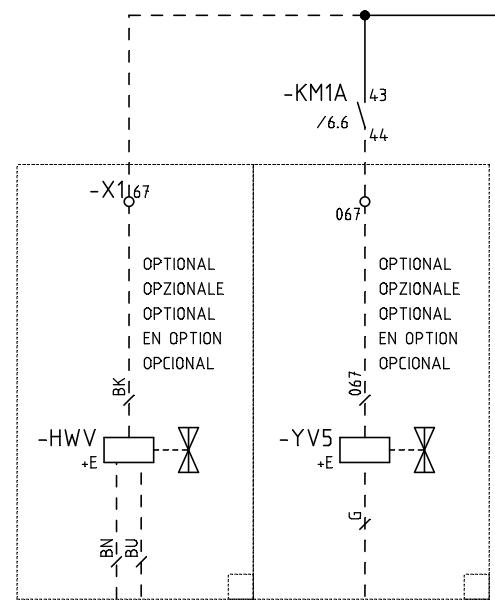
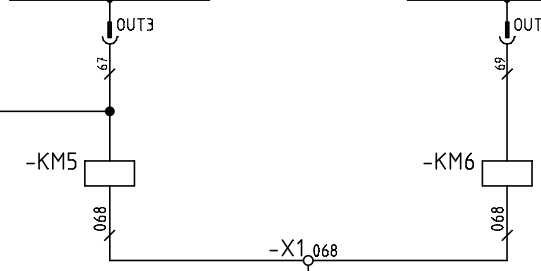
B

C

D

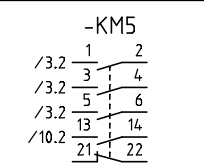
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F

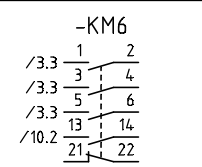


HOT WATER VALVE OPTIONAL
 VALVOLA ACQUA CALDA OPZIONALE
 HEISSWASSERVENTIL OPTIONAL
 SOUPAPE EAU CHAUDE EN OPTION
 VALVULA DE AGUA CALIENTE

HOT GAS SOLENOID VALVE OPTIONAL
 ELETTROVALVOLA GAS CALDO OPZIONALE
 HEISSGASMAGNETVENTIL OPTIONAL
 ELECTROVANNE GAZ CHAUD EN OPTION
 ELECTROVALVULA DE GAS CALIENTE OPCIONAL



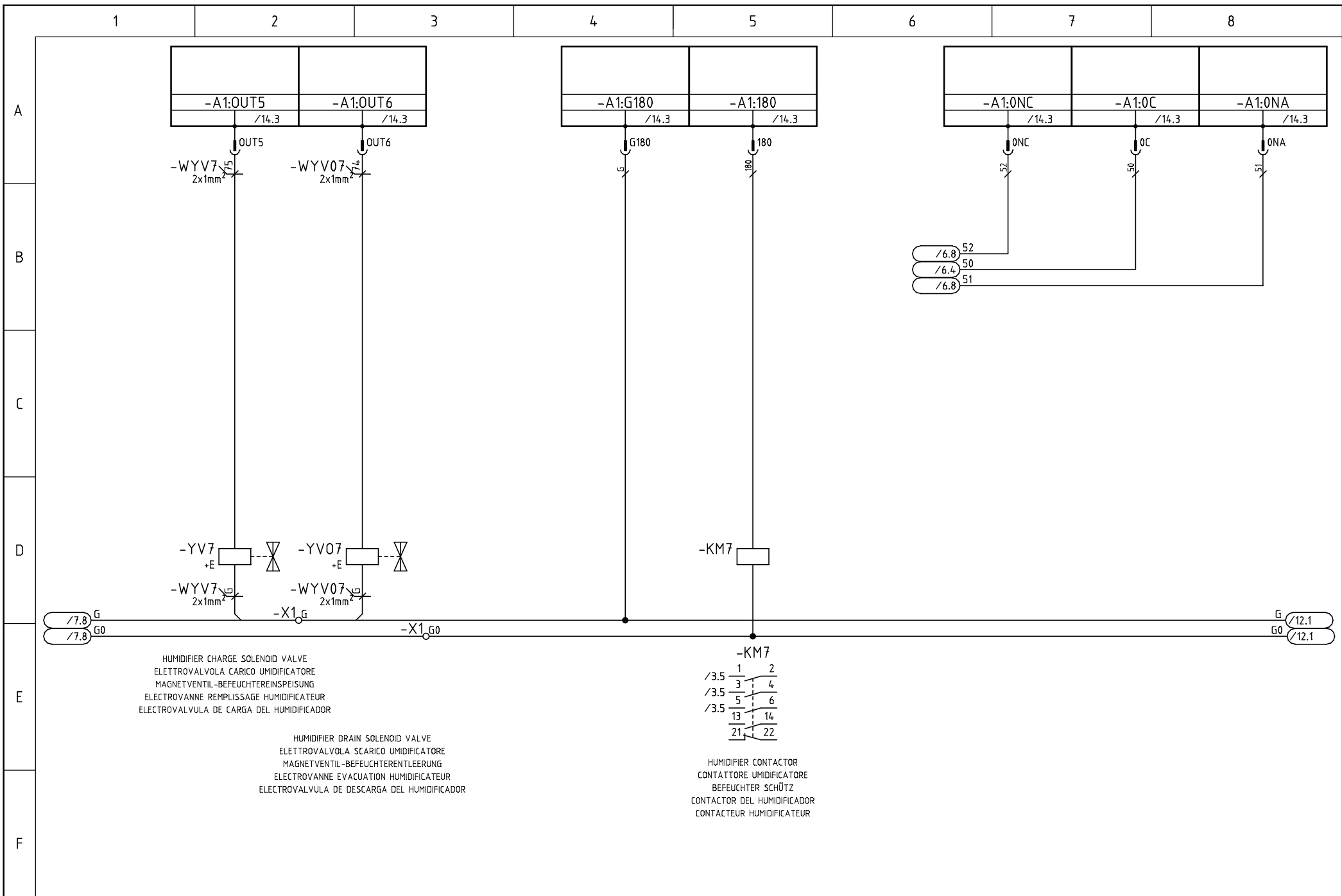
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 CONTATTORE RISC. ELETTR. 1
 ELEKTROHEIZUNG SCHÜTZ 1
 CONTACTEUR CHAUFF. ELECTR. 1
 CONTACTOR CALEF. ELECTR. 1



ELECTR. HEAT. CONTACTOR 2
 CONTATTORE RISC. ELETTR. 2
 ELEKTROHEIZUNG SCHÜTZ 2
 CONTACTEUR CHAUFF. ELECTR. 2
 CONTACTOR CALEF. ELECTR. 2

BK: BLACK- NERO- SCHWARZ- NOIR- NEGRO
 BU: BLUE- BLU- BLAU- BLEU- AZUL
 BN: BROWN- MARRONE- BRAUN- MARRON- MARRON

c	Date	07/06/2001	Wiring diagram name			Code	F+C+H	400(380)V AC 50(60)Hz	Auxiliaries 24V
b	Signature	F.A.	318816-C			318816			
a	Contr.	G.G.					TYPE:	HIMOD 20-24(U/O)(A/W)	2 WIRING DIAGRAM
Modification	Date	Date	Norm.	Replaced for:	Replaced by:	Origin:	File:	318816c	Sheet 7 of 8

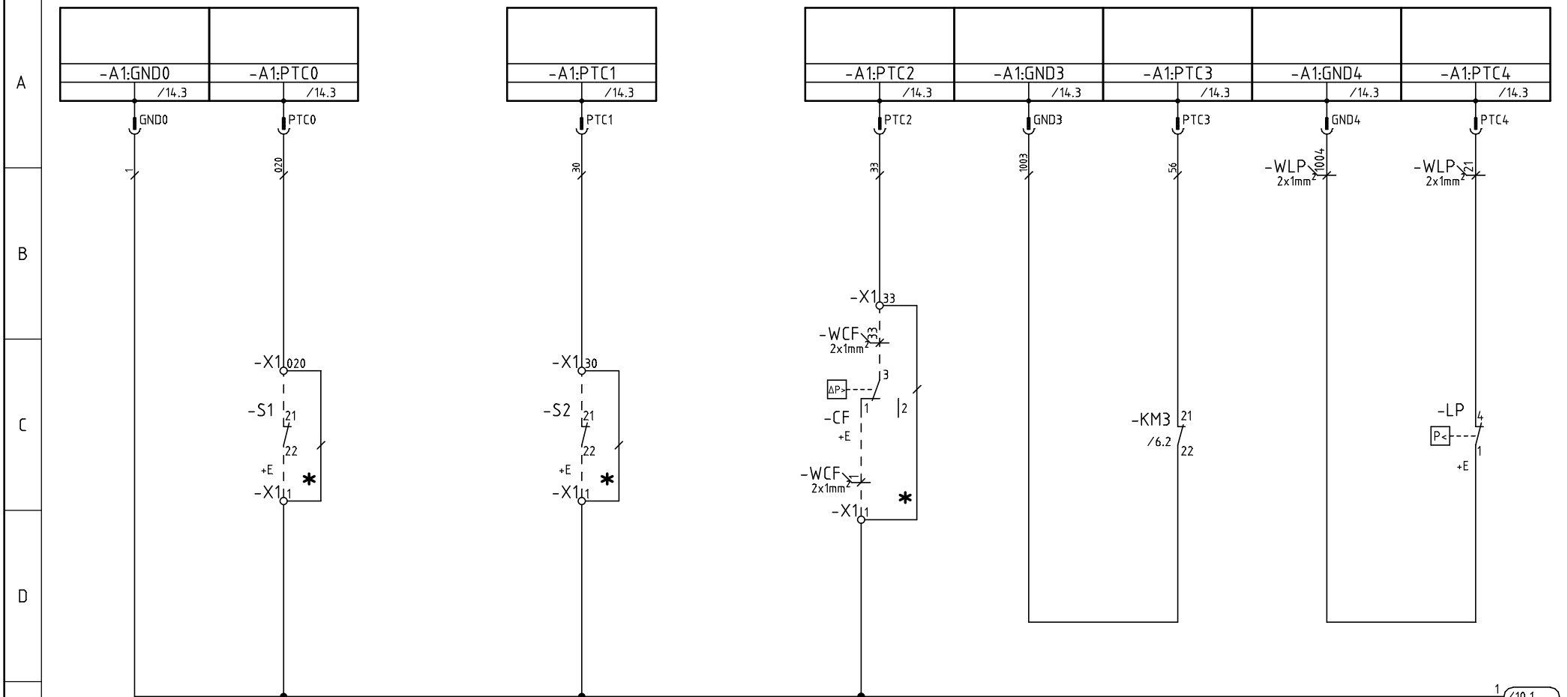


HUMIDIFIER CHARGE SOLENOID VALVE
 ELETTROVALVOLA CARICO UMIDIFICATORE
 MAGNETVENTIL-BEFEUCHTEREINSPEISUNG
 ELECTROVANNE REMPLISSAGE HUMIDIFICATEUR
 ELECTROVALVULA DE CARGA DEL HUMIDIFICADOR

HUMIDIFIER DRAIN SOLENOID VALVE
 ELETTROVALVOLA SCARICO UMIDIFICATORE
 MAGNETVENTIL-BEFEUCHTERENTLEERUNG
 ELECTROVANNE EVACUATION HUMIDIFICATEUR
 ELECTROVALVULA DE DESCARGA DEL HUMIDIFICADOR

-KM7
 /3.5 1 2
 3 4
 /3.5 5 6
 13 14
 21 22
 HUMIDIFIER CONTACTOR
 CONTATTORE UMIDIFICATORE
 BEFEUCHTER SCHÜTZ
 CONTACTOR DEL HUMIDIFICADOR
 CONTACTEUR HUMIDIFICATEUR

c		Date	07/06/2001	Wiring diagram name	318816-C	Code	318816	F+C+H	400(380)V AC 50(60)Hz	Auxiliaries 24V
b		Signature	F.A.							
a		Contr.	G.G.							
Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:	HIMOD 20-24(U/O)(A/W)	File: 318816c	2 WIRING DIAGRAM Sheet 8 of 9



1 /10.1

REMOTE ON/OFF
ON/OFF REMOTO
EXTERN EIN-AUS
ON/OFF A DISTANCE
ON/OFF REMOTO

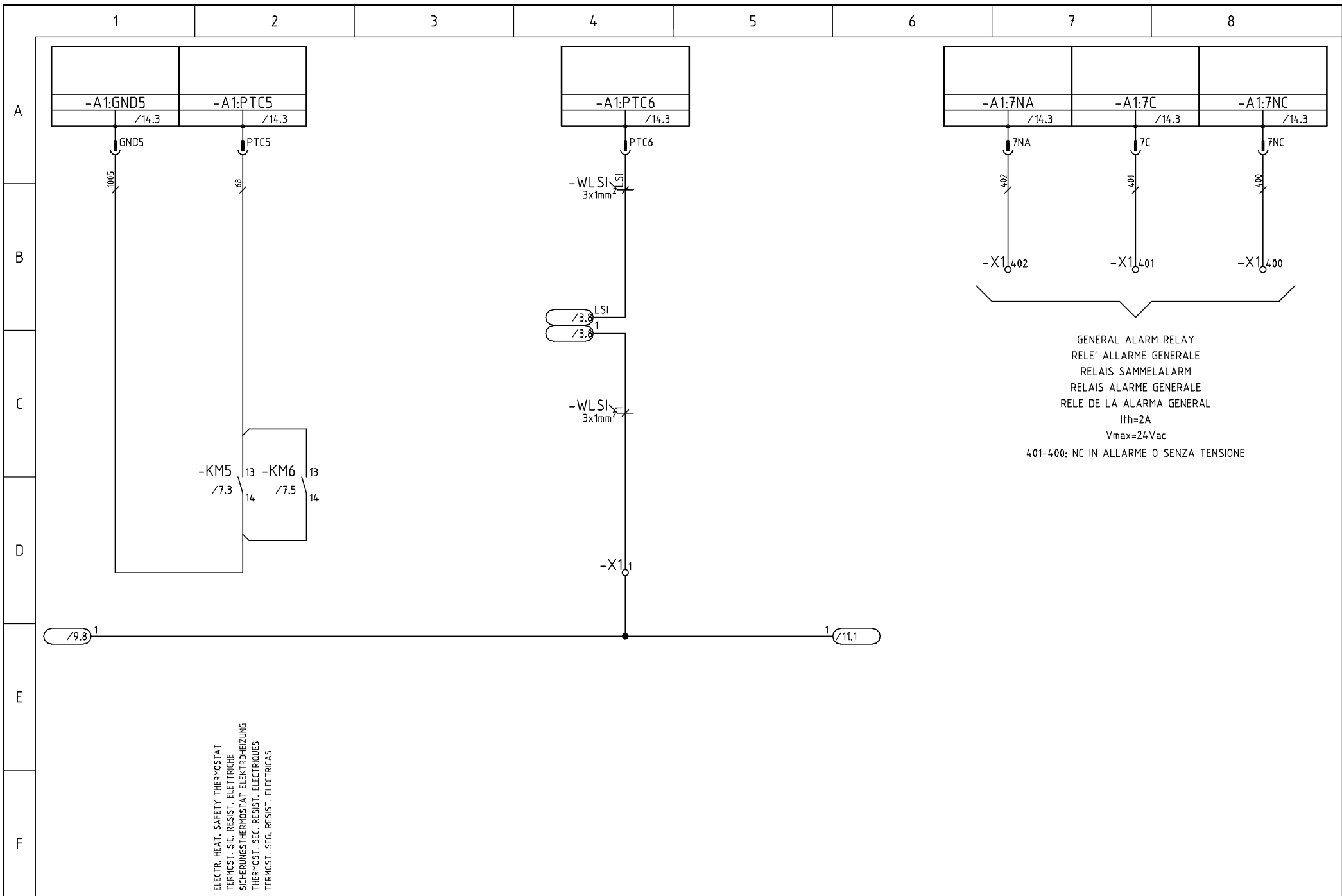
USER 1 INPUT
INGRESSO UTENTE 1
BENUTZEREINGANG 1
ENTREE UTILISATEUR 1
ENTRADA DEL USUARIO 1

CLOGGED FILTER ALARM OPTIONAL
ALLARME FILTRI SPORCHI OPZIONALE
FILTERWARNUNG OPTIONAL
ALARME FILTRES SALES EN OPTION
ALARMA DE FILTROS SUCIOS OPCIONAL

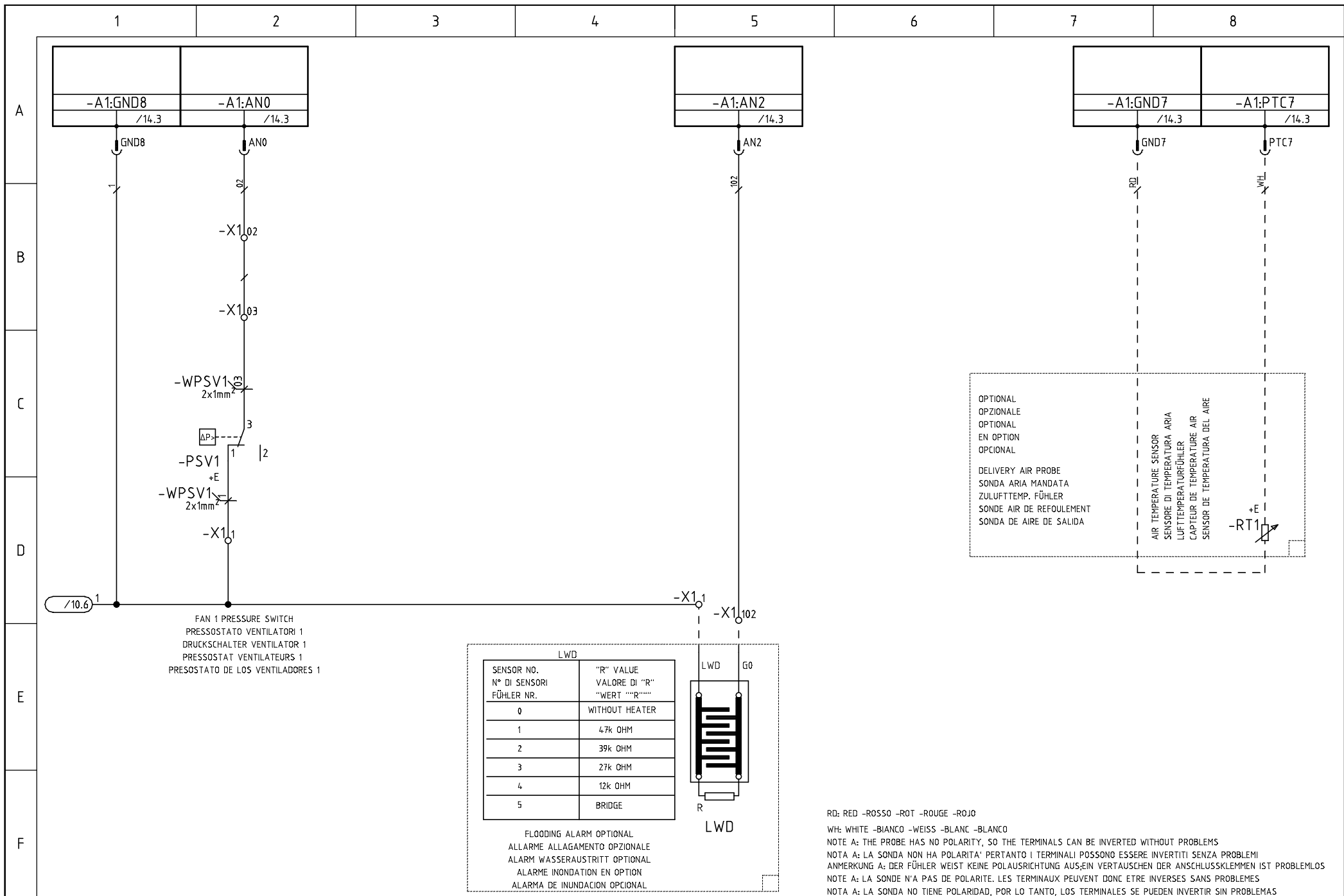
HIGH PRESSURE ALARM FOR C1
ALLARME ALTA PRESS. C1
HOCHDRUCKALARME KREISLAUF 1
ALARME HAUTE PRESS. C1
ALARMA DE ALTA PRES. C1

* REMOVE THE BRIDGE WHEN DIGITAL INPUTS INSTALLED
RIMUOVERE IL PONTICELLO SE INGRESSI DIGITALI SONO INSTALLATI
BRÜCKE ENTFERNEN DIGITALE EINGÄNGE FALLS SIE INSTALLIERT IST
ENLEVER LE CONTACT A PONT SI ENTREES NUMERIQUES SONT INSTALLEES
EXTRAER LA CONEXION PUENTE SI ENTRADAS DIGITALES HAY INSTALADOS

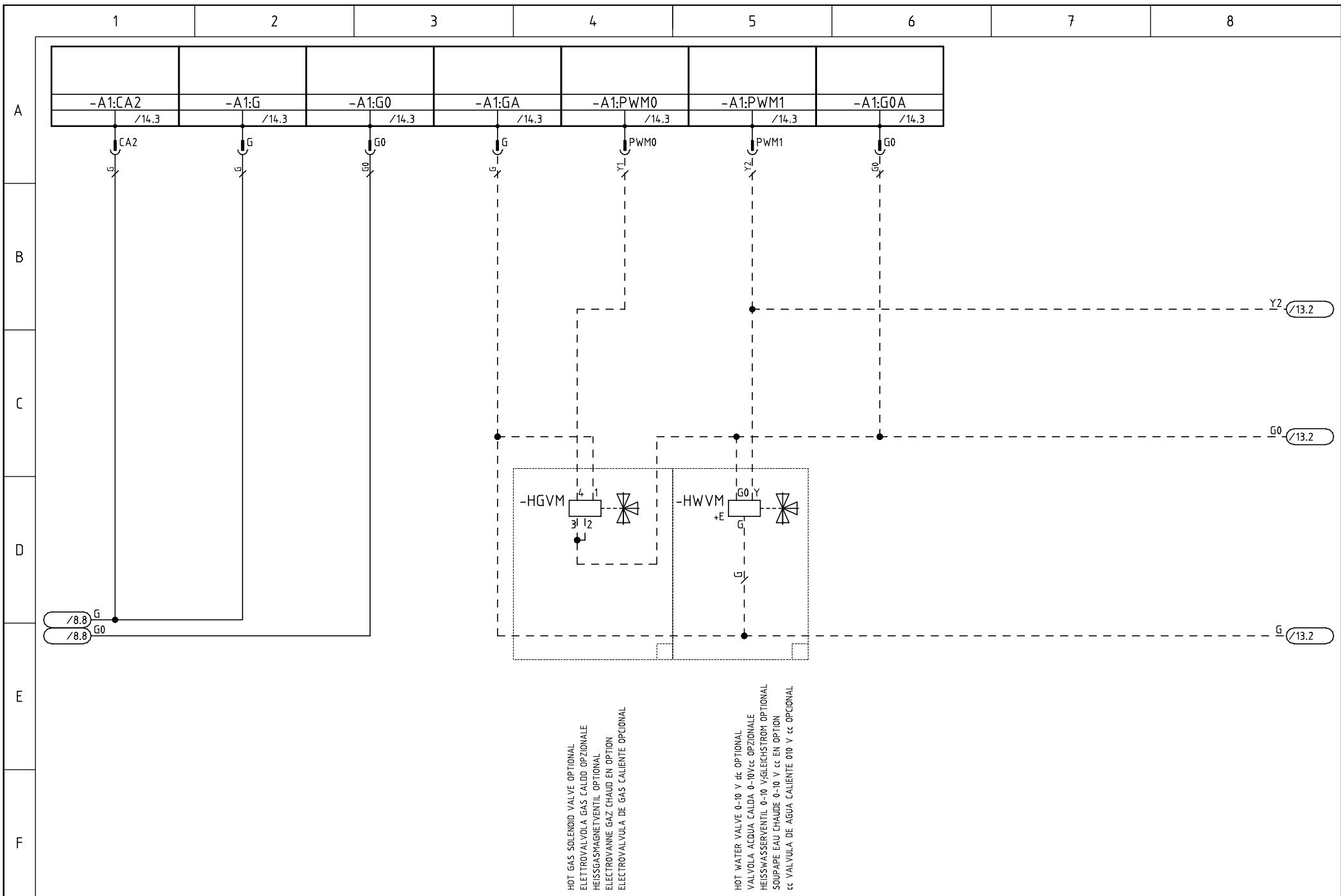
c	Date	07/06/2001	Wiring diagram name	Code	F+C+H	400(380)V AC 50(60)Hz	Auxiliaries 24V
b	Signature	#.A.	318816-C	318816			
a	Contr.	G.G.			TYPE: HIMOD 20-24(U/O)(A/W)	File: 318816c	2 WIRING DIAGRAM
Modification	Date	Date	Norm.	Replaced for:	Replaced by:	Origin:	Sheet 9 of Continue 10



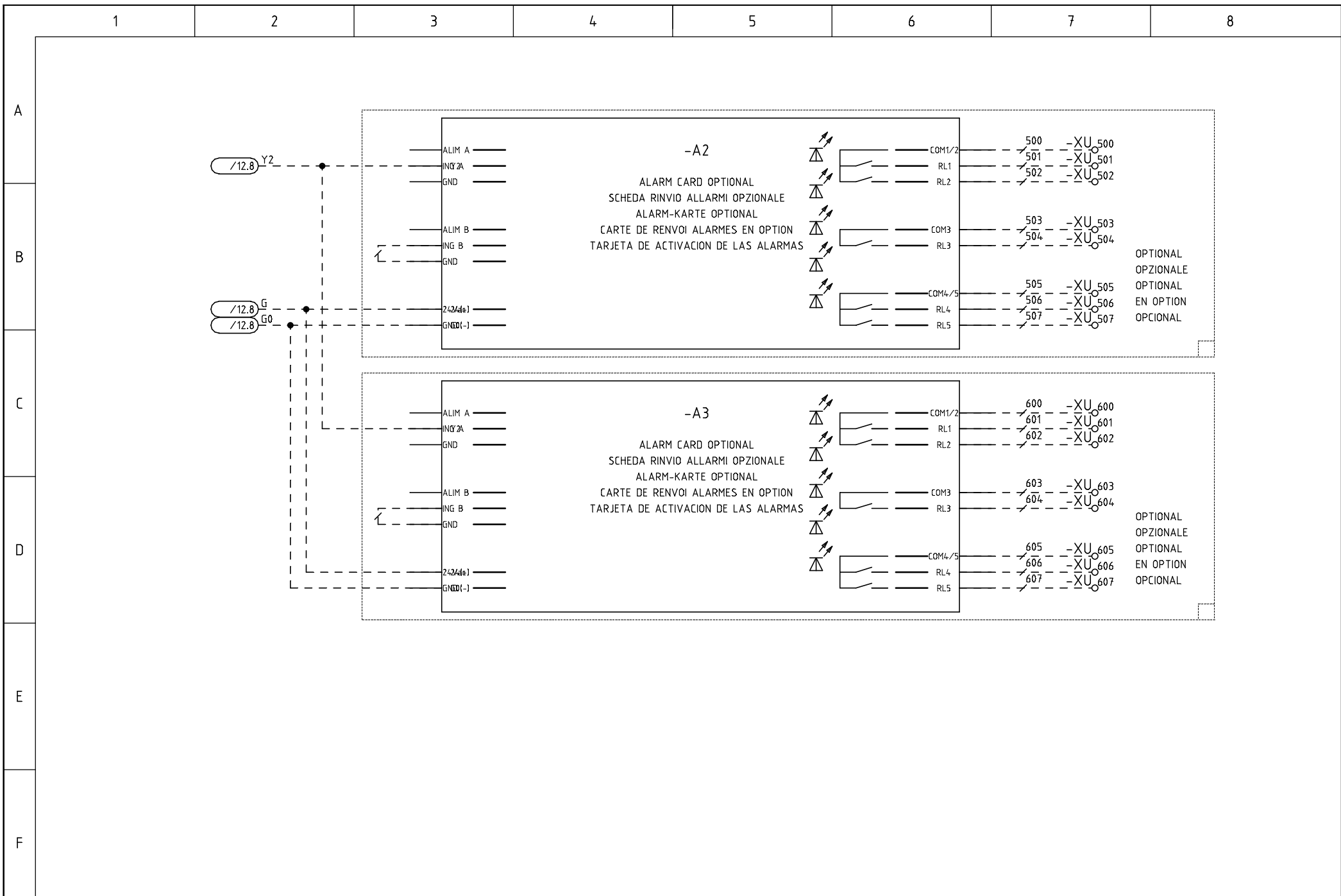
c		Date	07/06/2001	Wiring diagram name			Code	F+C+H	400(380)V AC 50(60)Hz	Auxiliaries 24V
b		Signature	F.A.	318816-C			318816			
a		Contr.	G.G.					TYPE:	HIMOD 20-24(U/O)(A/W)	2 WIRING DIAGRAM
Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:	File:	318816c	Sheet 16 of 11



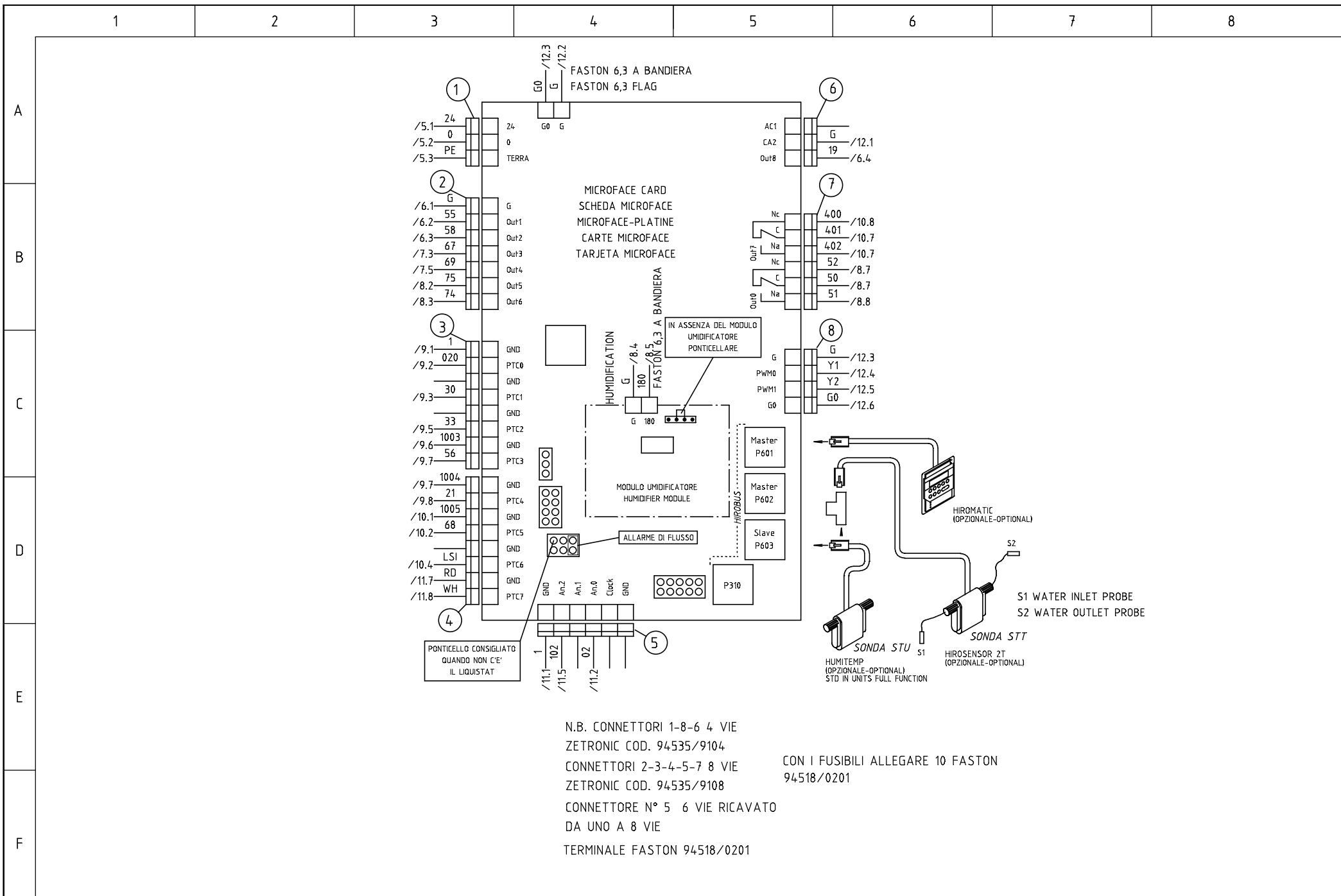
c	Date	07/06/2001	Wiring diagram name		Code	F+C+H	400(380)V AC 50(60)Hz	Auxiliaries 24V	
b	Signature	G.A.	318816-C		318816				
a	Contr.	G.G.				TYPE:	HIMOD 20-24(U/O)(A/W)	2 WIRING DIAGRAM	
Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:	File: 318816c	
								Sheet 11 of	Continue 12



c		Date	07/06/2001	Wiring diagram name			Code	F+C+H	400(380)V AC 50(60)Hz	Auxiliaries 24V
b		Signature	F.A.	318816-C			318816			
a		Contr.	G.G.							
Modification	Date	Date	Norm.	Replaced for:	Replaced by:	Origin:		HIMOD 20-24(U/O)(A/W)	File: 318816c	2 WIRING DIAGRAM Sheet 12 of 13



c		Date	07/06/2001	Wiring diagram name	Code	F+C+H	400(380)V AC 50(60)Hz	Auxiliaries 24V
b		Signature	F.A.	318816-C	318816			
a		Contr.	G.G.			TYPE: HIMOD 20-24(U/O)(A/W)	File: 318816c	2 WIRING DIAGRAM
Modification	Date	Date	Norm.	Replaced for:	Replaced by:	Origin:		Sheet 13 of 14



c		Date	07/06/2001	Wiring diagram name	Code	F+C+H	400(380)V AC 50(60)Hz	Auxiliaries 24V
b		Signature	E.A.	318816-C	318816			
a		Contr.	G.G.			TYPE:	HIMOD 20-24(U/O)(A/W)	2 WIRING DIAGRAM
Modification	Date	Date	Norm.	Replaced for:	Replaced by:	Origin:	File: 318816C	Sheet 14 of Continue

1

2

3

4

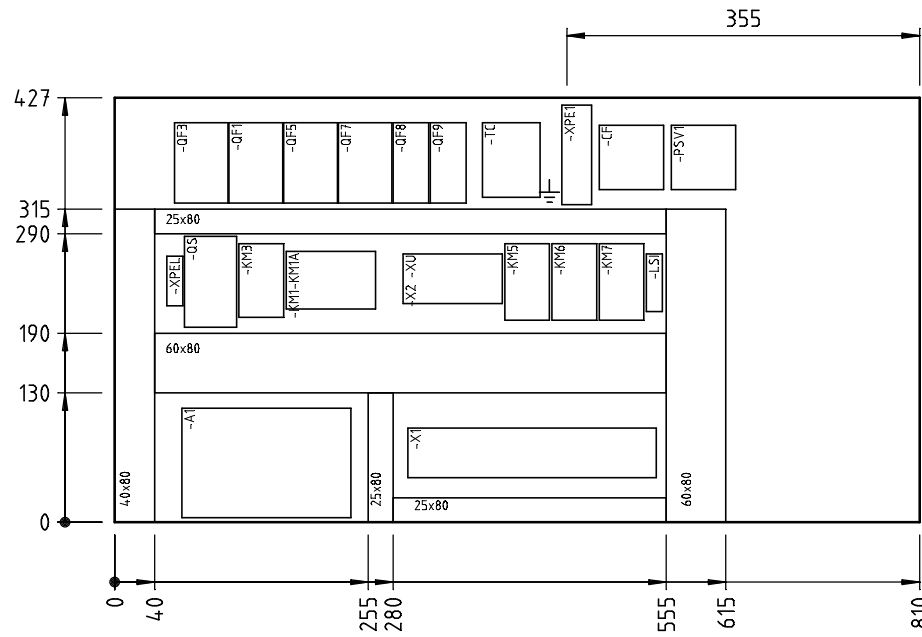
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6

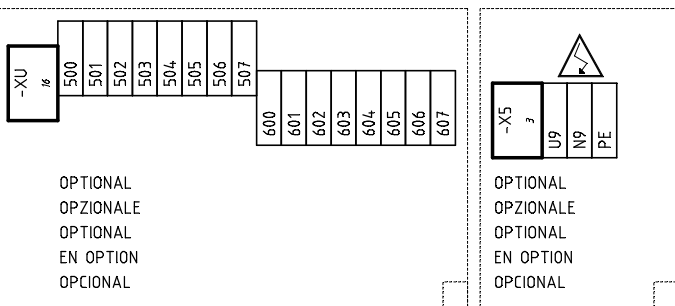
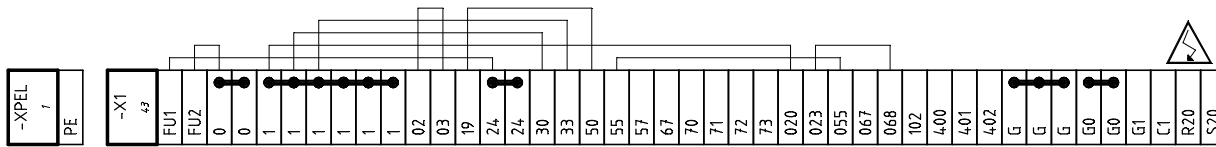
7

8

Layout - Planimetria q.e. - Abbildung - SCHEMA - Planimetria



TERMINAL BLOCK - MORSETTIERA - KLEMMLEISTE - PLAQUE A BORNES - TABLERO DE BORNES



c		Date	07/06/2001	Wiring diagram name			Code	F+C+H	400(380)V AC 50(60)Hz	
b		Signature	F.A.	318816-C			318816			Layout
a		Contr.	G.G.					TYPE:	HIMOD 20-24(U/O)(A/W)	3 Layout
	Modification	Date	Norm.	Replaced for:	Replaced by:	Origin:		File:	318816c	Sheet 1 of
			RN60204-1							Continue 2

1

2

3

4

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7

8

A

B

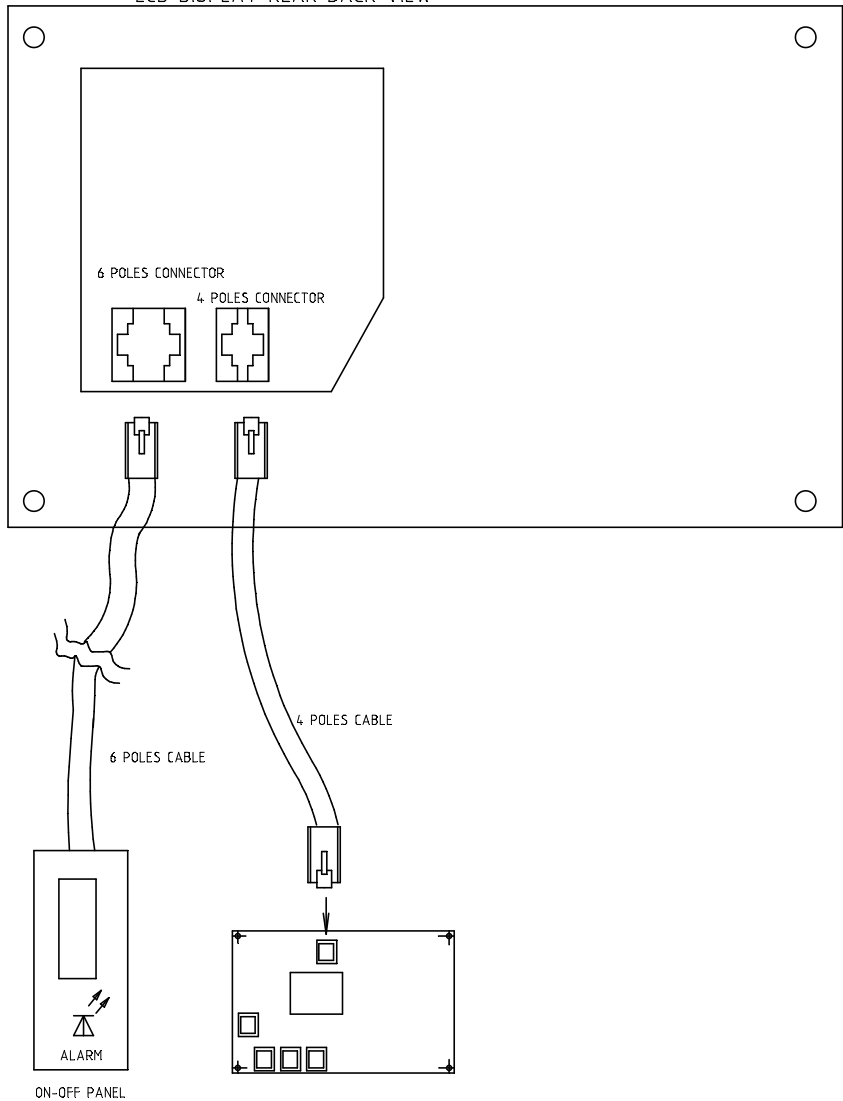
C

D

E

F

LCD DISPLAY REAR BACK VIEW



ON-OFF PANEL	
LED COLOR	AIR COND. UNIT STATUS
GREEN ON	UNIT OPERATING
RED ON	UNIT IN ALARM
GREEN FLASHING	UNIT IN STAND-BY
ORANGE ON	UNIT POWERED BUT NOT OPERATING

1		2		3		4		5		6		7		8	
QUANTITY	ARTICLE CODE	DESCRIPTION				TECHNICAL DATA				CATALOGUE NO.	IDENTIFIER	RE.	MANUFACTURER	Code	
A	28	MICROFACE CARD SCHEDA MICROFACE MICROFACE-PLATINE CARTE MICROFACE TARJETA MICROFACE									-A1	/14.3			
		POWER FACTOR CORR. CAPACITOR OPTIONAL CONDENS. RIFAS. VENTILATORE OPZIONALE KONDENSATOR BLINDSTROMKOMPENSATION OPTIONAL CONDENS. REMISE EN PHASE VENTILATEUR EN OPTION CONDENS. CORREC. F. POT. VENTILADOR OPCIONAL									-C1	/2.4			
B		FACTOR CORRECTION CAPACITOR OPTIONAL CONDENSATORE DI RIFASAMENTO OPZIONALE KONDENSATOR BLINDSTROMKOMPENSATION OPTIONAL CONDENSEUR DE REMISE EN PHASE EN OPTION CONDENSADOR DE CORRECCION DEL FACTOR DE POTENCIA									-CM3	/1.5			
		CRANKCASE 1 HEATER RESISTENZA CARTER 1 KURBELWANNENHEIZUNG 1 RESISTANCE CARTER 1 RESISTENCIA DEL CARTER 1									-EH3	/2.2			
C		HOT GAS SOLENOID VALVE OPTIONAL ELETTRORVALVOLA GAS CALDO OPZIONALE HEISSGASMAGNETVENTIL OPTIONAL ELECTROVANNE GAZ CHAUD EN OPTION ELECTROVALVULA DE GAS CALIENTE OPCIONAL									-HGVM	/12.4			
		CONDENSING UNIT AUTOMATIC SWITCH OPTIONAL INTERRUTTORE AUTOM. UNITA' CONDENSANTE OPZIONALE AUTOMATIKSCHALTER VERFLÜSSIGEREINHEIT OPTIONAL INTERRUPTEUR AUTOM. UNITE DE CONDENSATION EN OPTION INTERRUPTOR AUTOM. EQUIPO DE CONDENSACIONZ359									-QF9	/1.7			
D		HUMIDIFIER CURRENT TRANSFORMER TRASFORMATORE DI CORRENTE UMIDIFICATORE STROMWANDLER BEFEUCHTER TRANSFORMATEUR DE COURANT HUMIDIFICATEUR TRANSFORMADOR DE CORRIENTE DEL HUMIDIFICADOR									-TA	/3.6			
		DAMPER MOTOR OPTIONAL MOTORE SERRANDA OPZIONALE KLAPPENSTELLMOTOR OPTIONAL MOTEUR RIDEAU EN OPTION MOTOR DE LA COMPUERTA									-YV2	/4.8			
E		CLOGGED FILTER ALARM OPTIONAL ALLARME FILTRI SPORCHI OPZIONALE FILTERWARNUNG OPTIONAL ALARME FILTRES SALES EN OPTION ALARMA DE FILTROS SUCIOS OPCIONAL									-CF	/9.5			
		ELECTRIC HEATING RISCALDAMENTO ELETTRICO ELEKTROHEIZUNG CHAUFFAGE ELECTRIQUE CALEFACCION ELECTRICA									-EH5	/3.2			
F															

c	Date	07/06/2001	Wiring diagram name			Code	F+C+H		400(380)V AC 50(60)Hz		Component list		
b	Signature	T.A.	318816-C			318816							
a	Contr.	G.G.				TYPE:		HIMOD 20-24(U/O)(A/W)		File: 318816c		4 Component list	
Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:			Sheet 1 of		Continue 2	

1		2		3		4		5		6		7		8	
QUANTITY	ARTICLE CODE	DESCRIPTION				TECHNICAL DATA				CATALOGUE NO.	IDENTIFIER	RE.	MANUFACTURER	Code	
A		HUMIDIFIER UMIDIFICATORE BEFEUCHTER HUMIDIFICATEUR HUMIDIFICADOR									-EH7	/3.5			
		FAN 1 VENTILATORE 1 VENTILATOR 1 VENTILATEUR 1 VENTILADOR 1									-EV1	/2.5			
B		HIGH PRESSURE PRESSURE SWITCH PRESSOSTATO DI ALTA PRESSIONE HOCHDRUCKSCHALTER PRESSOSTAT DE HAUTE PRESSION PRESOSTATO DE ALTA PRESION									-HP	/6.2			
		HOT WATER VALVE OPTIONAL VALVOLA ACQUA CALDA OPZIONALE HEISSWASSERVENTIL OPTIONAL SOUPAPE EAU CHAUDE EN OPTION VALVULA DE AGUA CALIENTE									-HWV	/7.1			
C		HOT WATER VALVE 0-10 V dc VALVOLA ACQUA CALDA 0-10Vcc HEISSWASSERVENTIL 0-10 V;GLEICHSTROM SOUPAPE EAU CHAUDE 0-10 V cc cc VALVULA DE AGUA CALIENTE 010 V cc									-HWVM	/12.5			
		LOW PRESSURE SWITCH PRESSOSTATO DI BASSA PRESSIONE NIEDERDRUCKSCHALTER PRESSOSTAT DE BASSE PRESSION PRESOSTATO DE BAJA PRESION									-LP	/9.8			
D		COMPRESSOR COMPRESSORE VERDICHTER COMPRESSEUR COMPRESOR									-M3	/1.6			
		FAN 1 PRESSURE SWITCH PRESSOSTATO VENTILATORI 1 DRUCKSCHALTER VENTILATOR 1 PRESSOSTAT VENTILATEURS 1 PRESOSTATO DE LOS VENTILADORES 1									-PSV1	/11.2			
E		AIR TEMPERATURE SENSOR SENSORE DI TEMPERATURA ARIA LUFTTEMPERATURFÜHLER CAPTEUR DE TEMPERATURE AIR SENSOR DE TEMPERATURA DEL AIRE									-RT1	/11.8			
		REMOTE ON/OFF ON/OFF REMOTO EXTERN EIN-AUS ON/OFF A DISTANCE ON/OFF REMOTO									-S1	/9.2			
F															

c	Date	07/06/2001	Wiring diagram name			Code	F+C+H		400(380)V AC 50(60)Hz		Component list		
b	Signature	T.A.	318816-C			318816							
a	Contr.	G.G.				TYPE:		HIMOD 20-24(U/O)(A/W)		File: 318816c		4 Component list	
Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:					Sheet 2 of 3	

1		2		3		4		5		6		7		8	
QUANTITY	ARTICLE CODE	DESCRIPTION				TECHNICAL DATA				CATALOGUE NO.	IDENTIFIER	RE.	MANUFACTURER	Code	
A		USER 1 INPUT INGRESSO UTENTE 1 BENUTZEREINGANG 1 ENTREE UTILISATEUR 1 ENTRADA DEL USUARIO 1									-S2	/9.3			
		LEVEL PROBE SENSORE DI LIVELLO WASSERSTANDSFÜHLER CAPTEUR DE NIVEAU SENSOR DE NIVEL									-SL	/3.6			
B		ELECTR. HEAT. SAFETY THERMOSTAT THERMOST. SIC. RESIST. ELETTRICHE SICHERUNGSTHERMOSTAT ELEKTROHEIZUNG THERMOST. SEC. RESIST. ELECTRIQUES THERMOST. SEG. RESIST. ELECTRICAS									-ST12	/7.4			
		COMP. DELIVERY SAFETY T-STAT T-STATO SICUREZZA MANDATA COMP. SICHERHEITSTHERMOSTAT AUSTRITT VERDICHTER T-STAT SECURITE REFOULEMENT COMP. THERMOSTATO DE SEGURIDAD DE LA ALIMENTACION DEL COMP.									-TSC	/6.2			
C		FREON SOLENOID VALVE ELETTROVALVOLA FREON MAGNETVENTIL-KÄLTEMITTEL ELECTROVANNE FREON ELECTROVALVULA FREON									-Y1	/6.3			
		HOT GAS SOLENOID VALVE OPTIONAL ELETTROVALVOLA GAS CALDO OPZIONALE HEISSGASMAGNETVENTIL OPTIONAL ELECTROVANNE GAZ CHAUD EN OPTION ELECTROVALVULA DE GAS CALIENTE OPCIONAL									-YV5	/7.2			
D		HUMIDIFIER CHARGE SOLENOID VALVE ELETTROVALVOLA CARICO UMIDIFICATORE MAGNETVENTIL-BEFEUCHTEREINSPEISUNG ELECTROVANNE REPLISSAGE HUMIDIFICATEUR ELECTROVALVULA DE CARGA DEL HUMIDIFICADOR									-YV7	/8.2			
		HUMIDIFIER DRAIN SOLENOID VALVE ELETTROVALVOLA SCARICO UMIDIFICATORE MAGNETVENTIL-BEFEUCHTERENTLEERUNG ELECTROVANNE EVACUATION HUMIDIFICATEUR ELECTROVALVULA DE DESCARGA DEL HUMIDIFICADOR									-YV07	/8.3			
E	2	LA1-KN11	FAN 1 CONTACTOR CONTATTORE VENTILATORE 1 VENTILATORMOTOR SCHÜTZ Nr 1 CONTACTEUR VENTILATEUR 1 CONTACTOR DEL VENTILADOR 1			LA1-KN11 PER MINICONTATTORE			LA1-KN11	-KM1-KM1A	/6.5	TELEMECANIQUE			
			FAN 1 CONTACTOR CONTATTORE VENTILATORE 1 VENTILATORMOTOR SCHÜTZ Nr 1 CONTACTEUR VENTILATEUR 1 CONTACTOR DEL VENTILADOR 1			LA1-KN11 PER MINICONTATTORE			LA1-KN11	-KM1-KM1A	/6.5	TELEMECANIQUE			
F															

c	Date	07/06/2001	Wiring diagram name			Code	F+C+H		400(380)V AC 50(60)Hz		Component list		
b	Signature	T.A.	318816-C			318816							
a	Contr.	G.G.				TYPE:		HIMOD 20-24(U/O)(A/W)		File: 318816c		4 Component list	
Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:			Sheet 3 of		Continue 4	

1		2		3		4		5		6		7		8			
QUANTITY	ARTICLE CODE	DESCRIPTION				TECHNICAL DATA		CATALOGUE NO.		IDENTIFIER		RE.	MANUFACTURER		Code		
A	4	LAD4VE MKT1-43	COMPRESSOR CONTACTOR CONTATTORE COMPRESSORE VERDICHTER SCHÜTZ CONTACTEUR COMPRESSEUR CONTACTOR DEL COMPRESOR				LAD4VE		LAD4VE MKT1-43		-KM3		/6.2	TELEMECANIQUE ARCOTRONIC		254671 254656	
		MKT1-43	ELECTR. HEAT. CONTACTOR 1 CONTATTORE RISC. ELETTR. 1 ELEKTROHEIZUNG SCHÜTZ 1 CONTACTEUR CHAUFF. ELECTR. 1 CONTACTOR CALEF. ELECTR. 1				LAD4VE		LAD4VE MKT1-43		-KM5		/7.3	TELEMECANIQUE ARCOTRONIC		254671 254656	
		MKT1-43	ELECTR. HEAT. CONTACTOR 2 CONTATTORE RISC. ELETTR. 2 ELEKTROHEIZUNG SCHÜTZ 2 CONTACTEUR CHAUFF. ELECTR. 2 CONTACTOR CALEF. ELECTR. 2				LAD4VE		LAD4VE MKT1-43		-KM6		/7.5	TELEMECANIQUE ARCOTRONIC		254671 254656	
B		MKT1-43	HUMIDIFIER CONTACTOR CONTATTORE UMIDIFICATORE BEFEUCHTER SCHÜTZ CONTACTOR DEL HUMIDIFICADOR CONTACTEUR HUMIDIFICATEUR				LAD4VE		LAD4VE MKT1-43		-KM7		/8.5	TELEMECANIQUE ARCOTRONIC		254671 254656	
		1	LBI 24	DAMPER CONTROL RELAY OPTIONAL RELE' COMANDO SERRANDA OPZIONALE RELAIS KLAPPENREGELUNG OPTIONAL RELAIS COMMANDE RIDEAU EN OPTION RELE DE CONTROL DE LA COMPUERTA				LBI 24		LBI 24		-A4		/4.6	RINCK ELECTRONIC		255197
C		3	LC1D09B7 LS4.11 24V	ELECTR. HEAT. CONTACTOR 1 CONTATTORE RISC. ELETTR. 1 ELEKTROHEIZUNG SCHÜTZ 1 CONTACTEUR CHAUFF. ELECTR. 1 CONTACTOR CALEF. ELECTR. 1				24V AC, 1NA+1NC		LC1D09B7 LS4.11 24V		-KM5		/7.3	TELEMECANIQUE AEG		255816
			LS4.11 24V	ELECTR. HEAT. CONTACTOR 2 CONTATTORE RISC. ELETTR. 2 ELEKTROHEIZUNG SCHÜTZ 2 CONTACTEUR CHAUFF. ELECTR. 2 CONTACTOR CALEF. ELECTR. 2				24V AC, 1NA+1NC		LC1D09B7 LS4.11 24V		-KM6		/7.5	TELEMECANIQUE AEG		255816
			LS4.11 24V	HUMIDIFIER CONTACTOR CONTATTORE UMIDIFICATORE BEFEUCHTER SCHÜTZ CONTACTOR DEL HUMIDIFICADOR CONTACTEUR HUMIDIFICATEUR				24V AC, 1NA+1NC		LC1D09B7 LS4.11 24V		-KM7		/8.5	TELEMECANIQUE AEG		255816
D		1	LC1D12B7	COMPRESSOR CONTACTOR CONTATTORE COMPRESSORE VERDICHTER SCHÜTZ CONTACTEUR COMPRESSEUR CONTACTOR DEL COMPRESOR				24V AC, 1NA+1NC		LC1D12B7 LS7.01 24V+HS17.10		-KM3		/6.2	TELEMECANIQUE AEG		
		1	LC2K0910B72+LA1-KN11 N°2 LS4.11+L	FAN 1 CONTACTOR CONTATTORE VENTILATORE 1 VENTILATORMOTOR SCHÜTZ Nr 1 CONTACTEUR VENTILATEUR 1 CONTACTOR DEL VENTILADOR 1				24V AC 50/60Hz,2NA+1NC		LC2K0910B72 N°2 LS4.11+LUV1+HS17.10		-KM1-KM1A		/6.5	TELEMECANIQUE AEG		
E																	
F																	

c		Date	07/06/2001	Wiring diagram name				Code	318816		F+C+H		400(380)V AC 50(60)Hz			
b		Signature	T.A.	318816-C				318816		TYPE:		HIMOD 20-24(U/O)(A/W)		Component list		
a		Contr.	G.G.									4 Component list				
Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:			File: 318816c		Sheet 4 of		Continue 5		

1		2		3		4		5		6		7		8		
QUANTITY	ARTICLE CODE	DESCRIPTION				TECHNICAL DATA				CATALOGUE NO.	IDENTIFIER	RE.	MANUFACTURER	Code		
A	1	LSI	LEVEL PROBE INSULATOR ISOLATORE SENSORE DI LIVELLO ISOLIERUNG WASSERSTANDSFÜHLER ISOLATEUR CAPTEUR DE NIVEAU AISLADOR DEL SENSOR DE NIVEL				LSI				275905	-LSI	/3.7	HIROSS	275905	
	1	LWD	FLOODING ALARM OPTIONAL ALLARME ALLAGAMENTO OPZIONALE ALARM WASSERAUSTRITT OPTIONAL ALARME INONDATION EN OPTION ALARMA DE INUNDACION OPCIONAL				LWD					-R	/11.5	HIROSS	275180	
B	1	MKPC44/2	ANTI-NOISE FILTER FILTRO ANTIDISTURBO ENTSTÖRFILTER FILTRE ANTIBROUILLAGE FILTRO ELIMINADOR DE INTERFERENCIAS				MKPC44/2				MKPC44/2	-C3	/4.2	ARCOTRONICS	254324	
	1	OHY2AJ 19501	MAIN SWITCH INTERRUTTORE GENERALE HAUPTSCHALTER INTERRUPTEUR GENERAL INTERRUPTOR GENERAL				OHY2AJ				OHY2AJ 19501	-QS	/1.2	ABB TECHNOELECTRIC	256994	
C	1	OT45E4 TK63A 4P	MAIN SWITCH INTERRUTTORE GENERALE HAUPTSCHALTER INTERRUPTEUR GENERAL INTERRUPTOR GENERAL				OT45E4				OT45E4 TK63A 4P	-QS	/1.2	ABB TECHNOELECTRIC		
	2	SCHEDA CISE ALLARMI	ALARM CARD OPTIONAL SCHEDA RINVIO ALLARMI OPZIONALE ALARM-KARTE OPTIONAL CARTE DE RENVOI ALARMES EN OPTION TARJETA DE ACTIVACION DE LAS ALARMAS				SCHEDA CISE 124 5 RELE'					-A2	/13.3	HIROSS	275148	
D			ALARM CARD OPTIONAL SCHEDA RINVIO ALLARMI OPZIONALE ALARM-KARTE OPTIONAL CARTE DE RENVOI ALARMES EN OPTION TARJETA DE ACTIVACION DE LAS ALARMAS				SCHEDA CISE 124 5 RELE'					-A3	/13.3	HIROSS	275148	
	1	51AT40J	FAN/S AUTOTRANSFORMER AUTOTRASFORMATORE VENTILATORE/I REGELTRAFO FÜR VENTILATOREN AUTOTRANSFORMATEUR VENTILATEUR/S AUTOTRANSFORMADOR DEL VENTILADOR/I				3,3KVA				51AT40J	-TM	/2.5	MARINI	256298	
E	1	51TMA53	TRANSFORMER TRASFORMATORE TRANSFORMATOR TRANSFORMATEUR TRANSFORMADOR				130VA 400V/24V				51TMA53	-TC	/4.2	MARINI		
	1	24267 E82 C 6A	TRANSF. AUTOMATIC SWITCH INTERR. AUTOMATICO TRASFORMATORE AUTOMATIK-SCHALTER INTERR. AUTOMATIQUE TRANSFORMATEUR INTERR. AUTOMATICO DEL TRANSFORMADOR				6A 6KA "C"				24267 E82 C 6A	-QF8	/4.2	MERLIN GERIN AEG	256515 255048	
F																
c			Date	07/06/2001	Wiring diagram name				Code	318816	F+C+H		400(380)V AC 50(60)Hz			
b			Signature	T.A.	318816-C										Component list	
a			Contr.	G.G.							TYPE:		HIMOD 20-24(U/O)(A/W)		4 Component list	
	Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:			File:		318816c		Sheet 5 of	
															Continue 6	

1		2		3		4		5		6		7		8		
QUANTITY	ARTICLE CODE	DESCRIPTION		TECHNICAL DATA		CATALOGUE NO.		IDENTIFIER		RE.	MANUFACTURER		Code			
A	2	SF520263	A		6.3A F		SF520263		-X1		/4.2	OMEGA		254731		
	1	115 118.11			M6/8 GRIGIO 6mm2		115 118.11		-X1		/3.2	ENTRELEC				
	41	115 486.03 3003347			MA2,5/5 GRIGIO 2,5mm² A VITE		115 486.03 3003347		-X1		/4.7	ENTRELEC PHOENIX		255250		
	8	115 490.13			MA2,5/5 GRIGIO 2,5mm2		115 490.13		-XU		/13.7	ENTRELEC				
B	2	115 657.25+F6,3A-F 3004100	A		M4/8.SF GRIGIO MORSETTO PORTAF		115 657.25 3004100		-X1		/4.2	ENTRELEC PHOENIX				
	1	125 486.05 3003350			MA2,5/5N BLU 2,5mm² A VITE		125 486.05 3003350		-X5		/1.8	ENTRELEC PHOENIX		255298		
	1	165 114.17 442079			M6/8.P GIALLO VERDE 6mm2		165 114.17 442079		-XPEL		/1.2	ENTRELEC PHOENIX				
	1	165 488.27 441119			MA2,5/5.P GIALLO VERDE 2,5mm2		165 488.27 441119		-X5		/1.8	ENTRELEC PHOENIX				
	1	14979			14979		14979		-XPE		/1.3	MERLIN GERIN		256900		
C																
D																
E																
F																
QUESTA PAGINA NON DEVE COMPARIRE NELLO SCHEMA ELETTRICO THIS PAGE DOES NOT HAVE TO APPEAR IN THE ELECTRIC DIAGRAM																
c			Date	07/06/2001	Wiring diagram name			Code	318816		F+C+H		400(380)V AC 50(60)Hz		TERMINAL LIST	
b			Signature	T.A.	318816-C											
a			Contr.	G.G.												
Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:			TYPE: HIMOD 20-24(U/O)(A/W)		File:	318816c	6 TERMINAL LIST Sheet 1 of		Continue

	1		2		3		4		5		6		7		8	
	CABLE	LENGTH	TYPE			WIRE NUMBERING			WIRE TERMINAL			COMMENT			RIF.	
A	-WCF	L=1m	SGUAIN. 50mm.FROR 450/750 NPI 2 x 1 mm ²			33,1			FORCELLA-SPADE			-CF			/9.5	
	-WDOOR	L=0,6m	CONDUTTORE GIALLO-VERDE 1 x 6 mm ²			PE			FASTON-STRAIGHT			PE..			/2.2	
	-WEH3	L=3.2m	SGUAIN. 150mm. FROR 450/750 NP 3 x 1.5 mm ²			PE,R20,S20			PUNTALI-PRODES			-EH3			/2.3	
	-WEH5	L=1.1m	CONDUTTORE GIALLO-VERDE 1 x 6 mm ²			PE			OCCHIELLO-RINGE			-EH5			/3.3	
	-WEV1	L=2.8m	SGUAIN. 180mm. FROR 450/750 NP 4 x 1,5 mm ²			PE,U1,V1,W1			PUNTALI-PRODES			-EV1			/2.5	
B	-WEV1TK	L=2.8m	SGUAIN. 180mm.FROR 450/750 NPI 2 x 1 mm ²			054,G1			PUNTALI-PRODES			-EV1			/6.5	
	-WHP	L=3.2m	SGUAIN. 50mm. FROR 450/750 NPI 2 x 1 mm ²			57,055			NESSUNO-NOBODY			-HP			/6.2	
	-WLP	L=3.1m	SGUAIN. 50mm. FROR 450/750 NPI 2 x 1 mm ²			21,1004			NESSUNO-NOBODY			-LP			/9.8	
	-WLSI	L=VEDI PLAN.m	CONDUTT. N07V-K/WIRE N07V-K 3 x 1 mm ²			LSI,1,V7			PUNTALI-PRODES			-LSI			/10.4	
	-WM3	L=3.2m	SGUAIN. 150mm. FROR 450/750 NP 4 x 2.5 mm ²			PE,U3,V3,W3			OCCHIELLOØ5-RINGE TONGUE			-M3			/1.6	
-WPSV1	L=0.5m	SGUAIN. 50mm.FROR 450/750 NPI 2 x 1 mm ²			1,03			FORCELLA/SPADE			-PSV1			/11.2		
C	-WSBU	L=3.470m	SGUAIN. 400mm. FROR 450/750 NP 5 x 2.5 mm ²			PE,SL,U7,V7,W7			PUNT-PROD+OCCH-R			-EH7			/3.6	
	-WST12	L=1.22m	SGUIN. 50mm.FROR 450/750 NPI 2 x 1 mm ²			G,023			FASTON-STRAIGHT			-ST12			/7.4	
	-WTMPE	L=0.98m	-WTMxx UNIP. IN CALZA 1 x 1.5 mm ²			PE			OCCHIELLI Ø5-RING Ø5			-TM			/2.6	
	-WTMR	L=0.98m	-WTMxx UNIP. IN CALZA 4 x 1.5 mm ²			R3,R4,R5,R20			PUNTALI/PRODES			-TM			/2.5	
	-WTMS	L=0.88m	-WTMxx UNIP. IN CALZA 4 x 1.5 mm ²			S3,S4,S5,S20			PUNTALI/PRODES			-TM			/2.5	
-WTMT	L=0.78m	-WTMxx UNIP. IN CALZA 3 x 1.5 mm ²			T3,T4,T5			PUNTALI/PRODES			-TM			/2.5		
-WTMTH	L=0.78m	-WTMxx UNIP. IN CALZA 2 x 1.5 mm ²			G0,G1			PUNTALI/PRODES			-TM			/6.8		
D	-WY1	L=2.8m	SGUAIN. 50mm. FROR 450/750 NPI 2 x 1 mm ²			G,58			NESSUNO-NOBODY			-Y1			/6.3	
	-WYV7	L=3.1m	SGUAIN. 80mm. FROR 450/750 NPI 2 x 1 mm ²			G,75			FASTON-STRAIGHT			-YV7			/8.2	
	-WYV07	L=3.1m	SGUAIN. 80mm. FROR 450/750 NPI 2 x 1 mm ²			G,74			FASTON-STRAIGHT			-YV07			/8.3	

QUESTA PAGINA NON DEVE COMPARIRE NELLO SCHEMA ELETTRICO THIS PAGE DOES NOT HAVE TO APPEAR IN THE ELECTRIC DIAGRAM

c	Date	07/06/2001	Wiring diagram name			Code Code	318816	F+C+H	400(380)V AC50(60)Hz	CABLE LIST	
b	Signature	E.A.	318816-C								
a	Contr.	E.G.									
Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:	TYPE:	HIMOD 20-24(U/O)(A/W) File: 318816c	Sheet 1 of 7 CABLE LIST	Continuè

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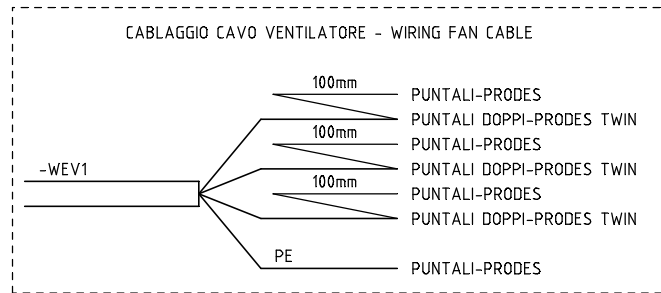
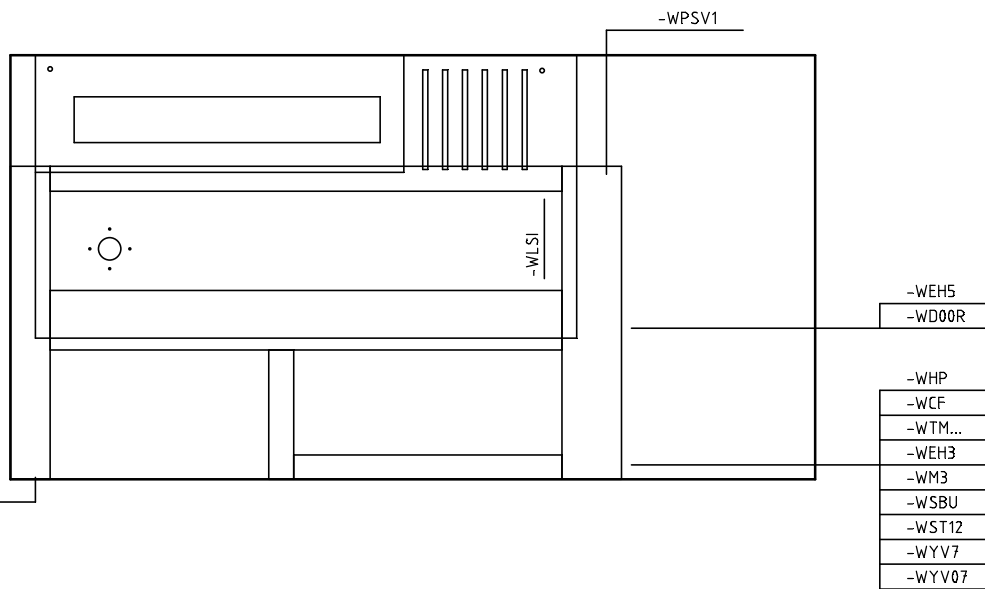
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MISURE DEI CAVI DA FINE CANALA MEASURES OF CABLES FROM THE END DUCT



c		Date	07/06/2001	Wiring diagram name	Code	F+C+H	400(380)V AC 50(60)Hz	
b		Signature	G.A.	318816-C	318816			CABLE LIST
a		Contr.	G.G.			TYPE:	HIMOD 20-24(U/O)(A/W)	7 CABLE LIST
	Modification	Date	Norm.	Replaced for:	Replaced by:	Origin:	File: 318816c	Sheet 2 of Continue

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NOTE INTERNE - INTERNAL NOTE

A

1) NON FARE IL PONTE TRA I MORSETTI 33-1 - NOT TO MAKE THE BRIDGE BETWEEN THE TERMINAL BLOCKS 33-1

2) METTERE TARGHETTA NEI CAVI USCENTI - TO PUT NAMEPLATE IN OUTGOING CABLES

3) TAGLIARE I CONNETTORI A MISURA. VEDI MICROFACE - TO CUT THE CONNECTORS TO MEASURE. SEE MICROFACE

B

4) UTILIZZARE COMPONENTI INDICATI DA UFFICIO ACQUISTI (ACQ)

- TO USE MEMBERS INDICATES TO YOU FROM OFFICE ACQUIRES (ACQ)

5) CON CONTATTORI "AEG" METTERE I FILTRI - WITH CONTACTORS "AEG" TO PUT THE FILTERS

C

D

E

F

c			Date	07/06/2001	Wiring diagram name			Code	318816	F+C+H	400(380)V AC 50(60)Hz	internal note
b			Signature	E.A.	318816-C							
a			Contr.	G.G.								8 internal note
Modification	Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:			HIMOD 20-24(U/O)(A/W)	File: 318816c	Sheet 1 of Continue

A

REVISION INDEX

Revision date	REVISION INDEX	Description	Signature
04/10/01	B	MODIFICATO RELE' K1 E CABLAGGIO PAG. 12 SPOSTATA BARRETTA DI TERRA MODIFICATA SEZIONE CAVIG-P-Q-Q1-R VENTILATORI	T.A.
22/05/2002	C	AGGIORNATA TABELLA CAVI, PLANIMETRIA, ELIMINATO K1 UPGRADE CABLE, LAYOUT, ELIMINATED K1	<i>Simone Pastore</i>

B

C

D

E

F

QUESTA PAGINA NON DEVE COMPARIRE NELLO SCHEMA ELETTRICO THIS PAGE DOES NOT HAVE TO APPEAR IN THE ELECTRIC DIAGRAM

c		Date	07/06/2001	Wiring diagram name	Code	F+C+H	400(380)V AC 50(60)Hz		
b		Signature	T.A.	318816-C	318816	TYPE:	HIMOD 20-24(U/O)(A/W)	File: 318816c	9 REVISION INDEX
a		Contr.	G.G.						Sheet 1 of
Modification		Date	Date	Norm.	RN60204-1	Replaced for:	Replaced by:	Origin:	