


0	11.02.02	ISSUED	CA	CA	AM
Rev.	Date	Description	Drawn	Checked	Approved
CACCIALANZA & C. s.p.a. ANTINCENDIO SICUREZZA ANTINQUINAMENTO SEGRATE (MILANO) - ITALY		Client / Project			
		Title			
		PANEL 20 M.O. VALVES LKS6 STANDARD EXECUTION			
	Date	Name			
Drawn	11.02.02	CA			
Checked	11.02.02	CA			
Approved	11.02.02	A.M.			
Code		Sys.	Size	Scale	Dwg nr.
			A3		46413591
					Rev. 0
					Sheet 1 of 30
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SHEET	DESCRIPTION	MODIFY							SHEET	DESCRIPTION	MODIFY											
		A	B	C	D	E	F	G			H	I	A	B	C	D	E		F	G	H	I
		1	COVER	0									29									
2	MODIFY TABLE	0							30										1			
3	TECHNICAL DATA	0							31													
4	WIRE COLOUR TABLE	0							32													
5	POWER WIRING	0							33													
6	UZG-2 PANEL WIRING	0							34										2			
7	UZG-1 PANEL -VA1 OPEN/CLOSED	0							35													
8	UZG-1 PANEL -VA2 OPEN/CLOSED	0							36													
9	UZG-1 PANEL -VA3 OPEN/CLOSED	0							37										3			
10	UZG-1 PANEL -VA4 OPEN/CLOSED	0							38													
11	UZG-1 PANEL -VA5 OPEN/CLOSED	0							39													
12	UZG-1 PANEL -VA6 OPEN/CLOSED	0							40										4			
13	UZG-1 PANEL -VA7 OPEN/CLOSED	0							41													
14	UZG-1 PANEL -VA8 OPEN/CLOSED	0							42													
15	UZG-1 PANEL -VA9 OPEN/CLOSED	0							43										5			
16	UZG-1 PANEL -VA10 OPEN/CLOSED	0							44													
17	UZG-1 PANEL -VA11 OPEN/CLOSED	0							45													
18	UZG-1 PANEL -VA12 OPEN/CLOSED	0							46										6			
19	UZG-1 PANEL -VA13 OPEN/CLOSED	0							47													
20	UZG-1 PANEL -VA14 OPEN/CLOSED	0							48													
21	UZG-1 PANEL -VA15 OPEN/CLOSED	0							49										7			
22	UZG-1 PANEL -VA16 OPEN/CLOSED	0							50													
23	UZG-1 PANEL -VA17 OPEN/CLOSED	0							51													
24	UZG-1 PANEL -VA18 OPEN/CLOSED	0							52										8			
25	UZG-1 PANEL -VA19 OPEN/CLOSED	0							53													
26	UZG-1 PANEL -VA20 OPEN/CLOSED	0							54													
27	UZA-2 LAY-OUT AND FRONT PANEL	0							55													
28	UZA-1 LAY-OUT AND FRONT PANEL	0							56										9			

CACCIALANZA & C. s.p.a. ANTINCENDIO SICUREZZA ANTINQUINAMENTO SEGRATE (MILANO) - ITALY	TITLE PANEL 20 M.D. VALVES TYPE A3-A4-A6-A8/EL	CLIENT	DATE 11.02.02	DWG N° 46413591
			SCALE	
			DRAWN CA	
			0 ISSUED 11.02.02	PROJECT N°
REV. MODIFY	DATE	CHECKED CA	APPROVED	SHEET N° 2 OF 30

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PANEL BOARD TECHNICAL DATA

RATED SERVICE VOLTAGE:.....400V	TYPE OF SEGREGATION:.....FORM 1	TEMPERATURE:.....40°C
RATED INSULATION VOLTAGE:.....1000V	INSTALLATION:.....OUTDOOR	DEGREE OF PROTECTION:see page 10-11
RATED FREQUENCY:.....50Hz	COMPLIANCE WITH STANDARD:.....CEI 17/13.1	COLOR:.....RED RAL7032
ELECTRICAL SYSTEM:.....3Ph+PE	IN/OUT CABLES:.....BOTTOM	

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NOTE: MOV CONNECTIONS ANLY LISTED IN THE THIS DRAWINGS.
 FOR FIRE ALARM AND TECHNOLOGICAL LINES SECTIONS
 SEE CORRESPONDING DRAWINGS.

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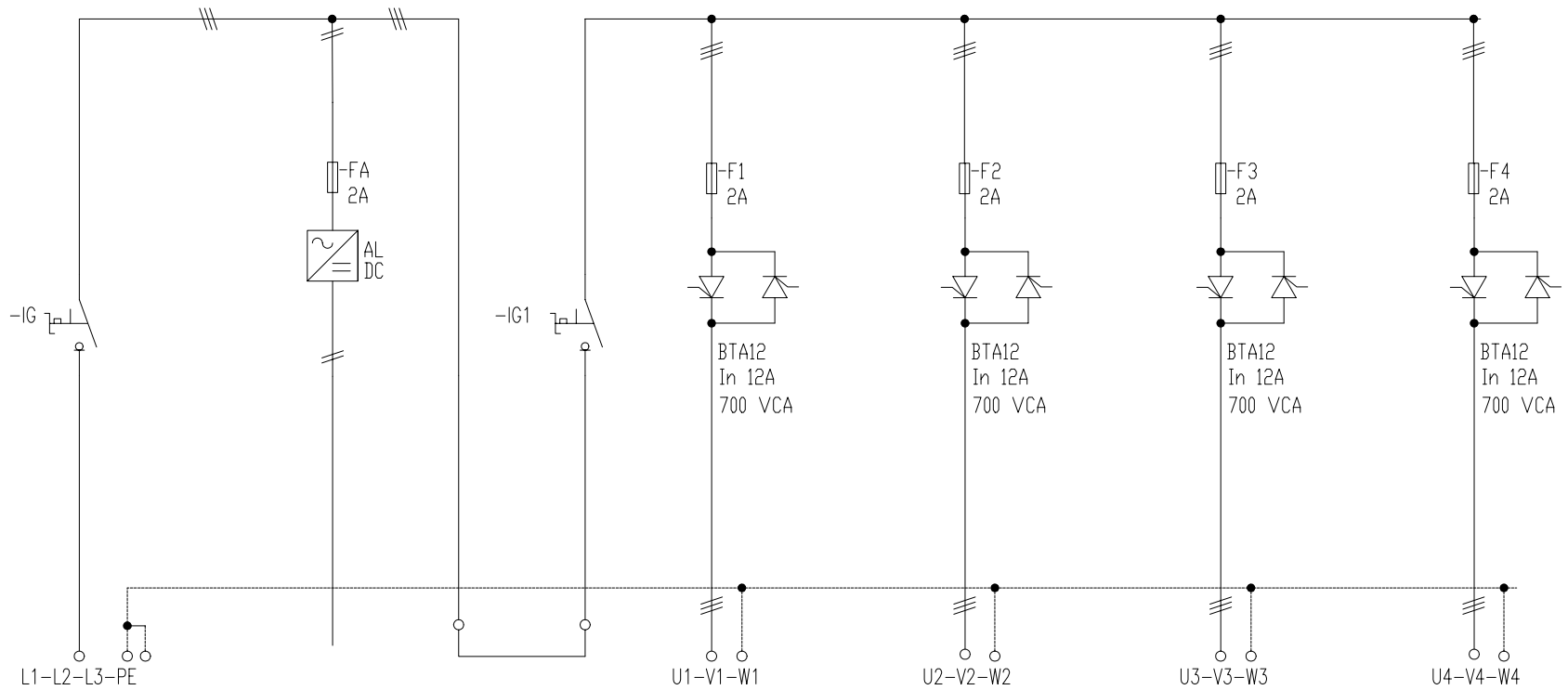
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POWER CIRCUIT		AUXILIARY CIRCUIT	
MIN. SECTION 2,5mmq		MIN. SECTION 1,5mmq	
CONDUCTOR		CONDUCTOR	
PHASES	BLACK	24V – C.A.	RED
NEUTRAL	LIGHT BLUE	110V – A.C	RED
GROUND	YELLOW-GREEN	220V – A.C	BLACK
		24V – D.C	BLUE
WIRE COLOUR TABLE			



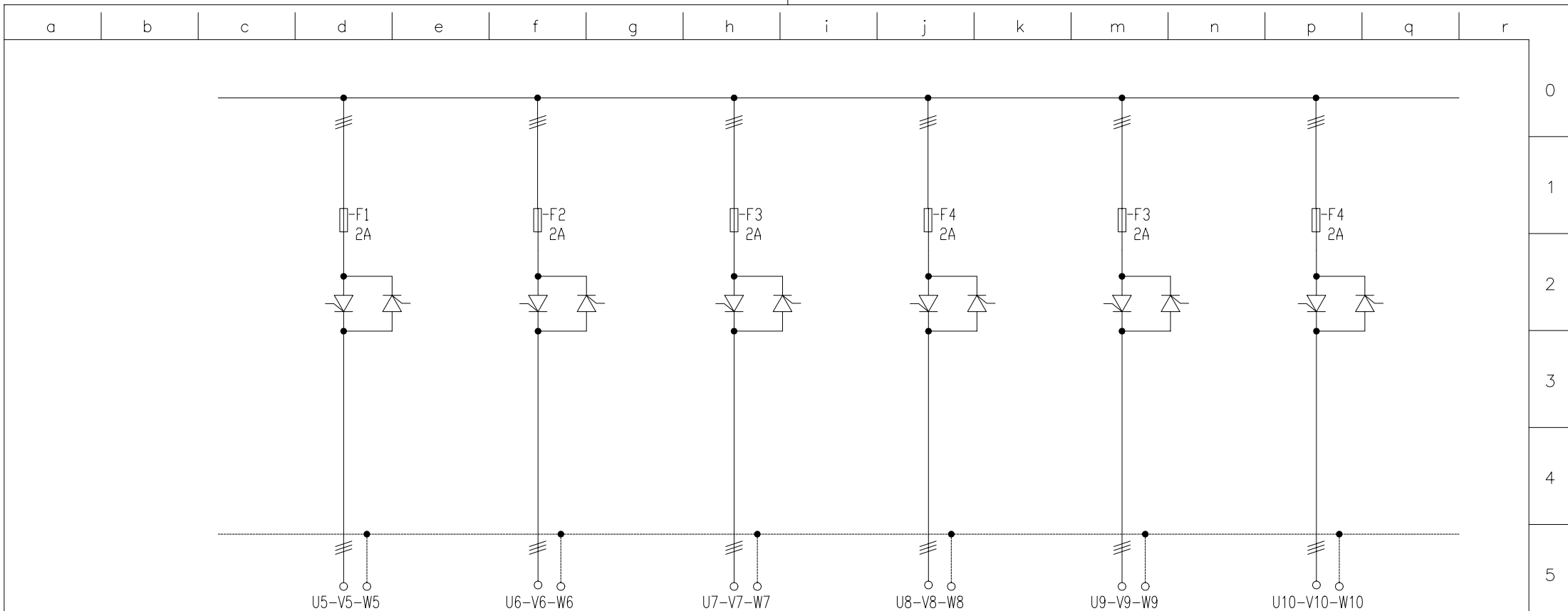
USE	CIRCUIT		n?		MAIN SUPPLY		OPEN/CLOSED VALVE - VA1		OPEN/CLOSED VALVE - VA2		OPEN/CLOSED VALVE - VA3		OPEN/CLOSED VALVE - VA4	
	DESCRIPTION		Kw	A	1	2	0,45	0,9	0,45	0,9	0,45	0,9	0,45	0,9
ELECTRICAL EQUIPMENT	SWITCH	TYPE	P1-25 /Z											
		RATED CURRENT - N. POLES	A	n?	25	3								
		BREAKING CAPACITY	V	KA	400									
		SETTING CURRENT MAG. ELEMENT	A											
	SETTING CURRENT THE. ELEMENT	A												
	SETTING CURRENT Id	A												
	CON-TACTOR	TYPE												
		RATED CURRENT	A											
		UTILIZATION CATEGORY					AC-3		AC-3		AC-3		AC-3	
	THERMAL RELAY	TYPE												
SETTING RANGE		A												
SETTING CURRENT		A												
FUSEHOLDER - TYPE & CURRENT			A											
	FUSES - TYPE & SETTING CURRENT		A											
LINE	AMMETER													
	VOLMETER													
CABLE	TYPE													
	SECTION	mmq					(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)	
	LANGE	mt												
	RATED CURRENT(Iz)	A												

CACCIALANZA & C. s.p.a.
 ANTINCENDIO SICUREZZA ANTINQUINAMENTO
 SEGRATE (MILANO) - ITALY

TITLE
 PANEL 20 M.D. VALVES
 TYPE A3-A4-A6-A8/EL

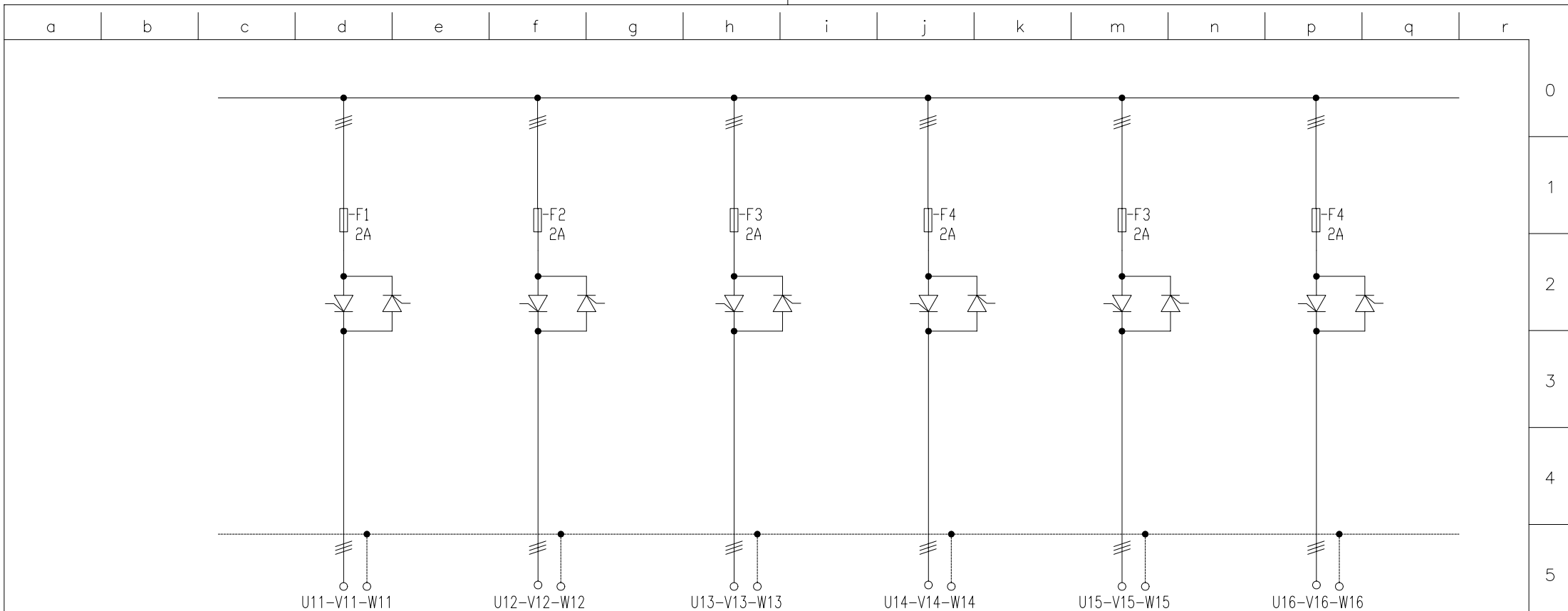
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DATE	11.02.02	DWG N°	46413591
SCALE		PROJECT N°	
DRAWN	CA	CHECKED	CA
0 ISSUED	11.02.02	APPROVED	
REV.	MODIFY	DATE	SHEET N. 5 OF 30



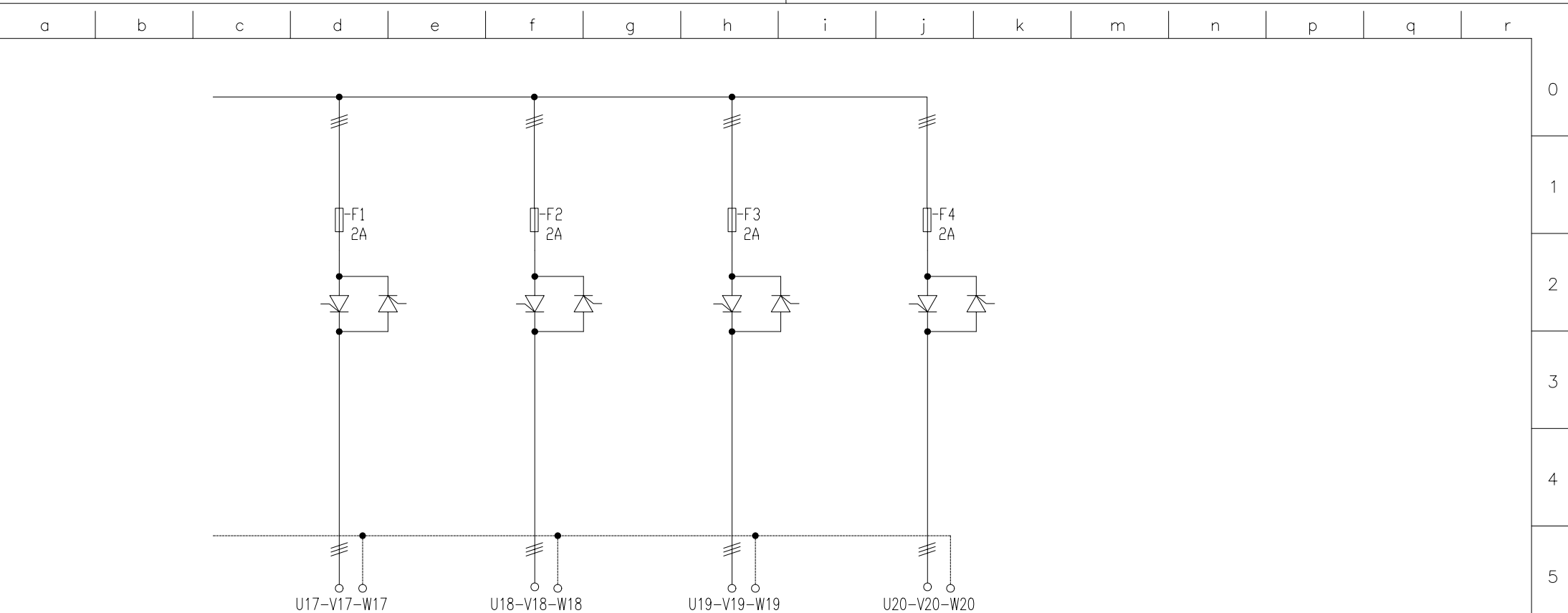
USE	CIRCUIT		n?		OPEN/CLOSED VALVE- VA5		OPEN/CLOSED VALVE- VA6		OPEN/CLOSED VALVE- VA7		OPEN/CLOSED VALVE - VA8		OPEN/CLOSED VALVE - VA9		OPEN/CLOSED VALVE-VA10			
	DESCRIPTION		Kw	A														
	RATED SERVICE POWER AND CURRENT		Kw	A	0,45	0,9	0,45	0,9	0,45	0,9	0,45	0,9	0,45	0,9	0,45	0,9		
ELECTRICAL EQUIPMENT	SWITCH	TYPE	.....														
		RATED CURRENT - N. POLES	A	n?														
		BREAKING CAPACITY	V	KA														
		SETTING CURRENT MAG. ELEMENT	A															
		SETTING CURRENT THE. ELEMENT	A															
	THERMAL RELAY	SETTING CURRENT Id	A															
		TYPE																
		RATED CURRENT	A															
		UTILIZATION CATEGORY	AC-3		AC-3		AC-3		AC-3		AC-3		AC-3		AC-3			
		FUSEHOLDER - TYPE & CURRENT	A															
FUSES - TYPE & SETTING CURRENT	A																	
AMMETER																		
VOLTMETER																		
LINE	CABLE	TYPE																
		SECTION	mmq	(4G2,5)	(4G2,5)	(4G2,5)	(4G2,5)	(4G2,5)	(4G2,5)	(4G2,5)	(4G2,5)	(4G2,5)	(4G2,5)	(4G2,5)	(4G2,5)	(4G2,5)		
		LANGE	mt															
		RATED CURRENT(Iz)	A															

CACCIALANZA & C. s.p.a. ANTINCENDIO SICUREZZA ANTINQUINAMENTO SEGRATE (MILANO) - ITALY	TITLE		CLIENT		DATE		DWG N°	
	PANEL 20 M.D. VALVES				11.02.02		46413591	
	TYPE A3-A4-A6-A8/EL				SCALE		PROJECT N°	
					DRAWN CA			
0 ISSUED		11.02.02		CHECKED CA		SHEET N° 6 OF 30		
REV. MODIFY		DATE		APPROVED				



USE	CIRCUIT		n?		OPEN/CLOSED VALVE - VA11		OPEN/CLOSED VALVE - VA12		OPEN/CLOSED VALVE - VA13		OPEN/CLOSED VALVE - VA14		OPEN/CLOSED VALVE - VA15		OPEN/CLOSED VALVE - VA15	
	DESCRIPTION	RATED SERVICE POWER AND CURRENT	Kw	A												
ELECTRICAL EQUIPMENT	SWITCH	TYPE	.....		.....		.....		.....		.....		.....		.....
		RATED CURRENT - N. POLES	A	n?												
		BREAKING CAPACITY	V	KA												
		SETTING CURRENT MAG. ELEMENT	A													
		SETTING CURRENT THE. ELEMENT	A													
		SETTING CURRENT Id	A													
	CON-TACTOR	TYPE														
		RATED CURRENT	A													
		UTILIZATION CATEGORY	AC-3													
		TYPE														
THERMAL RELAY		SETTING RANGE	A													
		SETTING CURRENT	A													
		FUSEHOLDER - TYPE & CURRENT	A													
		FUSES - TYPE & SETTING CURRENT	A													
LINE	CABLE	TYPE														
		SECTION	mmq		(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)			
		LANGE	mt													
		RATED CURRENT(Iz)	A													

CACCIALANZA & C. s.p.a. ANTINCENDIO SICUREZZA ANTINQUINAMENTO SEGRATE (MILANO) - ITALY	TITLE PANEL 20 M.D. VALVES TYPE A3-A4-A6-A8/EL	CLIENT	DATE	11.02.02	DWG N° 46413591 PROJECT N° SHEET N° 7 OF 30
			SCALE		
			DRAWN	CA	
			CHECKED	CA	
0	ISSUED	11.02.02	DATE		
REV.	MODIFY	DATE	APPROVED		



USE	CIRCUIT		n?		OPEN/CLOSED VALVE- VA17		OPEN/CLOSED VALVE- VA18		OPEN/CLOSED VALVE- VA19		OPEN/CLOSED VALVE - VA20								
	DESCRIPTION		Kw	A															
					0,45	0,9													
ELECTRICAL EQUIPMENT	SWITCH	TYPE	.....		.....		.....		.....		.....
		RATED CURRENT - N. POLES	A	n?															
		BREAKING CAPACITY	V	KA															
		SETTING CURRENT MAG. ELEMENT	A																
		SETTING CURRENT THE. ELEMENT	A																
			SETTING CURRENT Id	A															
	THERMAL RELAY	TYPE																	
		RATED CURRENT	A																
		UTILIZATION CATEGORY			AC-3		AC-3		AC-3		AC-3								
			SETTING RANGE	A															
		SETTING CURRENT	A																
		FUSEHOLDER - TYPE & CURRENT	A																
		FUSES - TYPE & SETTING CURRENT	A																
		AMMETER																	
		VOLTMETER																	
LINE	CABLE	TYPE																	
		SECTION	mmq		(4G2,5)		(4G2,5)		(4G2,5)		(4G2,5)								
		LANGE	mt																
		RATED CURRENT(Iz)	A																

CACCIALANZA & C. s.p.a. ANTINCENDIO SICUREZZA ANTINQUINAMENTO SEGRATE (MILANO) - ITALY	TITLE PANEL 20 M.D. VALVES TYPE A3-A4-A6-A8/EL	CLIENT	DATE	11.02.02	DWG N° 46413591 PROJECT N° SHEET N° 8 OF 30
			SCALE		
			DRAWN	CA	
			CHECKED	CA	
0	ISSUED	11.02.02	DATE	APPROVED	
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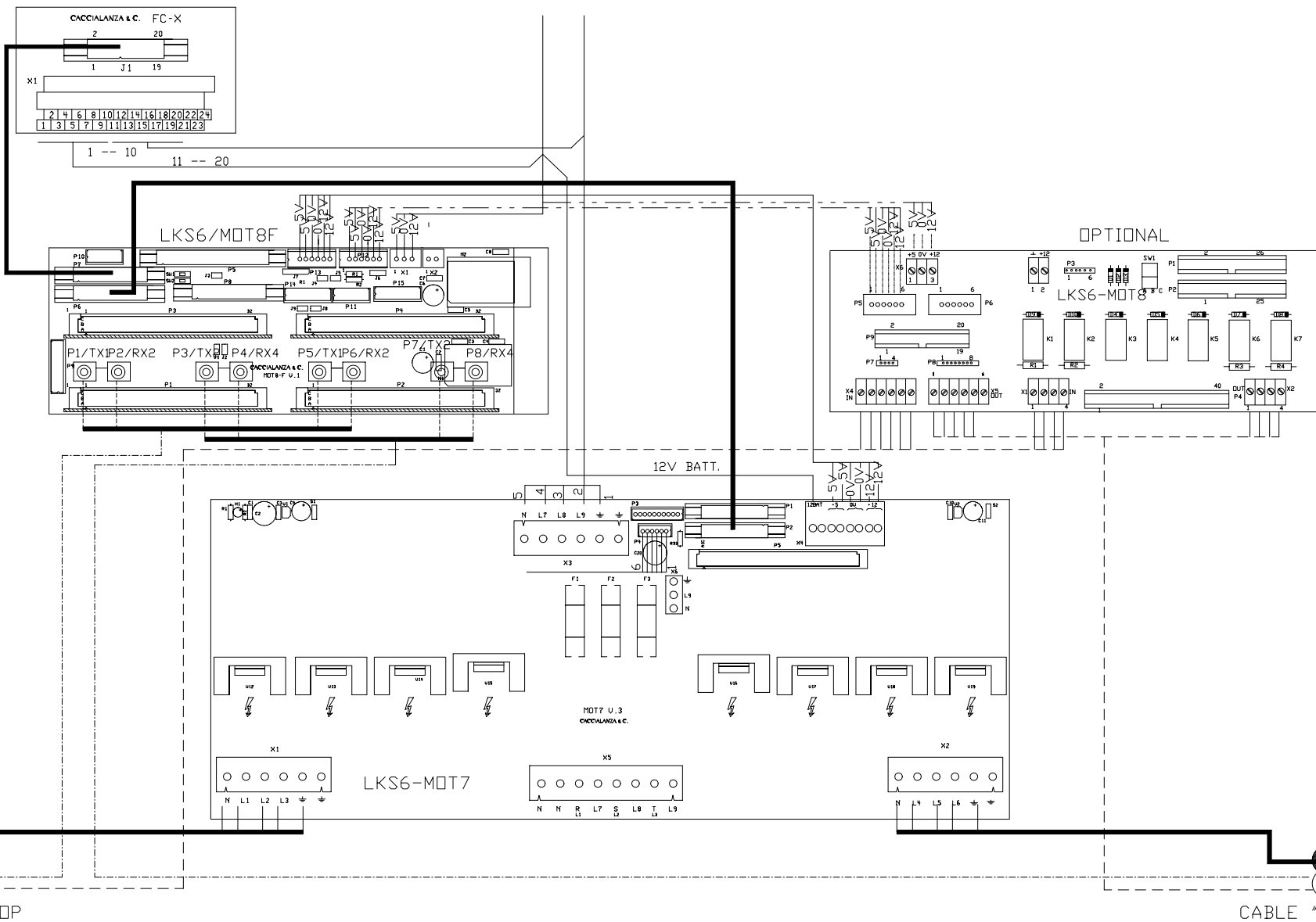
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SEE SHEET 10



CABLE "IN" LOOP

CABLE "OUT" LOOP

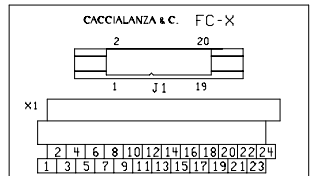
CACCIALANZA & C. S.p.A.
ANTINCENDIO SICUREZZA ANTINQUINAMENTO
SEGRATE (MILANO) - ITALY

TITLE
PANEL 20 M.D. VALVES
TYPE A3-A4-A6-A8/EL

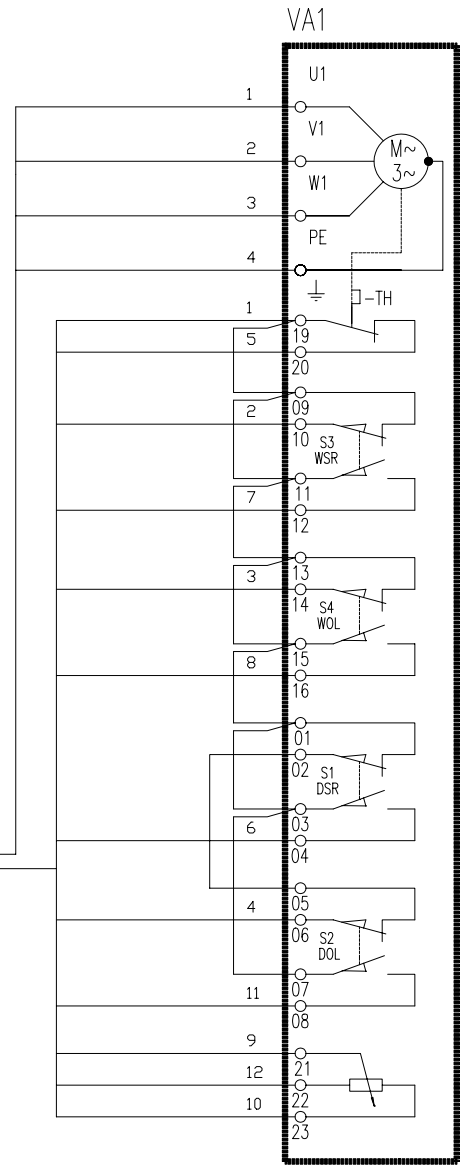
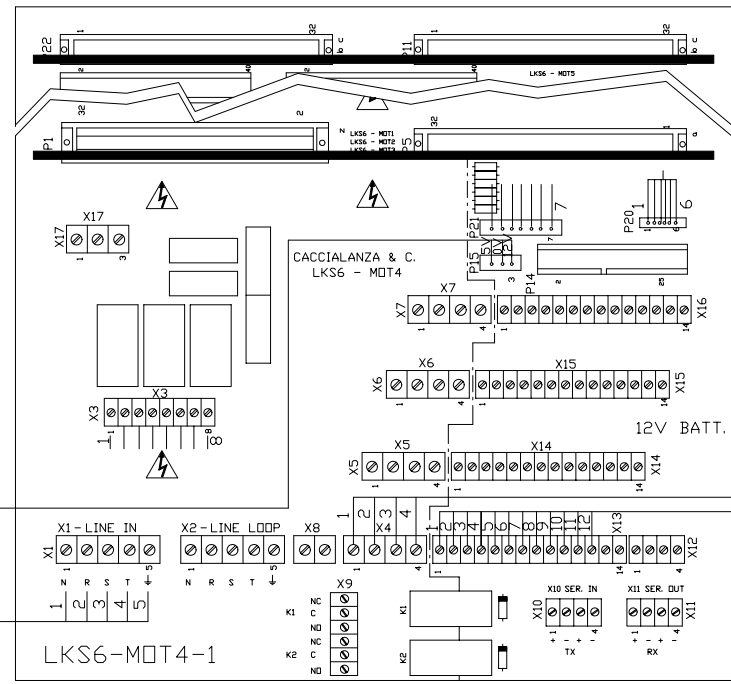
CLIENT

DATE	11.02.02	DWG N°	46413591
SCALE		PROJECT N°	
DRAWN	CA	CHECKED	CA
0 ISSUED	11.02.02	APPROVED	
REV.	MODIFY	DATE	
		SHEET N°	9 OF 30

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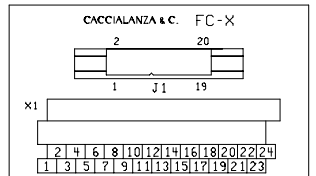


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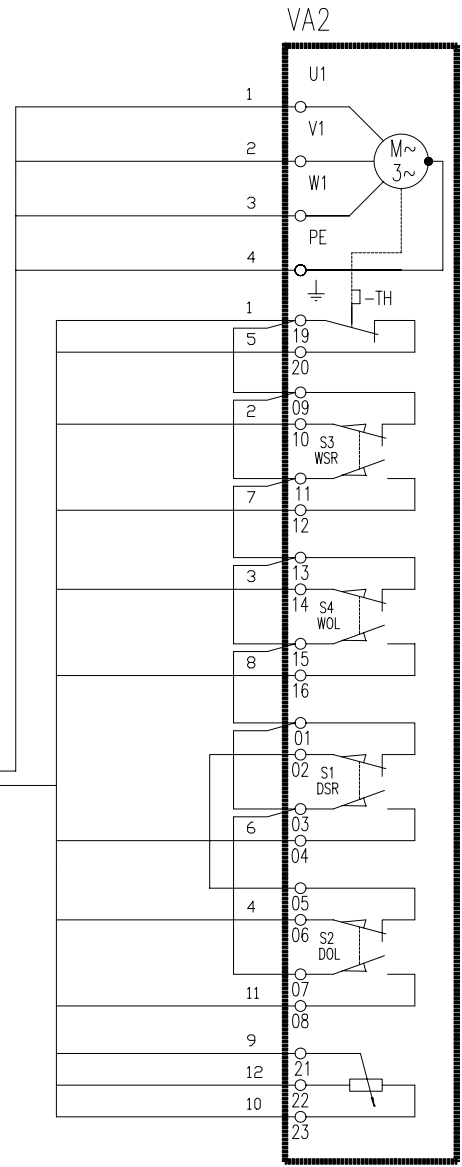
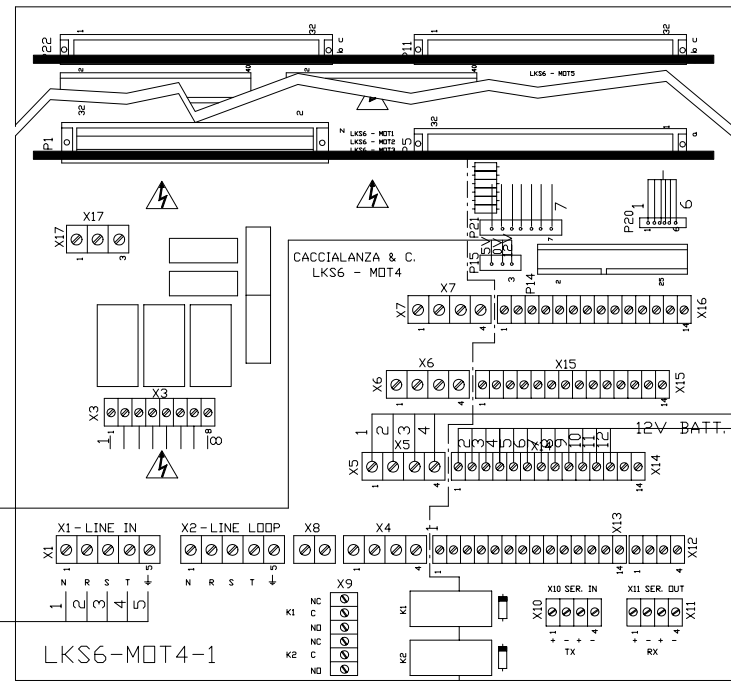


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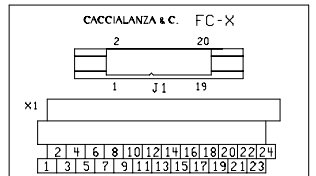


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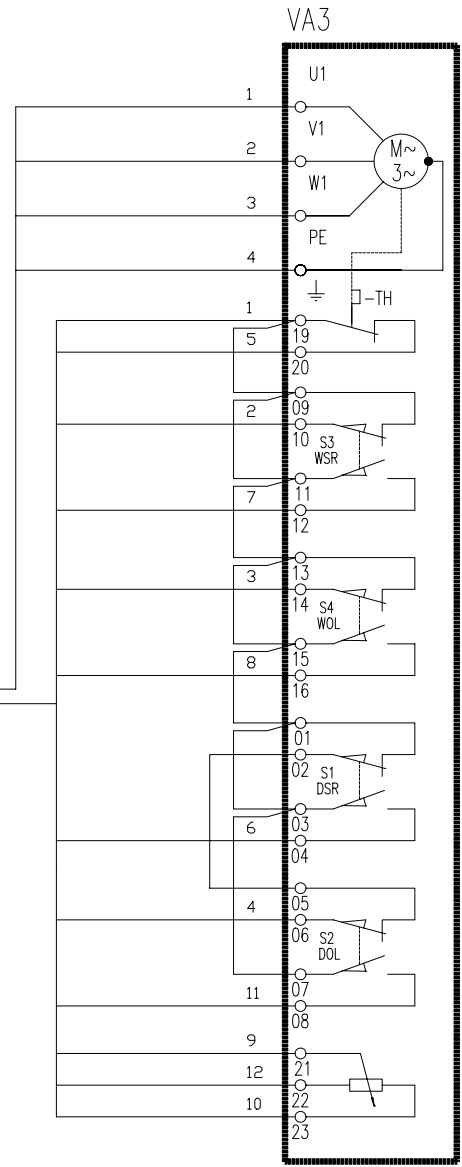
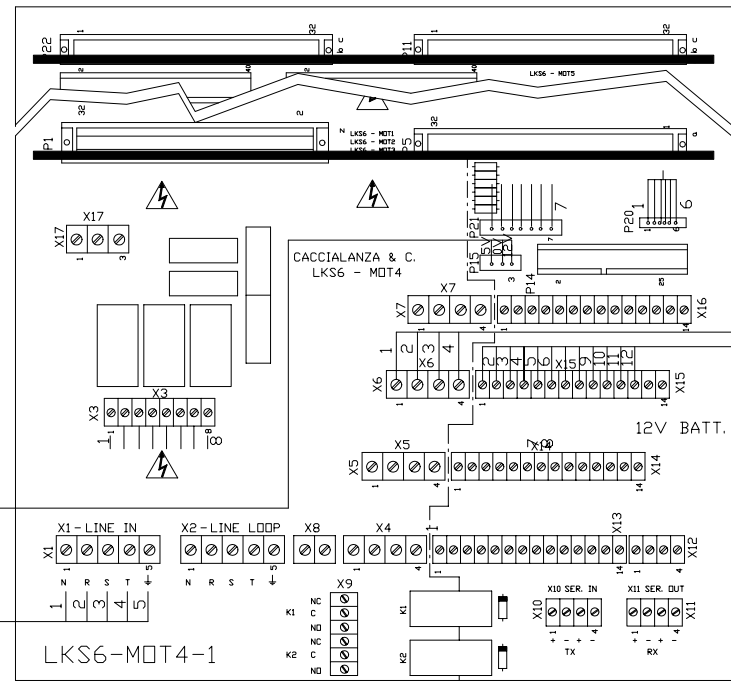


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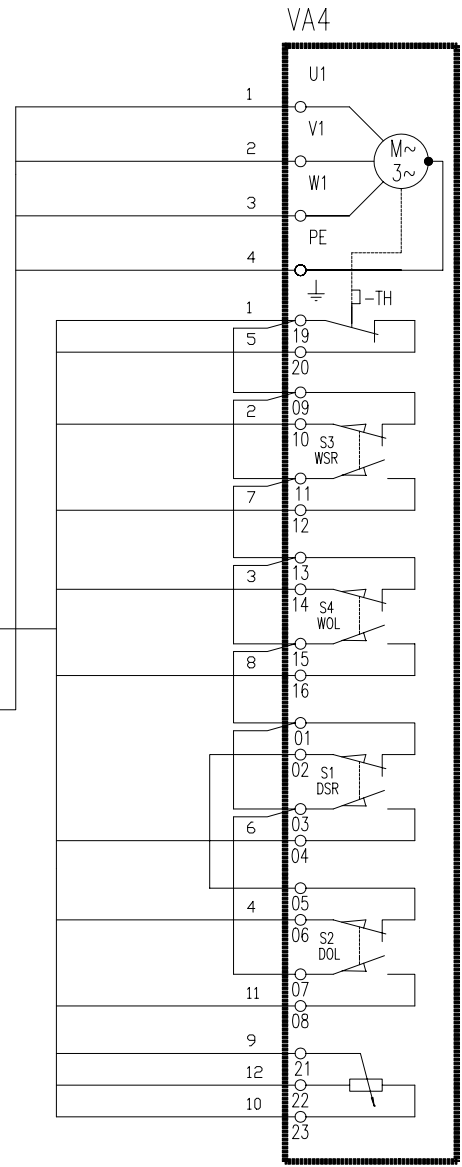
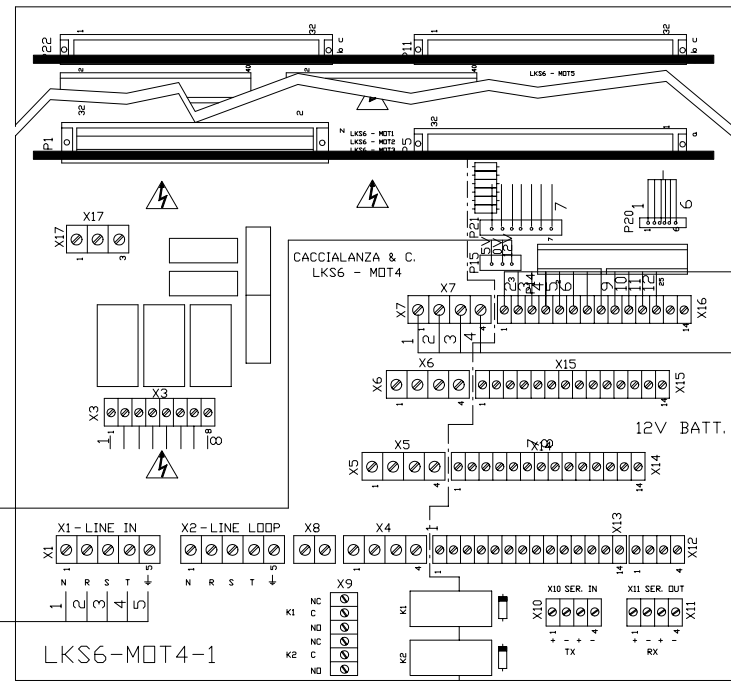
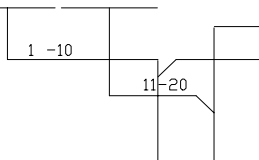
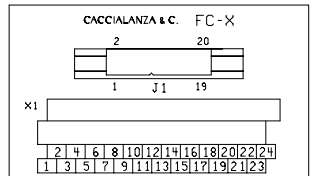


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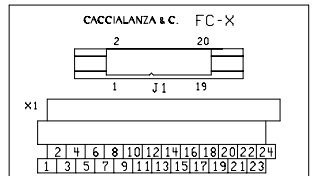
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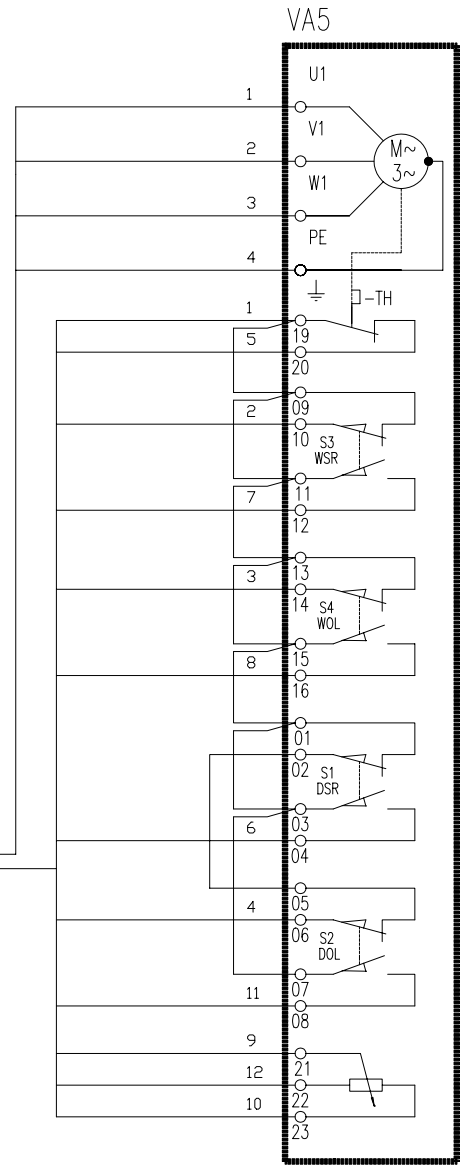
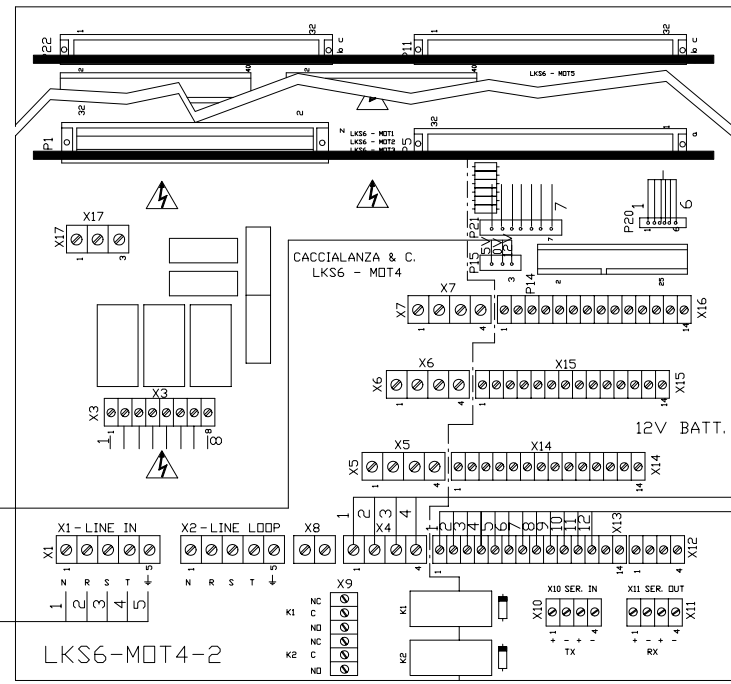


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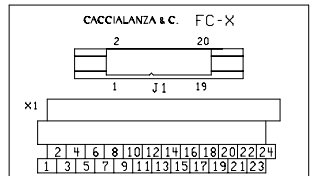


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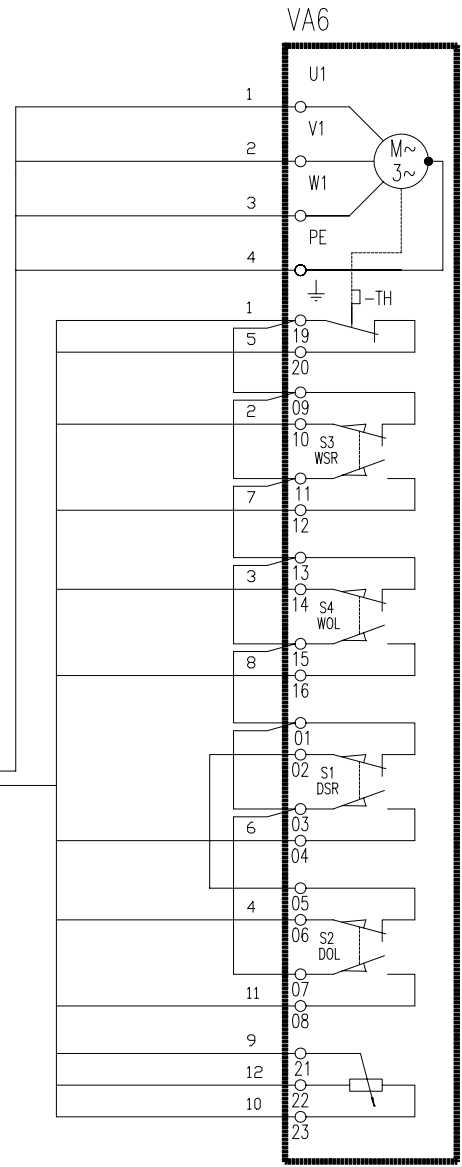
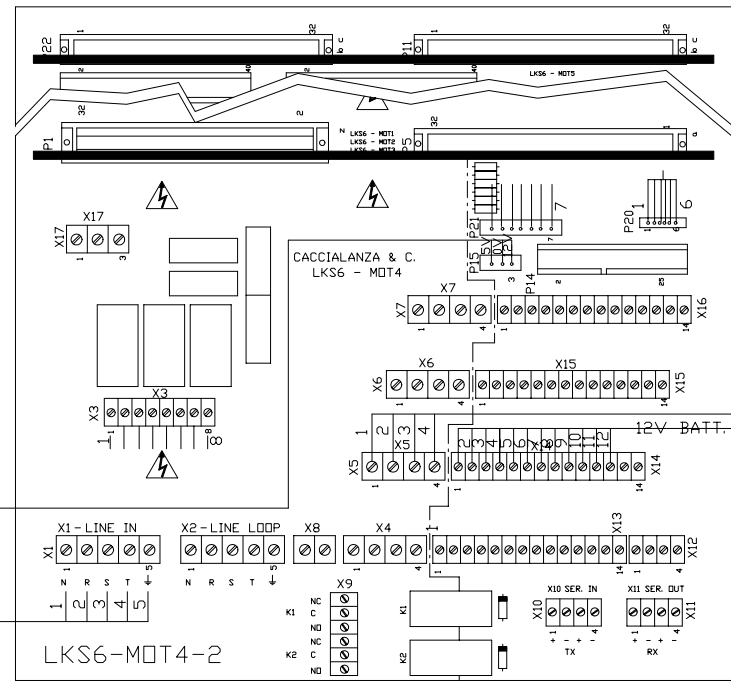


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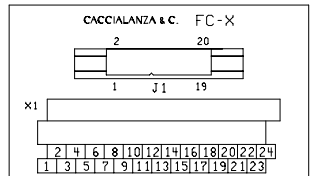


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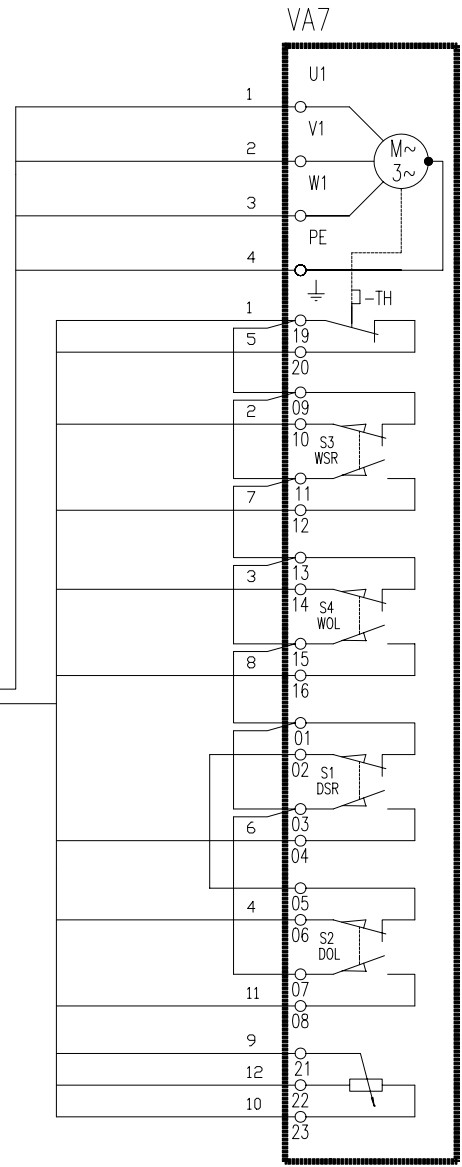
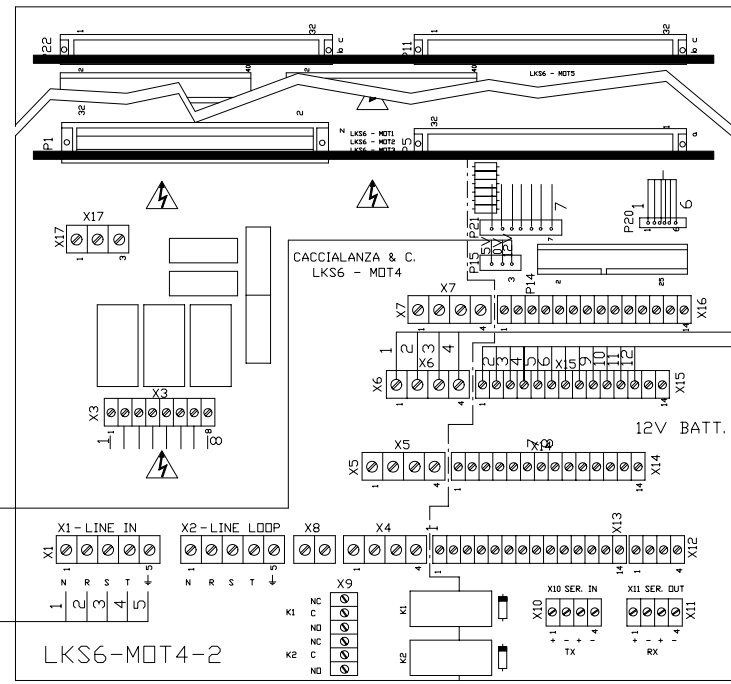


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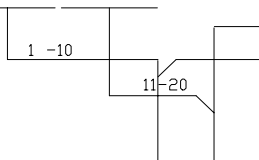
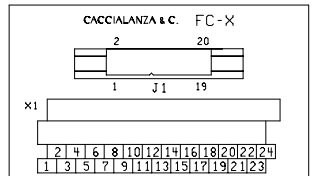
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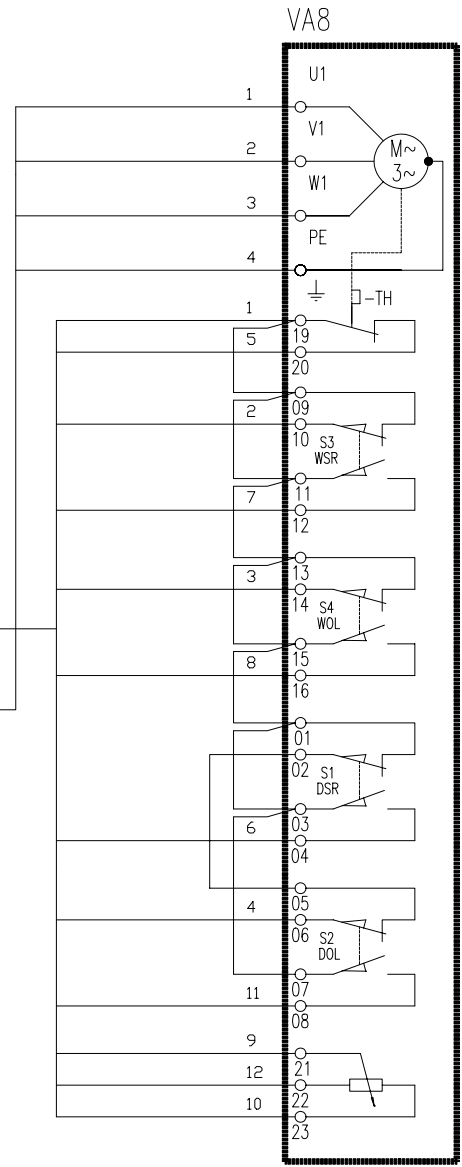
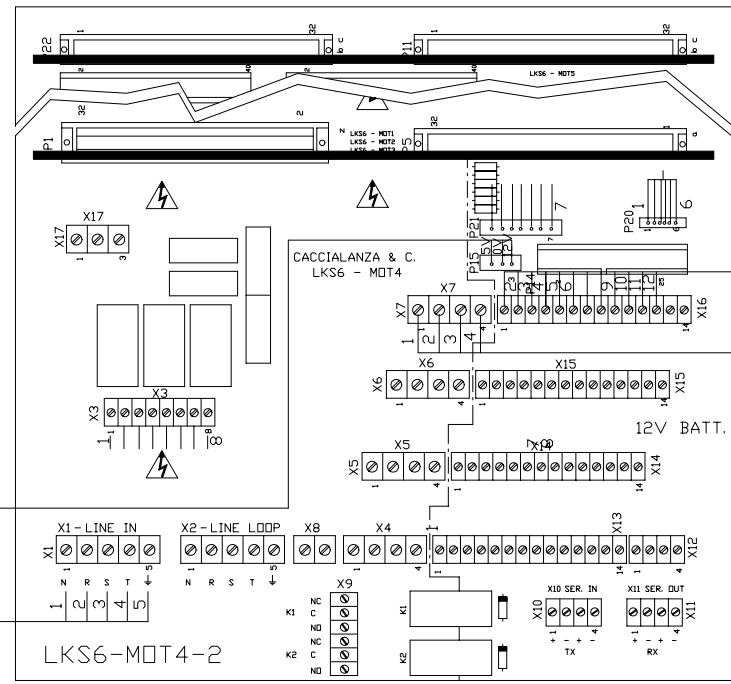
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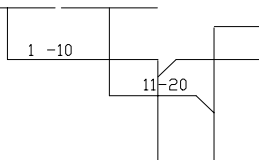
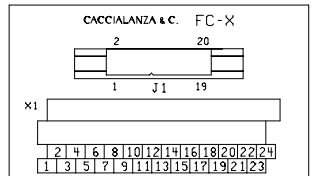


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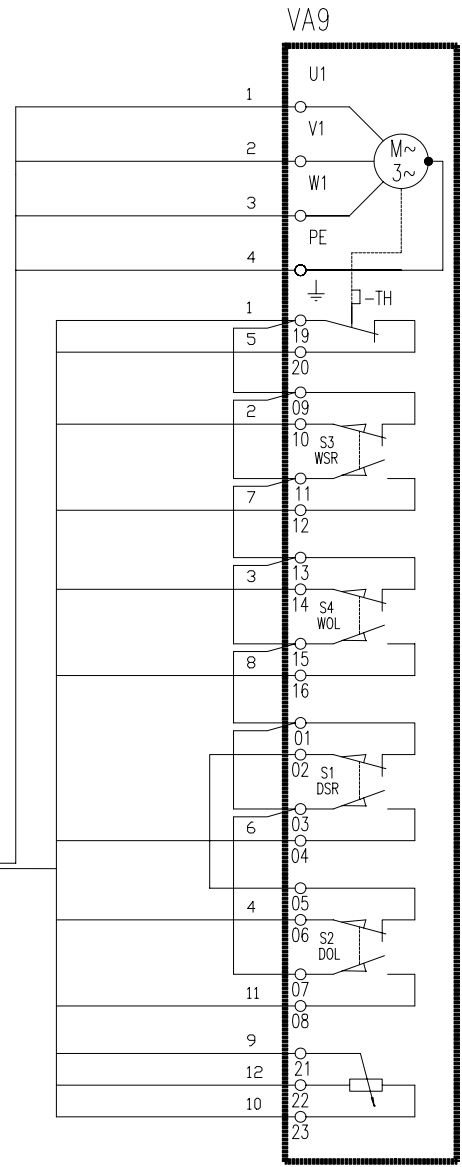
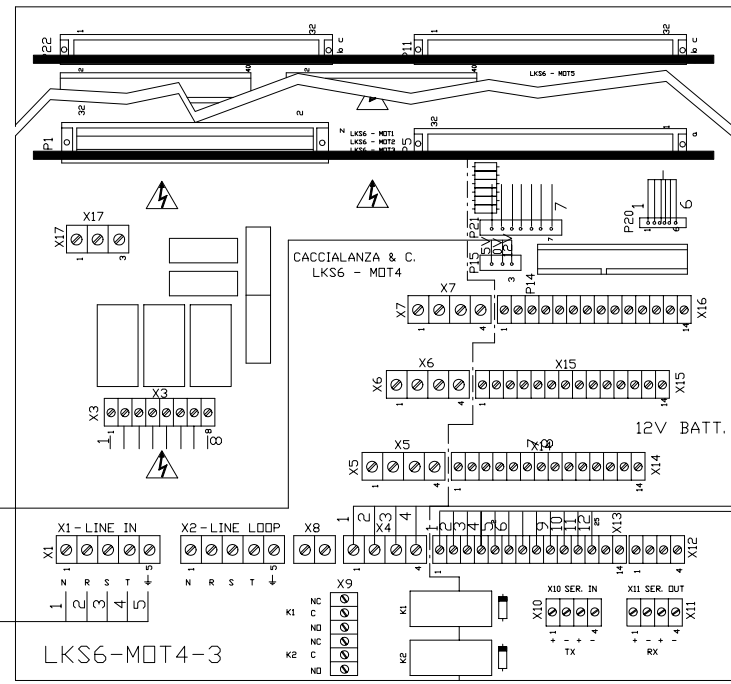
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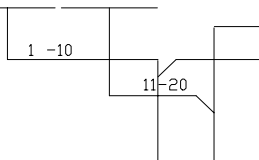
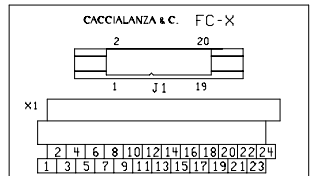


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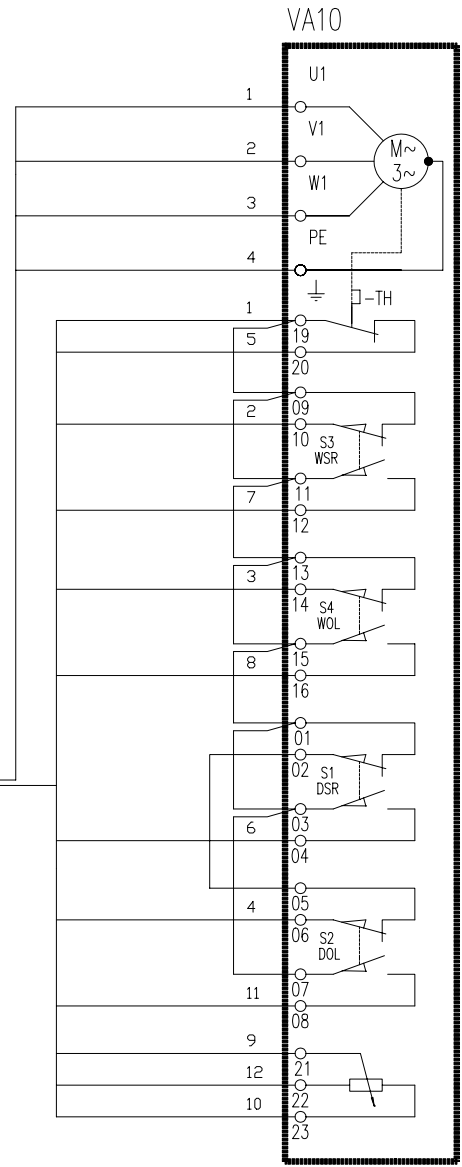
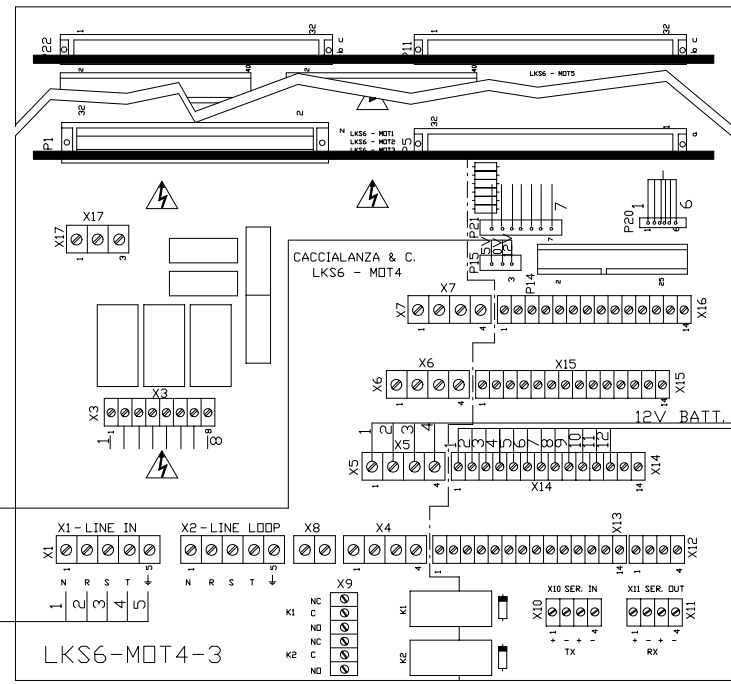
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SEE SHEET 9

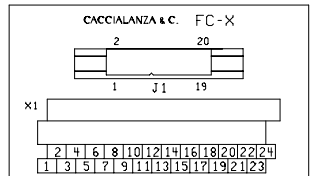


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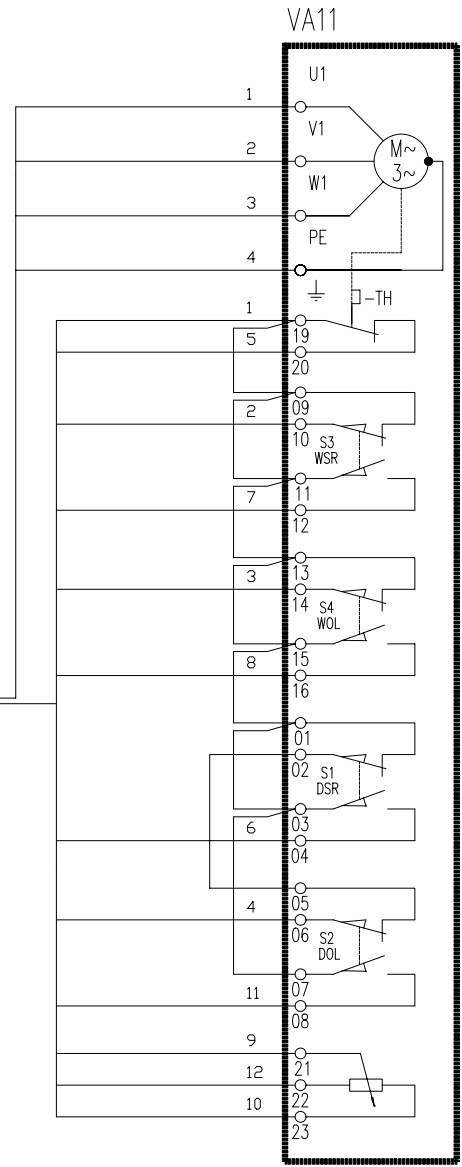
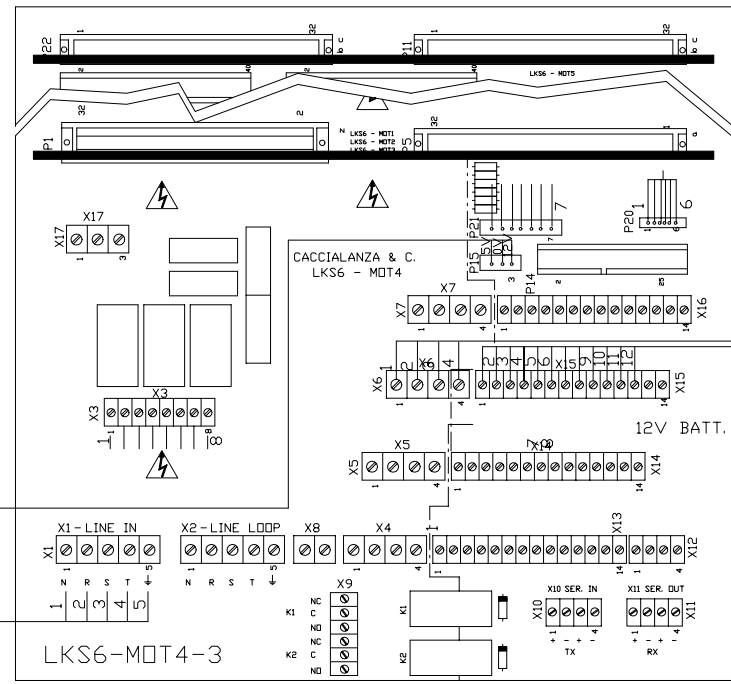
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SEE SHEET 9



OPEN/CLOSED

CACCIALANZA & C. s.p.a.
ANTINCENDIO SICUREZZA ANTINQUINAMENTO
SEGRATE (MILANO) - ITALY

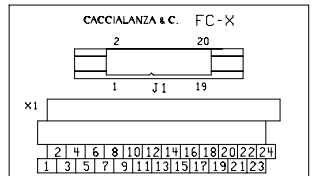
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PANEL 20 M.D. VALVES
TYPE A3-A4-A6-A8/EL

CLIENT

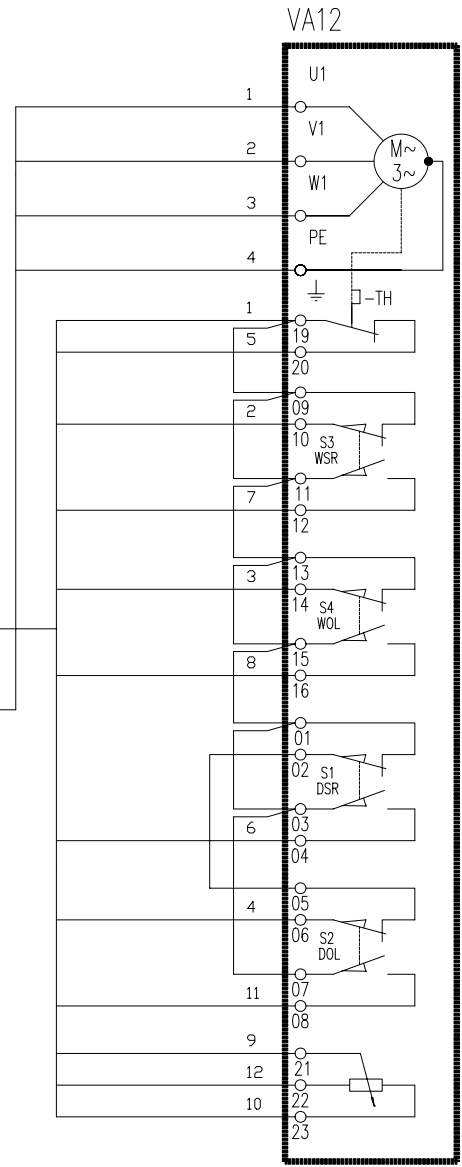
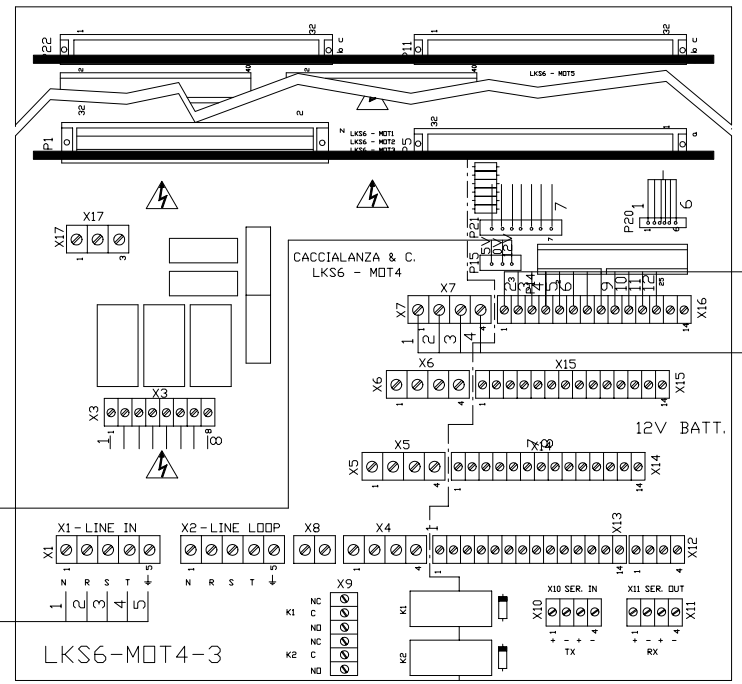
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DWG N°	46413591
PROJECT N°	
SHEET N°	20 OF 30

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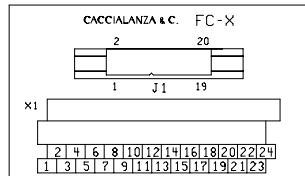


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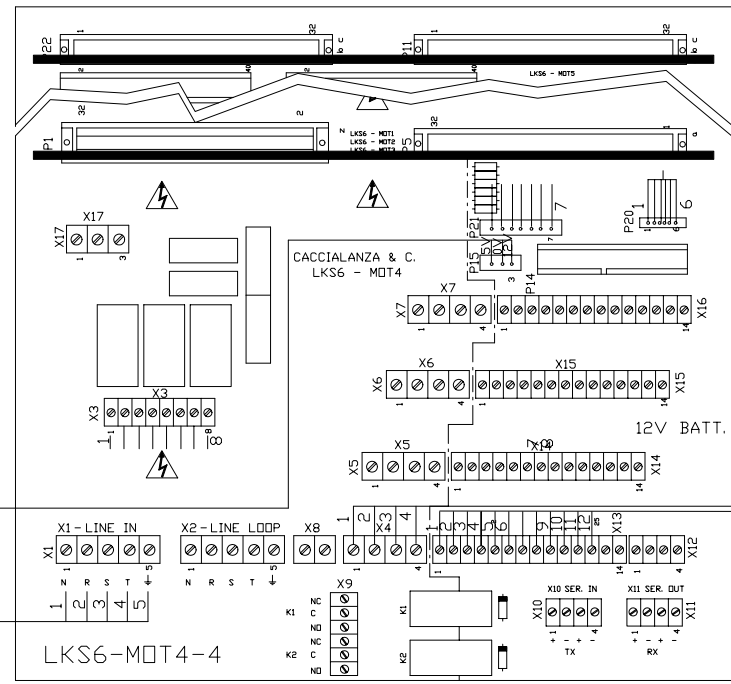
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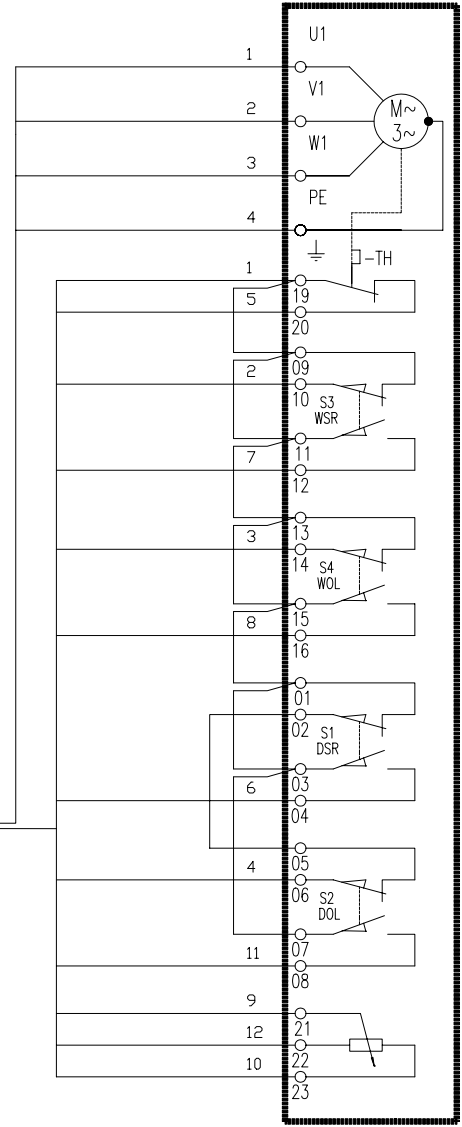
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VA13



OPEN/CLOSED

CACCIALANZA & C. s.p.a.
ANTINCENDIO SICUREZZA ANTINQUINAMENTO
SEGRATE (MILANO) - ITALY

TITLE
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TYPE A3-A4-A6-A8/EL

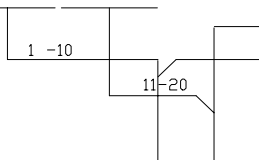
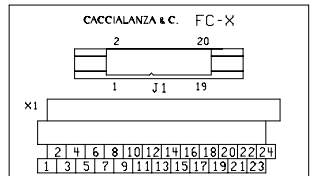
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SCALE
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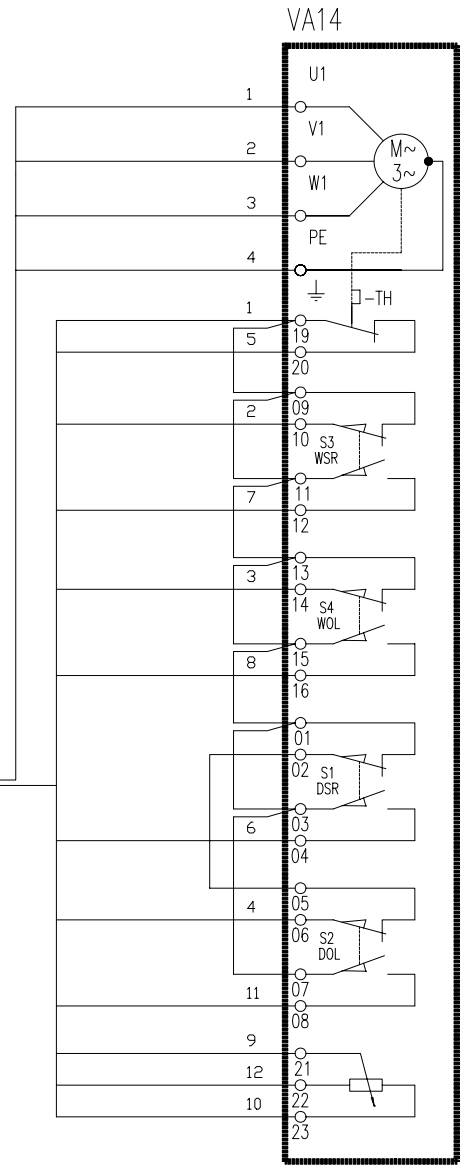
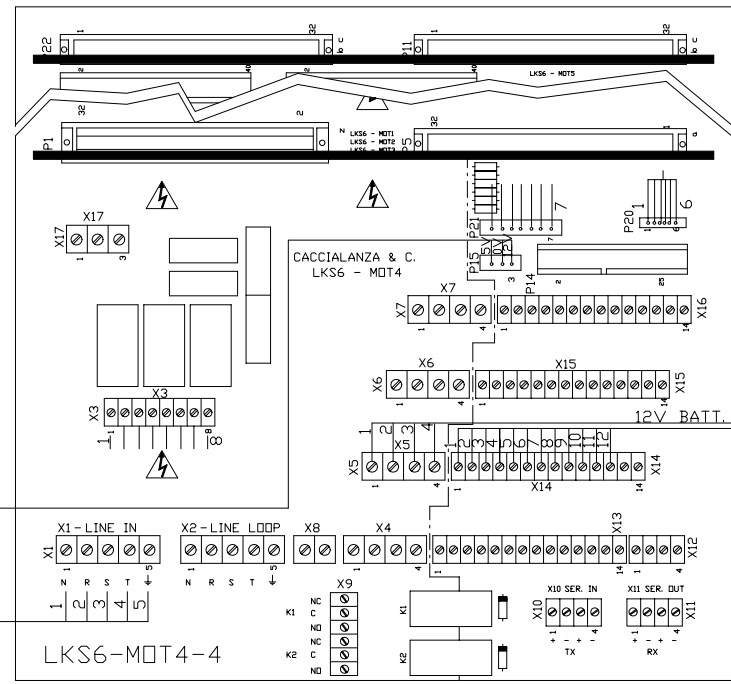
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PROJECT N°
SHEET N. 22 OF 30

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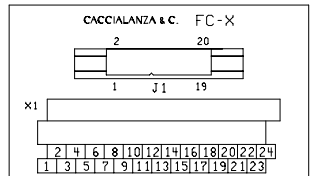


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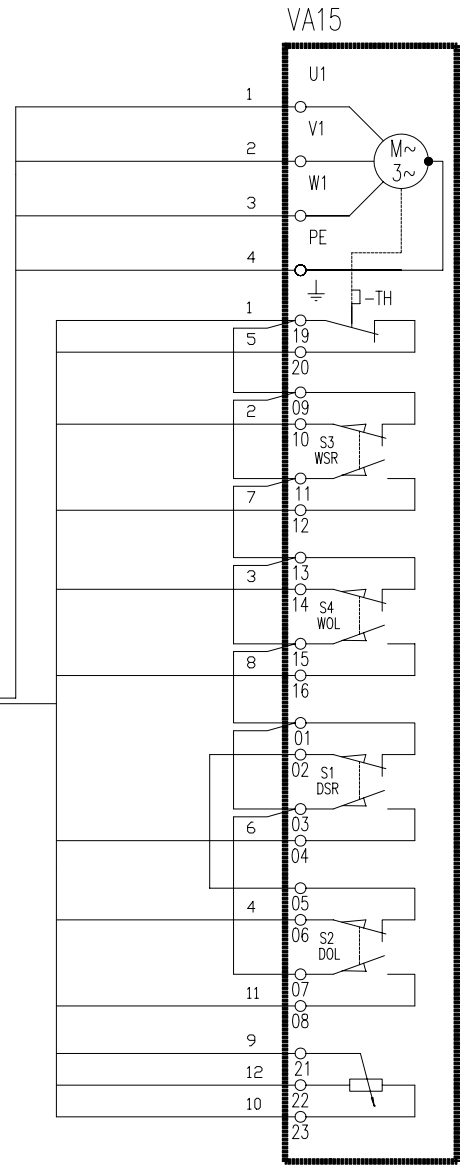
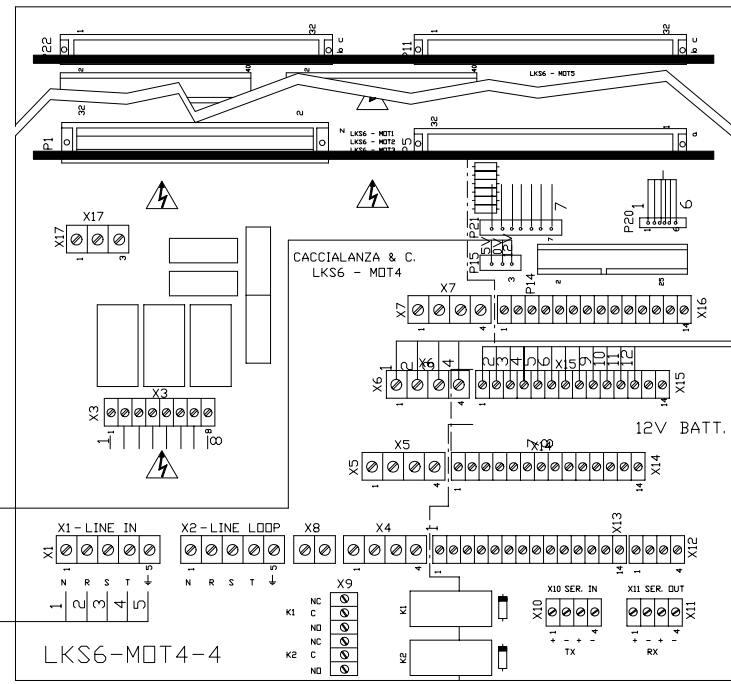


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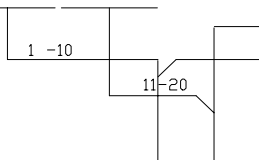
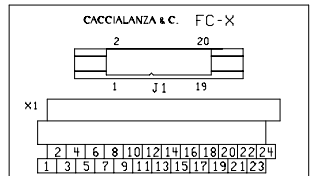


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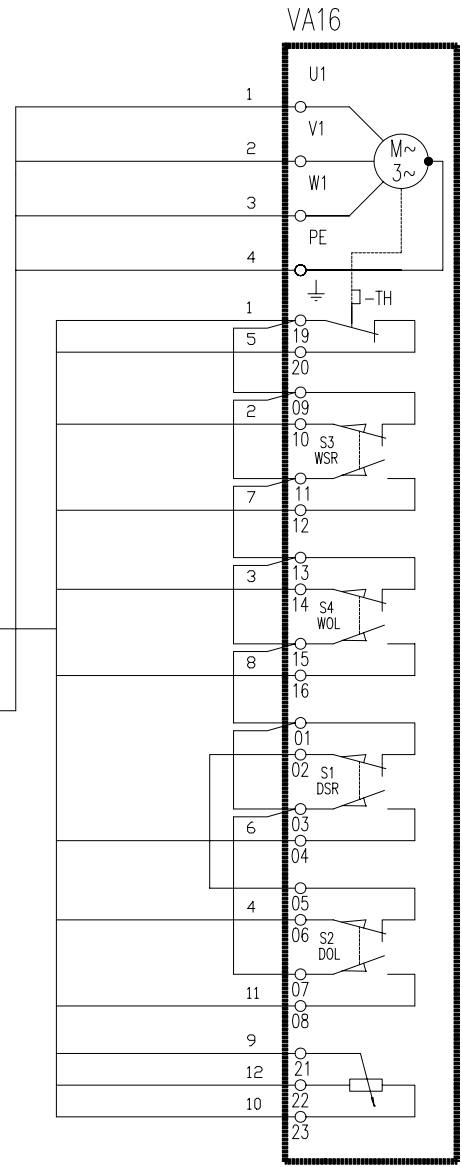
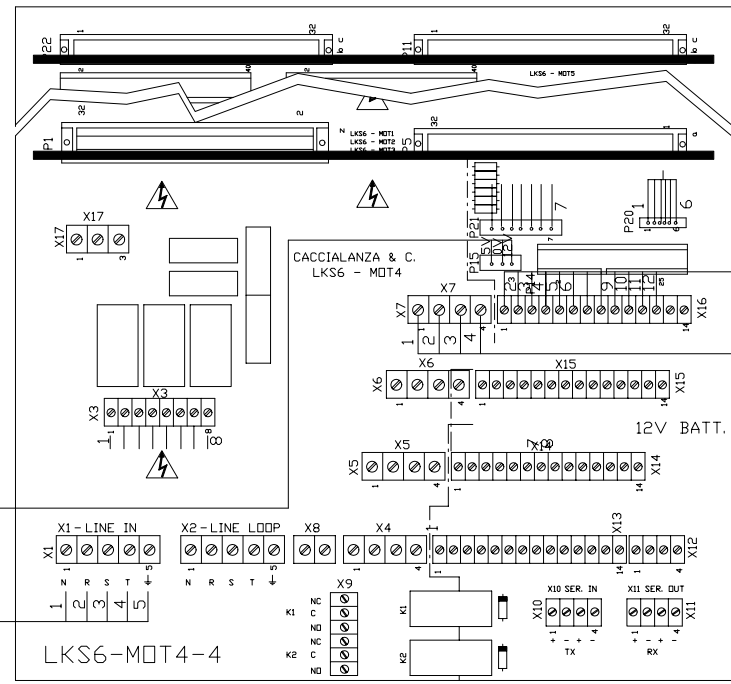


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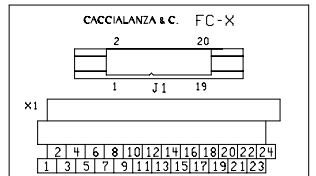


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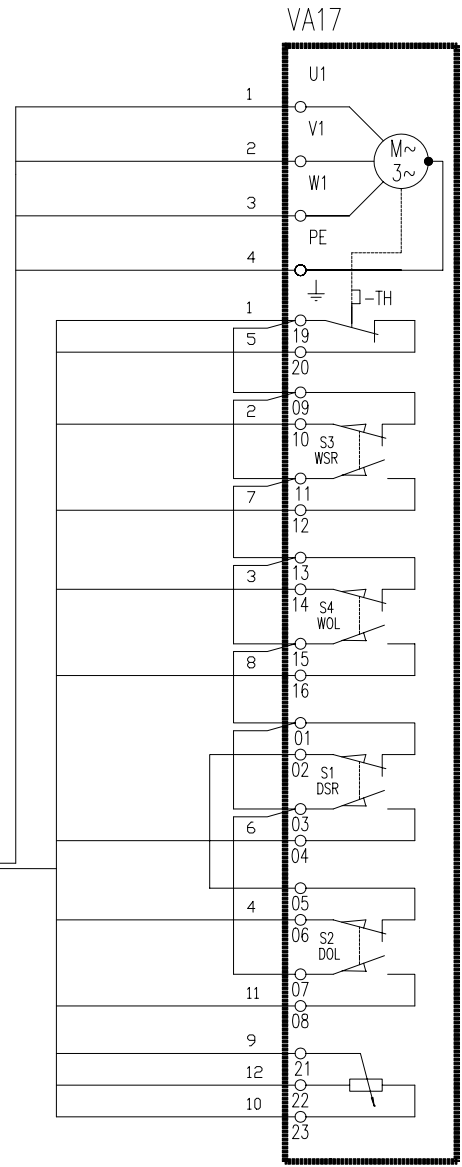
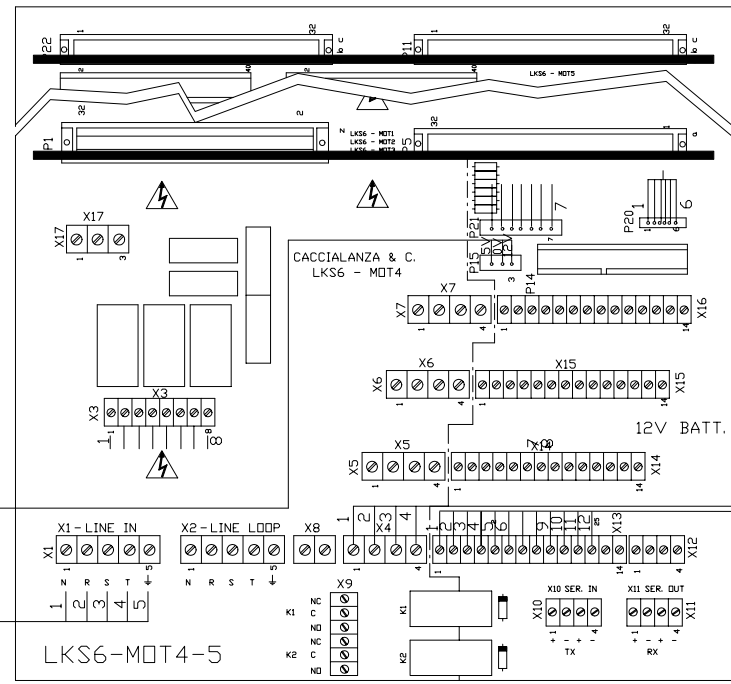
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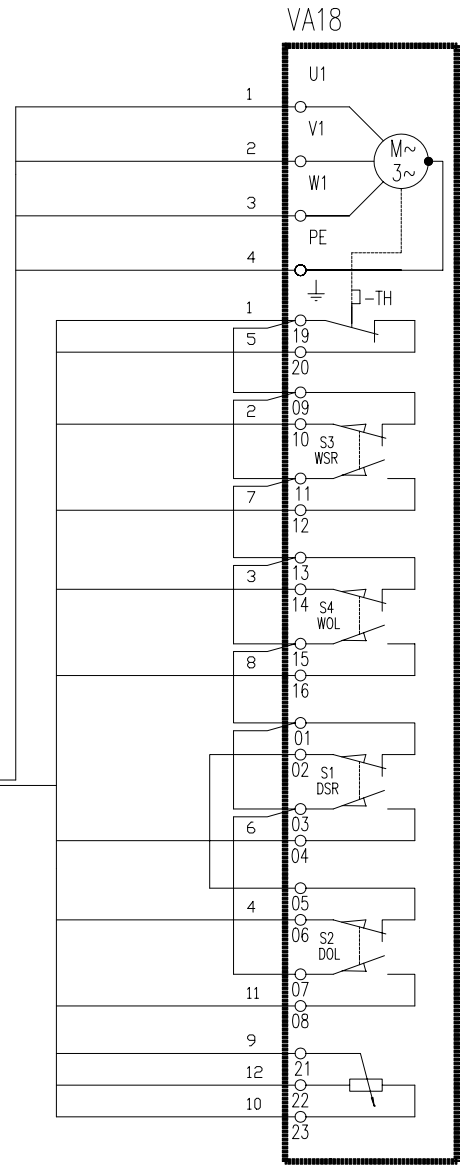
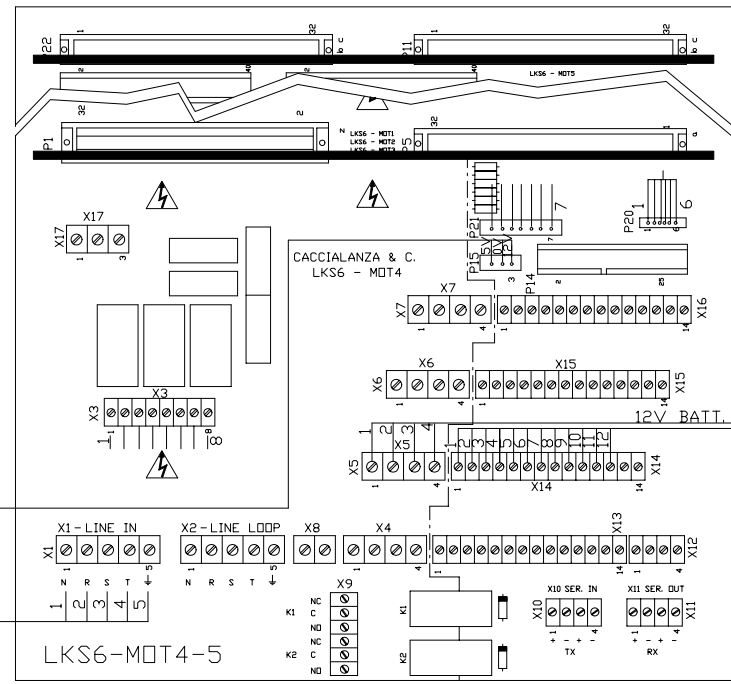
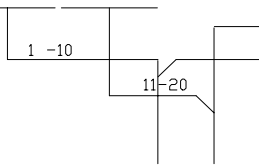
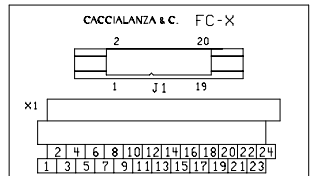


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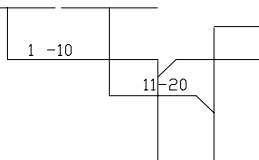
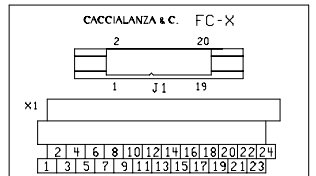
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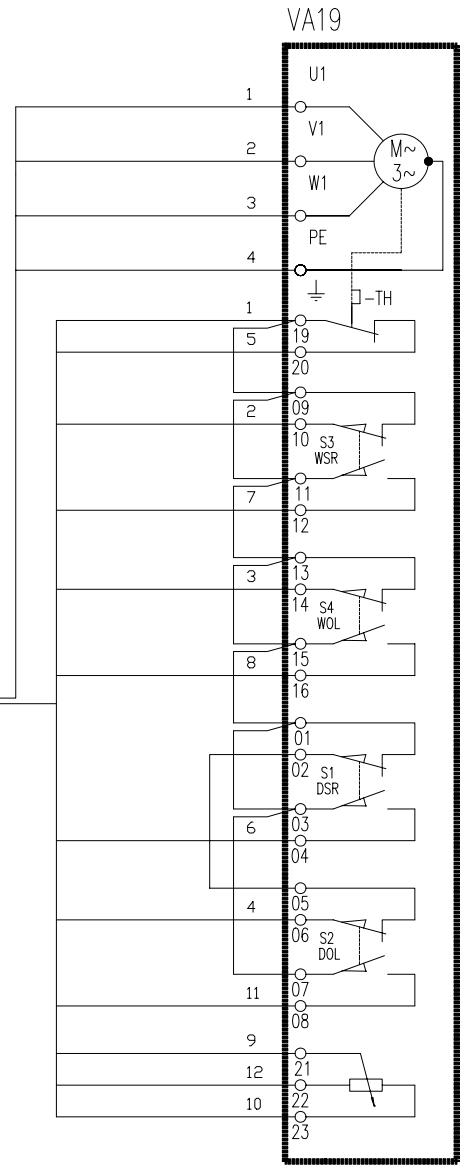
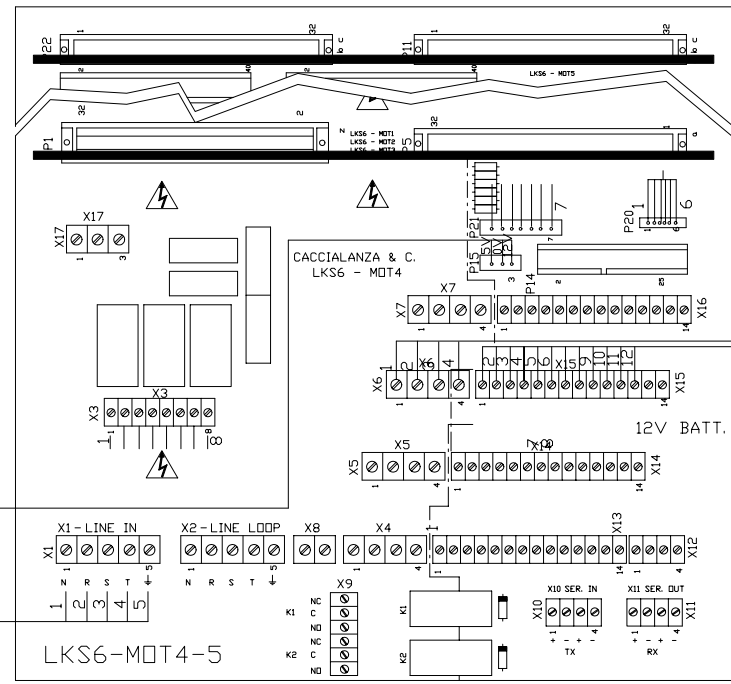


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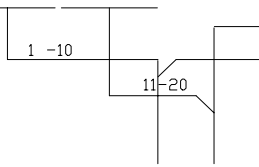
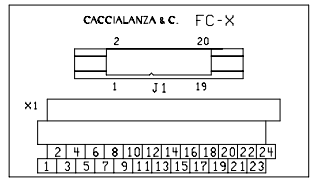


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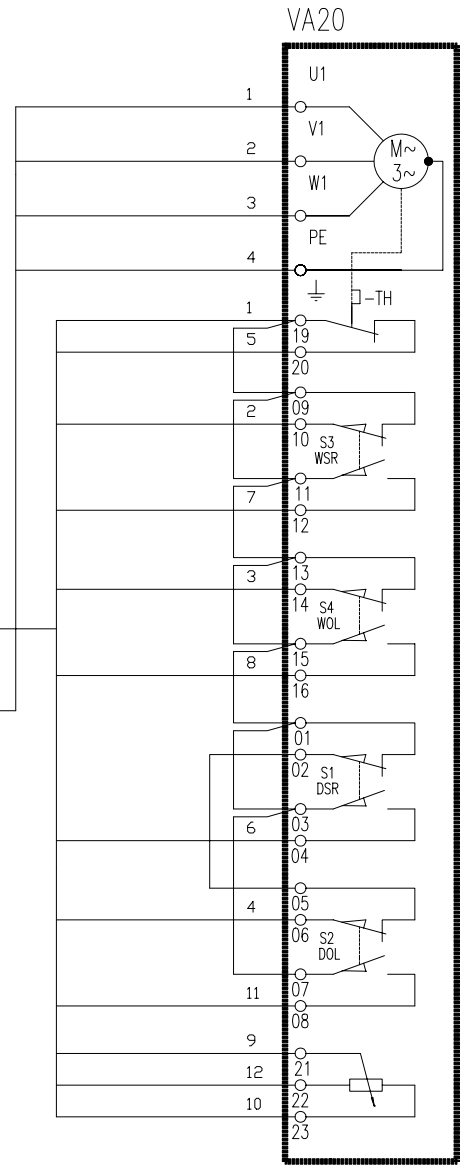
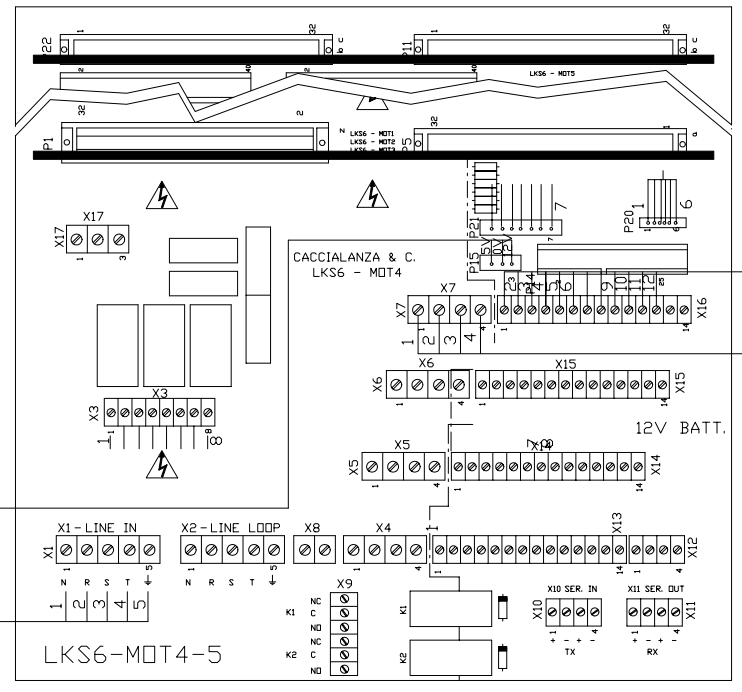
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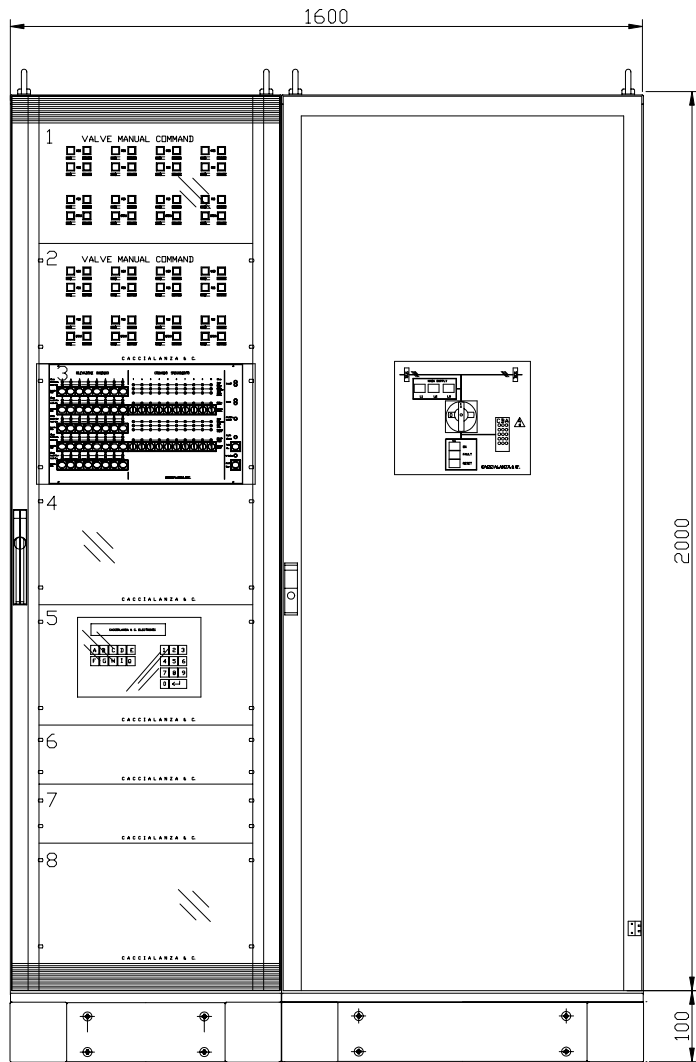


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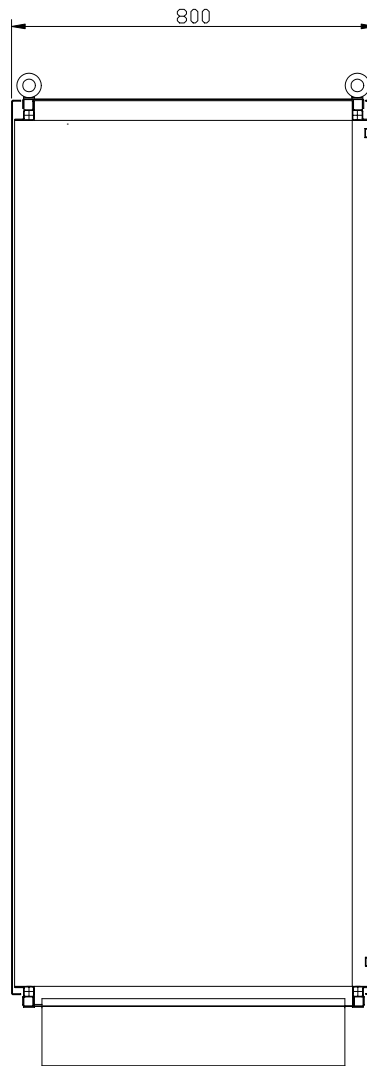


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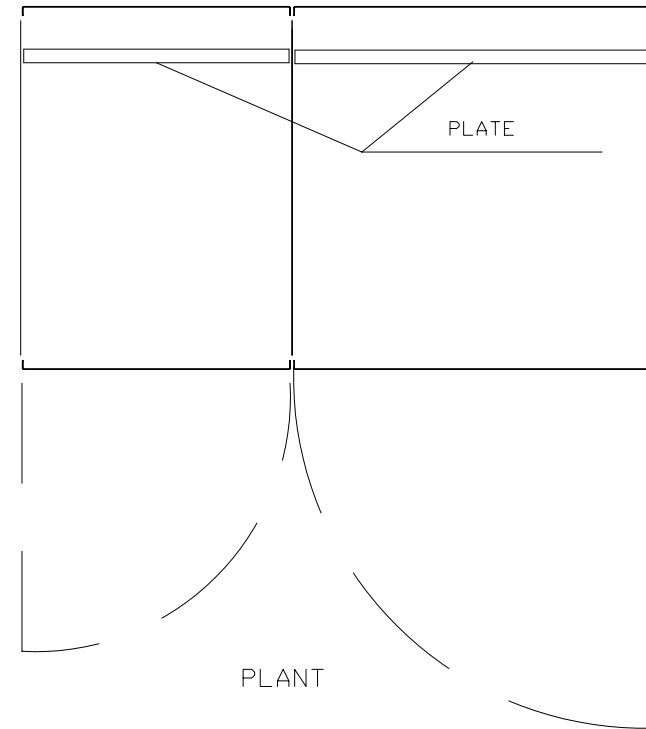
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FRONT PANEL



FRONT PANEL



LEGEND

- 1 = RACK 6U MANUAL COMMAND FOR VALVES (MOT15)
- 2 = RACK 6U MANUAL COMMAND FOR VALVES (MOT15)
- 3 = RACK 6U 44-43/44-47 FIRE ALARM, EXTINGUISHING AND TECHNOLOGICAL
- 4 = RACK 6U 70- AUXILIARY POWER SUPPLY 12V
- 5 = RACK 6U 48-40 POWER SUPPLY AND DISPLAY KEYBOARD
- 6 = PANEL 6U
- 7 = PANEL 3U
- 8 = PANEL 6U

		DATE	11.02.02	DWG N°	46413591
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