

JOB: 1E35

SULPHUREX

L.V. POWER DISTRIBUTION BOARD 90.LVB.1

(DESMET BALLESTRA SUPPLY)

WIRING DIAGRAMS

INDEX - TAGS LIST

EQUIPMENTS LIST - TERMINAL STRIP



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Drawing supplier 10.CC1K2544.E01	Rev. 1					
Drawing 1E35-75-001	Sheets 1 of 170					
Plant SULPHUREX			1 AFTER TEST		A. EMONTE	03/05/2010
			0 FIRST ISSUE		A. EMONTE	16/02/2010
	Rev.		Issue description		Author	Date

Sheet	Revisions					
	Description	0	1	2	3	
001	COVER PAGE (EXCEL 2000 Program)	x	x			
002	INDEX (EXCEL 2000 Program)	x	x			
003	INDEX (EXCEL 2000 Program)	x	x			
004	INDEX (EXCEL 2000 Program)	x	x			
005	INDEX (EXCEL 2000 Program)	x	x			
006	SYMBOL LIST	x	x			
007	TOPOGRAPHIC VIEW	x	x			
008	FRONT VIEW	x	x			
009	FRONT VIEW	x	x			
010	REAR VIEW	x	x			
011	REAR VIEW	x	x			
012	AVAILABLE	x	x			
013	AVAILABLE	x	x			
014	INTERNAL VIEW	x	x			
015	INTERNAL VIEW	x	x			
016	INTERNAL VIEW	x	x			
017	INTERNAL VIEW	x	x			
018	AVAILABLE	x	x			
019	AVAILABLE	x	x			
020	PLATES LIST (EXCEL 2000 Program)	x	x			
021	PLATES LIST (EXCEL 2000 Program)	x	x			
022	PLATES LIST (EXCEL 2000 Program)	x	x			
023	PLATES LIST (EXCEL 2000 Program)	x	x			
024	PLATES LIST (EXCEL 2000 Program)	x	x			
025	PLATES LIST (EXCEL 2000 Program)	x	x			
026	AVAILABLE	x	x			
027	AVAILABLE	x	x			
028	AVAILABLE	x	x			
029	ONE LINE DIAGRAM	x	x			
030	ONE LINE DIAGRAM	x	x			
031	ONE LINE DIAGRAM	x	x			
032	ONE LINE DIAGRAM	x	x			
033	ONE LINE DIAGRAM	x	x			
034	ONE LINE DIAGRAM	x	x			
035	ONE LINE DIAGRAM	x	x			
036	ONE LINE DIAGRAM	x	x			
037	ONE LINE DIAGRAM	x	x			
038	ONE LINE DIAGRAM	x	x			
039	ONE LINE DIAGRAM	x	x			
040	AVAILABLE	x	x			
041	AVAILABLE	x	x			
042	AVAILABLE	x	x			
043	AVAILABLE	x	x			
044	AVAILABLE	x	x			
045	AVAILABLE	x	x			

Sheet	Revisions					
	Description	0	1	2	3	
046	+1.A.A INCOMING LINE 380/220-50Hz	x	x			
047	+2.A.B (A) GENERAL SERVICES 220V 50Hz	x	x			
048	+2.A.B (B) GENERAL SERVICES 220V 50Hz	x	x			
049	+2.A.C AUXILIARY SERVICES 110/24V	x	x			
050	+2.A.D WIRING DIAGRAM KU 11.1	x	x			
051	+2.A.E WIRING DIAGRAM KU 12.1	x	x			
052	+2.A.F WIRING DIAGRAM KU 14.1	x	x			
053	+2.A.G WIRING DIAGRAM BK 12.1	x	x			
054	+2.A.H WIRING DIAGRAM 90.CAB.1	x	x			
055	AVAILABLE	x	x			
056	+3.A.A (A) WIRING DIAGRAM M 12K1	x	x			
057	+3.A.A (B) WIRING DIAGRAM M 12K1	x	x			
058	+3.A.B (A) WIRING DIAGRAM M 11P1	x	x			
059	+3.A.B (B) WIRING DIAGRAM M 11P1	x	x			
060	+3.A.C (A) WIRING DIAGRAM M 11P2	x	x			
061	+3.A.C (B) WIRING DIAGRAM M 11P2	x	x			
062	+3.A.D WIRING DIAGRAM XL 16.1	x	x			
063	AVAILABLE	x	x			
064	+4.A.A (A) WIRING DIAGRAM M 11K2	x	x			
065	+4.A.A (B) WIRING DIAGRAM M 11K2	x	x			
066	+4.A.B (A) WIRING DIAGRAM M 16P1	x	x			
067	+4.A.B (B) WIRING DIAGRAM M 16P1	x	x			
068	+5.A.A (A) WIRING DIAGRAM M 16P2	x	x			
069	+5.A.A (B) WIRING DIAGRAM M 16P2	x	x			
070	+5.A.B (A) WIRING DIAGRAM M 16P3	x	x			
071	+5.A.B (B) WIRING DIAGRAM M 16P3	x	x			
072	+5.A.C (A) WIRING DIAGRAM M 14K1	x	x			
073	+5.A.C (B) WIRING DIAGRAM M 14K1	x	x			
074	+6.A.A (A) WIRING DIAGRAM M 11K1	x	x			
075	+6.A.A (B) WIRING DIAGRAM M 11K1	x	x			
076	AVAILABLE	x	x			
077	AVAILABLE	x	x			
078	+5.B.A (A) WIRING DIAGRAM M 16P4	x	x			
079	+5.B.A (B) WIRING DIAGRAM M 16P4	x	x			
080	+5.B.B (A) WIRING DIAGRAM M 16A1	x	x			
081	+5.B.B (B) WIRING DIAGRAM M 16A1	x	x			
082	+5.B.C (A) WIRING DIAGRAM M 16MX2	x	x			
083	+5.B.C (B) WIRING DIAGRAM M 16MX2	x	x			
084	+4.B.A (A) WIRING DIAGRAM M25P1/M25P2	x	x			
085	+4.B.A (B) WIRING DIAGRAM M25P1/M25P2	x	x			
086	+4.B.A (C) WIRING DIAGRAM M25P1/M25P2	x	x			
087	+4.B.A (D) WIRING DIAGRAM M25P1/M25P2	x	x			
088	+4.B.B (A) WIRING DIAGRAM M 06P1	x	x			
089	+4.B.B (B) WIRING DIAGRAM M 06P1	x	x			
090	+4.B.C (A) WIRING DIAGRAM M 06P2	x	x			

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 desmet ballestra	Drawing supplier 10.CC1K2544.E01	Rev. 1	Plant SULPHUREX				
				1	AFTER TEST	A. EMONTE	03/05/2010
	Drawing 1E35-75-001	Sheet 2	Drawing's title INDEX	0	FIRST ISSUE	A. EMONTE	16/02/2010
				Revision	Issue description	Author	Date

Sheet	Revisions				
	Description	0	1	2	3
091	+4B.C (B) WIRING DIAGRAM M 06P2	x	x		
092	+4B.D (A) WIRING DIAGRAM M 06P3	x	x		
093	+4B.D (B) WIRING DIAGRAM M 06P3	x	x		
094	+3B.A (A) WIRING DIAGRAM M 33P1	x	x		
095	+3B.A (B) WIRING DIAGRAM M 33P1	x	x		
096	+3B.B (A) WIRING DIAGRAM M 33P2	x	x		
097	+3B.B (B) WIRING DIAGRAM M 33P2	x	x		
098	+3B.C (A) WIRING DIAGRAM M 33P3	x	x		
099	+3B.C (B) WIRING DIAGRAM M 33P3	x	x		
100	+3B.D (A) WIRING DIAGRAM M 33P4	x	x		
101	+3B.D (B) WIRING DIAGRAM M 33P4	x	x		
102	+2B.A (A) WIRING DIAGRAM M 33P6	x	x		
103	+2B.A (B) WIRING DIAGRAM M 33P6	x	x		
104	+2B.B (A) WIRING DIAGRAM M 33P7	x	x		
105	+2B.B (B) WIRING DIAGRAM M 33P7	x	x		
106	+2B.C (A) WIRING DIAGRAM M 33P8	x	x		
107	+2B.C (B) WIRING DIAGRAM M 33P8	x	x		
108	+2B.D (A) WIRING DIAGRAM M 33P5	x	x		
109	+2B.D (B) WIRING DIAGRAM M 33P5	x	x		
110	+2B.E (A) WIRING DIAGRAM M 33MX1	x	x		
111	+2B.E (B) WIRING DIAGRAM M 33MX1	x	x		
112	+1B.A (A) WIRING DIAGRAM M 33D1	x	x		
113	+1B.A (B) WIRING DIAGRAM M 33D1	x	x		
114	+1B.B (A) WIRING DIAGRAM M 33A1	x	x		
115	+1B.B (B) WIRING DIAGRAM M 33A1	x	x		
116	+1B.C (A) WIRING DIAGRAM M 33A2	x	x		
117	+1B.C (B) WIRING DIAGRAM M 33A2	x	x		
118	AVAILABLE	x	x		
119	AVAILABLE	x	x		
120	TERMINAL STRIP 1A.A-B-C - XT	x	x		
121	TERMINAL STRIP +2A.D - XT	x	x		
122	TERMINAL STRIP +2A.E - XT	x	x		
123	TERMINAL STRIP +2A.F - XT	x	x		
124	TERMINAL STRIP +2A.G - XT	x	x		
125	TERMINAL STRIP +2A.H - XT	x	x		
126	TERMINAL STRIP +3A.A - XT	x	x		
127	TERMINAL STRIP +3A.B - XT	x	x		
128	TERMINAL STRIP +3A.C - XT	x	x		
129	TERMINAL STRIP +3A.D - XT	x	x		
130	TERMINAL STRIP +4A.A - XT	x	x		
131	TERMINAL STRIP +4A.B - XT	x	x		
132	TERMINAL STRIP +5A.A - XT	x	x		
133	TERMINAL STRIP +5A.B - XT	x	x		
134	TERMINAL STRIP +5A.C - XT	x	x		
135	TERMINAL STRIP +6A.A - XT	x	x		

Sheet	Revisions				
	Description	0	1	2	3
136	TERMINAL STRIP +5B.A - XT	x	x		
137	TERMINAL STRIP +5B.B - XT	x	x		
138	TERMINAL STRIP +5B.C - XT	x	x		
139	TERMINAL STRIP +4B.A - XT	x	x		
140	TERMINAL STRIP +4B.A - XT	x	x		
141	TERMINAL STRIP +4B.B - XT	x	x		
142	TERMINAL STRIP +4B.C - XT	x	x		
143	TERMINAL STRIP +4B.D - XT	x	x		
144	TERMINAL STRIP +3B.A - XT	x	x		
145	TERMINAL STRIP +3B.B - XT	x	x		
146	TERMINAL STRIP +3B.C - XT	x	x		
147	TERMINAL STRIP +3B.D - XT	x	x		
148	TERMINAL STRIP +2B.A - XT	x	x		
149	TERMINAL STRIP +2B.B - XT	x	x		
150	TERMINAL STRIP +2B.C - XT	x	x		
151	TERMINAL STRIP +2B.D - XT	x	x		
152	TERMINAL STRIP +2B.E - XT	x	x		
153	TERMINAL STRIP +1B.A - XT	x	x		
154	TERMINAL STRIP +1B.B - XT	x	x		
155	TERMINAL STRIP +1B.C - XT	x	x		
156	EQUIPMENT LIST (EXCEL 2000 Program)	x	x		
157	EQUIPMENT LIST (EXCEL 2000 Program)	x	x		
158	EQUIPMENT LIST (EXCEL 2000 Program)	x	x		
159	EQUIPMENT LIST (EXCEL 2000 Program)	x	x		
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163	EQUIPMENT LIST (EXCEL 2000 Program)	x	x		
164	EQUIPMENT LIST (EXCEL 2000 Program)	x	x		
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 desmet ballestra	Drawing supplier 10.CC1K2544.E01	Rev. 1	Plant SULPHUREX				
		Sheet 3		Drawing's title INDEX	1 AFTER TEST	A. EMONTE 03/05/2010	
		Next 4		0 FIRST ISSUE	A. EMONTE 16/02/2010		
				Revision	Issue description	Author Date	

Sheet	Revisions				
	Description	0	1	2	3
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 desmet ballestra	Drawing supplier 10.CC1K2544.E01	Rev. 1	Plant SULPHUREX			
	Drawing 1E35-75-001	Sheet 4	Drawing's title INDEX	1	AFTER TEST	A. EMONTE 03/05/2010
		Next 5		0	FIRST ISSUE	A. EMONTE 16/02/2010
				Revision	Issue description	Author Date

Sheet	Revisions				
	Description	0	1	2	3
271					
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Sheet	Revisions				
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 desmet ballestra	Drawing supplier 10.CC1K2544.E01	Rev. 1	Plant SULPHUREX			
	Drawing 1E35-75-001	Sheet 5	Drawing's title INDEX	1	AFTER TEST	A. EMONTE 03/05/2010
				0	FIRST ISSUE	A. EMONTE 16/02/2010
		Next 6		Revision	Issue description	Author Date

A	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
		F FUSE		K CONTACTOR		S OPERATED BY TURNING		R RESISTOR
B		Q DISCONNECTOR		K OPERATING DEVICE		S OPERATED BY KEY		R SHUNT
C		Q SWITCH DISCONNECTOR		K BREAK AND MAKES AUXILIARY CONTACT		S 1- EMERGENCY PUSH-BUTTON 2- EMERGENCY PUSH-BUTTON LACTING		R HEATING ELEMENT
D		F SWITCH DISCONNECTOR WITH FUSE		Q K NORMALLY CLOSED AND NORMALLY OPEN MAKE CONTACTS		S BREAK AND MAKE CONTACT WITH SPRING RETURN		C CAPACITOR
E		F FUSE SWITCH DISCONNECTOR		F ACTUATING DEVICE OF A THERMAL RELAY		S SINGLE POLE N-POSITION SWITCH		V DIODE
F		Q CIRCUIT BREAKER		F SELF-OPERATING THERMAL SWITCH CONTACT		S LIMIT SWITCH BREAK CONTACT AND MAKE CONTACT		L INDUCTOR
G		Q CIRCUIT BREAKER WITH AUTOMATIC RELEASE, THERMAL AND ELECTROMAGNETIC OPERATION		K RELAY COIL OF A SLOW-OPERATING RELAY		H SIGNAL LAMP		T TRANSFORMER
H		Q CIRCUIT BREAKER WITH AUTOMATIC RELEASE, OPERATING BY DIFFERENTIAL CURRENT		K RELAY COIL OF A SLOW-RELEASING RELAY		H SIGNAL LAMP FLASHING TYPE		X TERMINAL STRIP
I						H INDICATOR ELECTROMECH.		X TERMINAL STRIP ON PLC
J				S 1- OPERATED BY HANDLE 2- OPERATED BY PUSHING		Y SOLENOID VALVE		X TERMINAL STRIP ON LOCAL PANELS
K								X TERMINAL STRIP ON OTHER BOARD

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Moditechs.r.l.

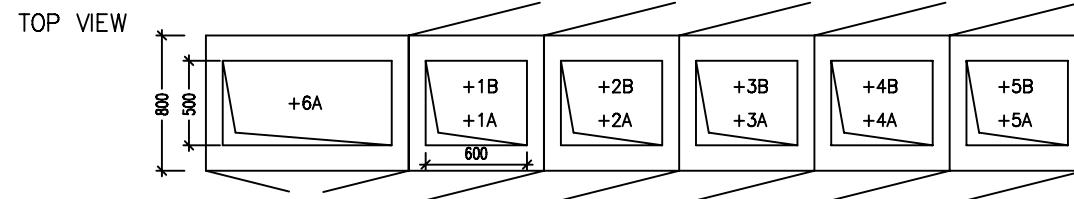
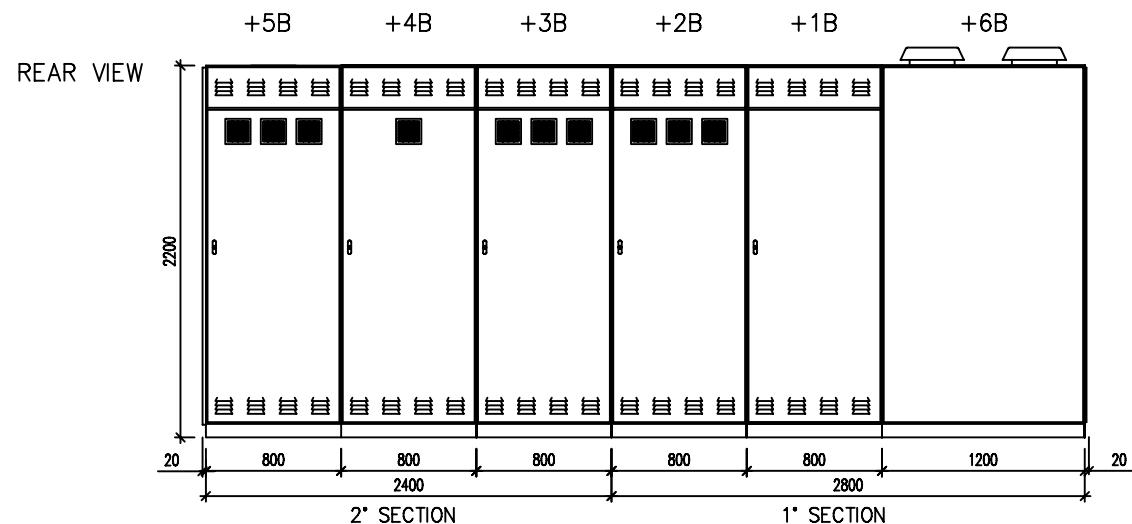
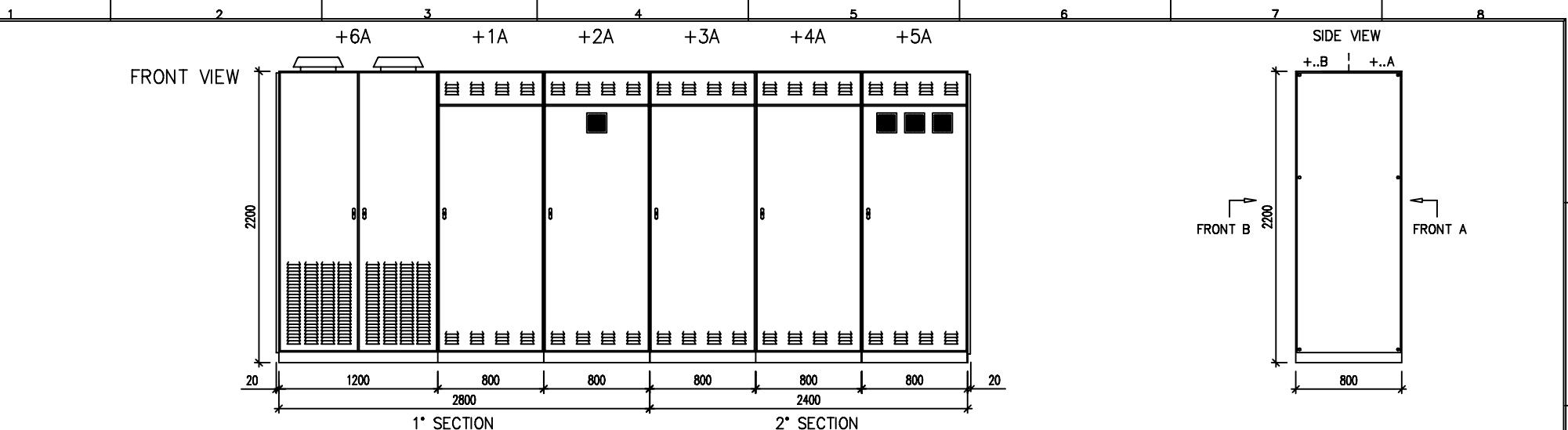
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Dis. 10.CC1K2544.E01

Job: 1E35 dwg. 1E35-75-001

sheet 006
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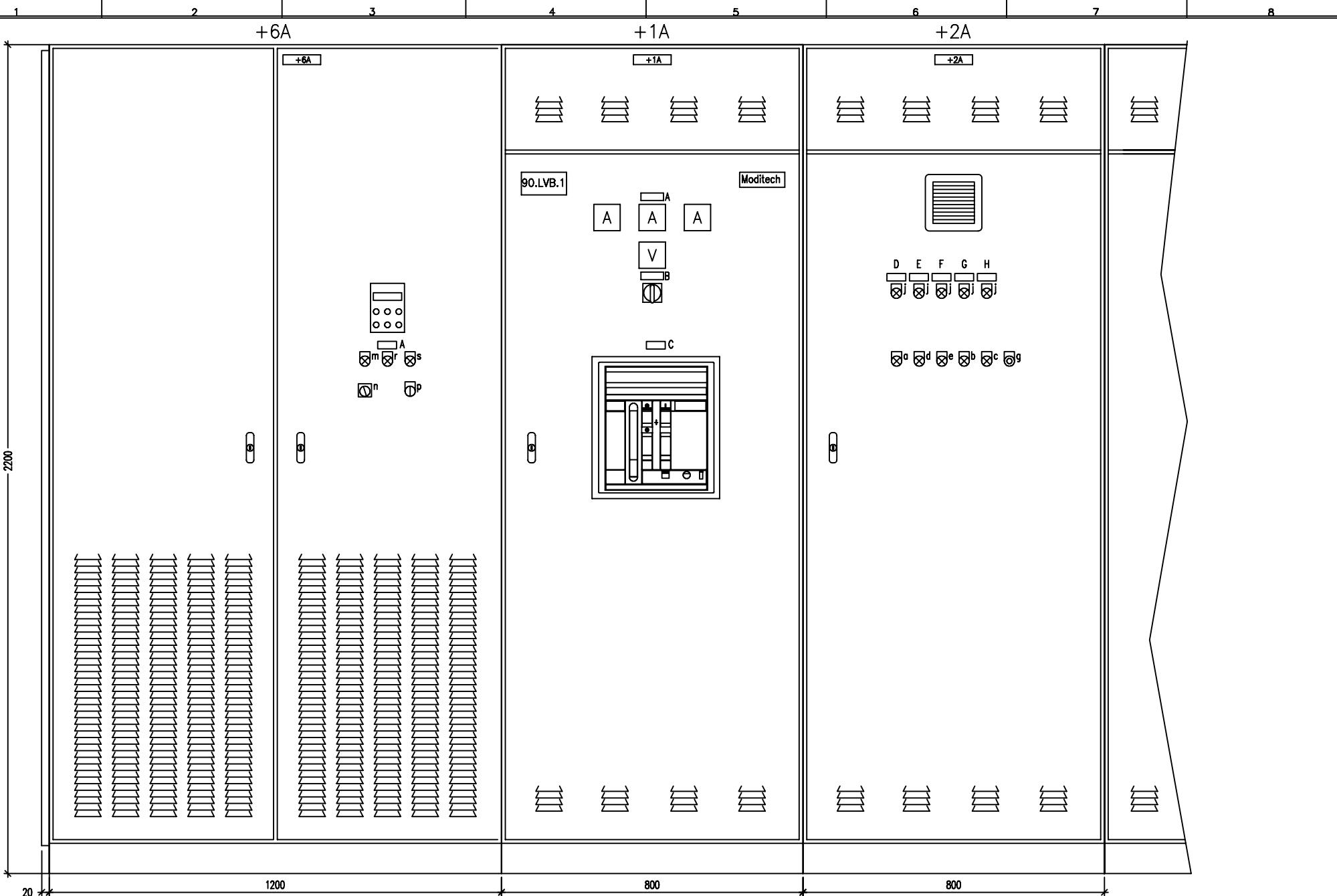
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DEPTH 800mm
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Moditechs.r.l.

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sheet 007
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1	AFTER TEST	A. EMONTE	03/05/2010				
0	FIRST ISSUE	A. EMONTE	16/02/2010				
rev.	Issue Description	Author	Date				
It. DIN 6771/Teil 5 1	2	3	4	5	6	7	8
SULPHUREX				TOPOGRAPHIC VIEW			
				drawing's title:			
				Dis. 10.CC1K2544.E01			
				Job: 1E35			
				dwg. 1E35-75-001			



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Moditechs.r.l.

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sheet 008
009 n.sh

It.	DIN 6771/Teil 5	1	2	3	4	5	6	7	8
1	AFTER TEST	A. EMONTE	03/05/2010						
0	FIRST ISSUE	A. EMONTE	16/02/2010						
rev.	Issue	Description	Author	Date					

SULPHUREX



FRONT VIEW
COLUMN +6A / +1A / +2A
drawing's title:

Dis. 10.CC1K2544.E01
Job: 1E35

dwg. 1E35-75-001

1 2 3 4 5 6 7 8

+3A

+4A

+5A

A

A

B

B

C

C

D

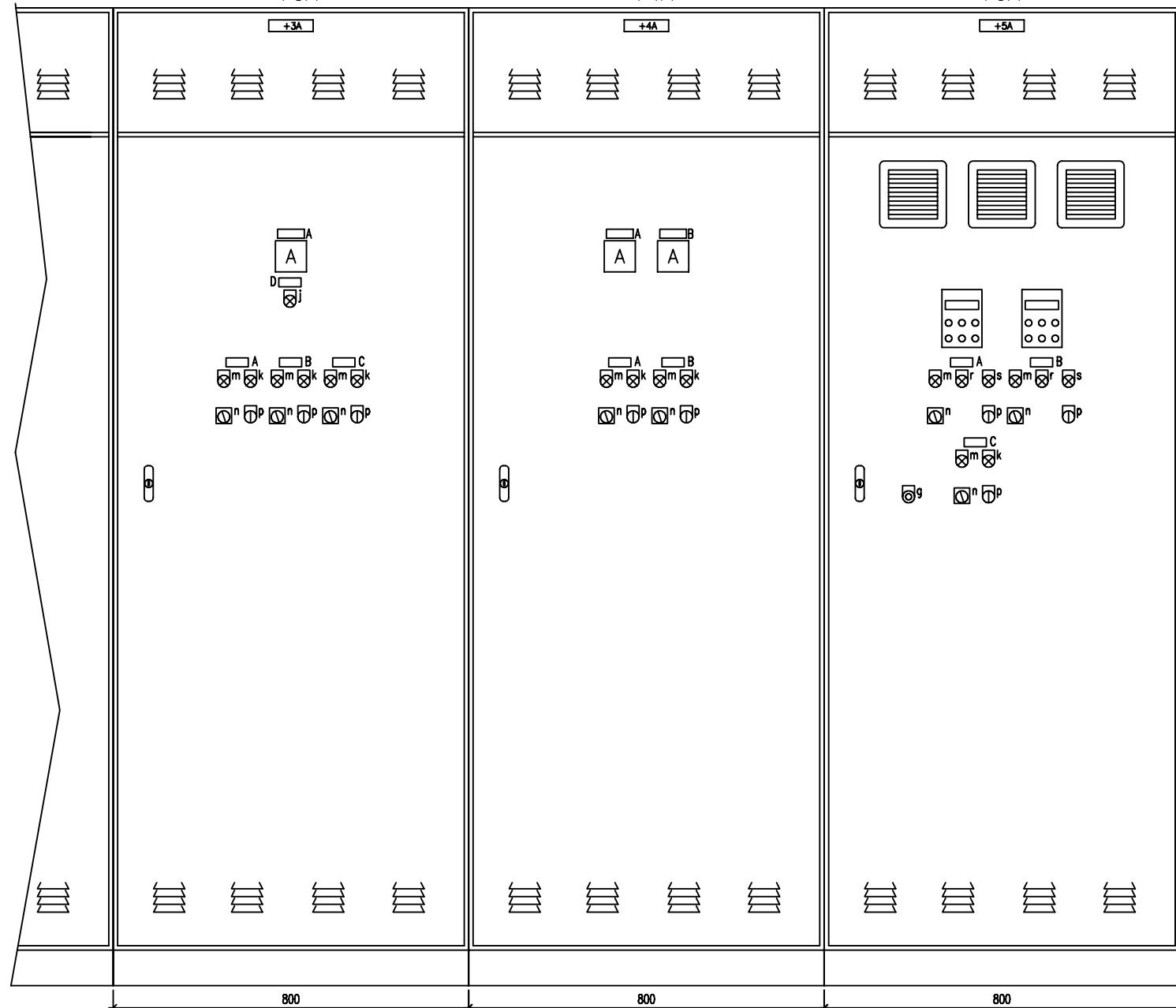
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 Dis. 10.CC1K2544.E01
 Job: 1E35 dwg. 1E35-75-001
 sheet 009
 010 n.sh

It.	DIN 6771/Teil 5	1	2	3	4	5	6	7	8
1	AFTER TEST		A. EMONTE	03/05/2010					
0	FIRST ISSUE		A. EMONTE	16/02/2010					
rev.	Issue	Description	Author	Date					

SULPHUREX


 FRONT VIEW
 COLUMN +3A / +4A / +5A
 drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 dwg. 1E35-75-001

 sheet 009
 010 n.sh

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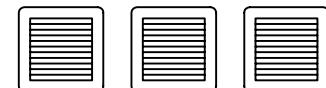
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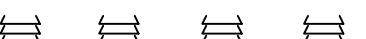
+4B

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Moditech_{s.r.l.}

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Dis. 10.CC1K2544.E01

Job: 1E35

dwg. 1E35-75-001

 sheet 010
011 n.sh

It.	DIN 6771/Teil	5	1	2	3	4	5	6	7	8
1	AFTER TEST			A. EMONTE	03/05/2010					
0	FIRST ISSUE			A. EMONTE	16/02/2010					
rev.	Issue	Description	Author	Date						

SULPHUREX


 REAR VIEW
COLUMN +5B / +4B / +3B
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35

dwg. 1E35-75-001

 sheet 010
011 n.sh

1 2 3 4 5 6 7 8

+2B

+1B

+6B

A

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D

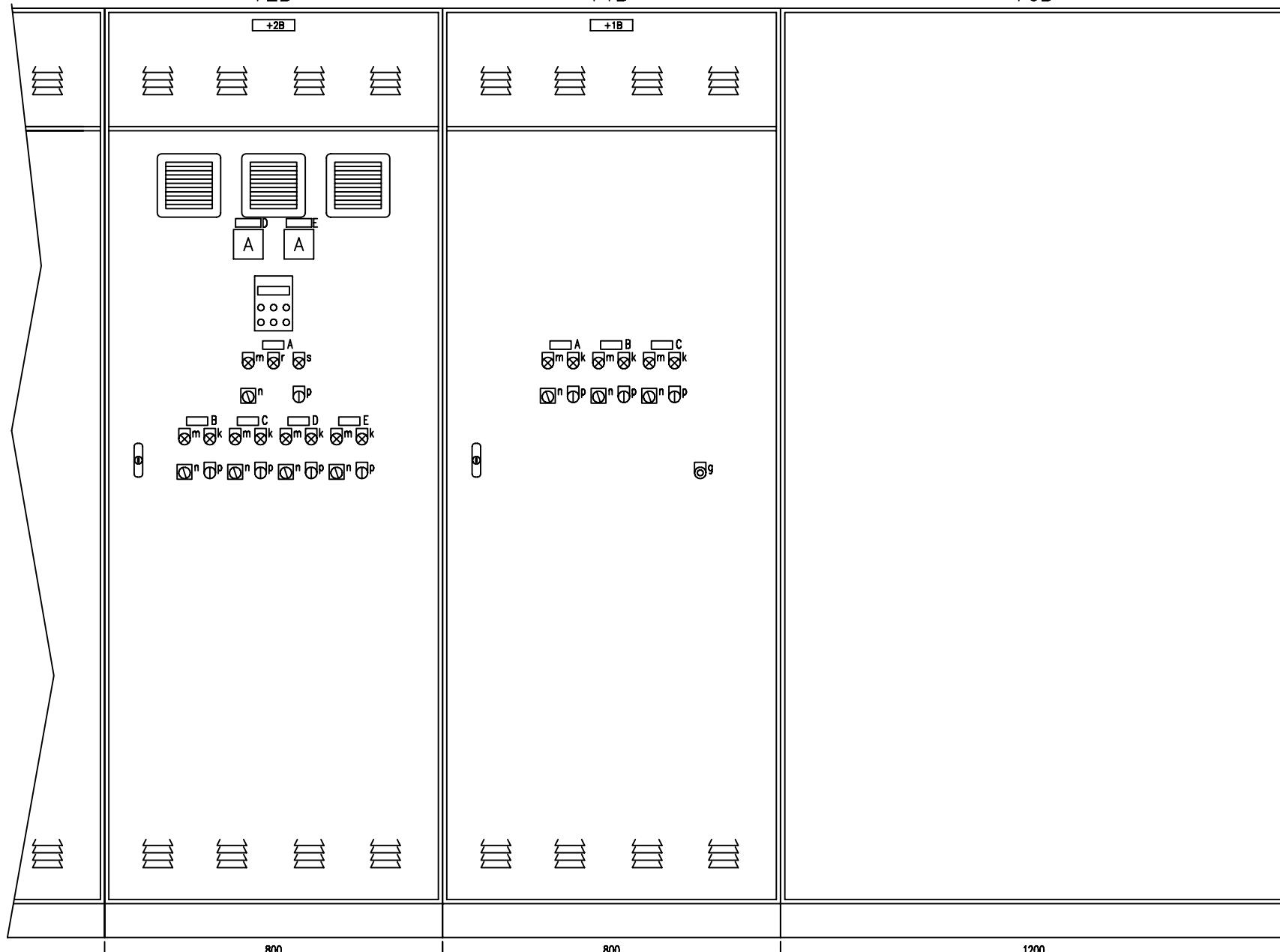
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Moditech_{s.r.l.}

 = 90.LVB.1
 +
 sheet 011
 014 n.sh

It.	DIN 6771/Teil 5	1	2	3	4	5	6	7	8
1	AFTER TEST	A. EMONTE	03/05/2010						
0	FIRST ISSUE	A. EMONTE	16/02/2010						
rev.	Issue	Description	Author	Date					

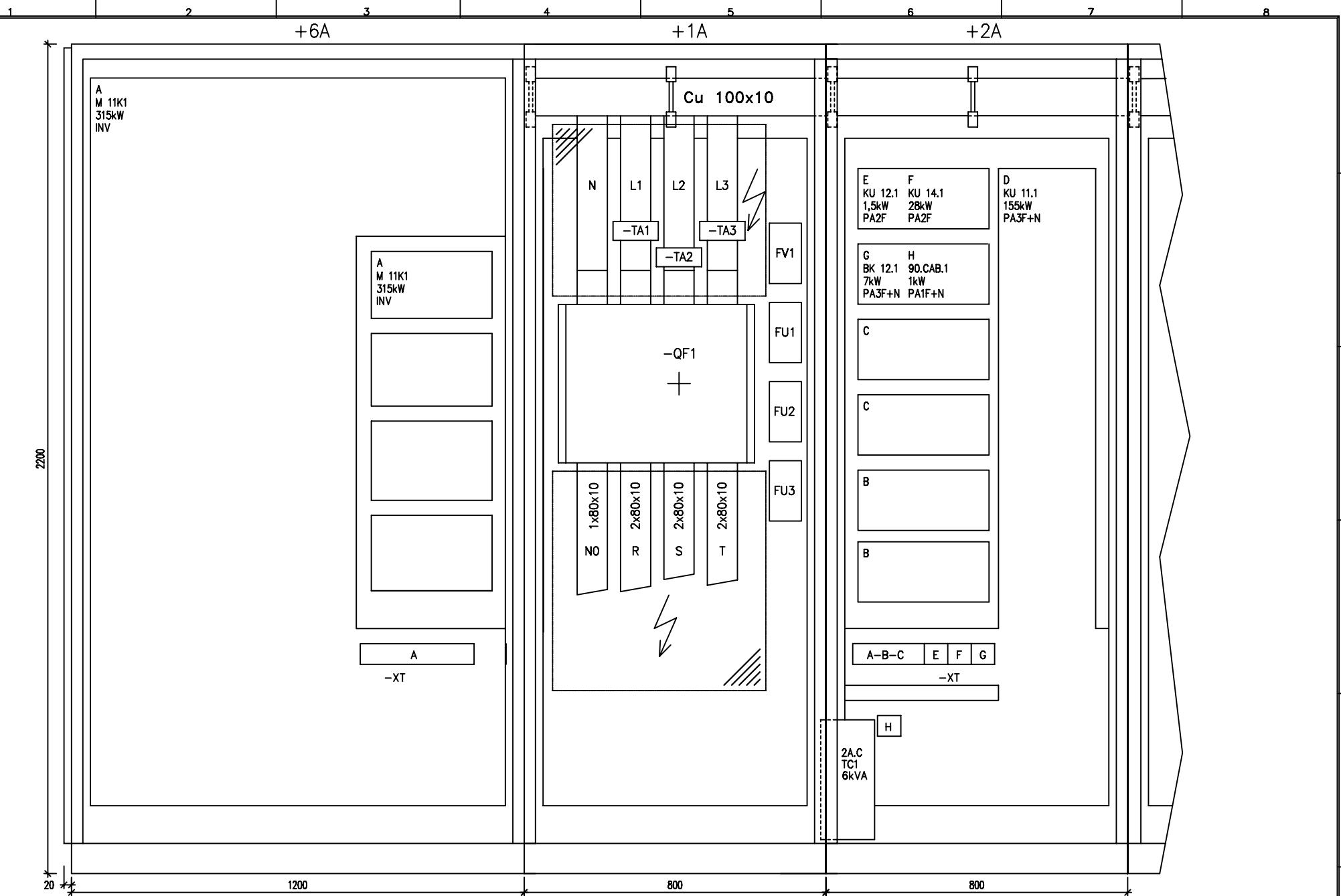
SULPHUREX


 REAR VIEW
 COLUMN +2B / +1B / +6B
 drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

 sheet 011
 014 n.sh



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Moditechs.r.l.

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Dis. 10.CC1K2544.E01
Job: 1E35 dwg. 1E35-75-001
sheet 014
015 n.sh

It.	DIN 6771/Teil	5	1	2	3	4	5	6	7	8
1	AFTER TEST				A. EMONTE	03/05/2010				
0	FIRST ISSUE				A. EMONTE	16/02/2010				
rev.	Issue	Description	Author	Date						

SULPHUREX



INTERNAL VIEW
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35

dwg. 1E35-75-001

sheet 014
015 n.sh

1 2 3 4 5 6 7 8

+3A

+4A

+5A

A

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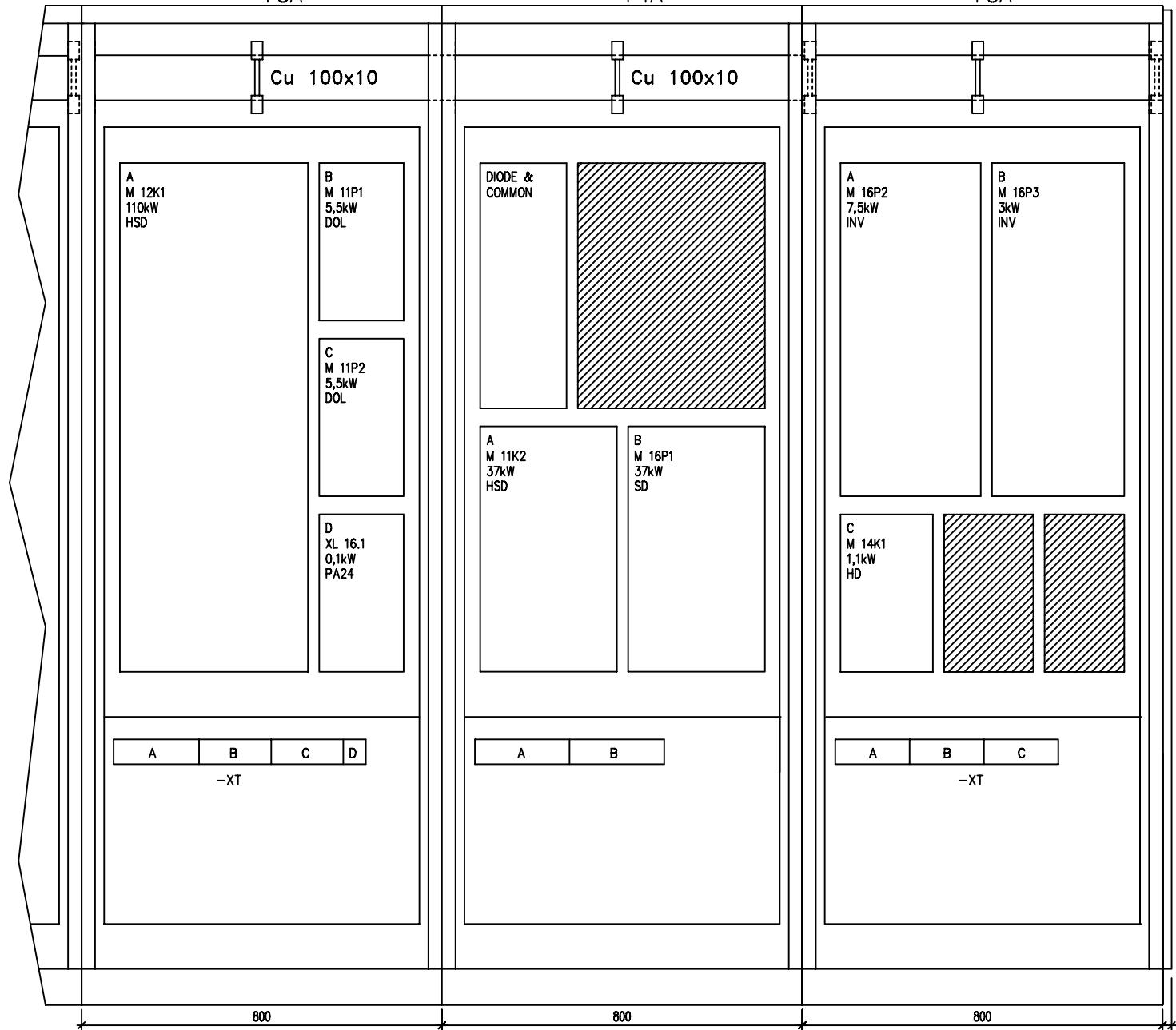
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Moditech s.r.l.

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 Dis. 10.CC1K2544.E01
 Job: 1E35 dwg. 1E35-75-001
 sheet 015
 016 n.sh

UNI A3				
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	
rev.	Issue Description	Author	Date	

SULPHUREX



INTERNAL VIEW
 drawing's title:
 Dis. 10.CC1K2544.E01
 Job: 1E35 dwg. 1E35-75-001

1 2 3 4 5 6 7 8

+5B

+4B

+3B

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sheet 016

017 n.sh

UNI A3				
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	
rev.	Issue Description	Author	Date	

SULPHUREX



INTERNAL VIEW

drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35

dwg. 1E35-75-001

1 2 3 4 5 6 7 8

+2B

+1B

+6

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+2B

+1B

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Moditechs.r.l.

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SULPHUREX



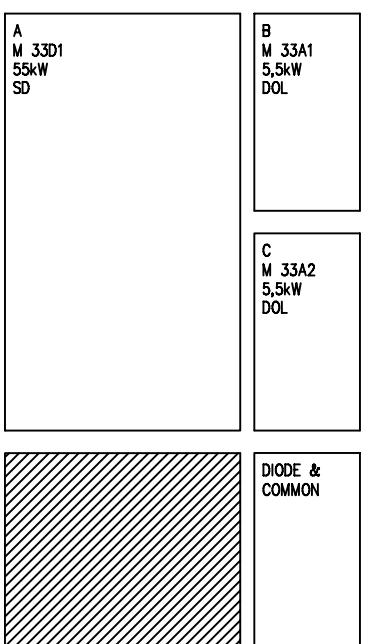
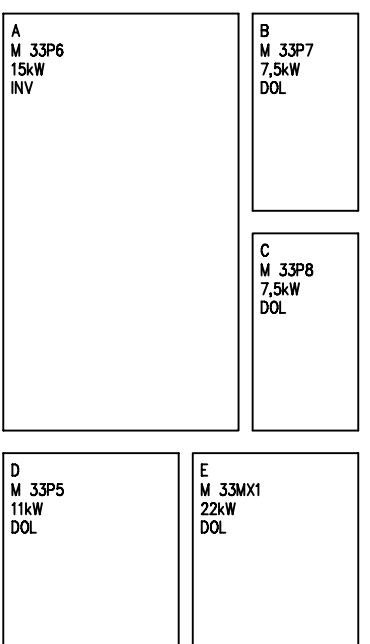
INTERNAL VIEW

Dis. 10.CC1K2544.E01

sheet 017

Job: 1E35 dwg. 1E35-75-001

020 n.sh

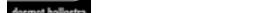


1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date

drawing's title:

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	Drawing supplier 10.CC1K2544.E01	Rev. 1	Plant SULPHUREX				
	Drawing 1E35-75-001	Sheet 020	Drawing's title PLATES LIST	1 0	AFTER TEST FIRST ISSUE	A. EMONTE A. EMONTE	03/05/10 16/02/10
	Next 021			Revision	Issue description	Author	Date

Materials : Plastic				Bottom : White	Writing : Black	Fixing : Screw		
Pos.	Q.ty	Initial	Dimens. mm.	READING			Type (mm)	
				First line	Second line	Third line	Height	Remarks
+1A.A	1		V50x15	LINE CURRENT			3	
+1A.B	1		V50x15	LINE VOLTAGE			3	
+1A.C	1		V50x15	380/220V-50Hz	INCOMING FEEDING		3	
+2A.D	1		V50x15	KU 11.1	CHILLING GROUP 11RG1	L.C.P.	3	
+2A.E	1		V50x15	KU 12.1	SULPHUR IGNITER 12H2	L.C.P.	3	
+2A.F	1		V50x15	KU 14.1	ESP 14F1	L.C.P.	3	
+2A.G	1		V50x15	BK 12.1	BURNER 12H4	L.C.P.	3	
+2A.H	1		V50x15	90.CAB.1	GENERAL SERVICES	PLC CABINETS	3	
+3A.A	2		V50x15	M 12K1	COOLING AIR FAN		3	
+3A.B	1		V50x15	M 11P1	GLYCOL SOLUT.	RECIRCUL. PUMP	3	
+3A.C	1		V50x15	M 11P2	GLYCOL SOLUT.	RECIRCUL. PUMP	3	
+3A.D	1		V50x15	XL 16.1	REACTOR	LAMP	3	
+4A.A	2		V50x15	M 11K2	REGENERATION	AIR FAN	3	
+4A.B	2		V50x15	M 16P1	COOLING WATER	RECIRC. PUMP	3	
+5A.A	1		V50x15	M 16P2	SULPHON. ACID	TRANSFER PUMP	3	
+5A.B	1		V50x15	M 16P3	OFF-SPEC/R.M.	FEEDING PUMP	3	
+5A.C	1		V50x15	M 14K1	ESP FLUSHING	AIR FAN	3	

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 <small>desmet ballestra</small>	Drawing supplier 10.CC1K2544.E01	Rev. 1	Plant SULPHUREX				
	Drawing 1E35-75-001	Sheet 021	Drawing's title PLATES LIST	1	AFTER TEST	A. EMONTE	03/05/10
				0	FIRST ISSUE	A. EMONTE	16/02/10
		Next 022		Revision	Issue description	Author	Date

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 Moditech s.r.l.	Drawing supplier 10.CC1K2544.E01	Rev. 1	Plant SULPHUREX				
 desmet ballestra	Drawing 1E35-75-001	Sheet 022	Drawing's title PLATES LIST	1	AFTER TEST	A. EMONTE	03/05/10
		Next 023		0	FIRST ISSUE	A. EMONTE	16/02/10
				Revision	Issue description	Author	Date

Materials : Plastic				Bottom : White	Writing : Black	Fixing : Screw		
Pos.	Q.ty	Initial	Dimens. mm.	READING			Type (mm)	
				First line	Second line	Third line	Height	Remarks
+1B.A	1		V50x15	M 33D1	WIPED FILM	EVAPORATOR	3	
+1B.B	1		V50x15	M 33A1	INT. PASTE STORAGE	TANK AGITATOR	3	
+1B.C	1		V50x15	M 33A2	INT. PASTE STORAGE	TANK AGITATOR	3	
+2B.A	1		V50x15	M 33P6	WATER/NaOH	PROP. PUMP	3	
+2B.B	1		V50x15	M 33P7	PASTE	TRANSF. PUMP	3	
+2B.C	1		V50x15	M 33P8	PASTE	TRANSF. PUMP	3	
+2B.D	2		V50x15	M 33P5	VACUUM	PUMP	3	
+2B.E	2		V50x15	M 33MX1	NEUTRALIZATION	MIXER	3	
+3B.A	1		V50x15	M 33P1	PASTE	TRANSFER PUMP	3	
+3B.B	1		V50x15	M 33P2	CONDENSATE	TRANSFER PUMP	3	
+3B.C	1		V50x15	M 33P3	COOLING WATER	REC. PUMP	3	
+3B.D	1		V50x15	M 33P4	BUFFER	FEED PUMP	3	
+4B.A	1		V50x15	M 25P1	MOLTEN	SULPHUR PUMP	3	
+4B.A	1		V50x15	M 25P2	MOLTEN	SULPHUR PUMP	3	
+4B.B	1		V50x15	M 06P1	LAB TRANSFER	PUMP	3	
+4B.C	1		V50x15	M 06P2	ETHOX. ALCOHOL	TRANSFER PUMP	3	
+4B.D	1		V50x15	M 06P3	A.O.S.	TRANSFER PUMP	3	
+5B.A	1		V50x15	M 16P4	SULPHON. ACID	TRANSFER PUMP	3	

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 <small>desmet ballestra</small>	Drawing supplier 10.CC1K2544.E01	Rev. 1	Plant SULPHUREX				
	Drawing 1E35-75-001	Sheet 023	Drawing's title PLATES LIST	1	AFTER TEST	A. EMONTE	03/05/10
				0	FIRST ISSUE	A. EMONTE	16/02/10
				Revision	Issue description	Author	Date

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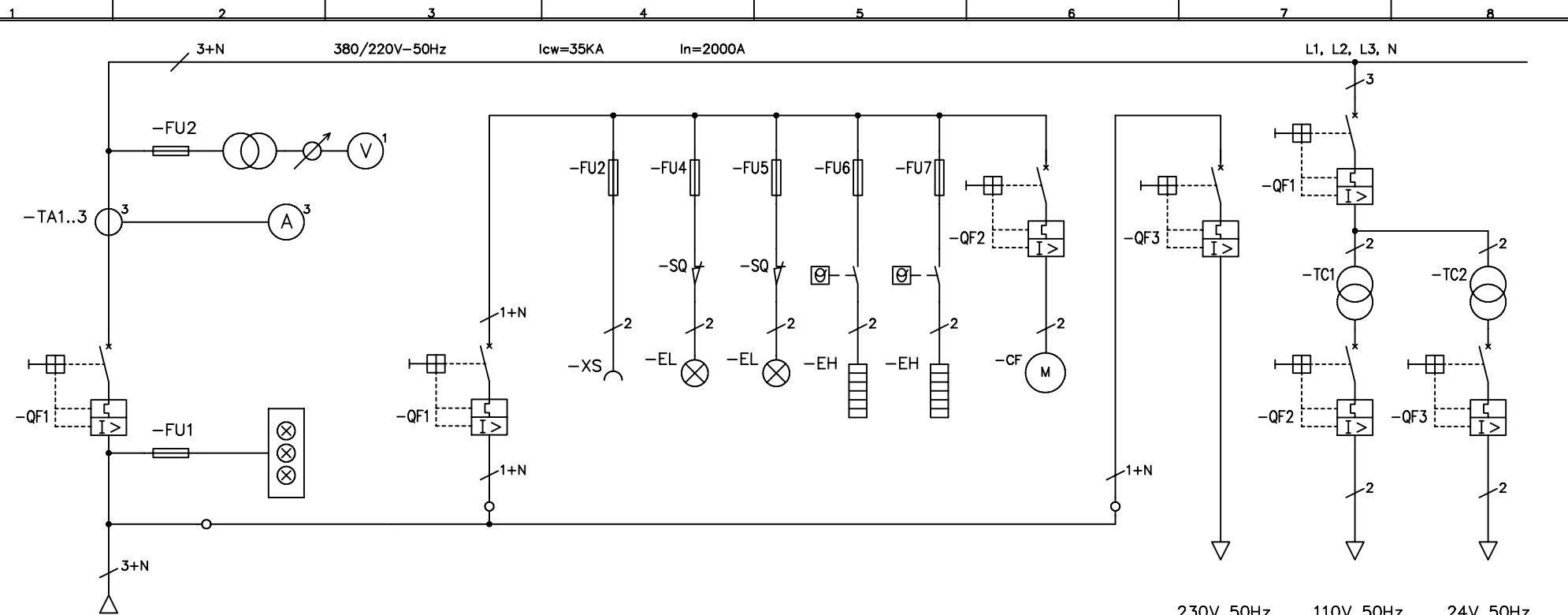
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 Moditech s.r.l.	Drawing supplier 10.CC1K2544.E01	Rev. 1	Plant SULPHUREX				
	Drawing 1E35-75-001	Sheet 024	Drawing's title PLATES LIST	1	AFTER TEST	A. EMONTE	03/05/10
	Next 025			0	FIRST ISSUE	A. EMONTE	16/02/10
				Revision	Issue description	Author	Date

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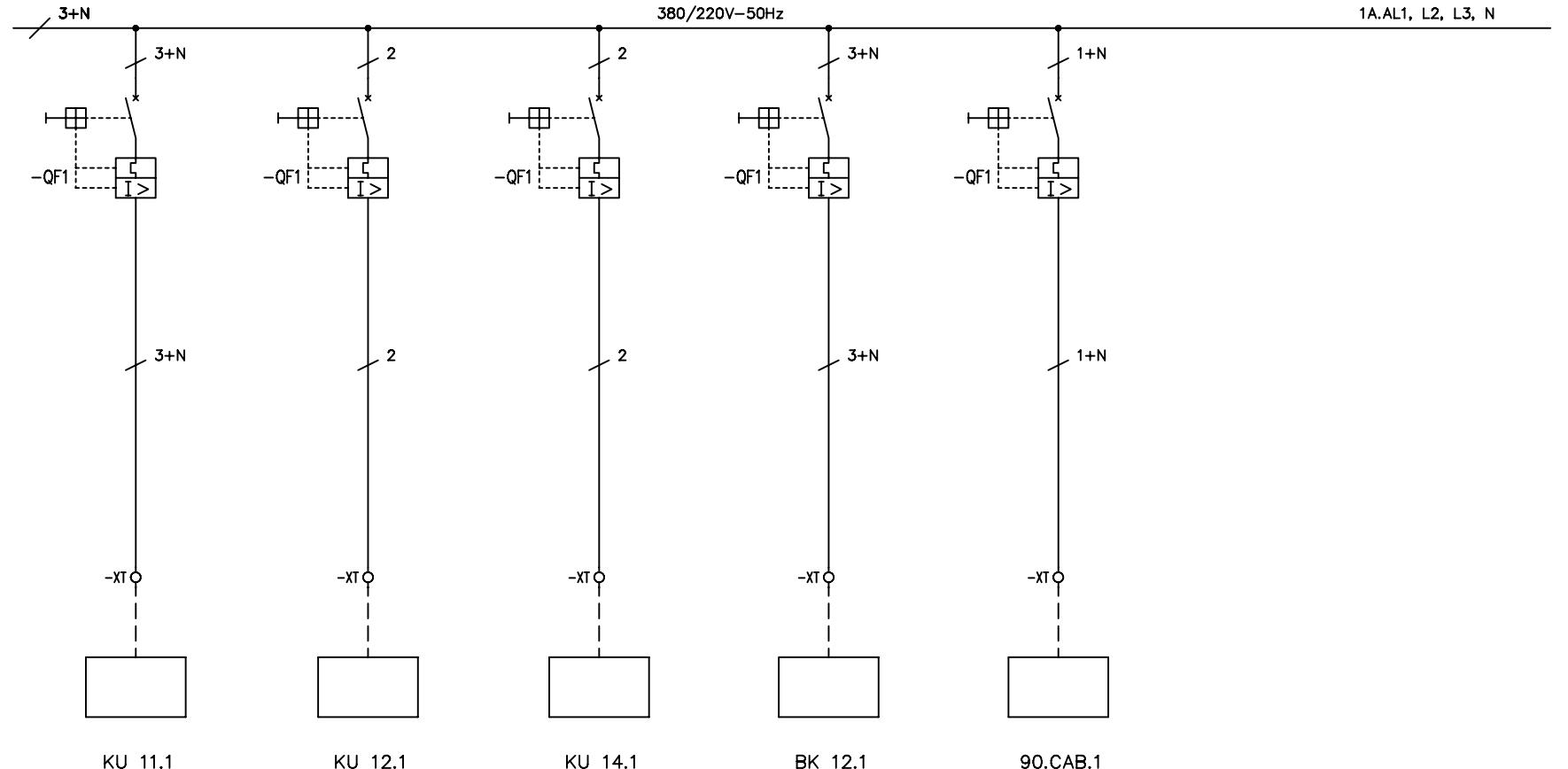
L'origine del presente documento risiede in un database digitale. Il processo di approvazione e gestione software è a www.moditech.it con visori e approvatori.							
 Moditech s.r.l.	Drawing supplier 10.CC1K2544.E01	Rev. 1	Plant SULPHUREX				
	Drawing 1E35-75-001	Sheet 025	Drawing's title PLATES LIST	1	AFTER TEST	A. EMONTE	03/05/10
		Next 029		0	FIRST ISSUE	A. EMONTE	16/02/10
				Revision	Issue description	Author	Date



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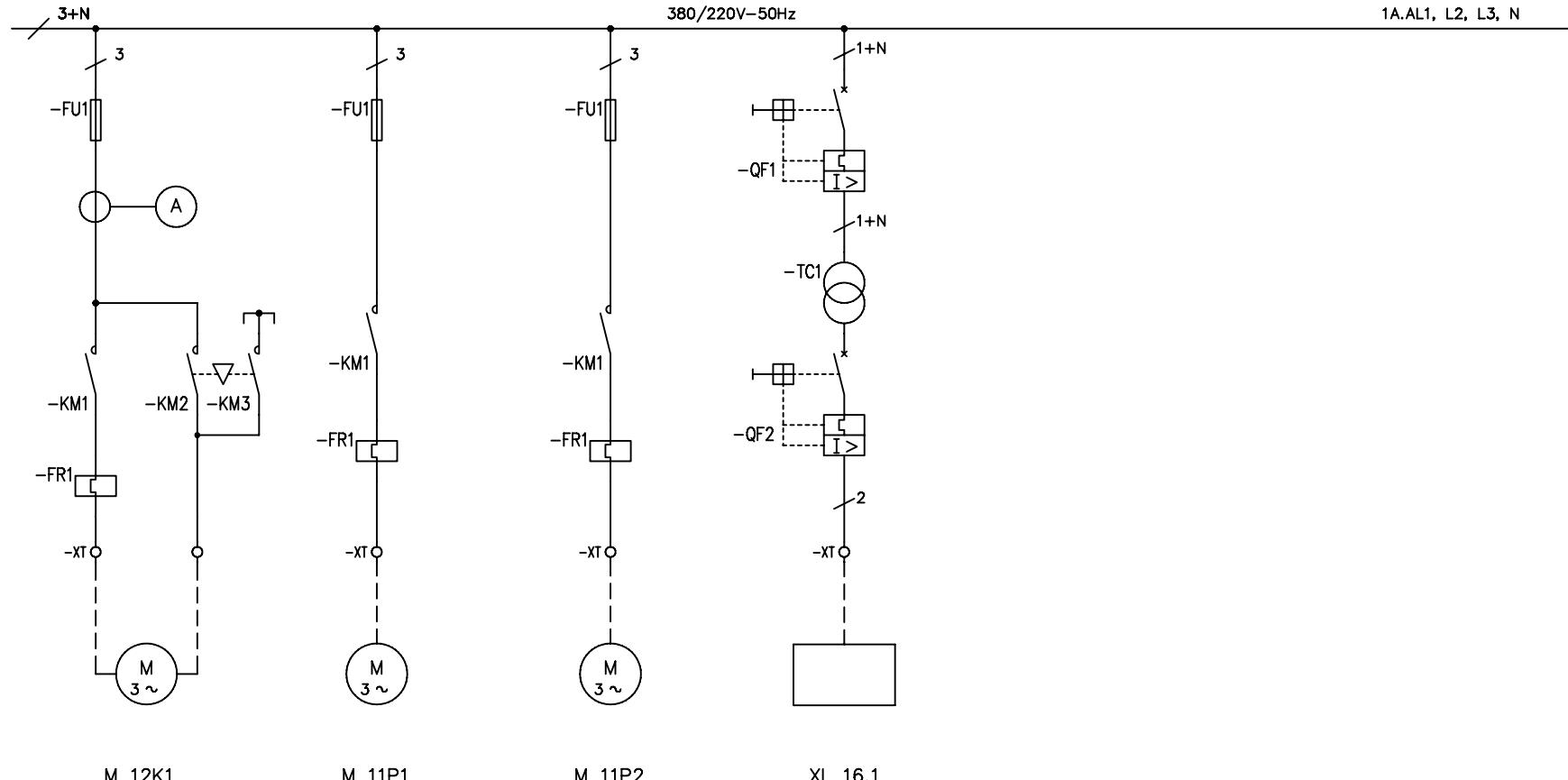
CIRCUITO	Feeder	+ 1.A	+ 2.B	+ 2.C
DATI UTENZA Load Data	SIGLA Item DENOMINAZ. Service	MAIN FEEDING	GENERAL SERVICES	ANTICONDENSATE HEATER IN FIELD
POTENZA NOMINALE Rated Power	.. kW		4400 VA	2200 VA
DATI ELETTRICI Electrical Data	In .. A Vn 380/220V Hz 50Hz		20A 220V 50Hz	10A 220V 50Hz
SCHEMI PARTICOLARI Particularly Diagramm				
POTENZA ASSORBITA Absorbed power				
CABLAGGIO Wiring	3 x (CU2x80x10) + PE 1 x (40x8)	25/6 mm ²	25/2,5 mm ²	10/10/16 mm ² 10/10 mm ²
AFTER TEST	A. EMONTE 03/05/2010			= 90.LVB.1 + 1A / 2A
FIRST ISSUE	A. EMONTE 16/02/2010			
rev. Issue Description	Author Date			sheet 029 030 n.sh
It. DIN 6771/Teil 5 1	2	3 SULPHUREX 4	5 ONE LINE DIAGRAM drawing's title:	6 Dis. 10.CC1K2544.E01 Job: 1E35 7 1E35-75-001 dwg. 8



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Moditech s.r.l.

CIRCUITO Feeder		+ 2.A.D	+ 2.A.E	+ 2.A.F	+ 2.A.G	+ 2.A.H		
DATI UTENZA Load Data	SIGLA Item DENOMINAZ. Service	CHILLING GROUP 11RG1 L.C.P.	SULPHUR IGNITER 12H2 L.C.P.	ESP 14F1 L.C.P.	BURNER 12H4 L.C.P.	GENERAL SERVICES PLC CABINETS		
	POTENZA NOMINALE Rated Power	155kW	1,5kW	28kW	7kW	1kW		
	DATI ELETTRICI Electrical Data	In Vn Hz	268A 380V 50Hz	3,95A 380V 50Hz	54A 380V 50Hz	13A 380/220V 50Hz	10A 220V 50Hz	
SCHEMI PARTICOLARI Particulary Diagramm								
POTENZA ASSORBITA Absorbed power								
CABLAGGIO Wiring		CU	6/2,5 mm ²	25 mm ²	10 mm ²	6/2,5 mm ²		
UNI A3							= 90.LVB.1	
							+ 2A	
	1 AFTER TEST	A. EMONTE	03/05/2010	SULPHUREX		ONE LINE DIAGRAM	Dis. 10.CC1K2544.E01	
0 FIRST ISSUE		A. EMONTE	16/02/2010	 drawing's title:		drawing's title:	Job: 1E35	dwg. 1E35-75-001
rev. Issue Description		Author	Date				sheet 030	031 n.sh
It DIN 6771 / Teil 5 1	2	3	4	5	6	7	8	



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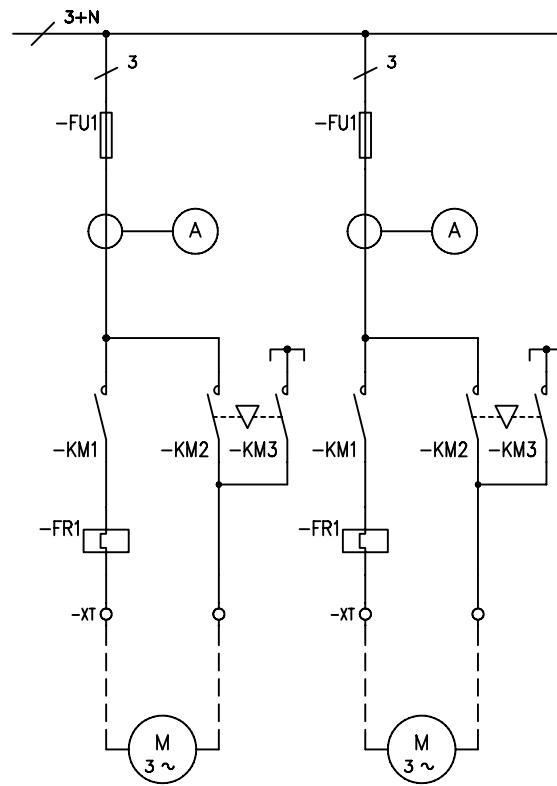
Moditech s.r.l.

CIRCUITO Feeder		+ 3.A		+ 3.B		+ 3.C		+ 3.D					
DATI DIENZA Load Data	SIGLA Item DENOMINAZ. Service	COOLING AIR FAN		GLYCOL SOLUT. RECIRCUL. PUMP		GLYCOL SOLUT. RECIRCUL. PUMP		REACTOR LAMP					
POTENZA NOMINALE Rated Power		110kW		5,5kW		5,5kW		0,1kW					
DATI ELETTRICI Electrical Data	In Vn Hz	203A 380V 50Hz		10,5A 380V 50Hz		10,5A 380V 50Hz		4,16A 24V 50Hz					
SCHEMI PARTICOLARI Particulary Diagramm													
POTENZA ASSORBITA Absorbed power													
CABLAGGIO Wiring		185/95 mm ²		6/4 mm ²		6/4 mm ²		6/2,5 mm ²					
1	AFTER TEST	A. EMONTE	03/05/2010	SULPHUREX			ONE LINE DIAGRAM drawing's title:		Dis. 10.CC1K2544.E01 Job: 1E35		dwg. 1E35-75-001 sheet 031 032 n.sh		= 90.LVB.1 + 3A
0	FIRST ISSUE	A. EMONTE	16/02/2010										
rev.	Issue Description	Author	Date										
DIN 6771 / Teil 5 1		2											
				3	4	5	6	7	8				

1 2 3 4 5 6 7 8

380/220V-50Hz

1A.AL1, L2, L3, N



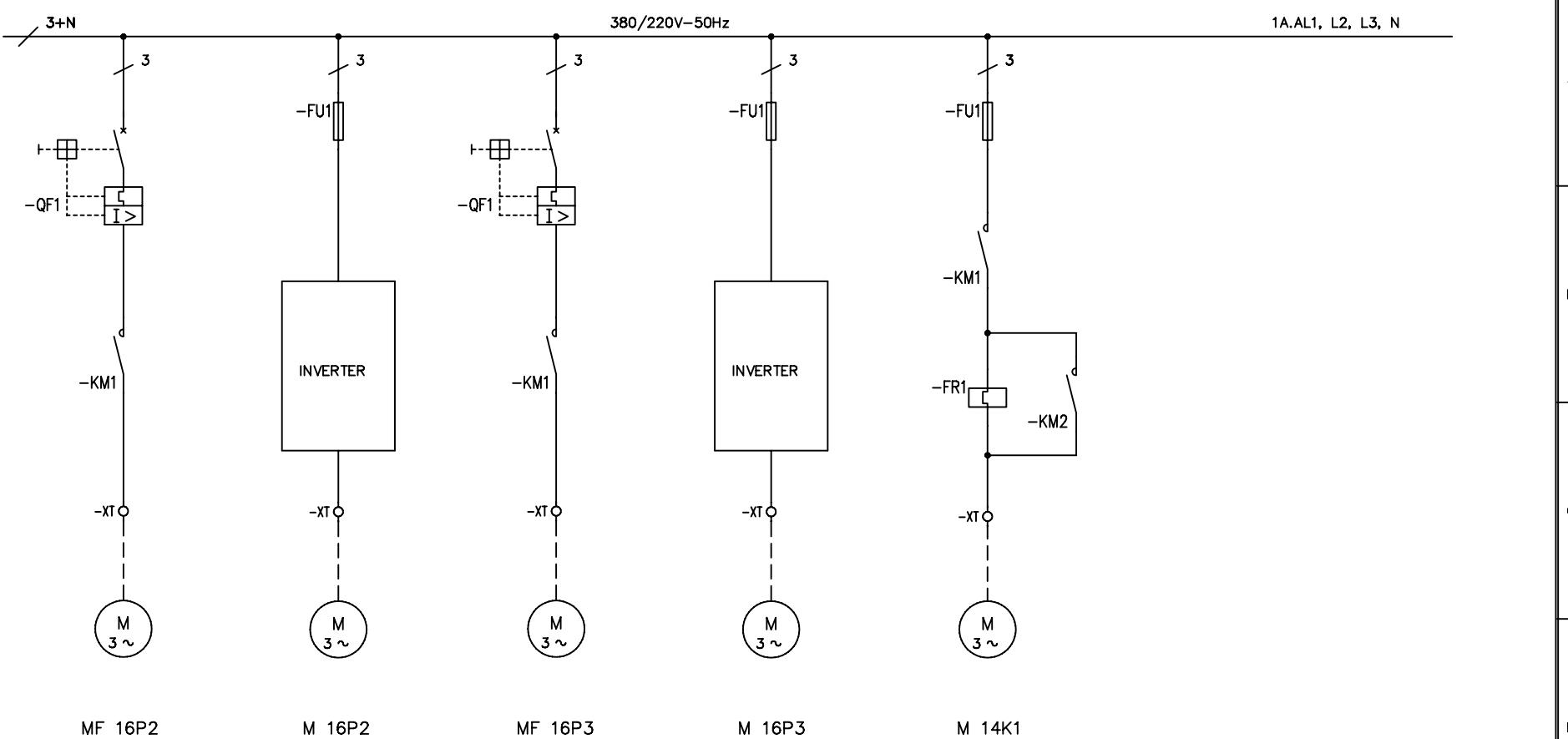
M 11K2

M 16P1

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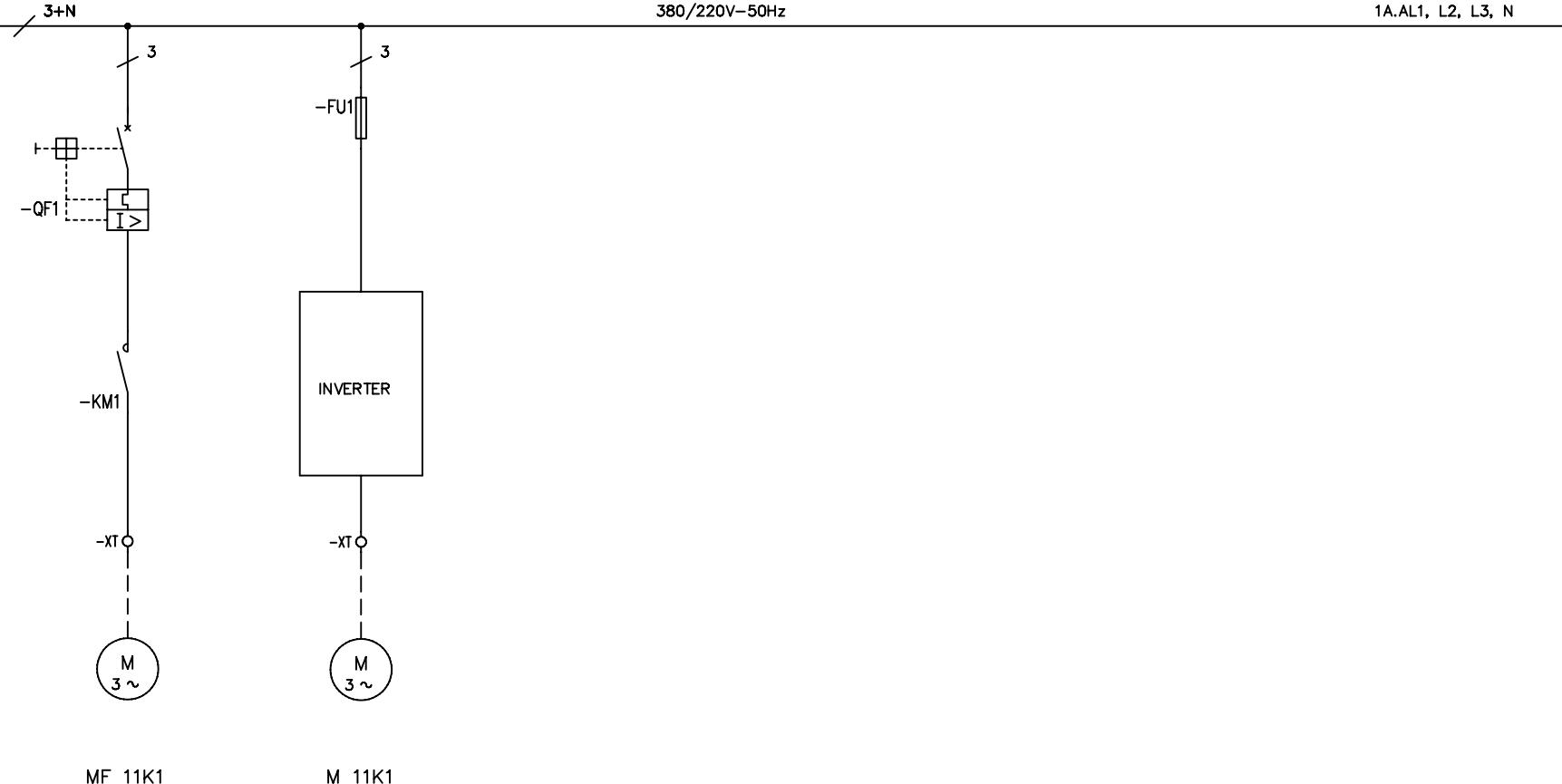
CIRCUITO	Feeder	+ 4.A	+ 4.B				
DATI UTENZA Load Data	SIGLA Item DENOMINAZ. Service	REGENERATION AIR FAN	COOLING WATER RECIRC. PUMP				
E	POTENZA NOMINALE Rated Power	37kW	37kW				
DATI ELETTRICI Electrical Data	In Vn Hz	70A 380V 50Hz	70A 380V 50Hz				
F	SCHEMI PARTICOLARI Particularly Diagramm						
POTENZA ASSORBITA Absorbed power							
G	CABLAGGIO Wiring	35/25 mm ²	35/25 mm ²				
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Moditech s.r.l.

CIRCUITO Feeder		+ 5.A		+ 5.B		+ 5.C			
E DATI UTENZA Load Data	SIGLA Item DENOMINAZ. Service	AUXILIARY COOLING FAN	SULPHON. ACID TRANSFER PUMP	AUXILIARY COOLING FAN	OFF-SPEC/R.M. FEEDING PUMP	ESP FLUSHING AIR FAN			
	POTENZA NOMINALE Rated Power	0,056kW	7,5kW	0,056kW	3kW	1,1kW			
	DATI ELETTRICI Electrical Data	In Vn Hz	0,32A 380V 50Hz	15,1A 380V 50Hz	0,32A 380V 50Hz	6,8A 380V 50Hz	2,5A 380V 50Hz		
SCHEMI PARTICOLARI Particulary Diagramm									
POTENZA ASSORBITA Absorbed power									
F UNI A3	CABLAGGIO Wiring	6/2,5 mm ²	6/4 mm ²	6/2,5 mm ²	6/2,5 mm ²	6/2,5 mm ²			
									= 90.LVB.1
1	AFTER TEST	A. EMONTE	03/05/2010	SULPHUREX			ONE LINE DIAGRAM	Dis. 10.CC1K2544.E01	
0	FIRST ISSUE	A. EMONTE	16/02/2010					+ 5A	
rev.	Issue Description	Author	Date			drawing's title:		Job: 1E35	dwg. 1E35-75-001
It. DIN 6771/Teil 5	1	2	3	4	5	6	7	8	sheet 033 034 n.sh

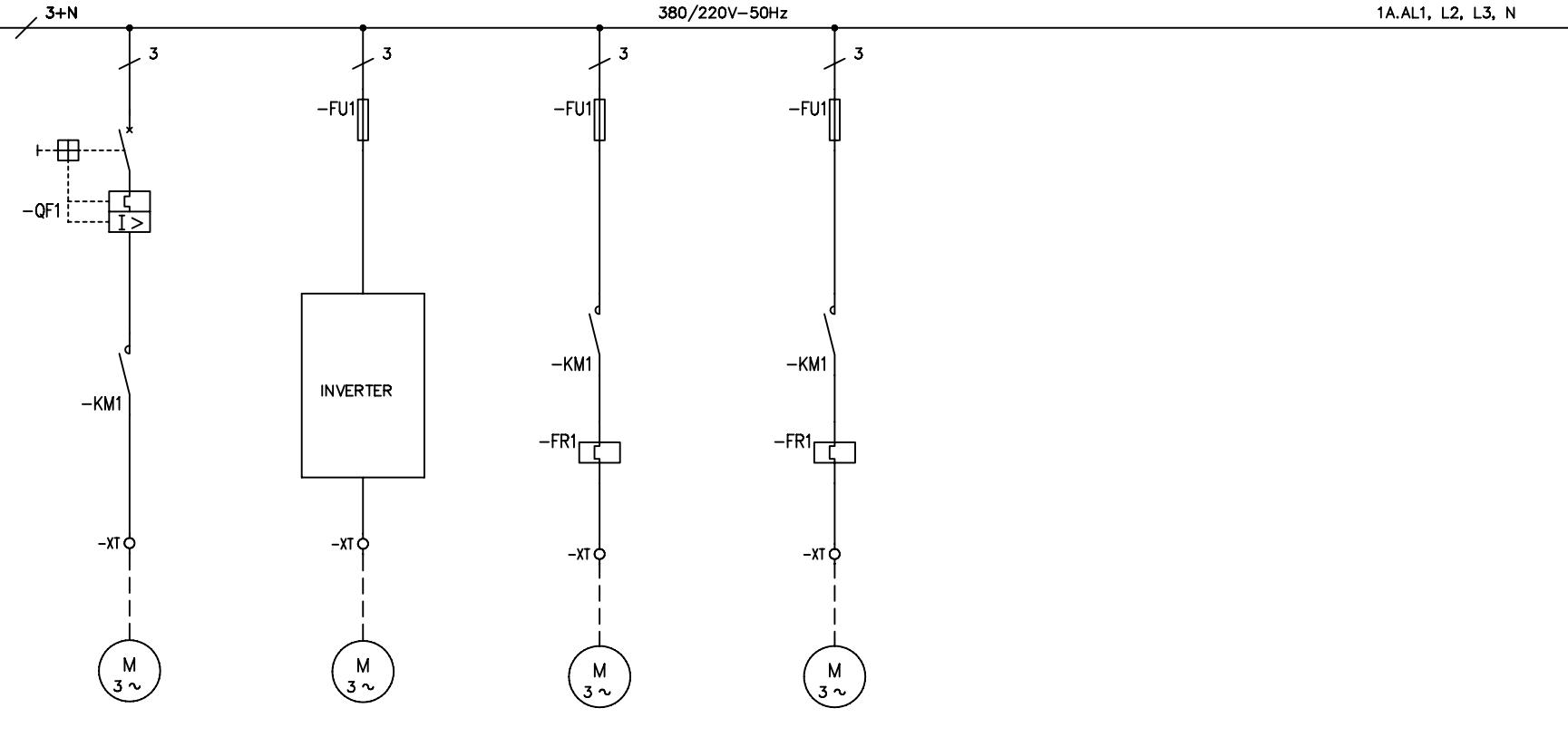


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Moditech s.r.l.

CIRCUITO Feeder		+ 6A.A						
DATI DI ENERGIA Load Data	SIGLA Item DENOMINAZ. Service	AUXILIARY COOLING FAN	PROCESS AIR BLOWER					
	POTENZA NOMINALE Rated Power	0,8kW	315kW					
	DATI ELETTRICI Electrical Data	In Vn Hz	2,5A 380V 50Hz	560A 380V 50Hz				
SCHEMI PARTICOLARI Particularly Diagramm								
POTENZA ASSORBITA Absorbed power								
CABLAGGIO Wiring	6/2,5 mm ²	CU						
								= 90.LVB.1
								+ 6A.
1	AFTER TEST	A. EMONTE	03/05/2010	SULPHUREX		ONE LINE DIAGRAM drawing's title:	Dis. 10.CC1K2544.E01 Job: 1E35	sheet 034 dwg. 1E35-75-001
0	FIRST ISSUE	A. EMONTE	16/02/2010					
rev.	Issue Description	Author	Date					
DIN 6771 / Teil 5 1	2	3	4	5	6	7	8	035 n.sh

1 2 3 4 5 6 7 8

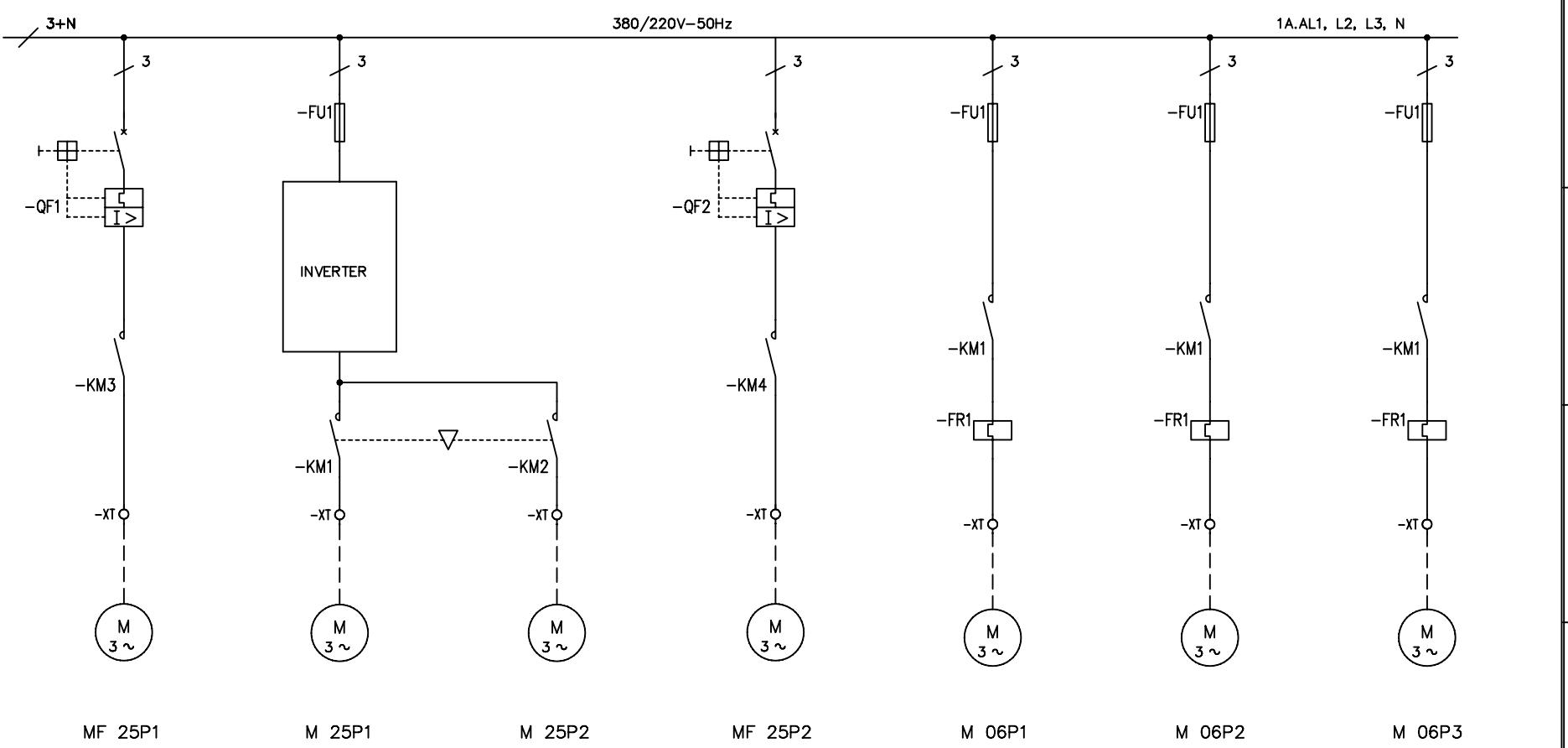


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CIRCUITO	Feeder	+ 5B.A		+ 5B.B	+ 5B.C			
DATI UTENZA Data	SIGLA Item DENOMINAZ. Service	AUXILIARY COOLING FAN	SULPHON. ACID TRANSFER PUMP	AGEING VESSEL AGITATOR	STABILIZER MIXER			
POTENZA NOMINALE Rated Power		0,056kW	7,5kW	5,5kW	7,5kW			
DATI ELETTRICI Electrical Data	In Vn Hz	0,32A 380V 50Hz	15,1A 380V 50Hz	11,7A 380V 50Hz	17,5A 380V 50Hz			
SCHEMI PARTICOLARI Particularly Diagramm								
POTENZA ASSORBITA Absorbed power								
CABLAGGIO Wiring		6/2,5 mm ²	6/4 mm ²	6/4 mm ²	6 mm ²			
UNI A3								
1	AFTER TEST	A. EMONTE	03/05/2010					= 90.LVB.1
0	FIRST ISSUE	A. EMONTE	16/02/2010					+ 5B
rev.	Issue Description	Author	Date					
SULPHUREX					ONE LINE DIAGRAM		Dis. 10.CC1K2544.E01	
					drawing's title:		Job: 1E35	
							dwg. 1E35-75-001	
							sheet 035	
							036 n.sh	

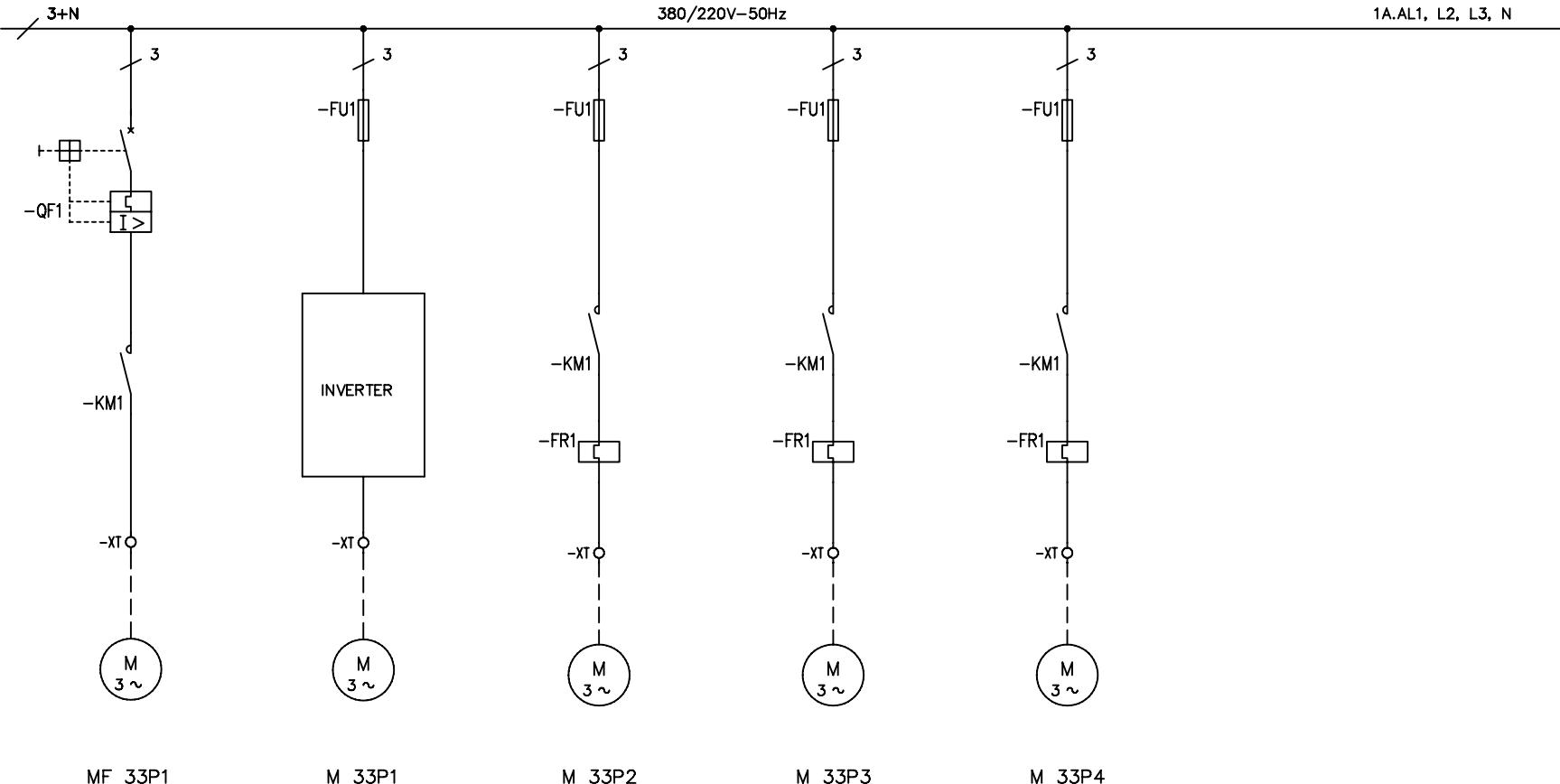




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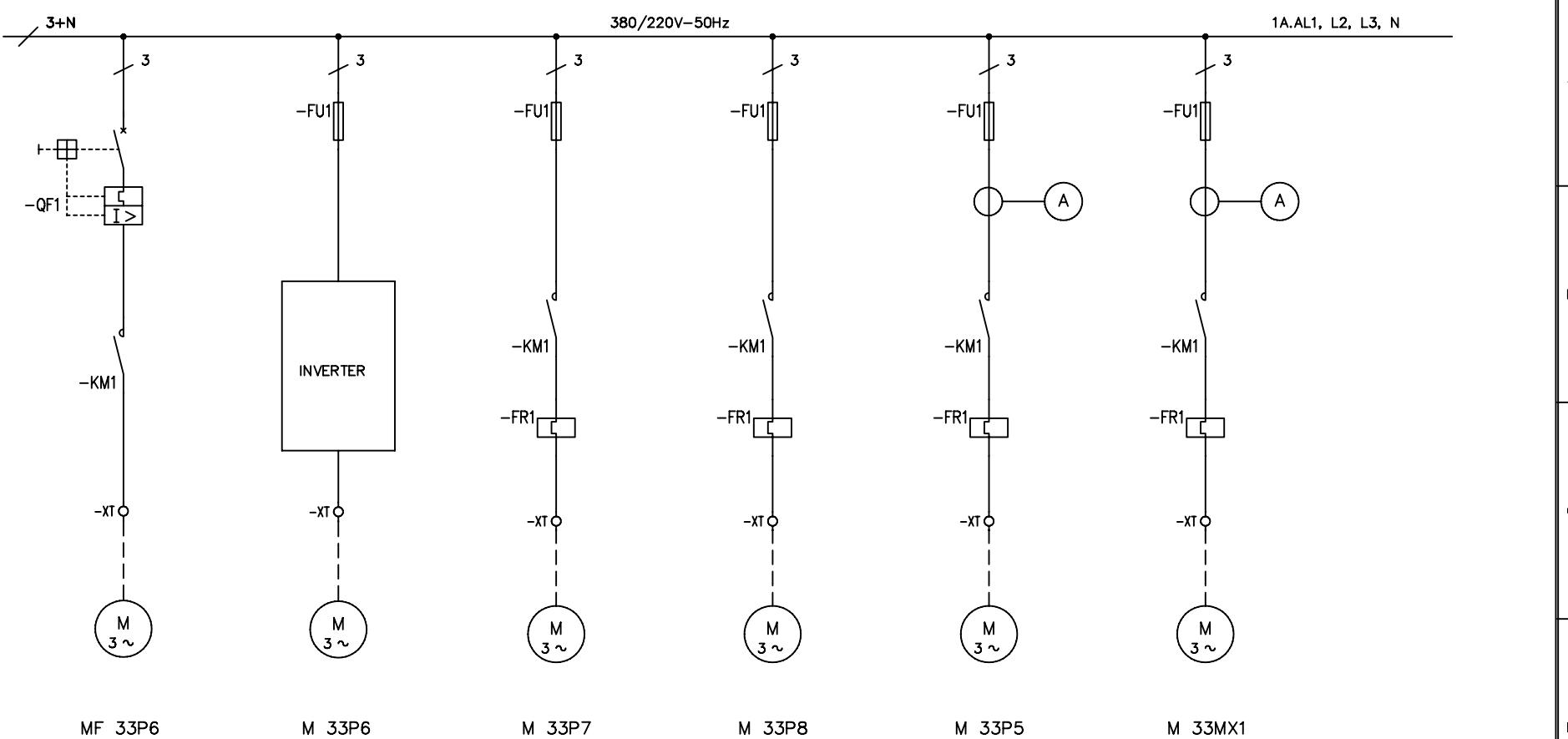
Moditech s.r.l.

CIRCUITO Feeder		+ 4B.A				+ 4B.B		+ 4B.C		+ 4B.D	
E DATI UTENZA Load Data	SIGLA Item DENOMINAZ. Service	AUXILIARY COOLING FAN	MOLTEN SULPHUR PUMP	MOLTEN SULPHUR PUMP	AUXILIARY COOLING FAN	LAB TRANSFER PUMP	ETHOX. ALCOHOL TRANSFER PUMP	A.O.S. TRANSFER PUMP			
	POTENZA NOMINALE Rated Power	0,019kW	0,55kW	0,55kW	0,019kW	4kW	4kW	4kW			
	DATI ELETTRICI Electrical Data	In Vn Hz	0,12A 380V 50Hz	1,6A 380V 50Hz	1,6A 380V 50Hz	0,12A 380V 50Hz	6,9A 380V 50Hz	6,9A 380V 50Hz	6,9A 380V 50Hz		
SCHEMI PARTICOLARI Particulary Diagramm											
POTENZA ASSORBITA Absorbed power											
F UNI A3	CABLAGGIO Wiring	6/2,5 mm ²	6/2,5 mm ²	6/2,5 mm ²	6/2,5 mm ²	6/2,5 mm ²	6/2,5 mm ²	6/2,5 mm ²	6/2,5 mm ²	6/2,5 mm ²	= 90.LVB.1
											+ 4B
	1 AFTER TEST	A. EMONTE	03/05/2010	SULPHUREX			ONE LINE DIAGRAM		Dis. 10.CC1K2544.E01		
rev.	0 FIRST ISSUE	A. EMONTE	16/02/2010				drawing's title:		Job: 1E35	dwg. 1E35-75-001	sheet 036 037 n.sh
	Issue Description	Author	Date								
It. DIN 6771/Teil 5 1		2	3	4	5	6	7	8			



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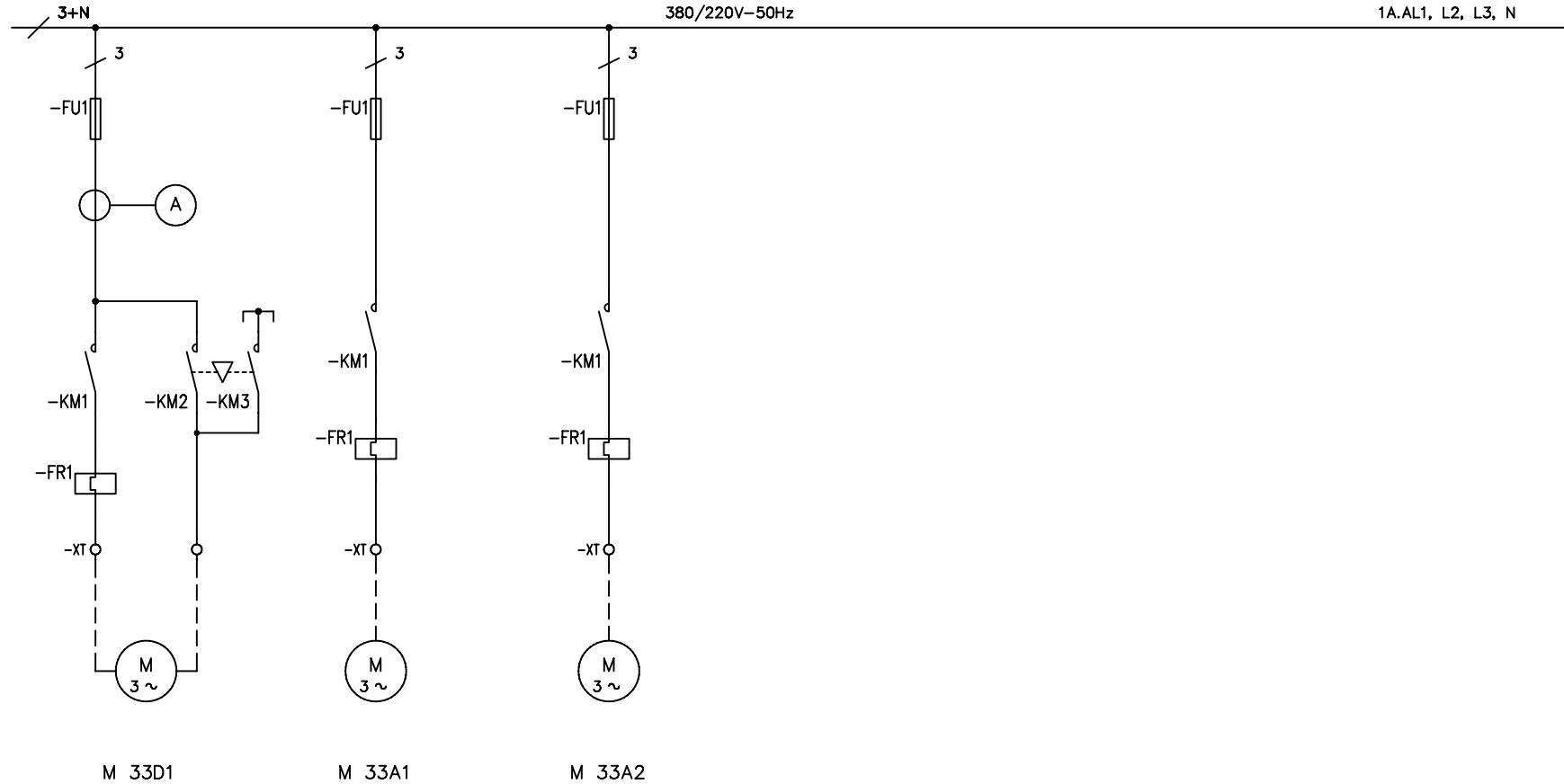
Moditech s.r.l.



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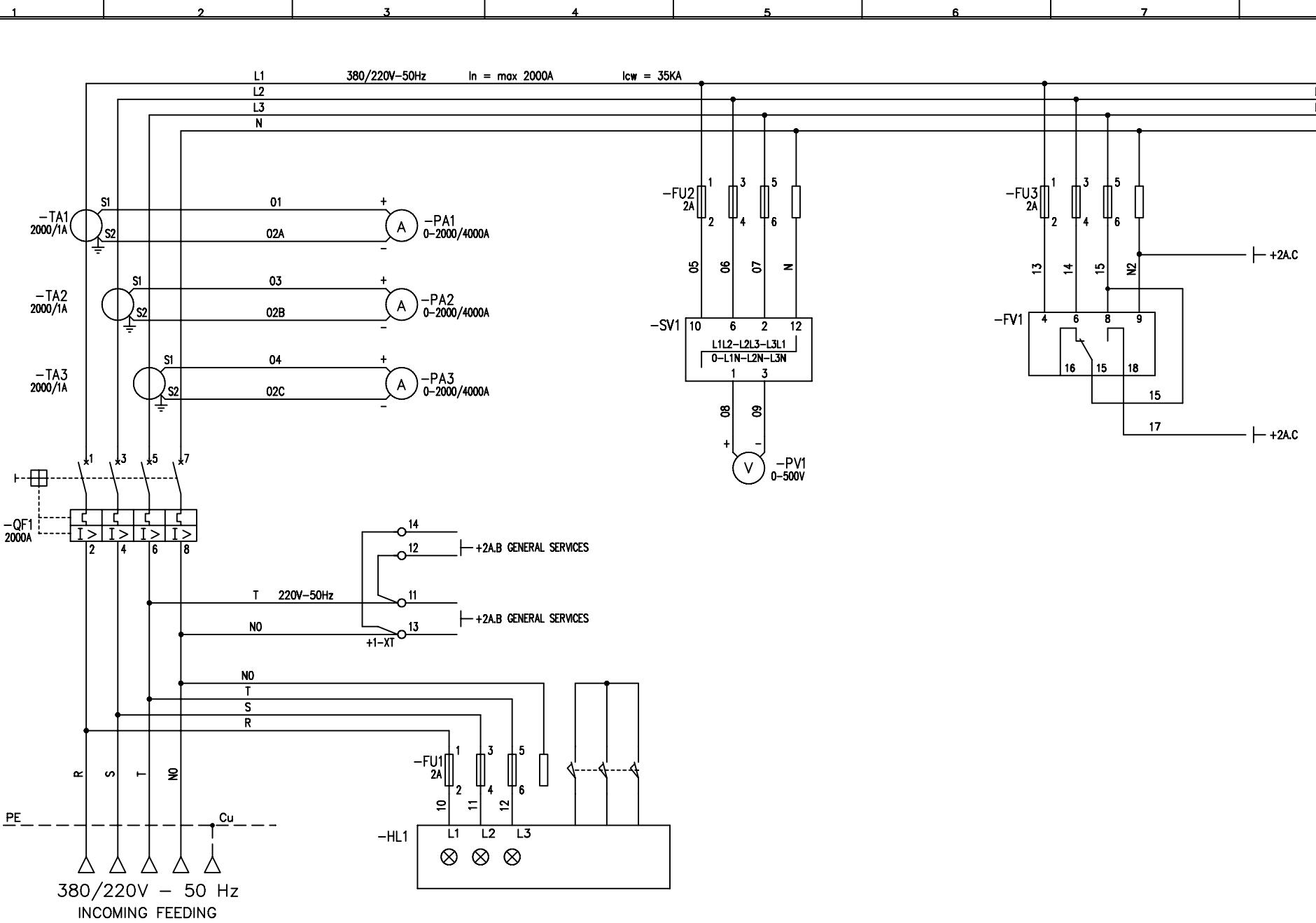
Moditech s.r.l.

CIRCUITO Feeder		+ 2.B.A		+ 2.B.B	+ 2.B.C		+ 2.B.D	+ 2.B.E	
E DATI UTENZA Load Data	SIGLA Item DENOMINAZ. Service	AUXILIARY COOLING FAN	WATER/NaOH PROP. PUMP	PASTE TRANSF. PUMP	PASTE TRANSF. PUMP	VACUUM PUMP	NEUTRALIZATION MIXER		
	POTENZA NOMINALE Rated Power	0,056kW	15kW	7,5kW	7,5kW	11kW	22kW		
	DATI ELETTRICI Electrical Data	In Vn Hz	0,32A 380V 50Hz	29A 380V 50Hz	15,1A 380V 50Hz	15,1A 380V 50Hz	22A 380V 50Hz	42,5A 380V 50Hz	
SCHEMI PARTICOLARI Particulary Diagramm									
POTENZA ASSORBITA Absorbed power									
F UNI A3	CABLAGGIO Wiring	6/2,5 mm ²	10 mm ²	6 mm ²	6 mm ²	25 mm ²	25 mm ²		
								= 90.LVB.1	
1	AFTER TEST	A. EMONTE	03/05/2010	SULPHUREX		ONE LINE DIAGRAM	Dis. 10.CC1K2544.E01		+ 2B
0	FIRST ISSUE	A. EMONTE	16/02/2010				Job: 1E35	dwg. 1E35-75-001	sheet 038 039 n.sh
rev.	Issue Description	Author	Date			drawing's title:			
It. DIN 6771/Teil 5 1	2	3	4	5	6	7	8		



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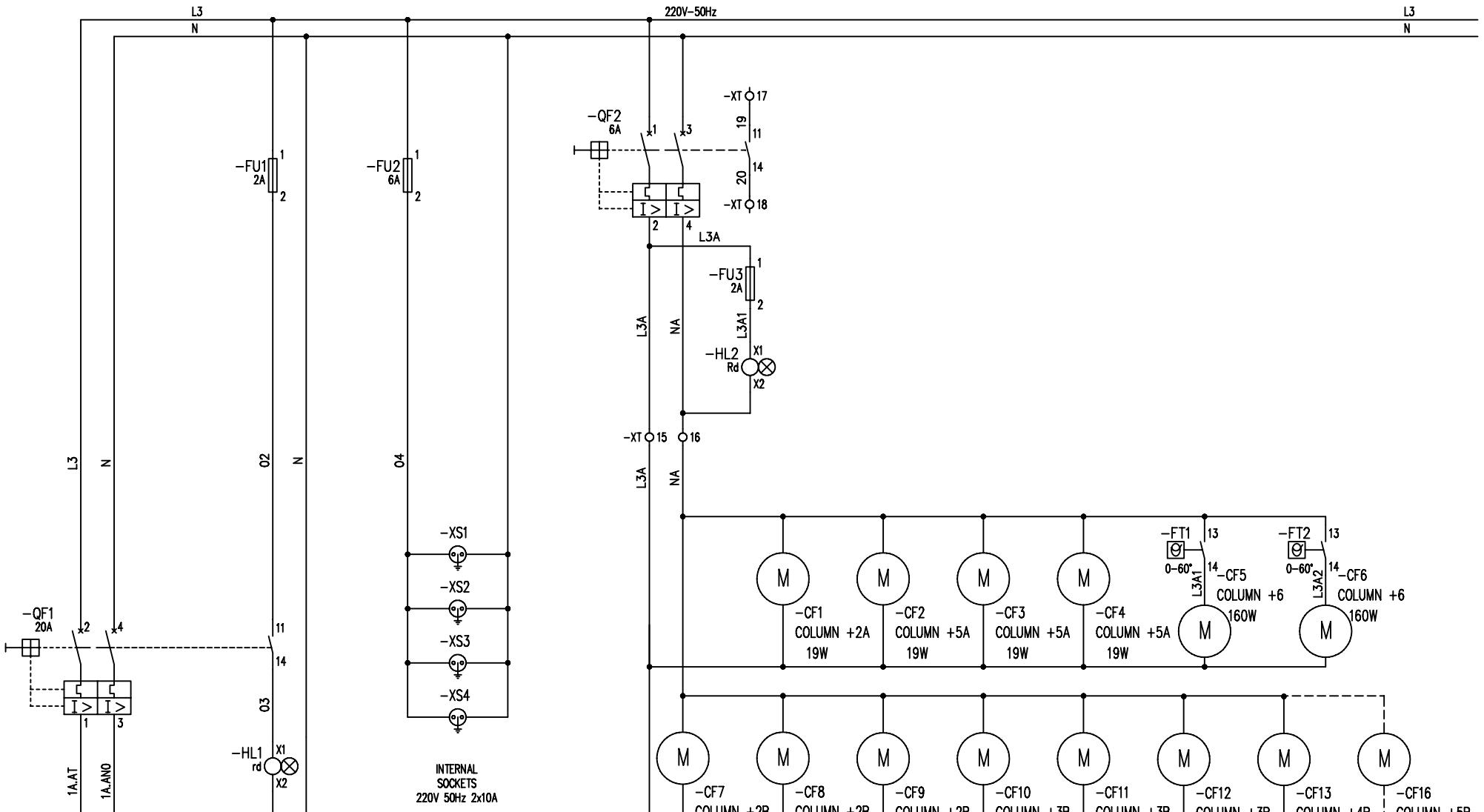


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UNI A3				
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	
rev.	Issue Description	Author	Date	





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Moditechs.r.l.

It.	DIN 6771/Teil 5	1	2	3	4	5	6	7	8
1	AFTER TEST	A. EMONTE	03/05/2010						
0	FIRST ISSUE	A. EMONTE	16/02/2010						
rev.	Issue	Description	Author	Date					

SULPHUREX



WIRING DIAGRAM
GENERAL SERVICES
220V-50Hz

drawing's title:

Dis. 10.CC1K2544.E01

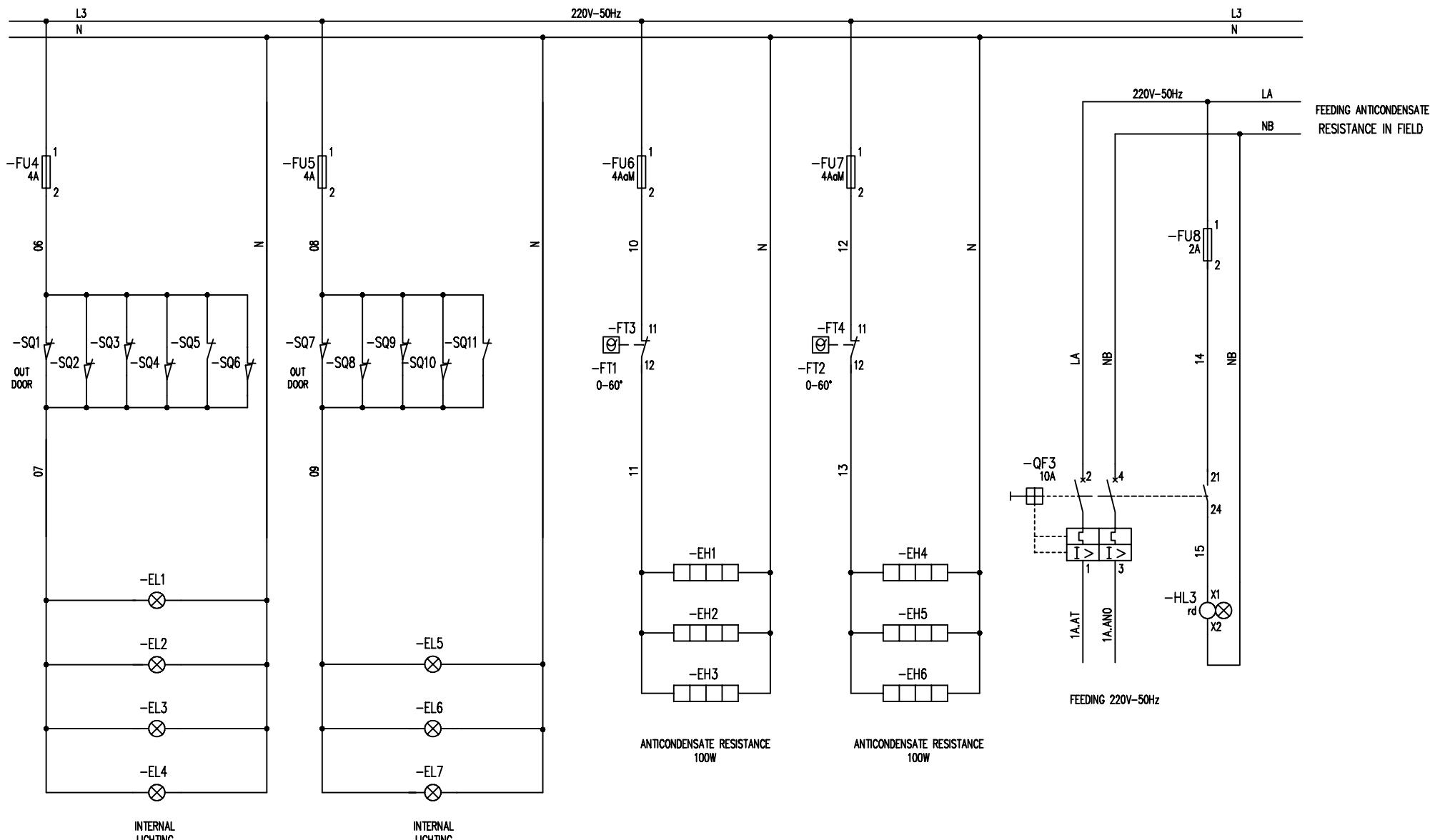
Job: 1E35

= 90.LVB.1
+ 2AB
(A)

sheet 047
048 n.sh

dwg.

1E35-75-001



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1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date

SULPHUREX



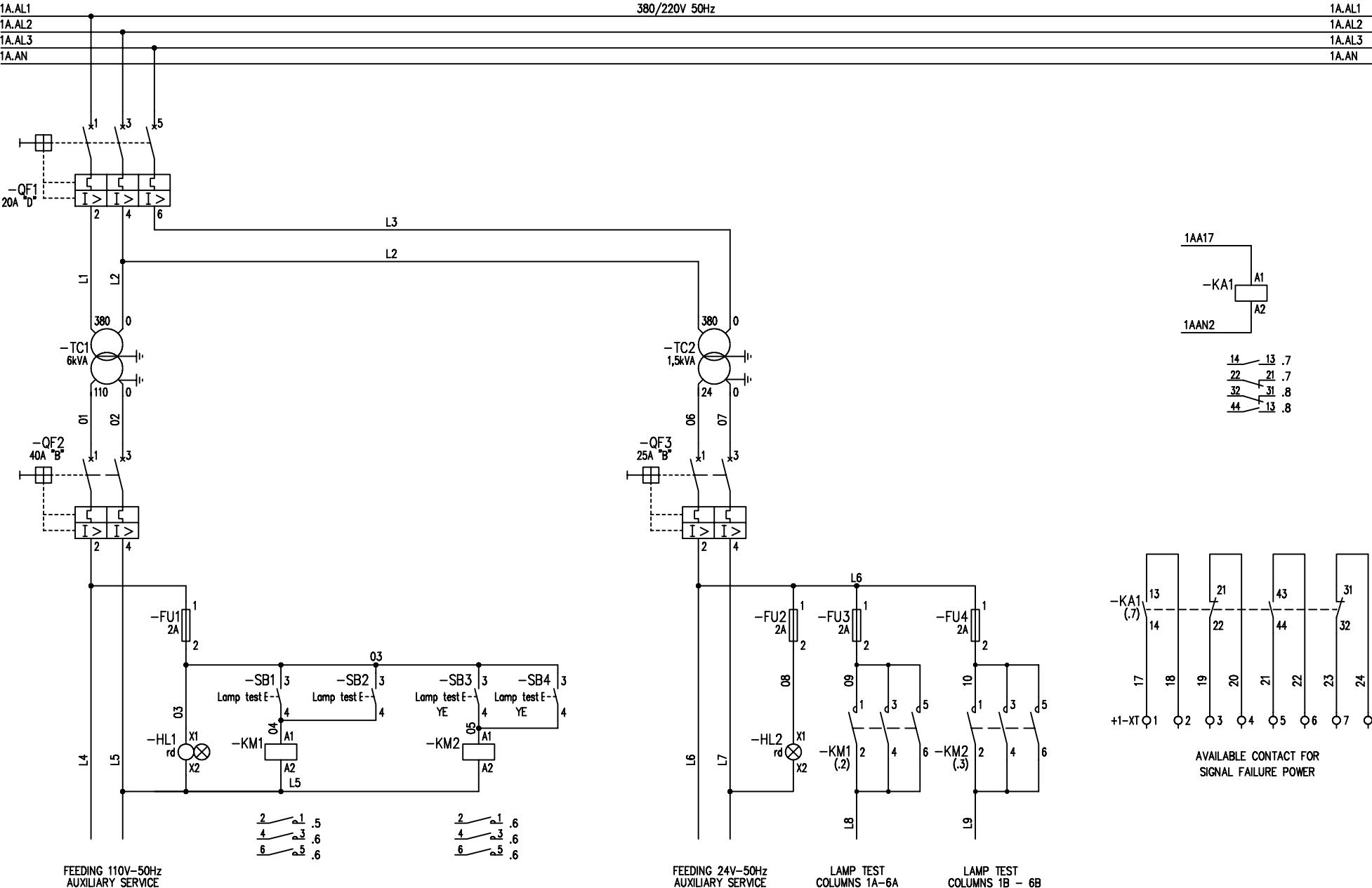
WIRING DIAGRAM
GENERAL SERVICES
220V-50Hz
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35

Moditech s.r.l.

= 90.LVB.1
+ 2AB
(B)
sheet 048
049 n.sh



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Moditechs.r.l.

= 90.LVB.1
+ 2AC
sheet 049
050 n.sh

UNI A3				
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	
rev.	Issue Description	Author	Date	

SULPHUREX

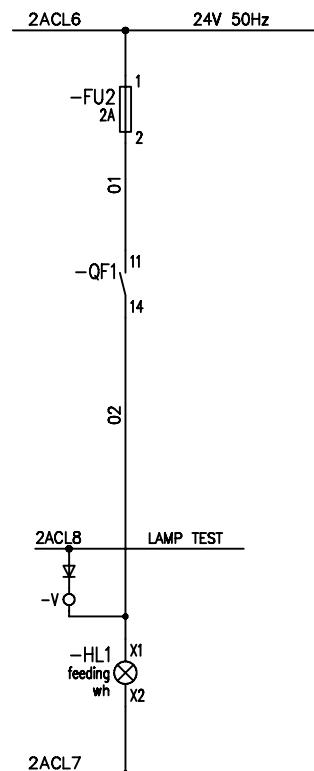
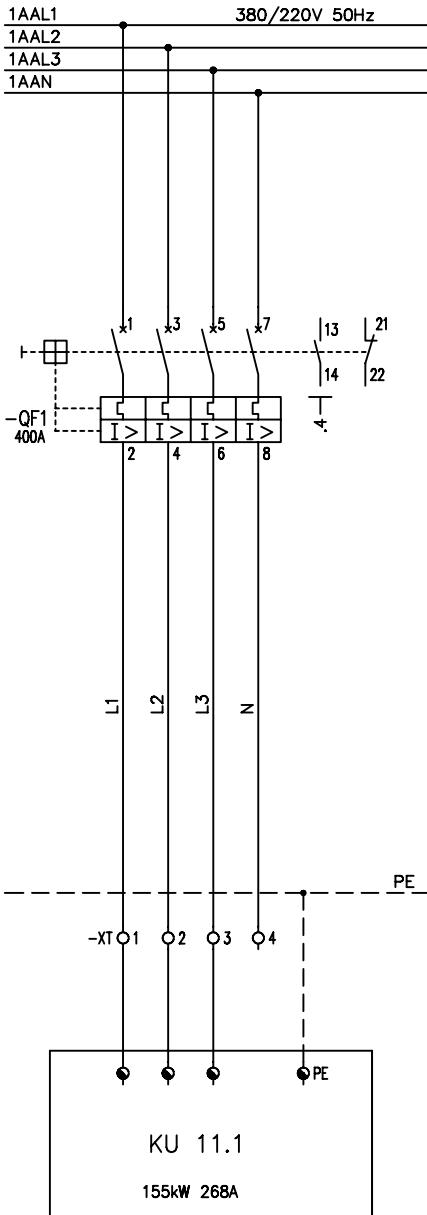


WIRING DIAGRAM
AUXILIARY SERVICES
110V-50Hz / 24-50Hz
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

dwg. sheet 049
050 n.sh



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Moditechs.r.l.

1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue	Description	Date

SULPHUREX



WIRING DIAGRAM
KU 11.1
CHILLING GROUP
11RG1
drawing's title:

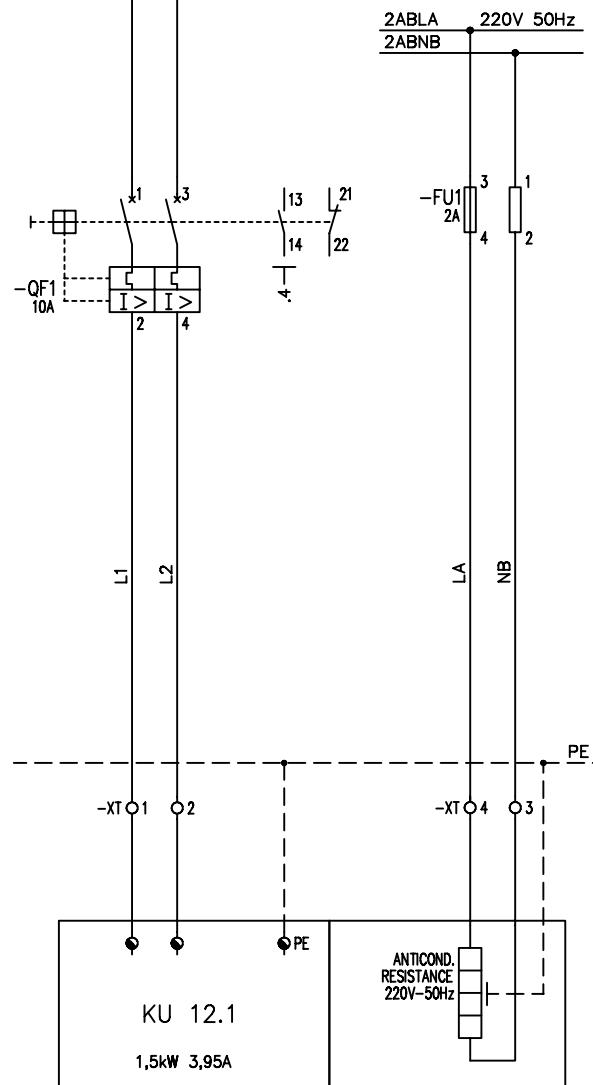
Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 2AD
sheet 050
051 n.sh

1AAL1
1AAL2
1AAL3
1AAN

380/220V 50Hz



2ACL6 24V 50Hz

-FU2 2A

-QF1 11 14

01 02

2ACL8 LAMP TEST

-HL1 feeding wh X1 X2

2ACL7

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UNI A3

1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date

SULPHUREX



WIRING DIAGRAM
KU 12.1
SULPHUR IGNITER 12H2
L.C.P.
drawing's title:

Dis. 10.CC1K2544.E01

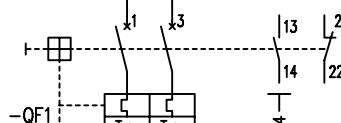
Job: 1E35 1E35-75-001

= 90.LVB.1
+ 2AE
sheet 051
052 n.sh

1 2 3 4 5 6 7 8

1AAL1
1AAL2
1AAL3
1AAN

380/220V 50Hz



KU 14.1

28kW 54A

2ACL6 24V 50Hz

-FU2
2A
1
2

01

-QF1
11
14

02

2ACL8 LAMP TEST

-VO
X1
HL1 feeding
wn X2

2ACL7

Moditechs.r.l.

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1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue	Description	Date

SULPHUREX

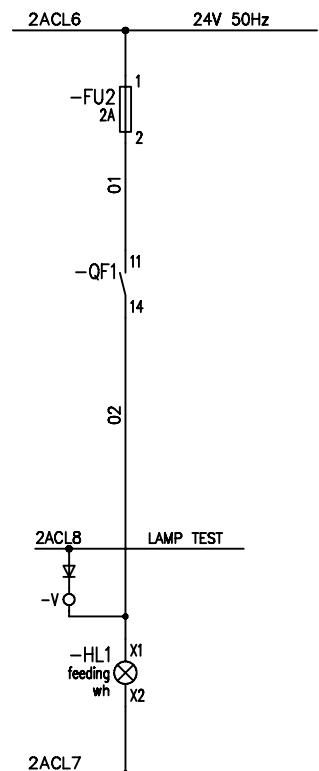
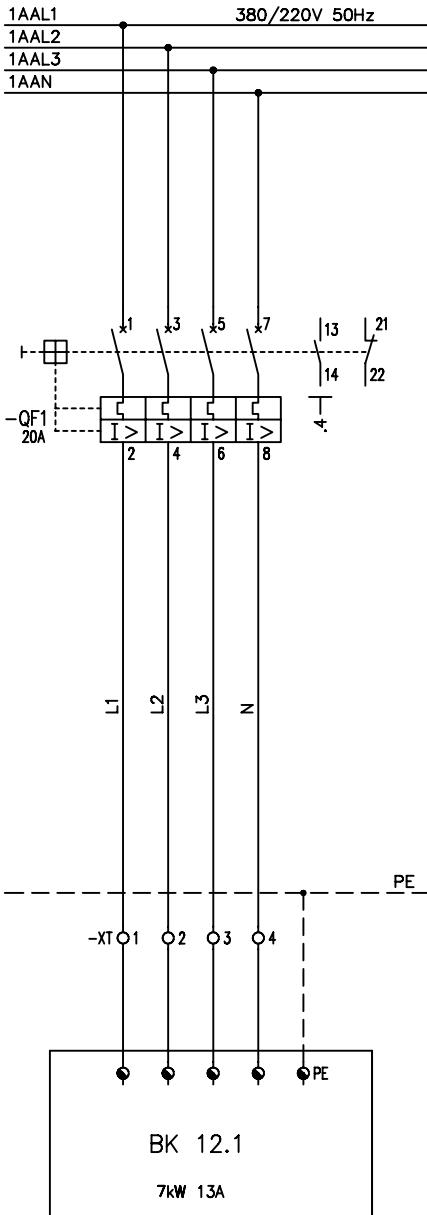


WIRING DIAGRAM
KU 14.1
ESP 14F1
CONTROL PANEL
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 2AF
sheet 052
053 n.sh



F

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Moditech s.r.l.

1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue	Description	Date

SULPHUREX



WIRING DIAGRAM
BK 12.1
BURNER 12H4

drawing's title:

Dis. 10.CC1K2544.E01

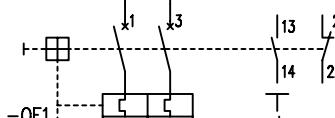
Job: 1E35 1E35-75-001

= 90.LVB.1
+ 2AG

sheet 053
054 n.sh

1AAL1
 1AAL2
 1AAL3
 1AAN

380/220V 50Hz



2ACL6 24V 50Hz

-FU2
2A
1
2

01
11
14

02

2ACL8 LAMP TEST

-VQ
X1
HL1 feeding
X2

2ACL7

90.CAB.1

1kVA 10A

F
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Moditechs.r.l.

1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue	Description	Date

SULPHUREX

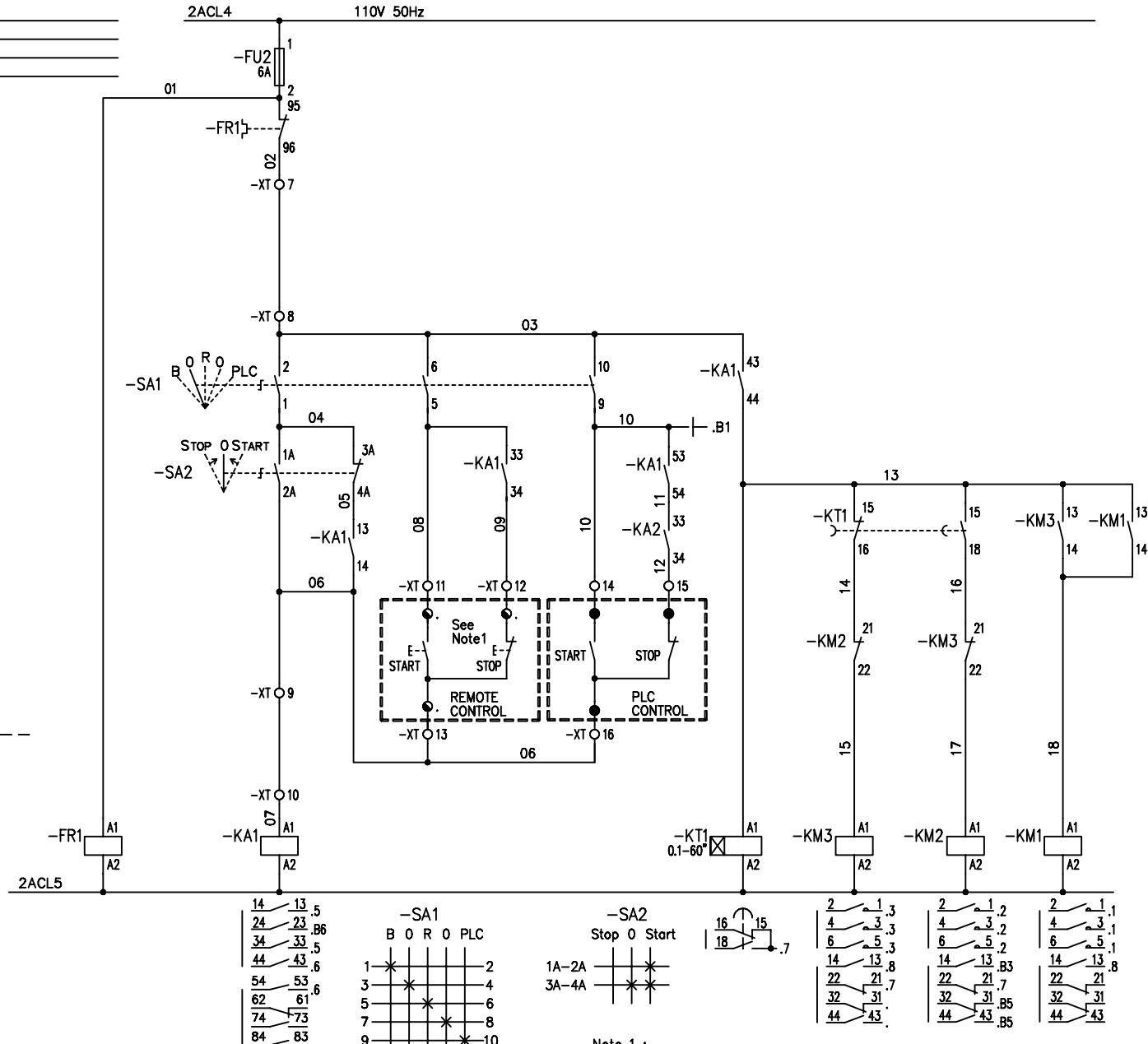
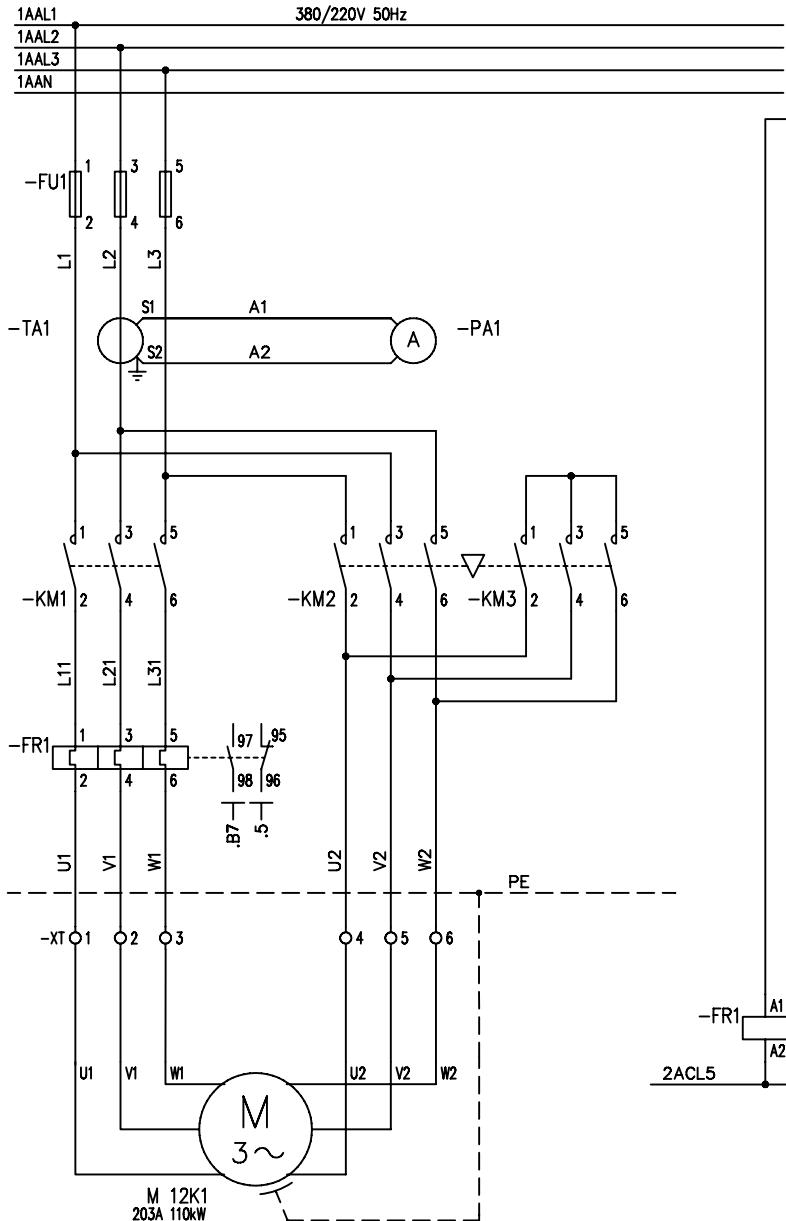


WIRING DIAGRAM
90.CAB.1
PLC CABINETS
GENERAL SERVICES
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 2AH
sheet 054
056 n.sh



14	13	5
24	23	.86
34	33	5
44	43	6
54	53	6
62	61	
74	73	
84	83	

-SA1 B 0 R 0 PLC

1	*	2
3	*	4
5	*	6
7	*	8
9	*	10

-SA2 Stop 0 Start

1	2	3	4	5	6	7
3	4	5	6	7	8	
5	6	7	8	9	10	
7	8	9	10	11	12	
9	10	11	12	13	14	

Note 1 :
Start-Stop Remote Control Station
Not installed
Installed

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UNI A3				
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	
rev.	Issue Description	Author	Date	

SULPHUREX



WIRING DIAGRAM
M 12K1
COOLING AIR FAN
drawing's title:

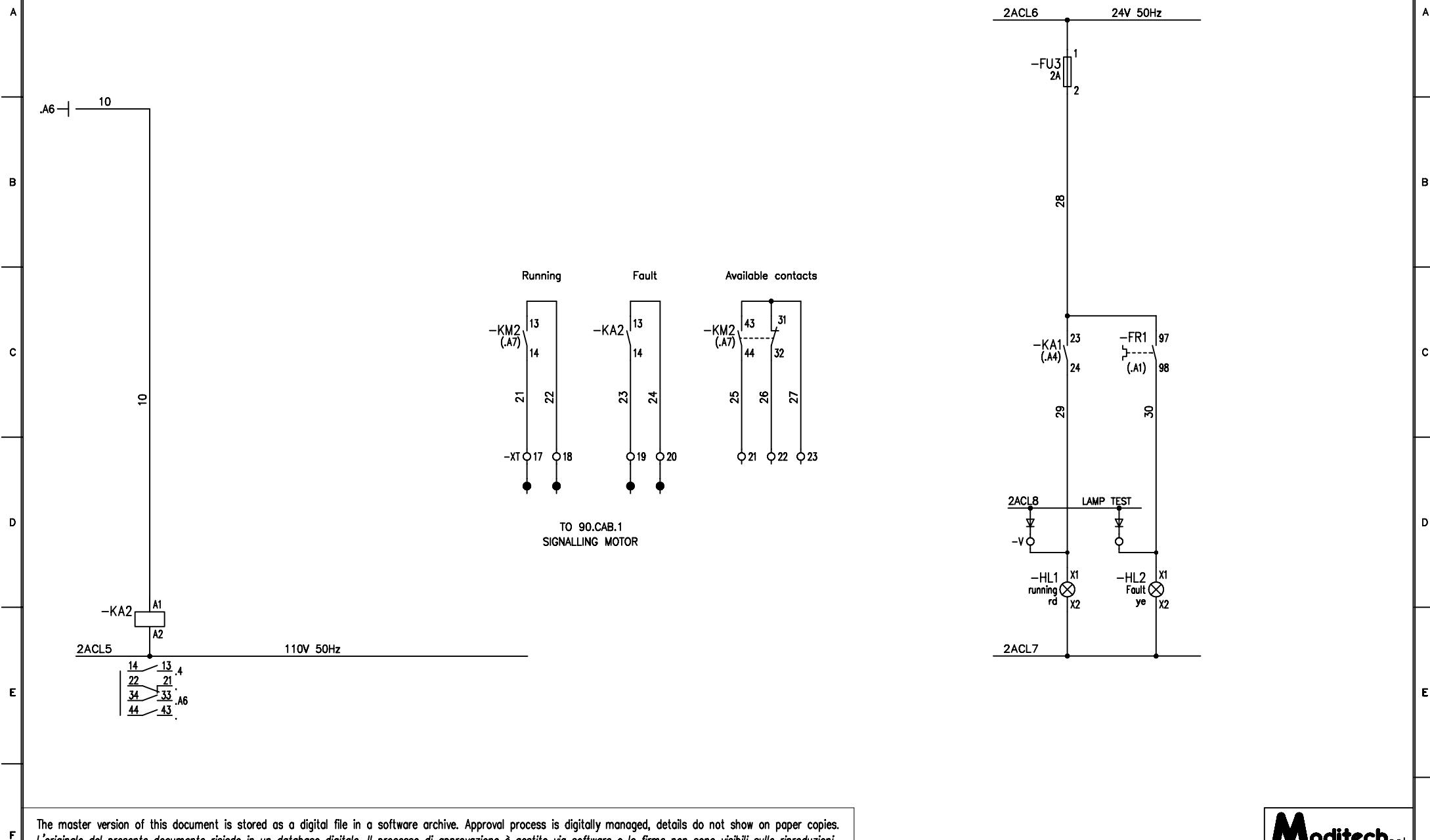
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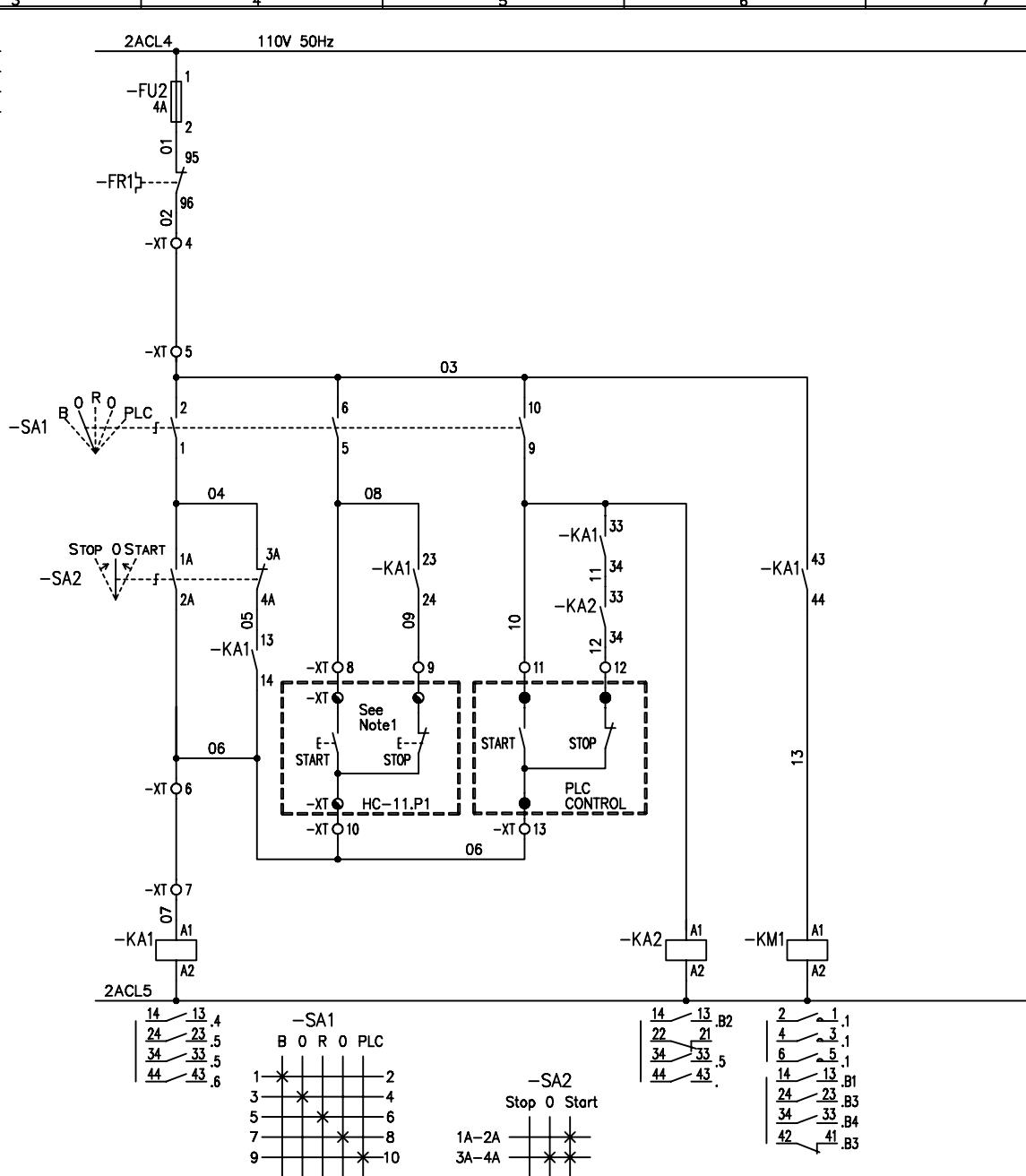
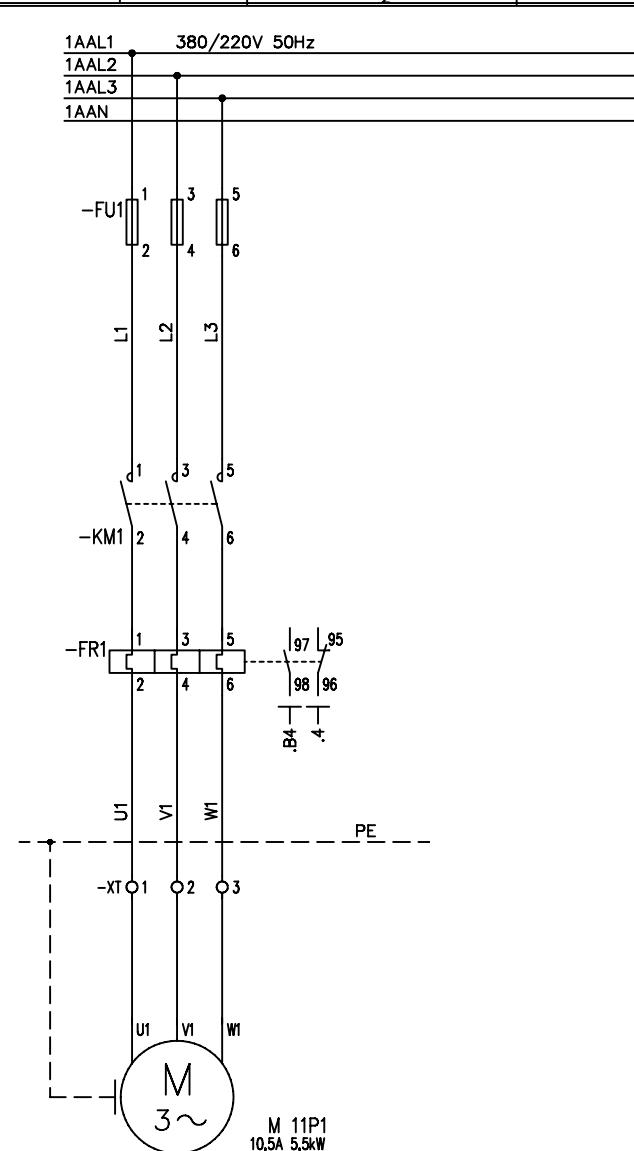
Job: 1E35

Moditech s.r.l.

= 90.LVB.1
+ 3AA
(A)
sheet 056
057 n.sh

1 2 3 4 5 6 7 8





Note 1 :
Start-Stop Remote Control Station
Not installed
Installed

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It.	DIN 6771/Teil 5	1	2
1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date

SULPHUREX



WIRING DIAGRAM
M 11P1
GLYCOL SOLUT.
RECIRCUL. CENTRIFUGAL PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35

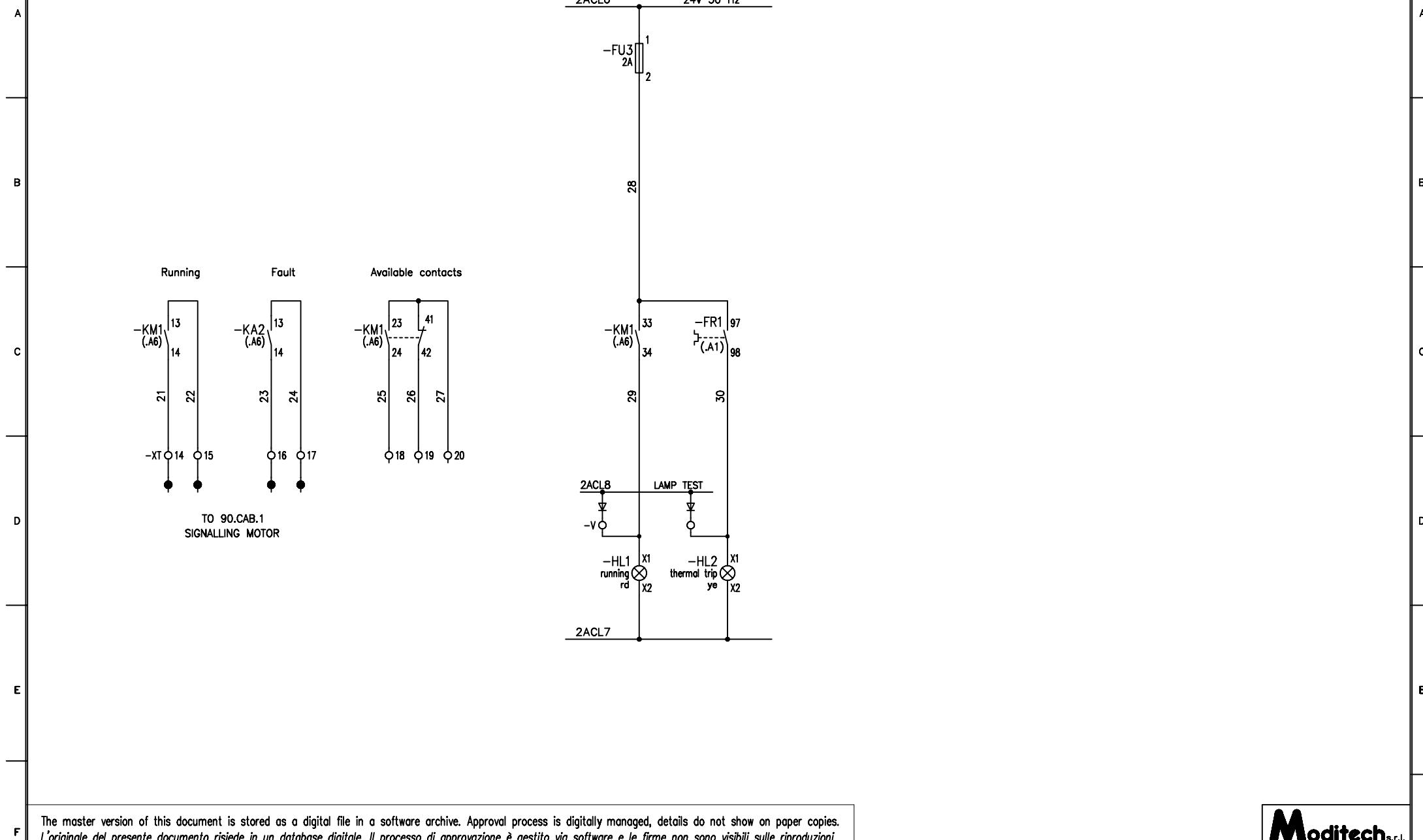
= 90.LVB.1
+ 3AB
(A)

sheet 058
059 n.sh

Moditech s.r.l.

dwg. 1E35-75-001

1 2 3 4 5 6 7 8



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Moditech s.r.l.

It.	DIN 6771/Teil	5	1	2	3	4	5	6	7	8
1	AFTER TEST									
0	FIRST ISSUE									
rev.	Issue	Description	Author	Date						

SULPHUREX

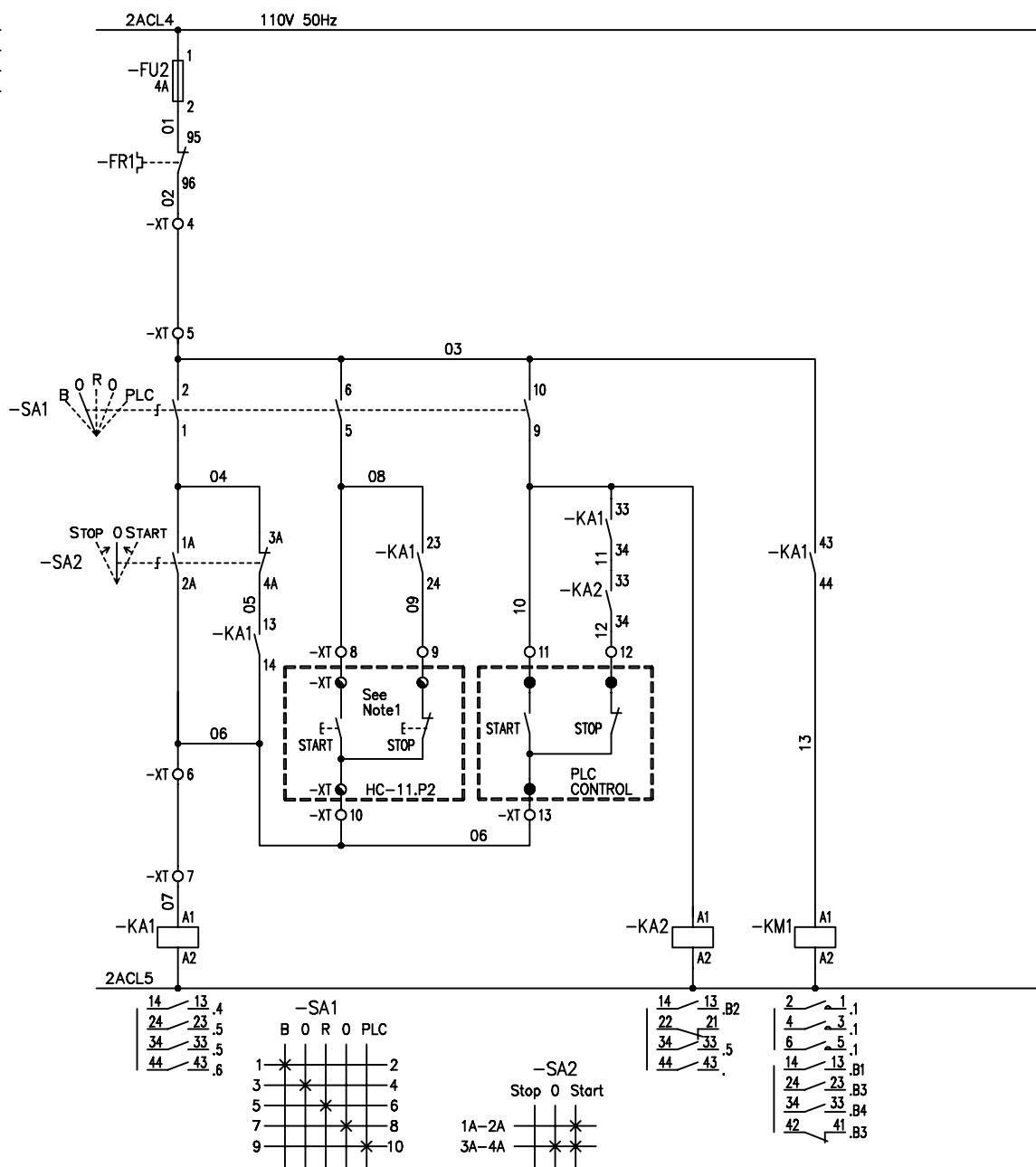
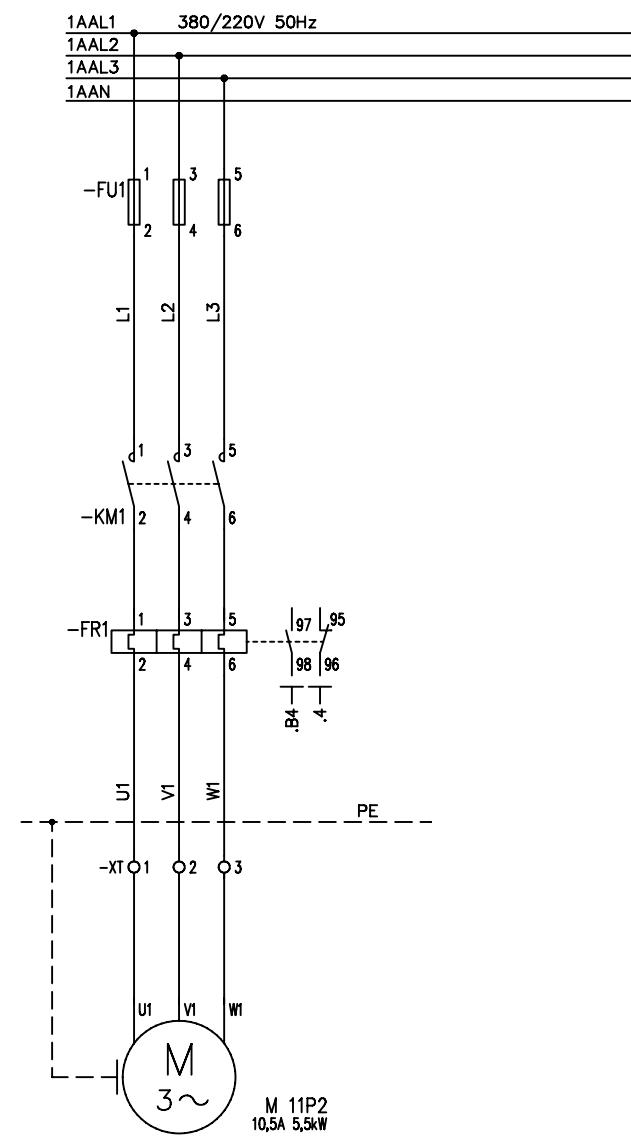


WIRING DIAGRAM
M 11P1
GLYCOL SOLUT.
RECIRCUL. CENTRIFUGAL PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 3AB
(B)
sheet 059
060 n.sh



Note 1 :
Start-Stop Remote Control Station
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UNI A3			
	1	AFTER TEST	A. EMONTE 03/05/2010
	0	FIRST ISSUE	A. EMONTE 16/02/2010
rev.	Issue Description	Author	Date

SULPHUREX



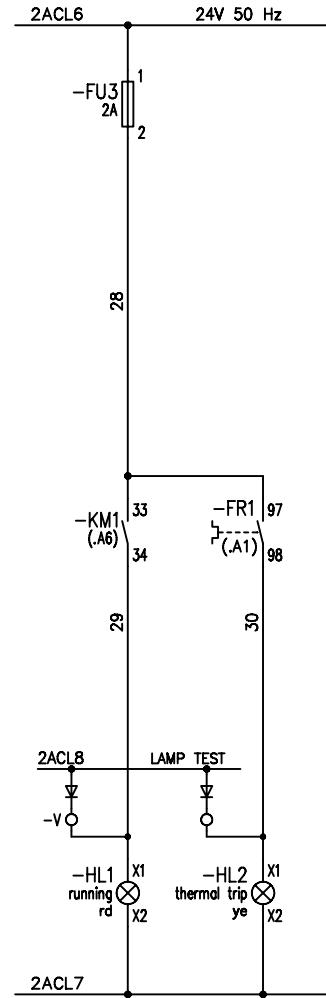
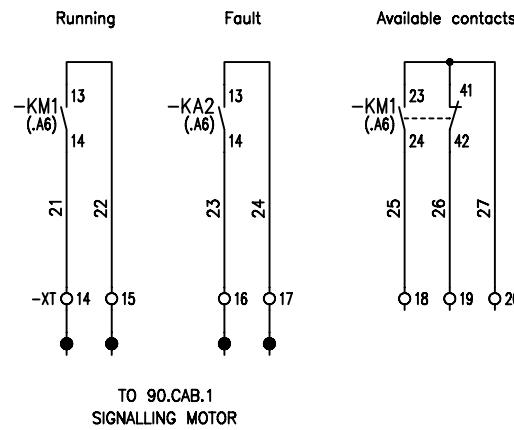
WIRING DIAGRAM
M 11P2
GLYCOL SOLUT.
RECIRCUL. CENTRIFUGAL PUMPS
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35

Moditech s.r.l.

= 90.LVB.1
+ 3AC
(A)



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UNI A3				
rev.	Issue	Description	Author	Date
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	

SULPHUREX



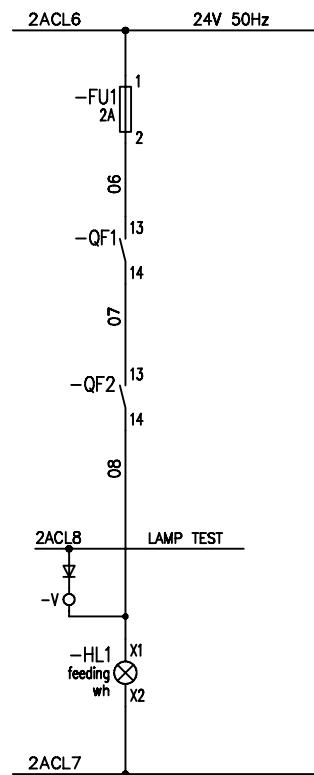
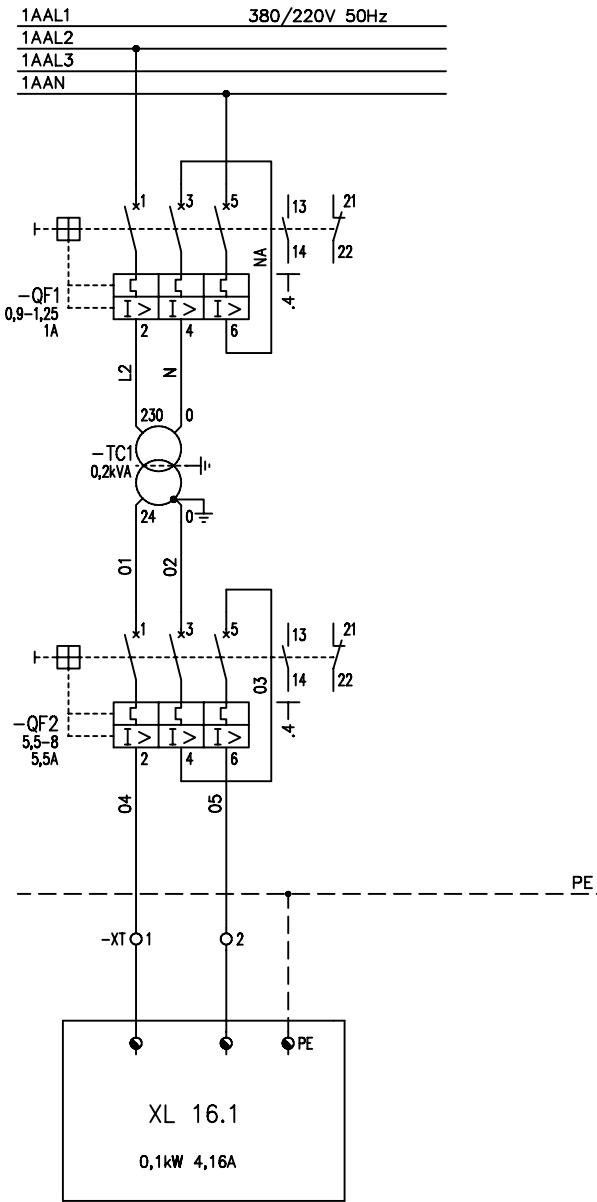
**WIRING DIAGRAM
M 11P2
GLYCOL SOLUT.
RECIRCUL. CENTRIFUGAL PUM
drawing's title:**

Dis. 10.CC1K2544.E01

P Job: 1E35

Moditech s.r.l.

= 90.LVB.1
+ 3AC
(B)



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	1	AFTER TEST	A. EMONTE	03/05/2010
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rev.	Issue	Description	Author	Date
It. DIN 6771/Teil 5	1			2

SULPHUREX

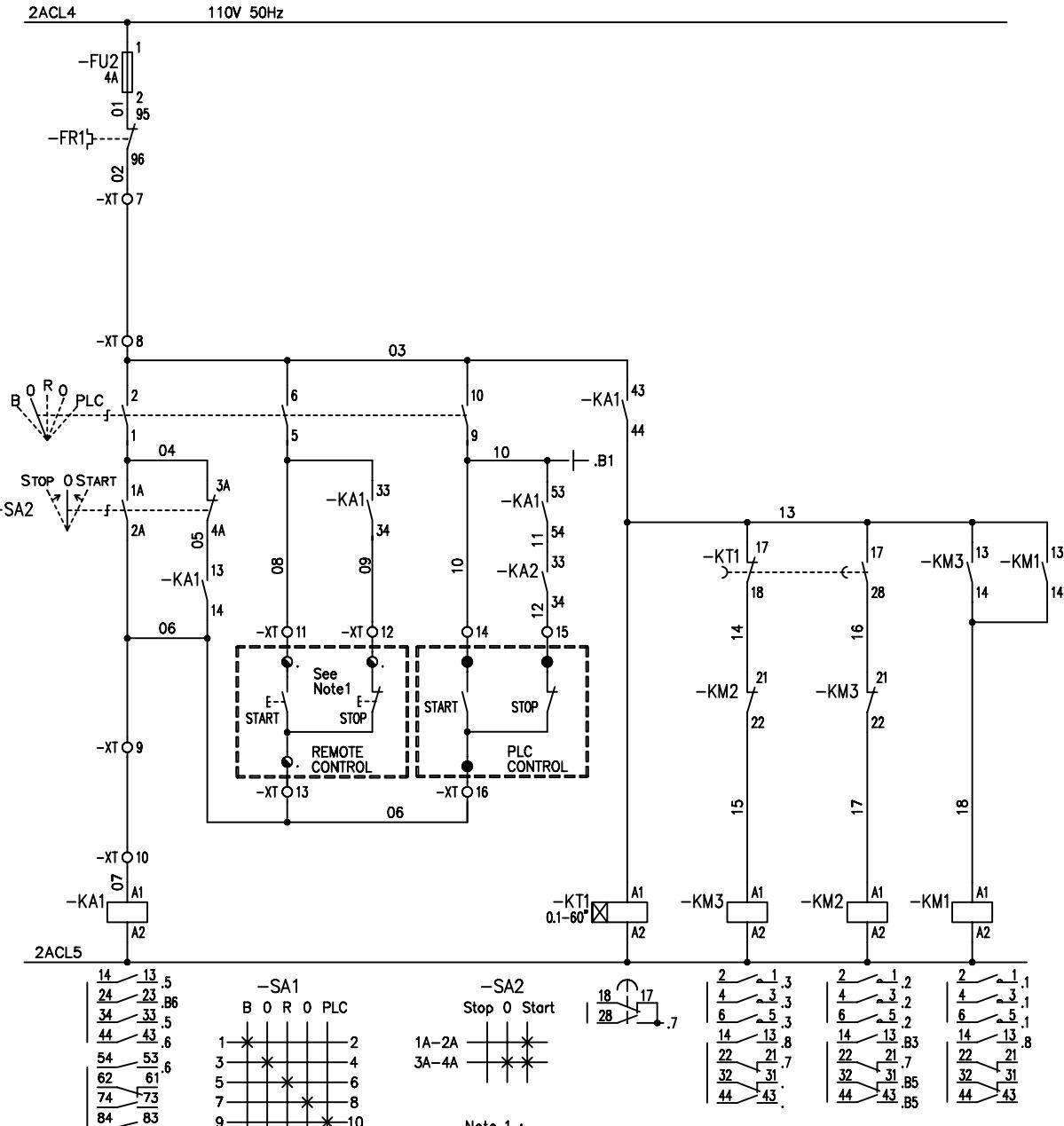
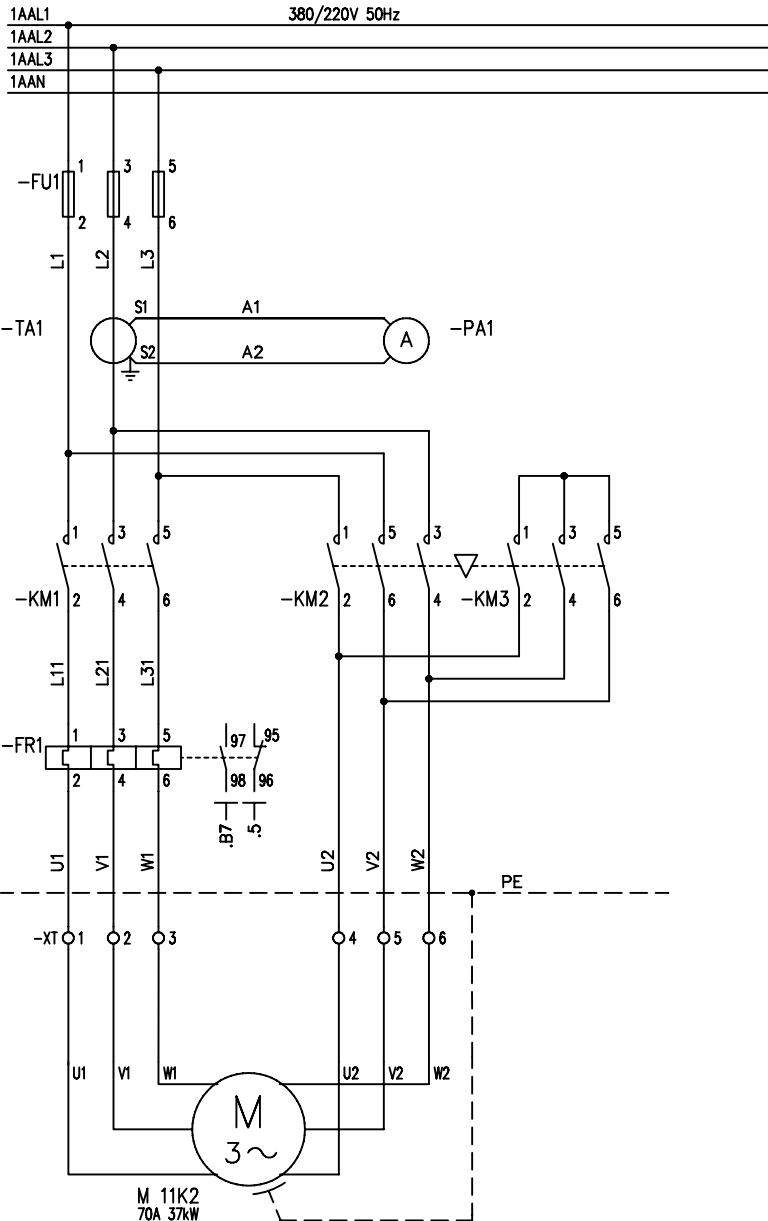


**WIRING DIAGRA
XL 16.1
REACTOR LAM**

Dis. 10.CC1K2544.E01

Job: 1E35

3AD



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Not installed
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UNI A3				
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	
rev.	Issue Description	Author	Date	

SULPHUREX

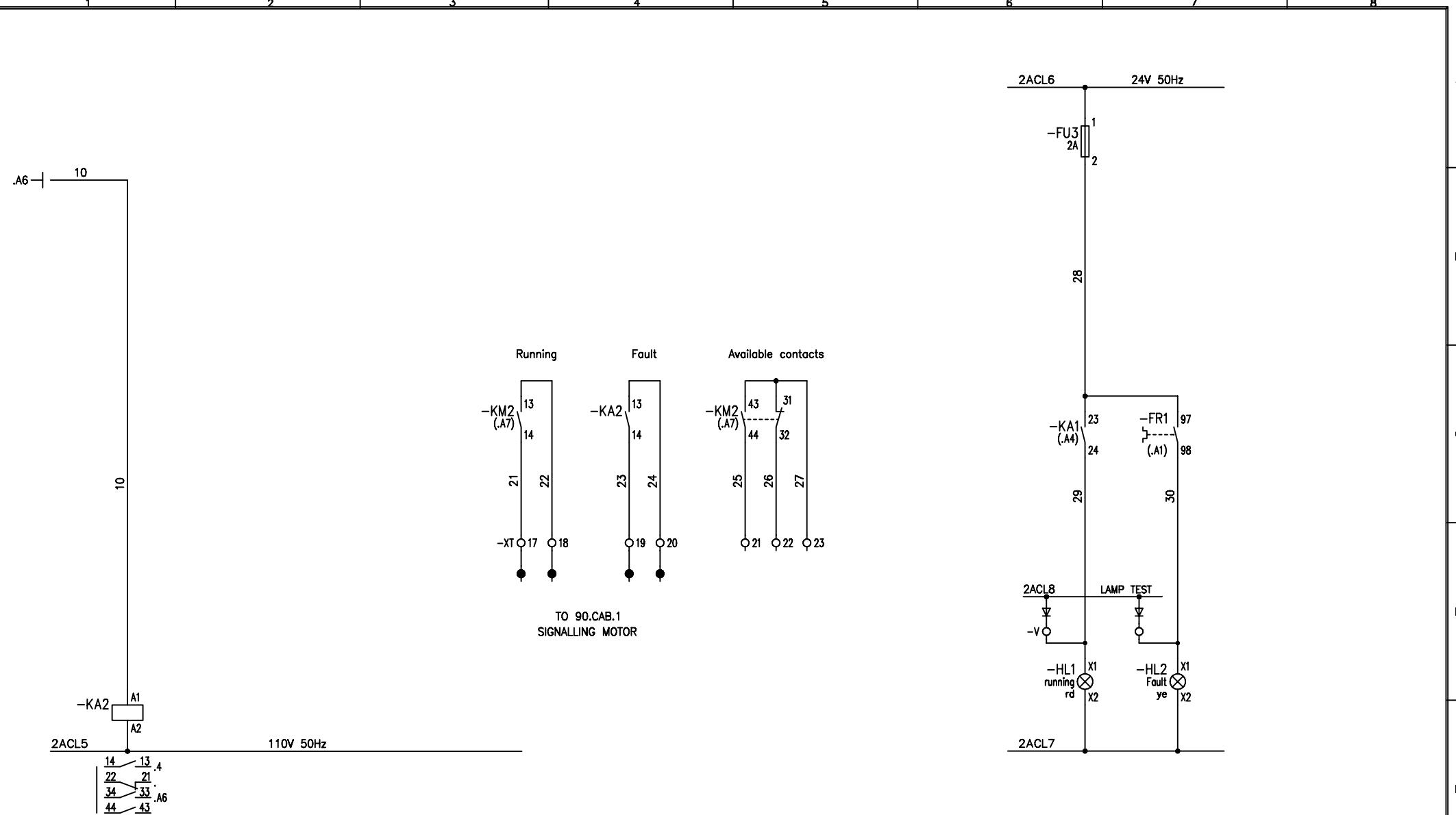


WIRING DIAGRAM
M 11K2
REGENERATION AIR FAN

Dis. 10.CC1K2544.E0

Job: 1E35

= 90.LVB.1
+ 4AA
(.A)
01 sheet 064
065 n.sh



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0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date

SULPHUREX



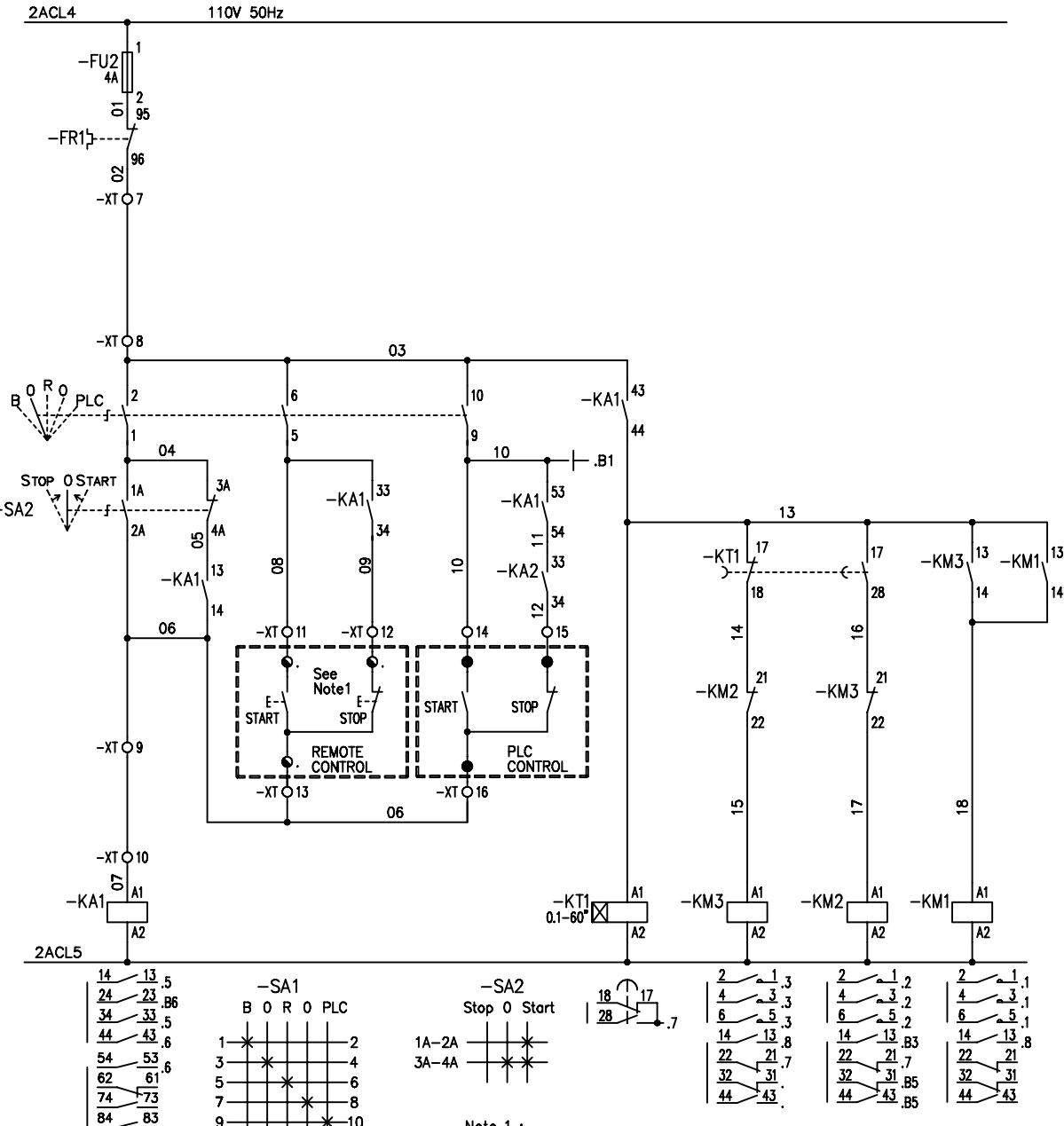
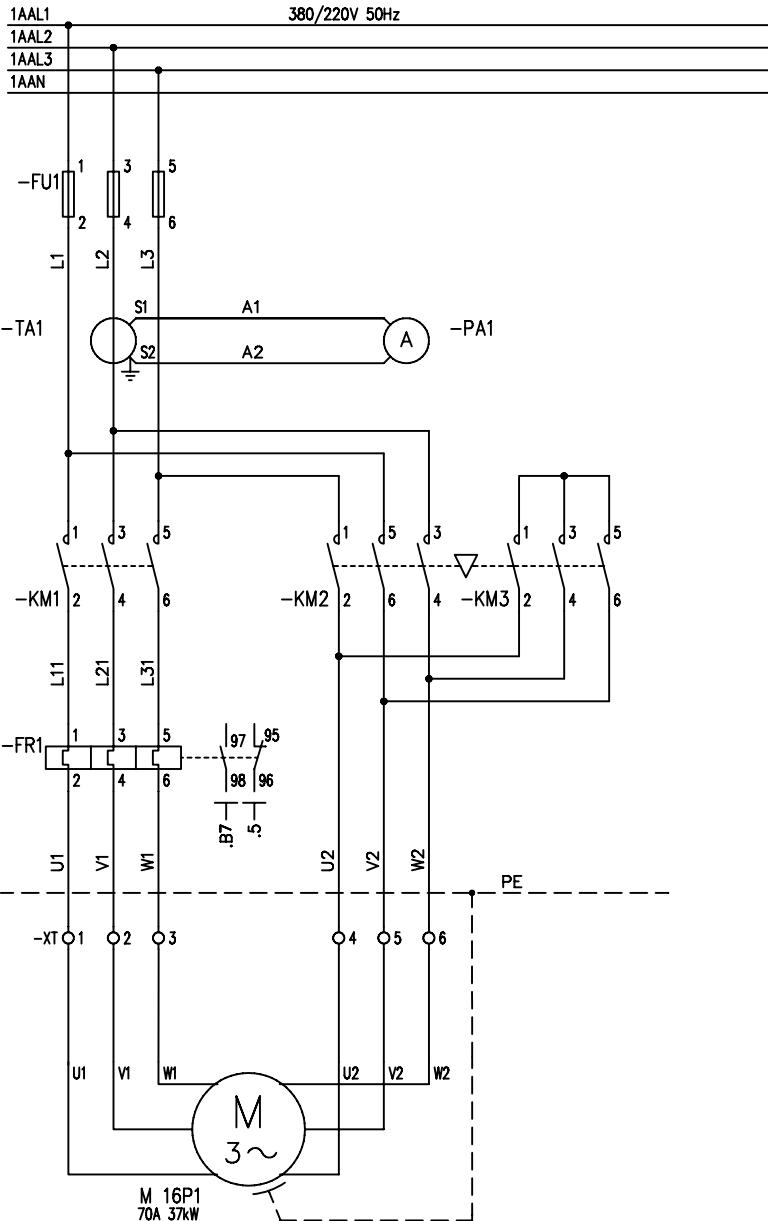
**WIRING DIAGRAM
M 11K2
REGENERATION AIR FA**

Dis. 10.CC1K2544.E01

Job: 1E35

Moditech s.r.l.

= 90.LVB.1
+ 4AA
(B)



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Note 1 :
Start-Stop Remote Control Station
Not installed
Installed



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	0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date	

SULPHUREX



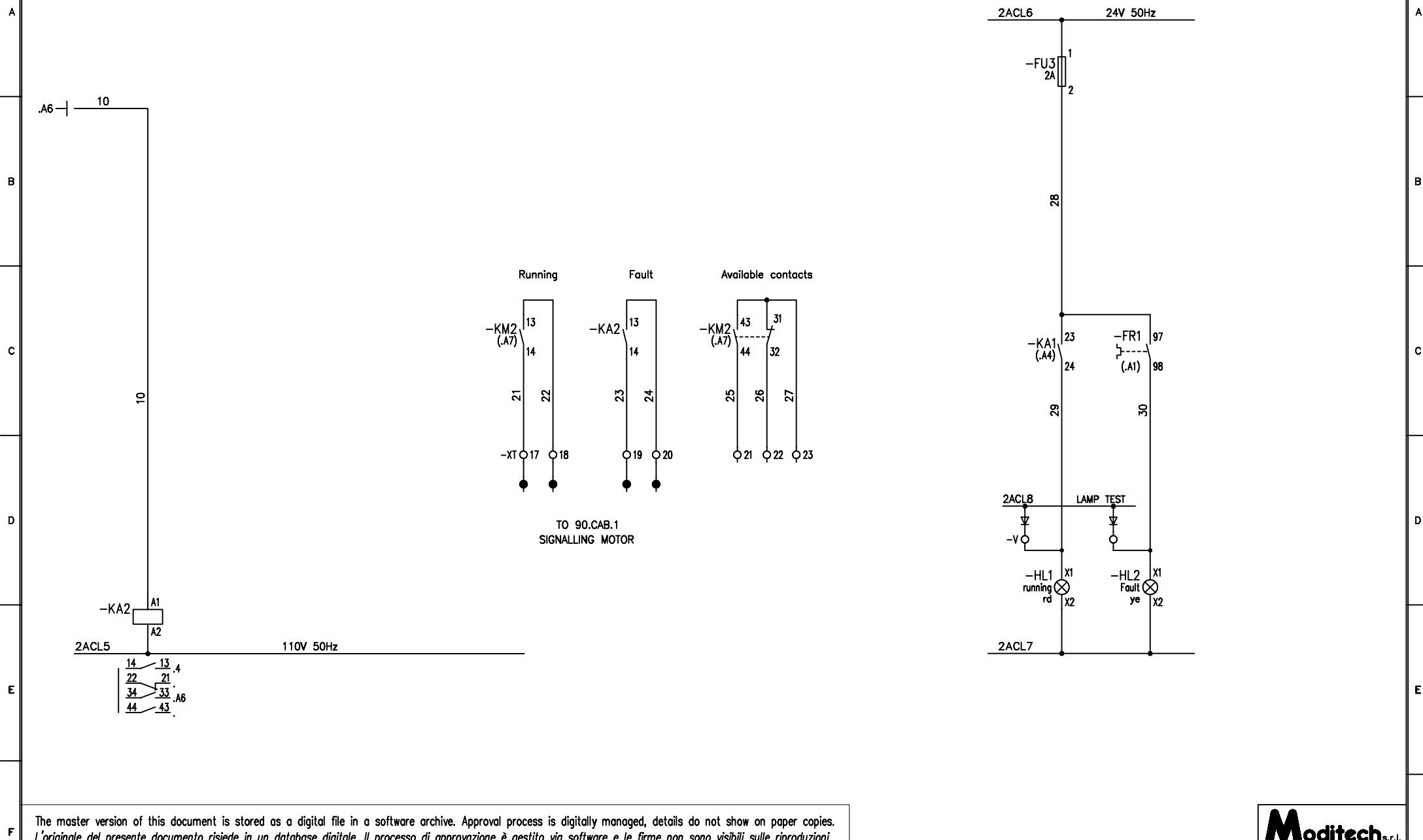
**WIRING DIAGRAM
M 16P1
COOLING WATER RECIRC. PUM**

Dis. 10.CC1K2544.E01

Job: 1E35

	= 90.LVB.1
1	+ 4AB
	(A)
1E35-75-001	sheet 066 067 n.sh

1 2 3 4 5 6 7 8



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Moditech s.r.l.

UNI A3	It. DIN 6771/Teil 5 1	2	3	4	5	6	7	8
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0	FIRST ISSUE	A. EMONTE	16/02/2010					
rev.	Issue Description	Author	Date					

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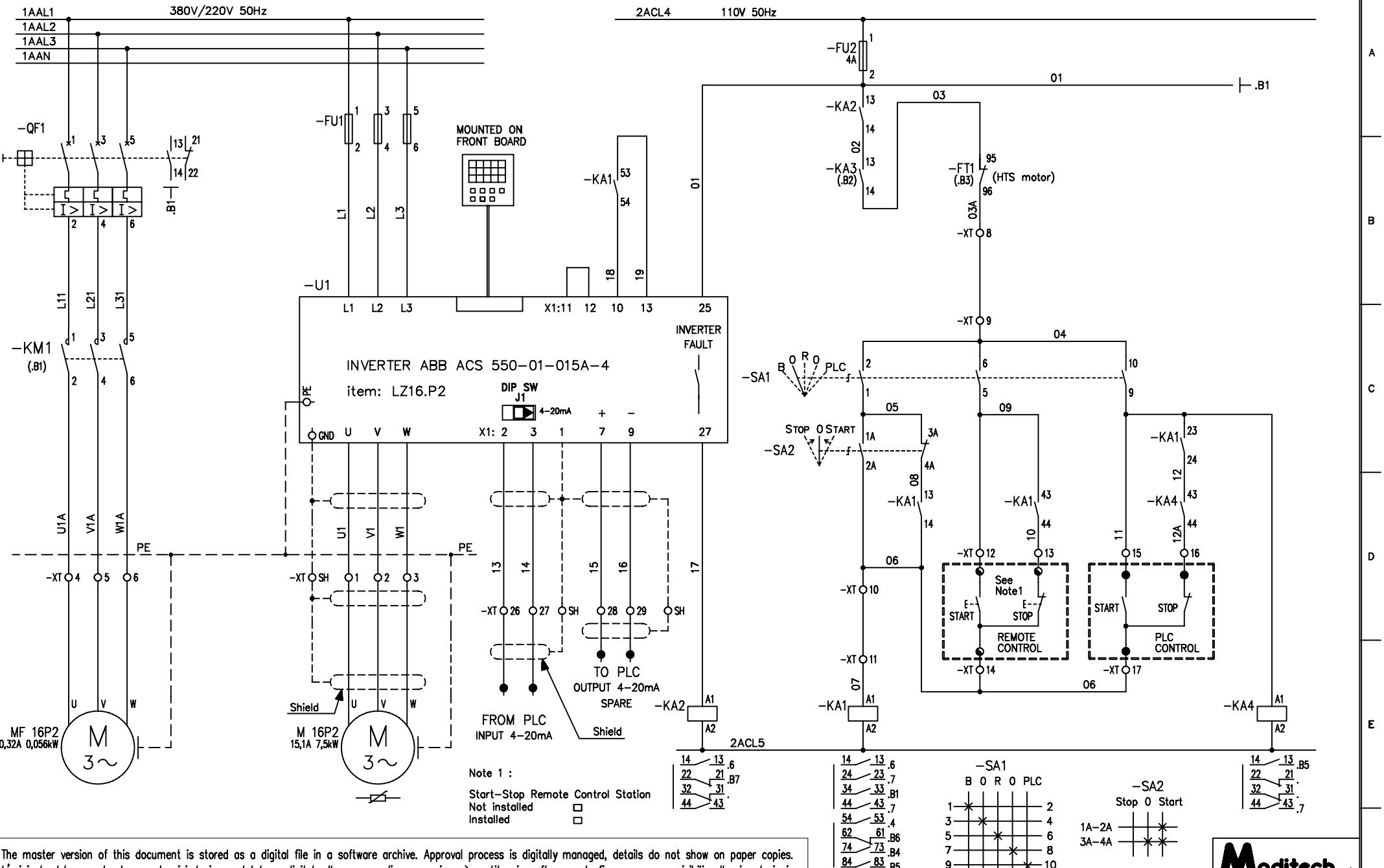


WIRING DIAGRAM
M 16P1
COOLING WATER RECIRC. PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 4AB
(B)
sheet 067
dwg. 068 n.sh



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It.	DIN 6771/Teil	5	1	2	3	4	5	6	7	8
1	AFTER TEST									
0	FIRST ISSUE	A. EMONTE	03/05/2010							
rev.	Issue Description	Author	Date							

SULPHUREX



WIRING DIAGRAM
M 16P2
SULPHURIC ACID TRANSFER
GEAR PUMP
drawing's title:

Dis. 10.CC1K2544.E01

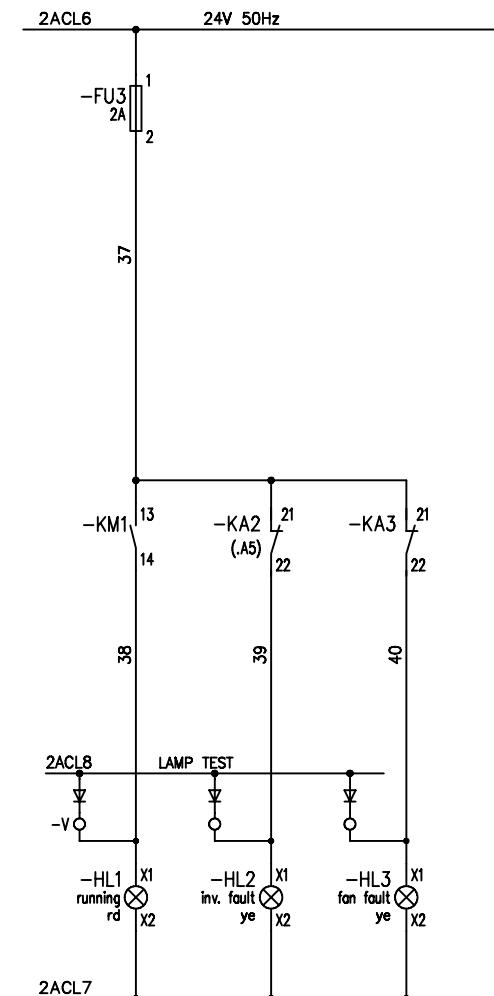
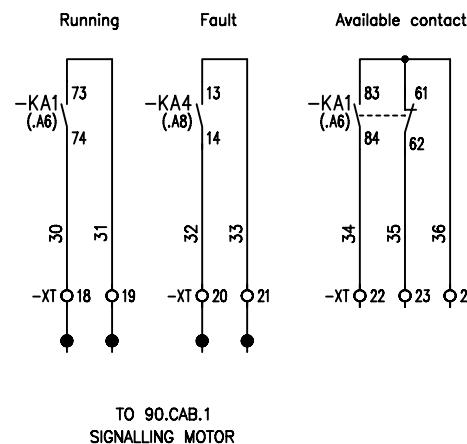
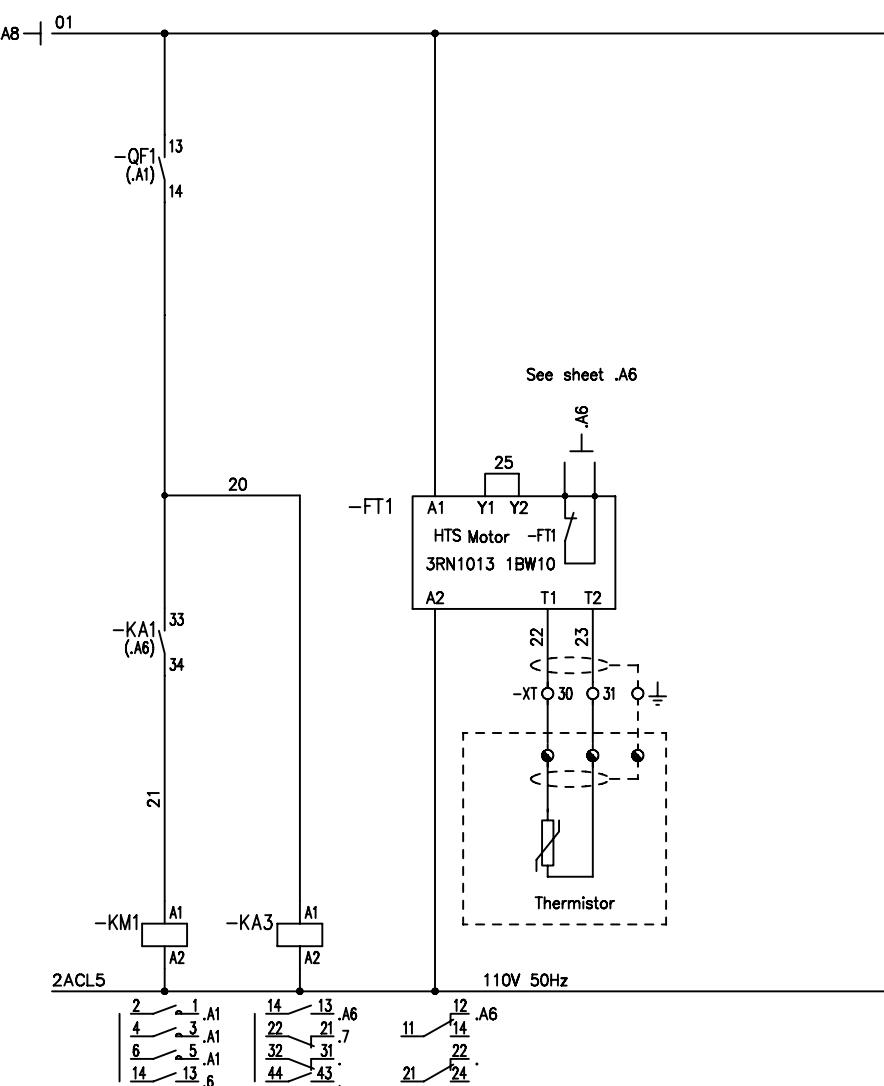
Job: 1E35

Moditech s.r.l.

= 90.LVB.1
+ 5AA
(A)
sheet 068
069 n.sh

dwg.

1E35-75-001



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1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	

SULPHUREX

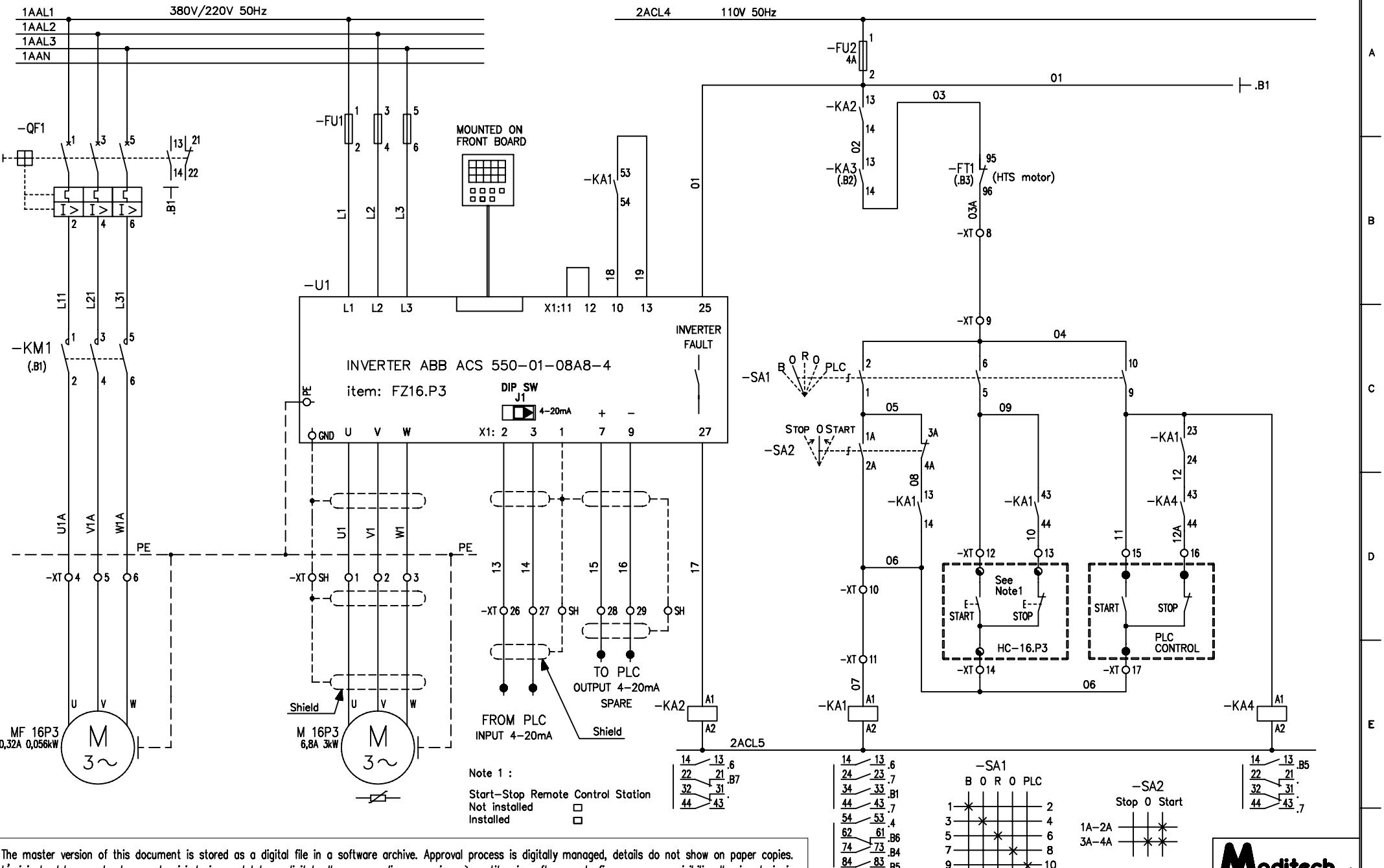


WIRING DIAGRAM
M 16P2
SULPHON. ACID TRANSFER
GEAR PUMP

Dis. 10.CC1K2544.E01

Job: 1E35

sheet 069
070 n.sh



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1	AFTER TEST	A. EMONTE	03/05/2010						
0	FIRST ISSUE	A. EMONTE	16/02/2010						
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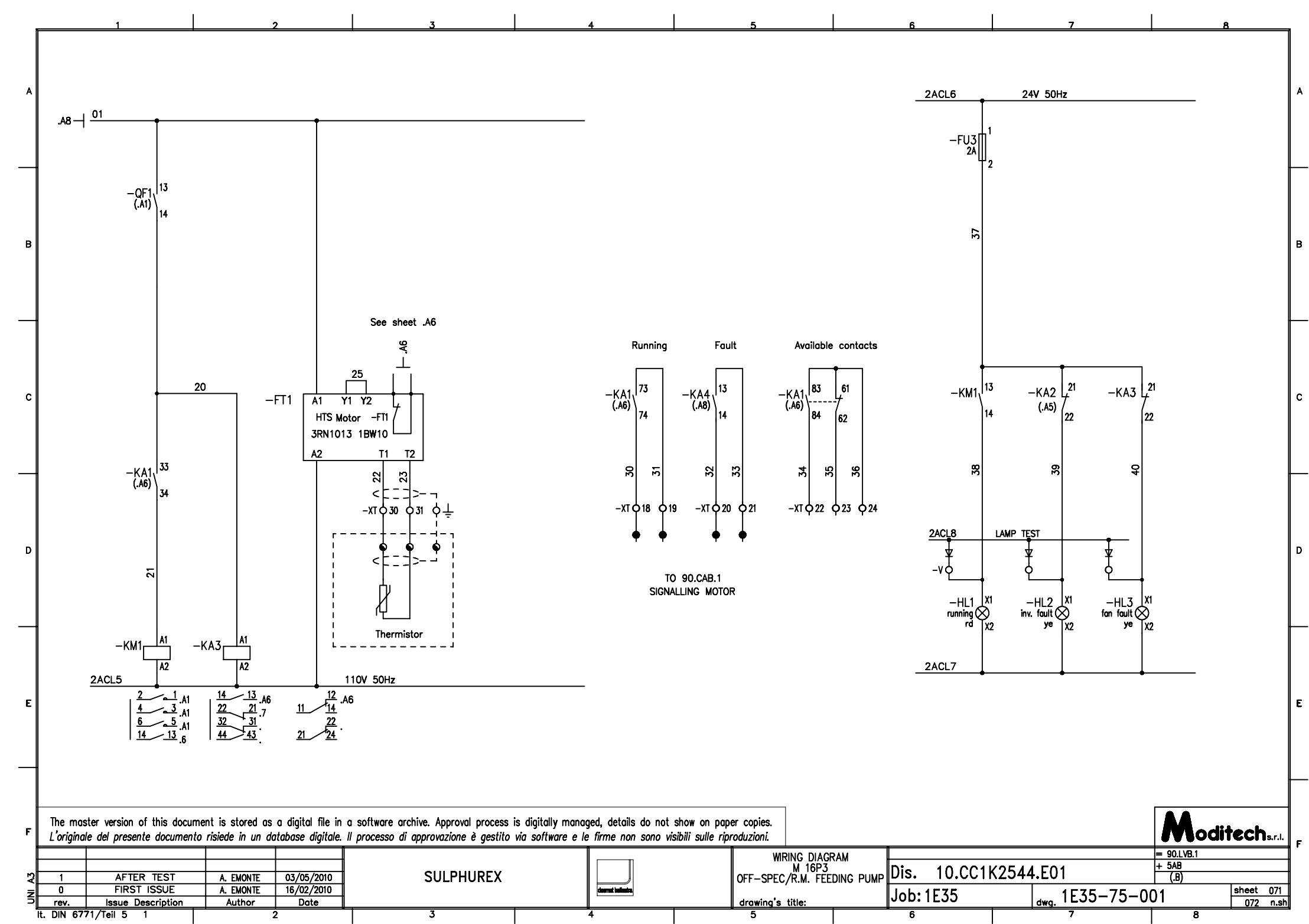
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M 16P3
OFF-SPEC/R.M. FEEDING PUMP
drawing's title:

Dis. 10.CC1K2544.E01

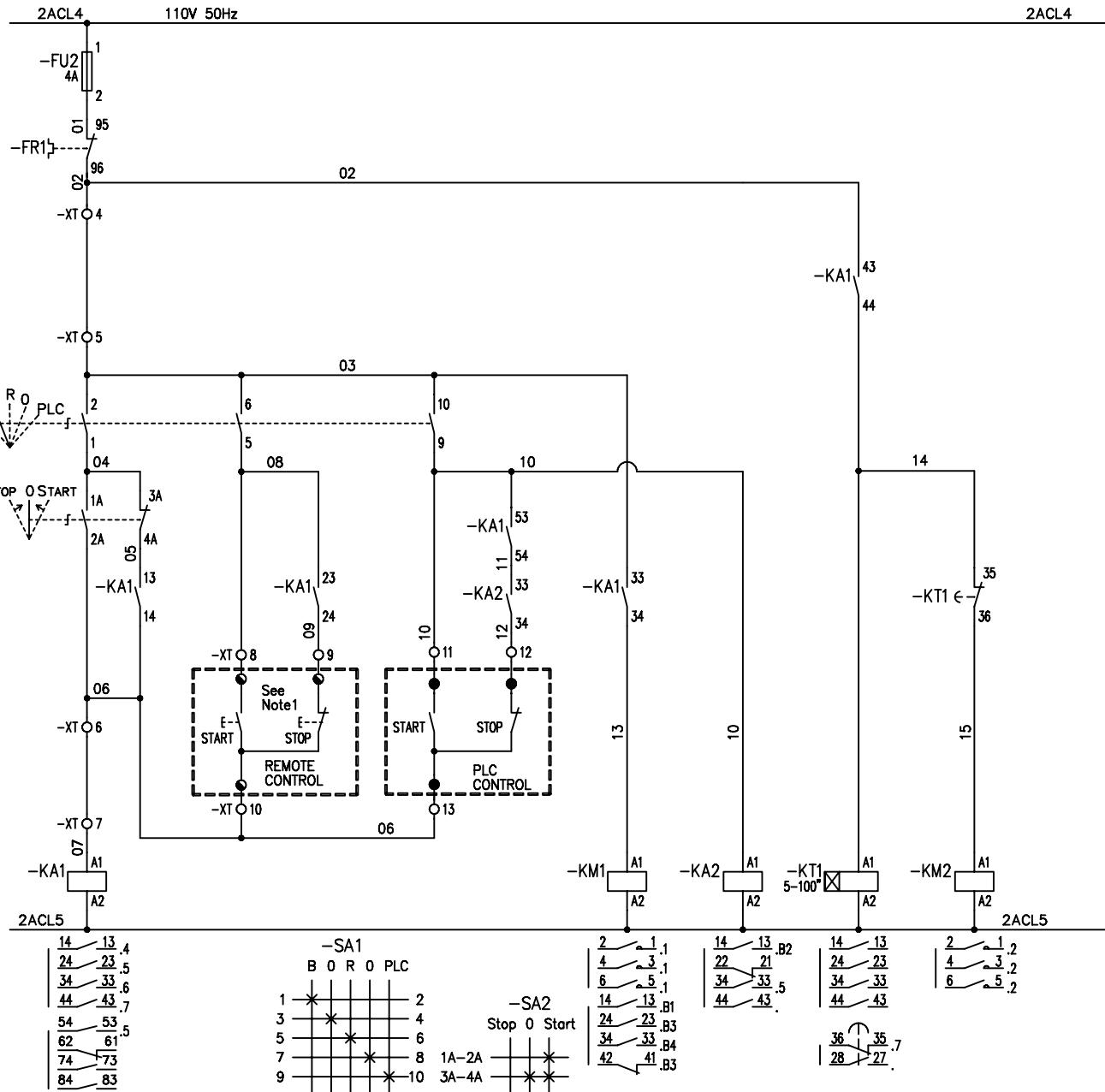
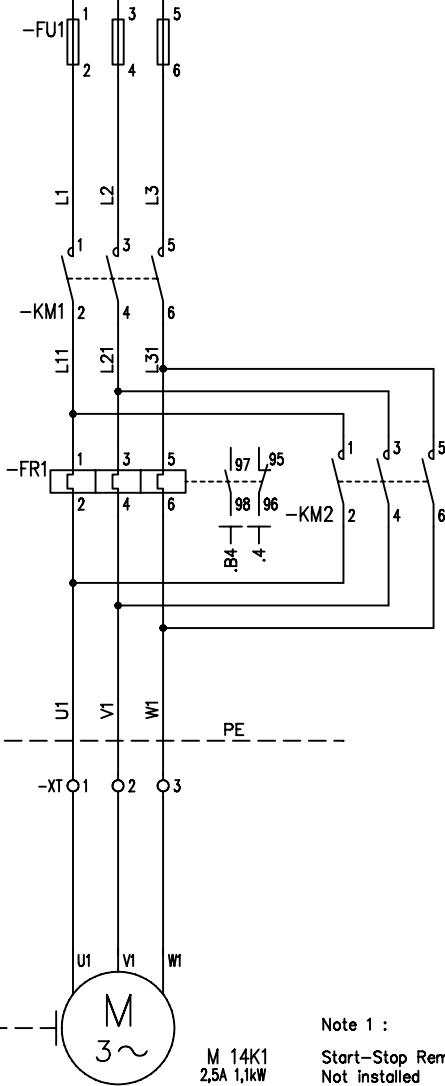
Job: 1E35

Moditech s.r.l.

= 90.LVB.1
+ 5AB
(A)
sheet 070
071 n.sh



1AAL1 380/220V 50Hz
1AAL2
1AAL3
1AAN



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1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date

SULPHUREX



WIRING DIAGRAM
M 14K1
ESP FLUSHING AIR FAN
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35

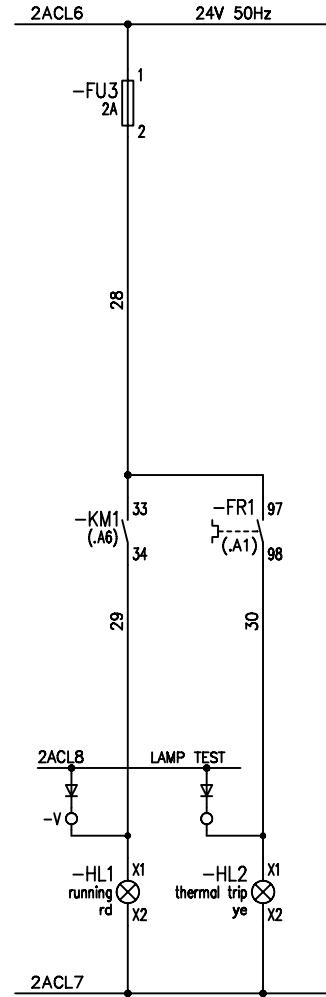
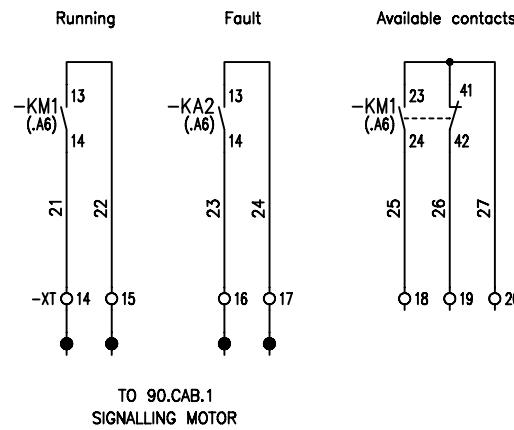
= 90.LVB.1

+ 5AC

(A)

sheet 072

073 n.sh



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UNI A3				
rev.	Issue Description	Author	Date	
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	

SULPHUREX



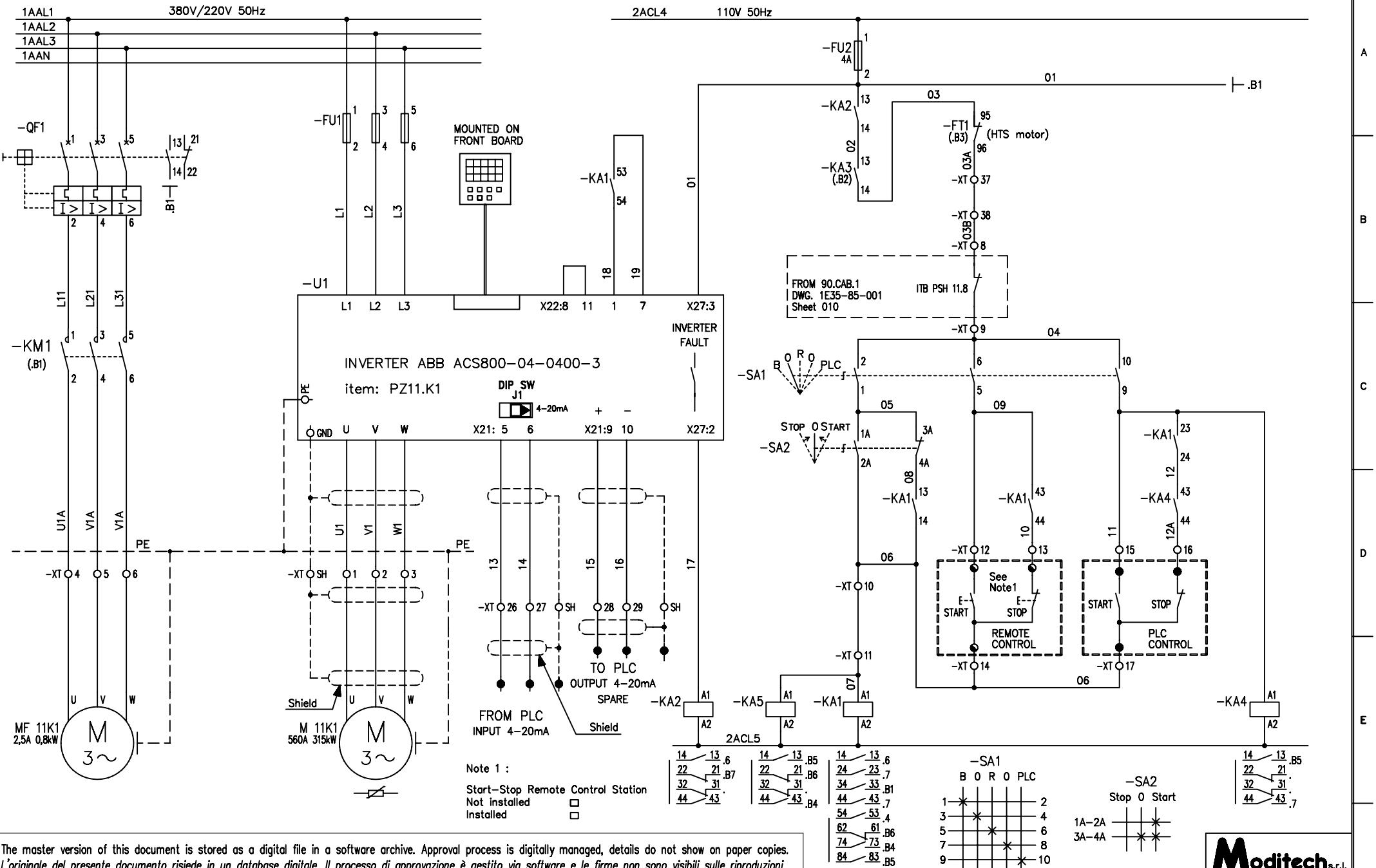
WIRING DIAGRAM
M 14K1
ESP FLUSHING AIR FAN

Dis. 10.CC1K2544.E0

Job: 1E35

Moditech s.r.l.

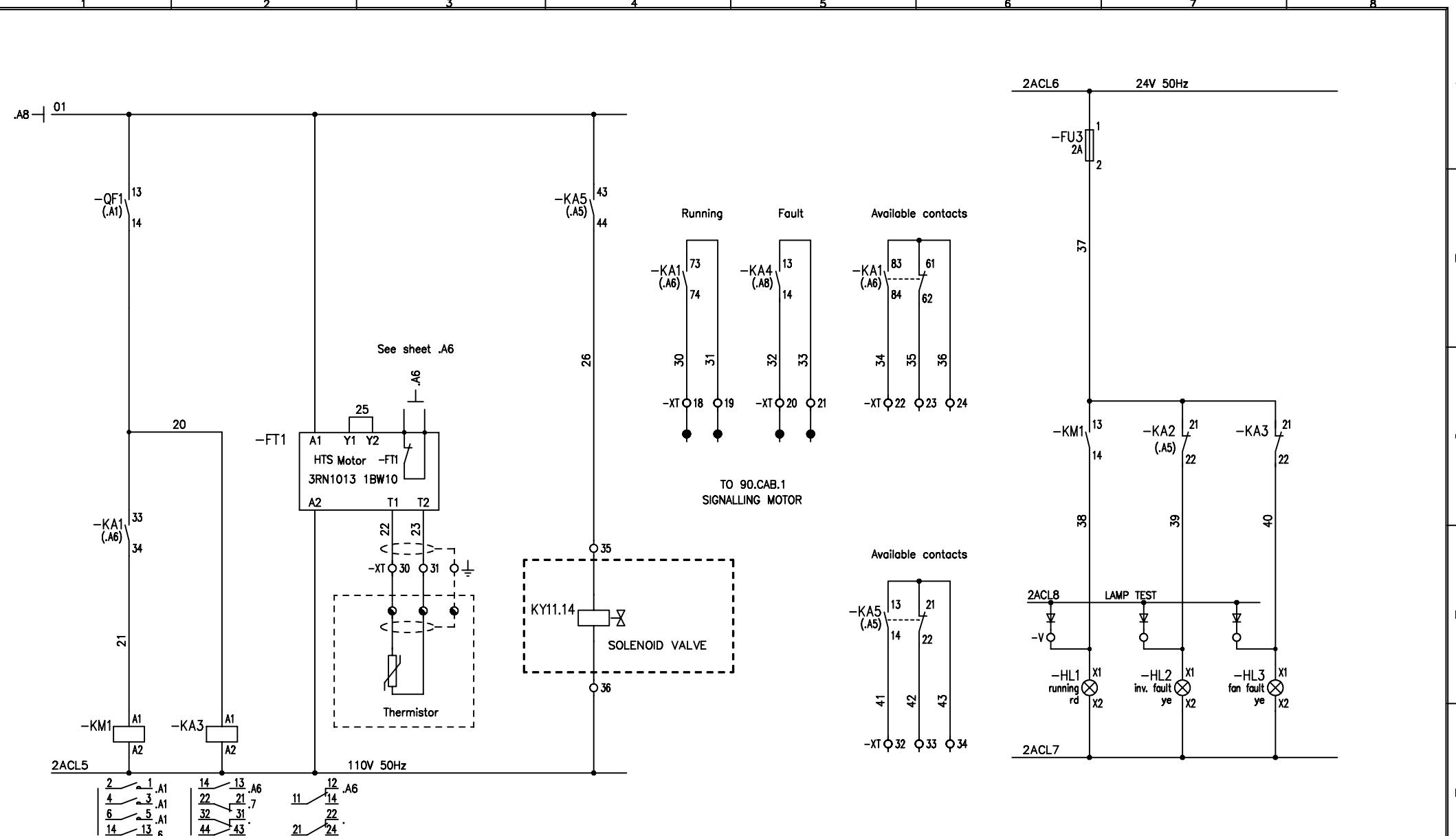
= 90.LVB.1
+ 5AC
(B)
01 sheet 073
074 n.s.



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UNI A3				WIRING DIAGRAM M 11K1 PROCESS AIR BLOWER	Dis. 10.CC1K2544.E01	= 90.LVB.1 + 6AA (A)
1	AFTER TEST	A. EMONTE	03/05/2010			
0	FIRST ISSUE	A. EMONTE	16/02/2010			
rev.	Issue Description	Author	Date	SULPHUREX	Job: 1E35	dwg. 1E35-75-001



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UNI A3	1	AFTER TEST	A. EMONTE	03/05/2010
	0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue	Description	Author	Date
It. DIN 6771	Teil 5	1		2

SULPHUREX

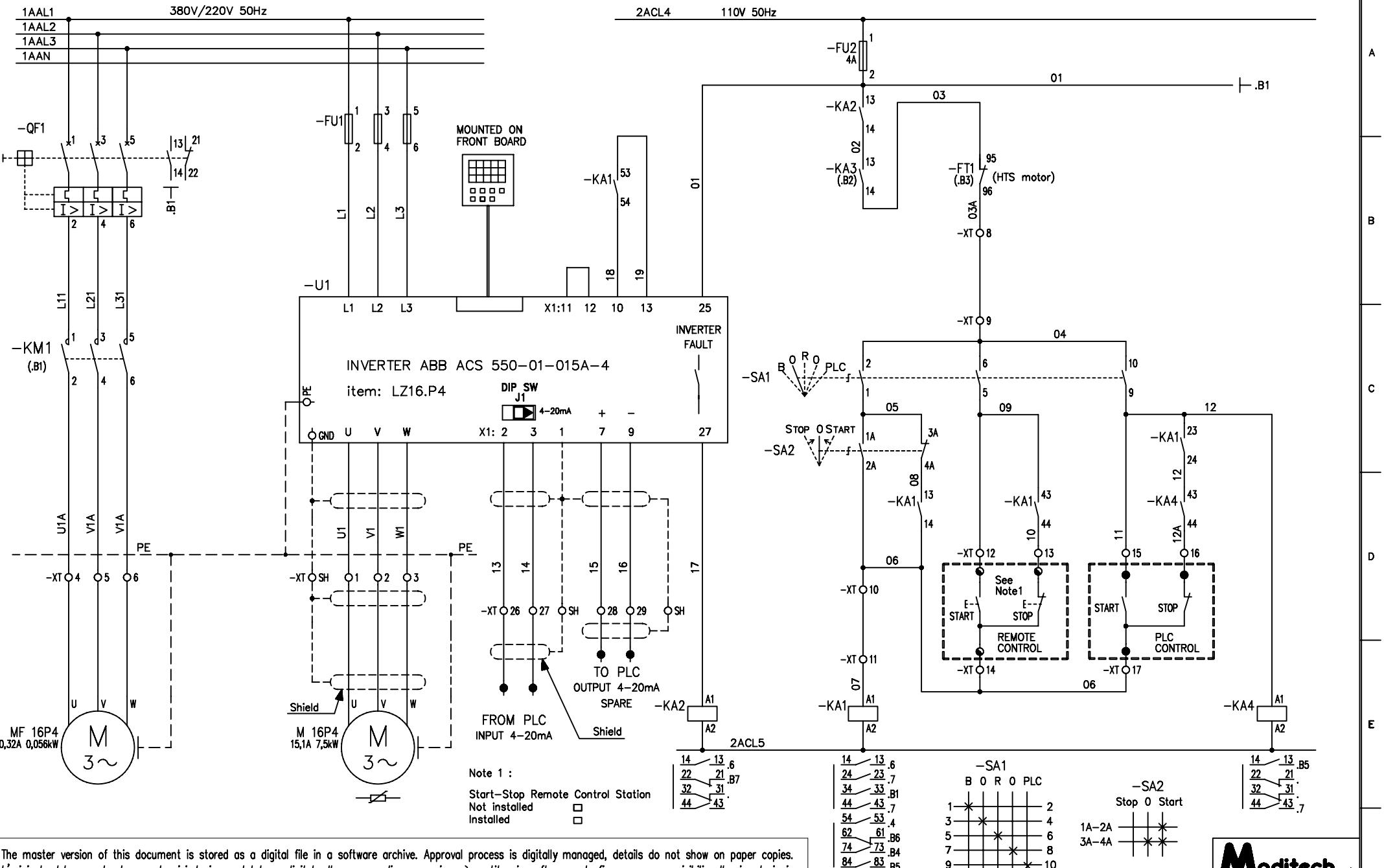


WIRING DIAGRAM
M 11K1
PROCESS AIR BLOWER

Dis. 10.CC1K2544.E0

Job: 1E35

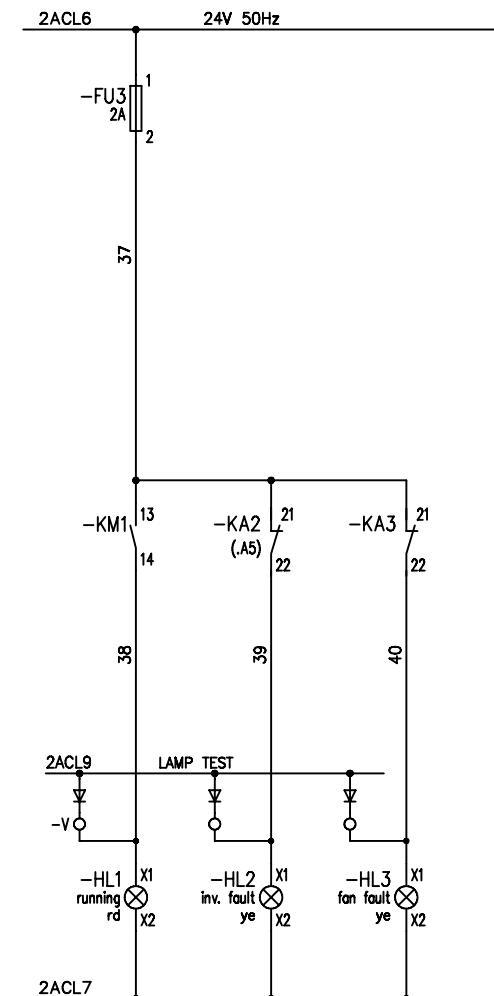
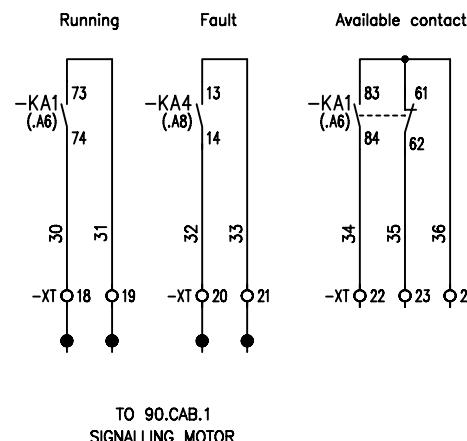
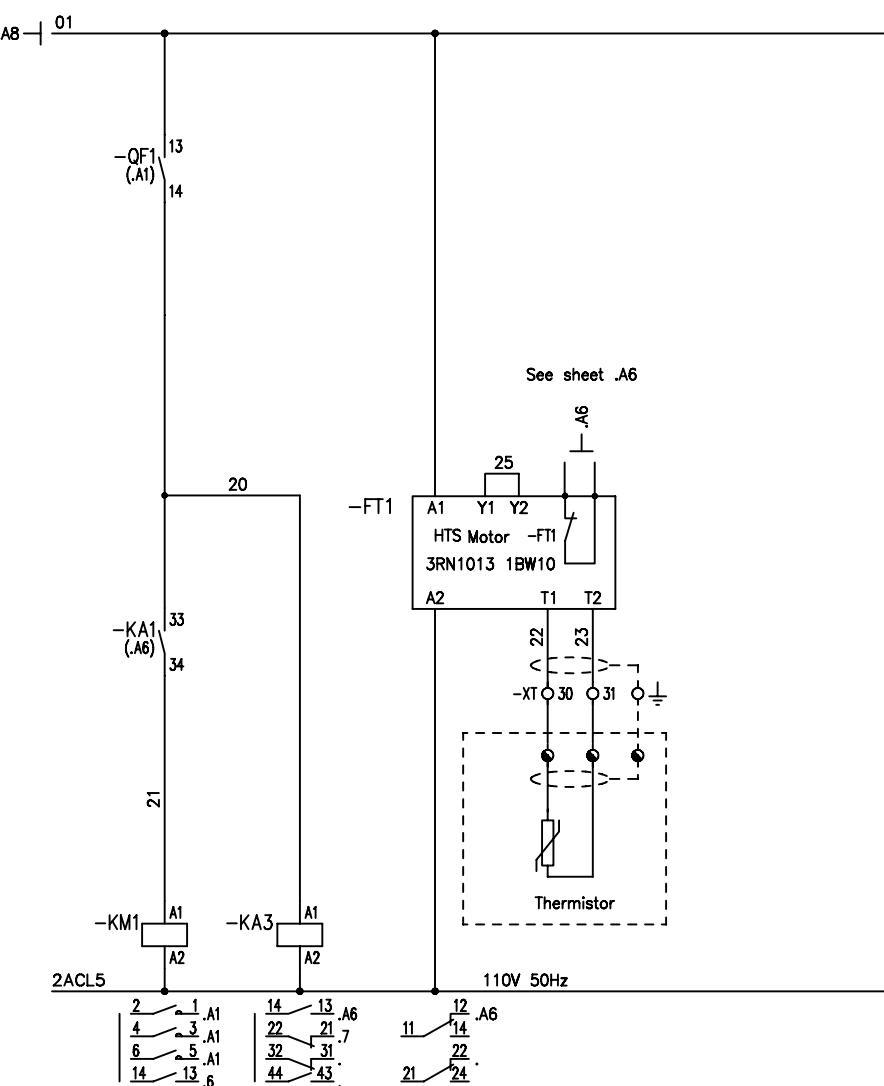
- 90.LVB.1
- 6AA
(.B)



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Moditech s.r.l.

= 90.LVB.1
+ 5BA
(A)
sheet 078
079 n.sh



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rev.	Issue Description	Author	Date	
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	

SULPHUREX

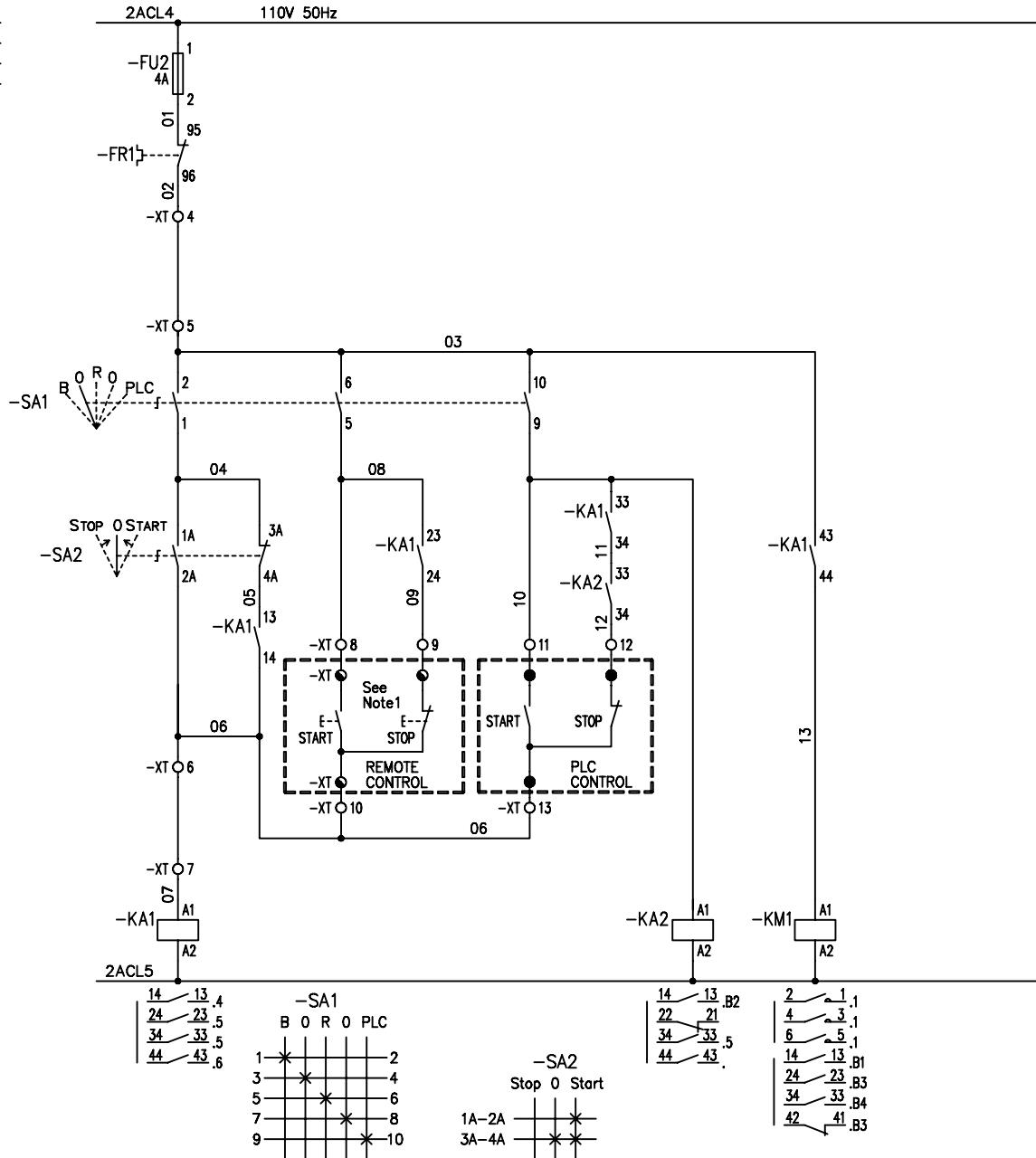
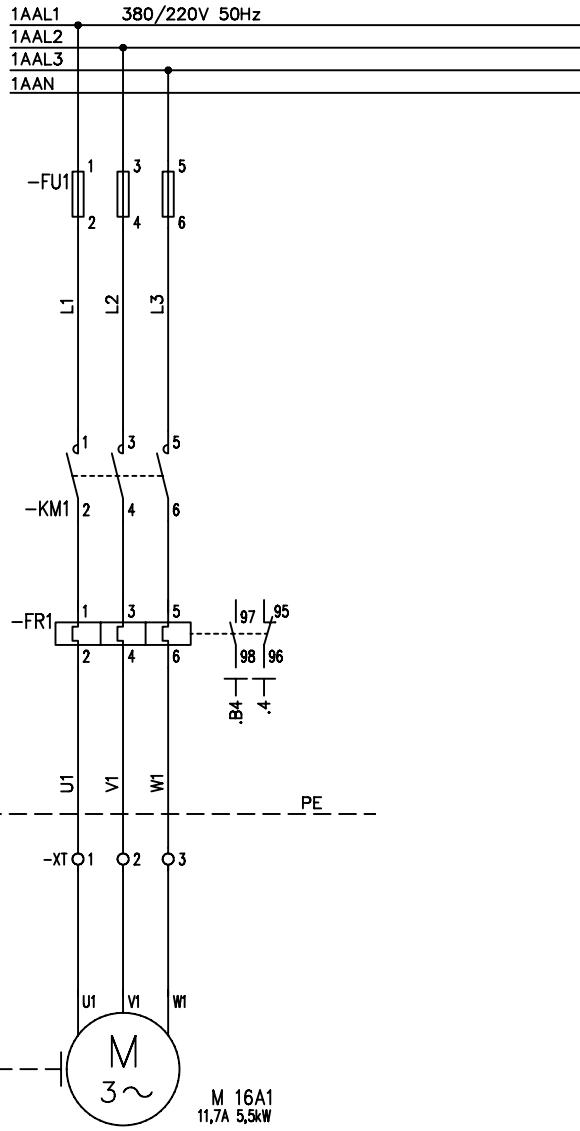


WIRING DIAGRAM
M 16P4
SULPHON. ACID TRANSFER
GEAR PUMP

Dis. 10.CC1K2544.E01

Job: 1E35

- 90.LVB.1
- 5BA
(.B)



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Start-Stop Remote Control Station
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Moditech s.r.l.

= 90.LVB.1
+ 5BB
(A)
sheet 080
081 n.sh

It.	DIN 6771/Teil 5	1	2	3	4	5	6	7	8
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0	FIRST ISSUE	A. EMONTE	16/02/2010						
rev.	Issue Description	Author	Date						

SULPHUREX

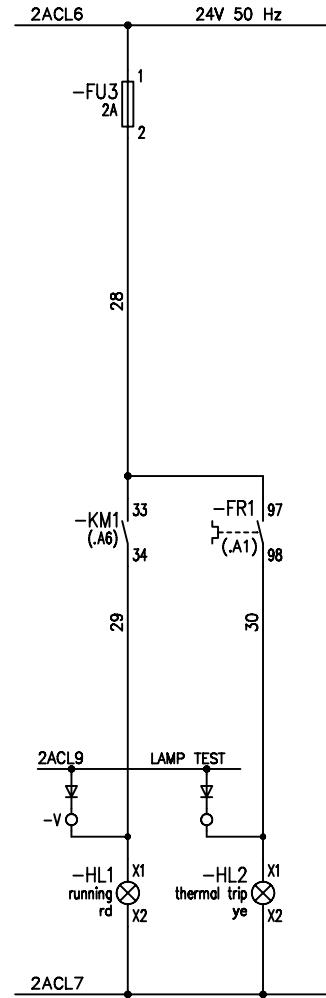
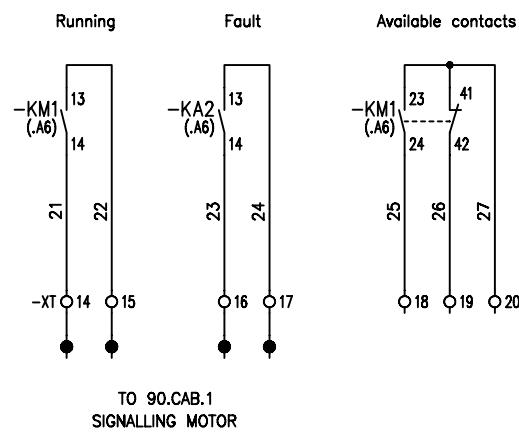


WIRING DIAGRAM
M 16A1
AGEING VESSEL AGITATOR
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

dwg. sheet 080
081 n.sh



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UNI A3			
1	AFTER TEST	A. EMONTE	03/05/2010
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rev.	Issue Description	Author	Date
It. DIN 6771/Teil 5	1		2

SULPHUREX



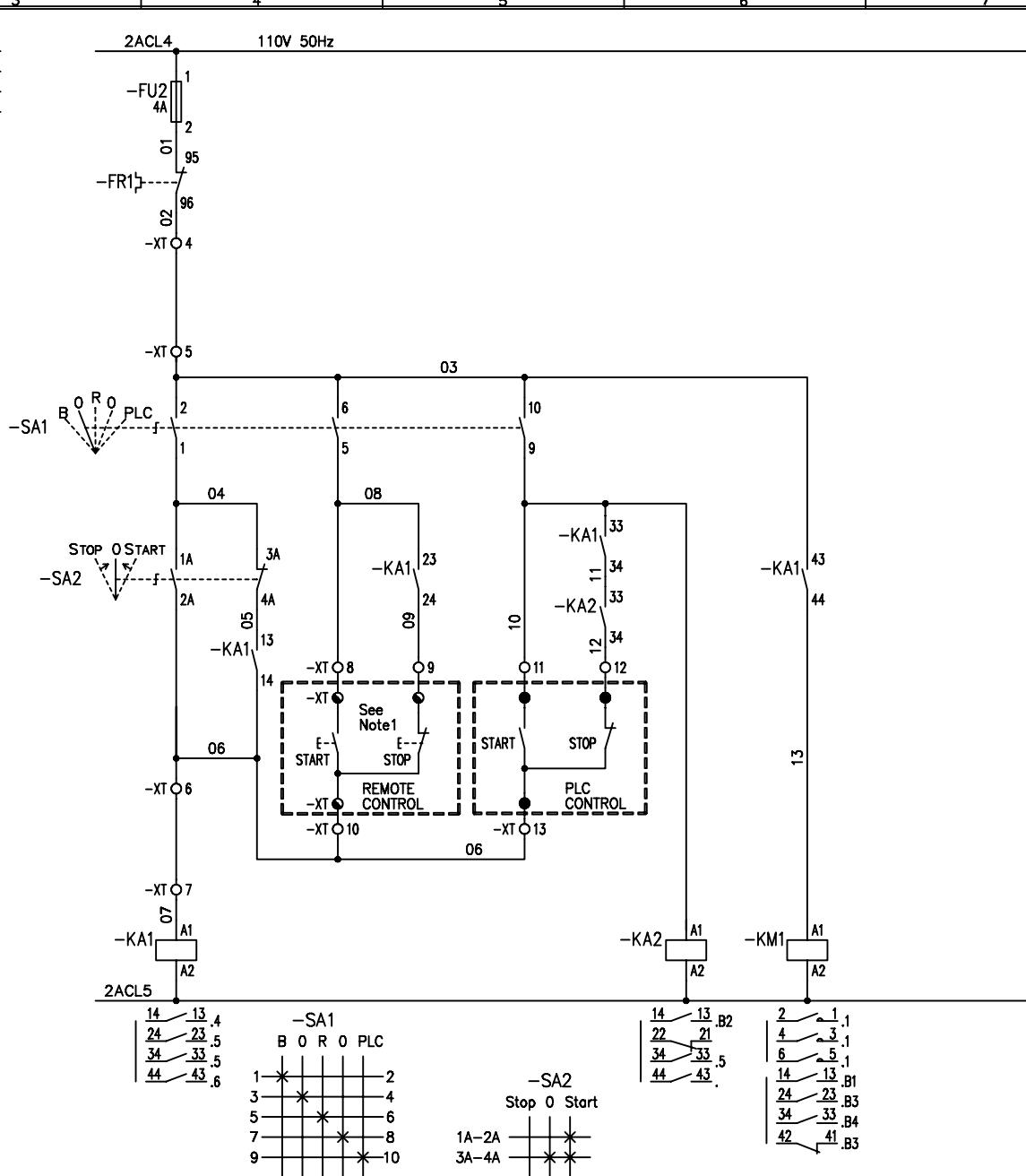
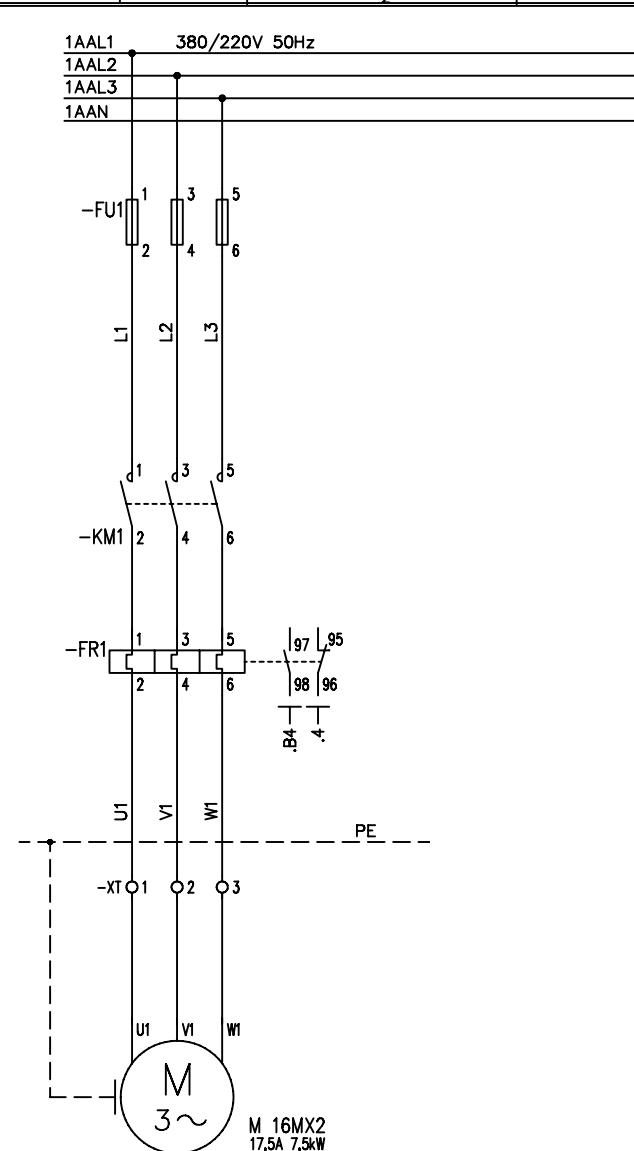
WIRING DIAGRAM
M 16A1
AGEING VESSEL AGITATOR

Dis. 10.CC1K2544.E01

Job: 1E35 dwg. 1E35-75-001

90.LVB.1
5BB
(.B)

sheet 081
082 n.sh



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Start-Stop Remote Control Station
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Moditech s.r.l.

= 90.LVB.1
+ SBC
(A)

sheet 082
083 n.sh

It.	DIN 6771/Teil 5	1	2	3	4	5	6	7	8
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0	FIRST ISSUE	A. EMONTE	16/02/2010						
rev.	Issue Description	Author	Date						

SULPHUREX

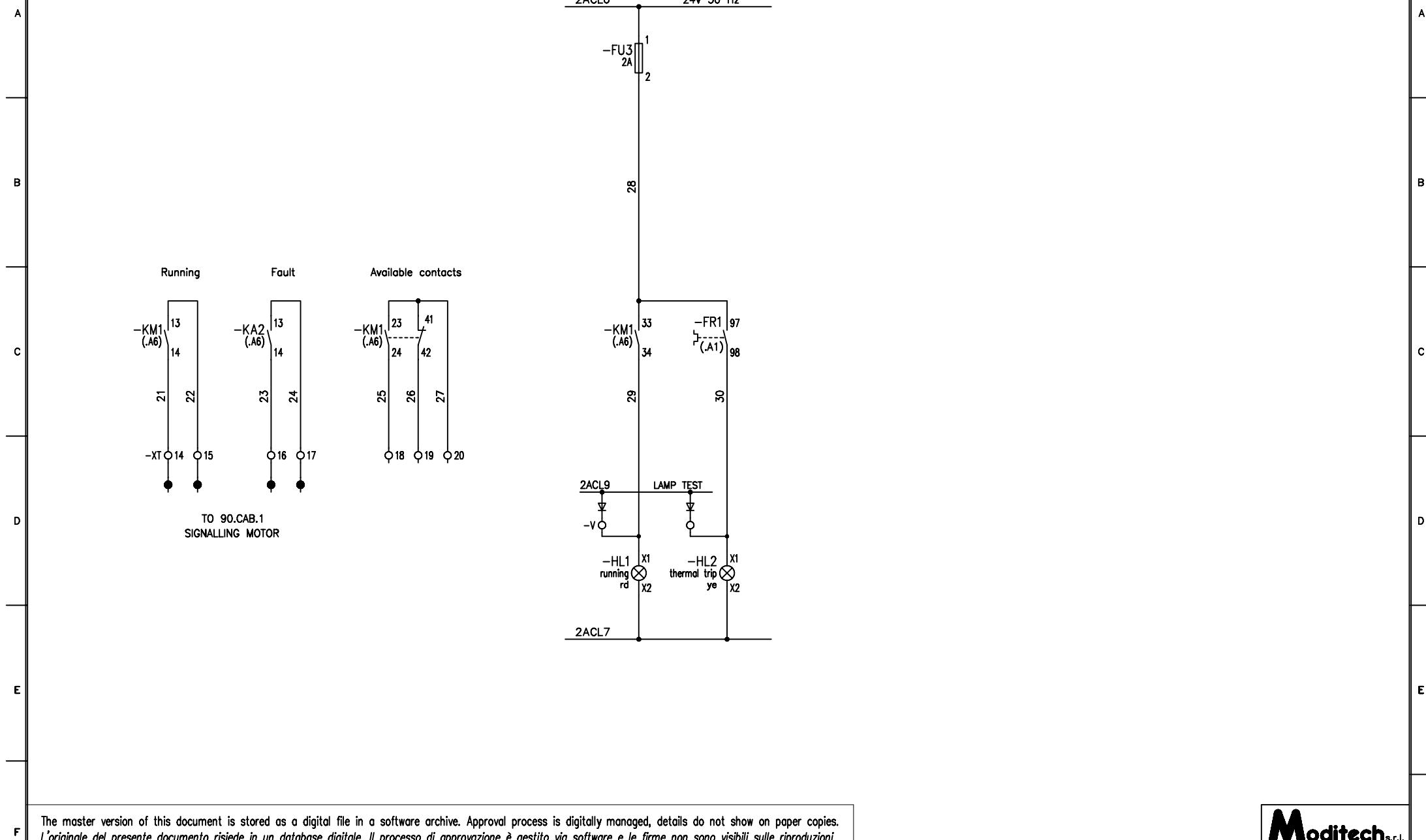


WIRING DIAGRAM
M 16MX2
STABILIZER MIXER

Dis. 10.CC1K2544.E01

Job: 1E35

dwg. 1E35-75-001



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0	FIRST ISSUE	A. EMONTE	16/02/2010							
rev.										

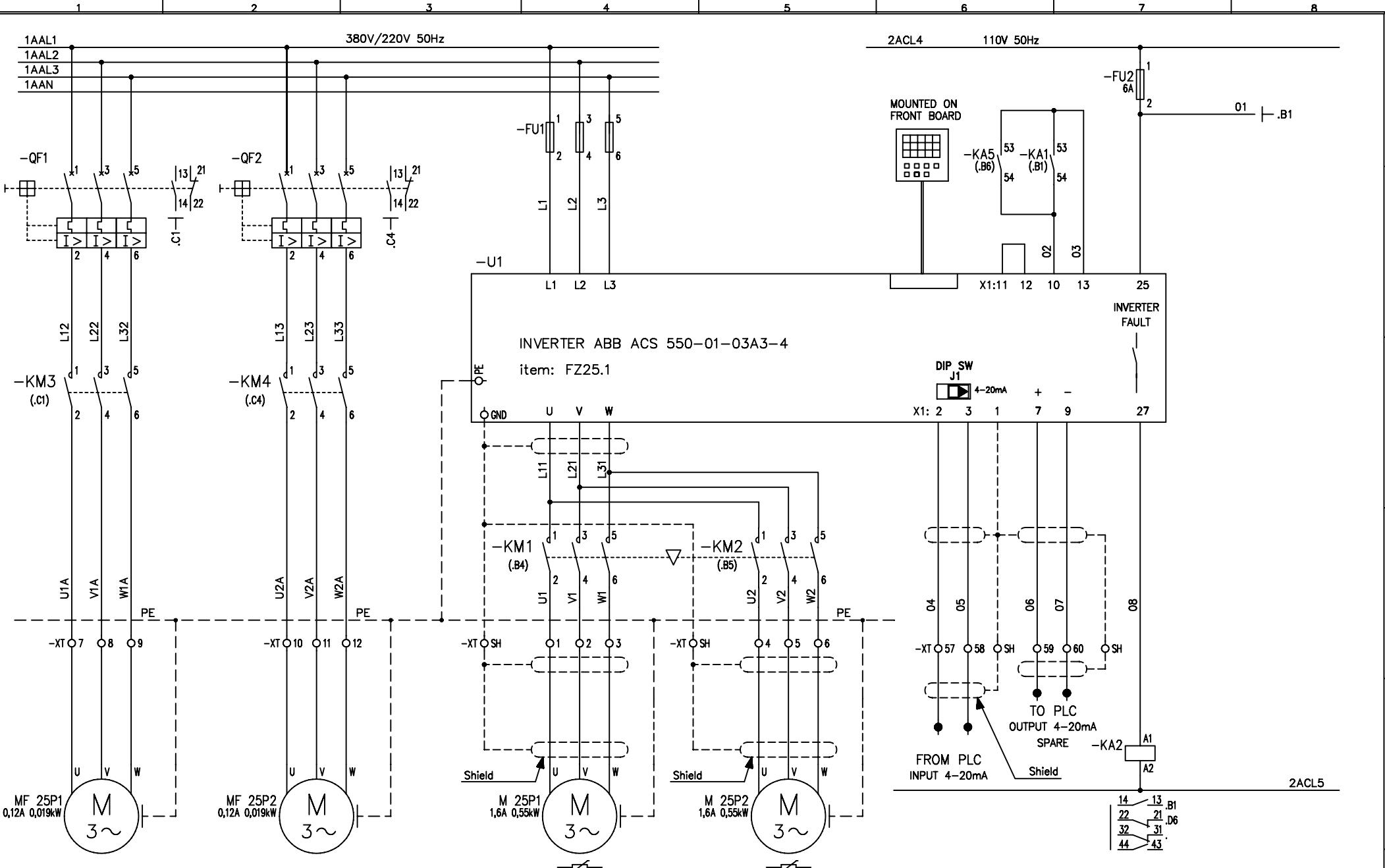


WIRING DIAGRAM
M 16MX2
STABILIZER MIXER
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 5BC
(B)
sheet 083
dwg. 1E35-75-001
084 n.sh



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Moditech s.r.l.

UNI A3				
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	
rev.	Issue Description	Author	Date	

SULPHUREX



WIRING DIAGRAM
M 25P1
MOLTEN SULPHUR DOSING PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 4BA
(A)
sheet 084
085 n.sh

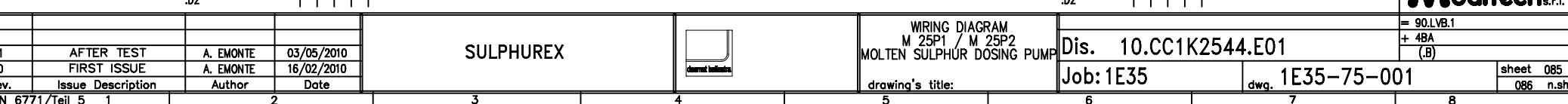
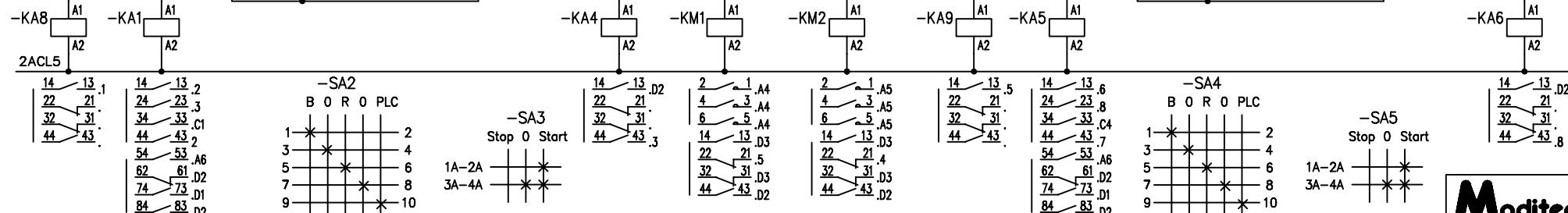
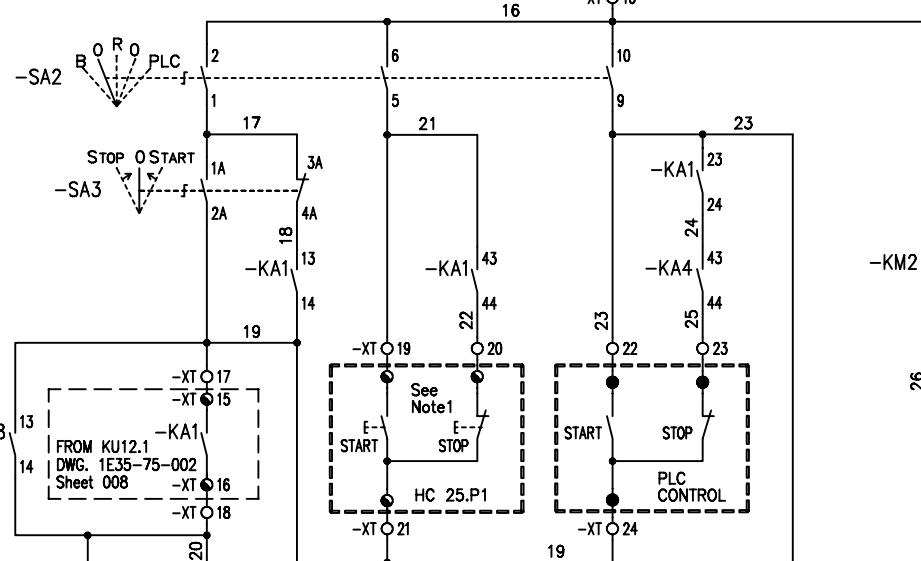
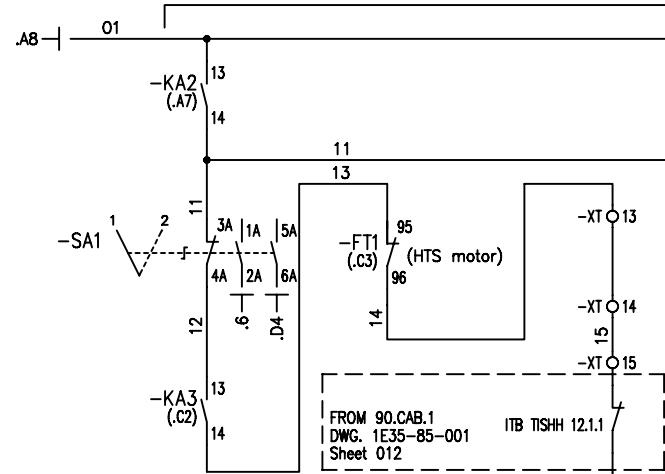
1 2 3 4 5 6 7 8

M 25P1

M 25P2

01 .C1

Note 1 :
 Start-Stop Remote Control Station
 Not installed
 Installed



Moditech s.r.l.

WIRING DIAGRAM
M 25P1 / M 25P2
MOLTEN SULPHUR DOSING PUMP
drawing's title:

Dis. 10.CC1K2544.E01

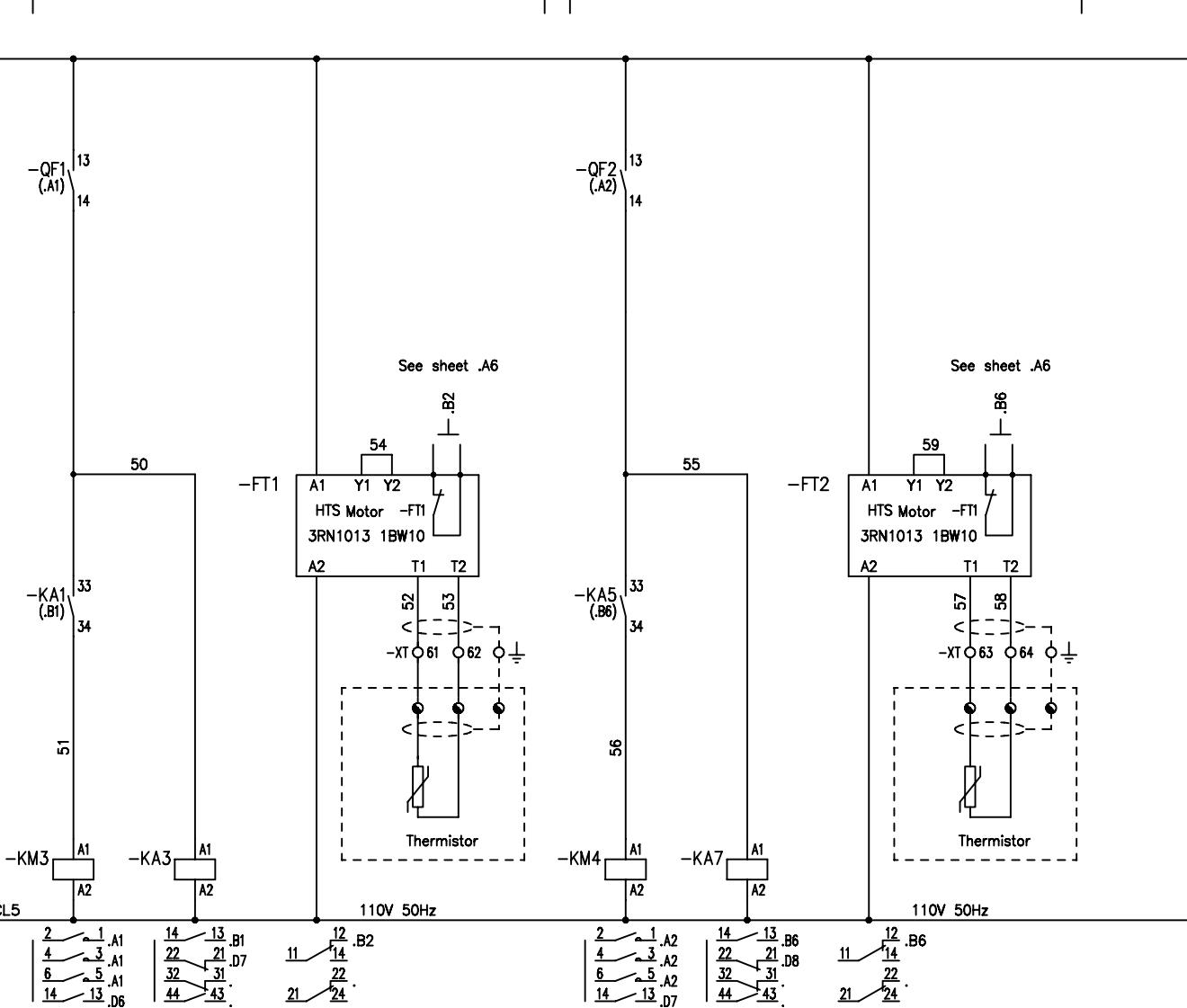
Job: 1E35 1E35-75-001

= 90.LVB.1
+ 4BA
(.B)
sheet 085
086 n.sh

1 2 3 4 5 6 7 8

M 25P1

M 25P2



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It.	DIN 6771/Teil 5	1	2	3	4	5	6	7	8
1	AFTER TEST	A. EMONTE	03/05/2010						
0	FIRST ISSUE	A. EMONTE	16/02/2010						
rev.	Issue	Description	Author	Date					

SULPHUREX



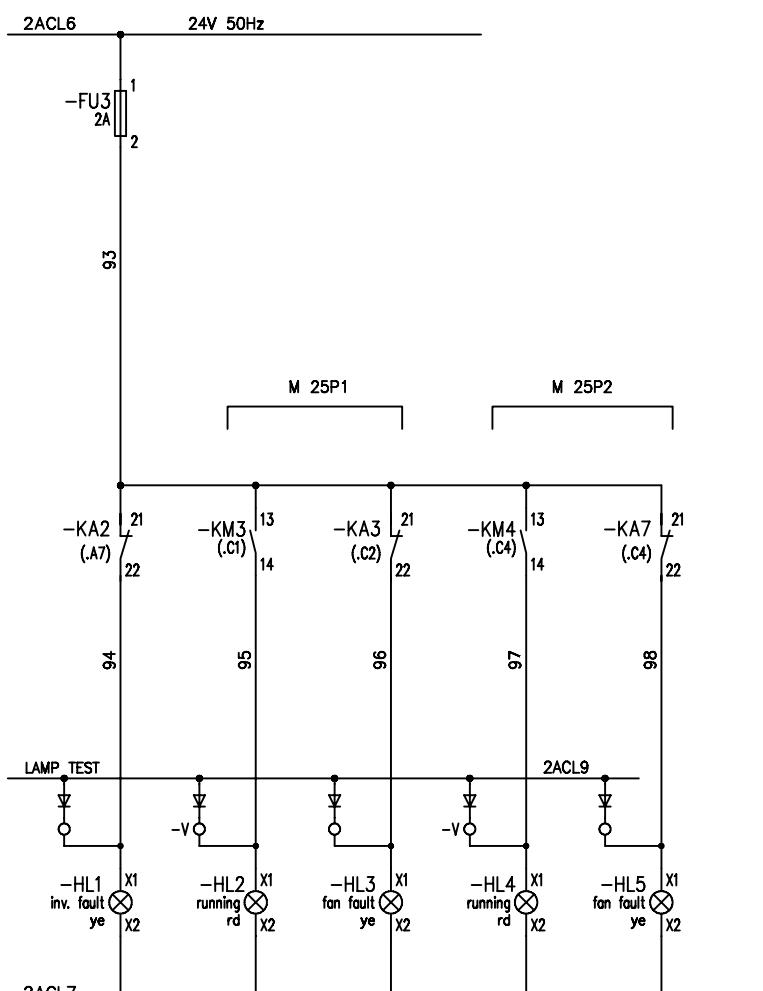
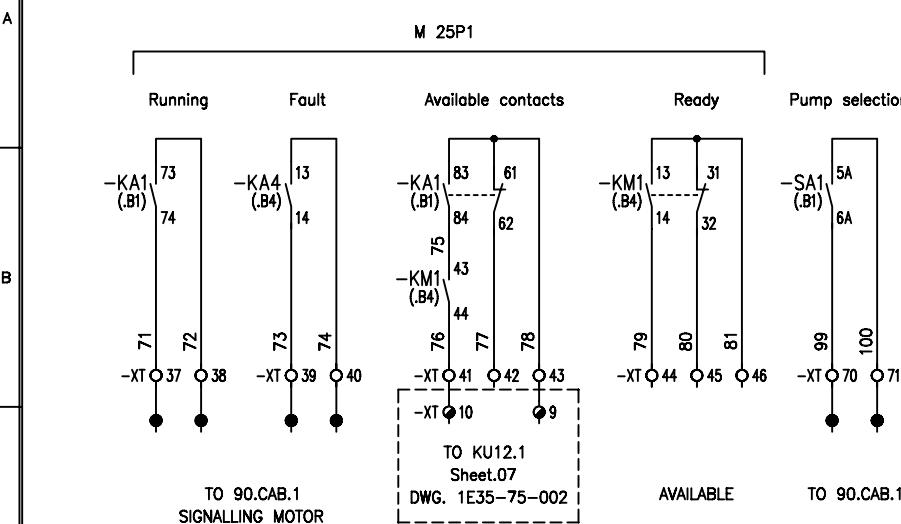
WIRING DIAGRAM
M 25P1 / M 25P2
MOLTEN SULPHUR DOSING PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 4BA
(.C)
sheet 086
087 n.sh

1 2 3 4 5 6 7 8



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1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date

SULPHUREX

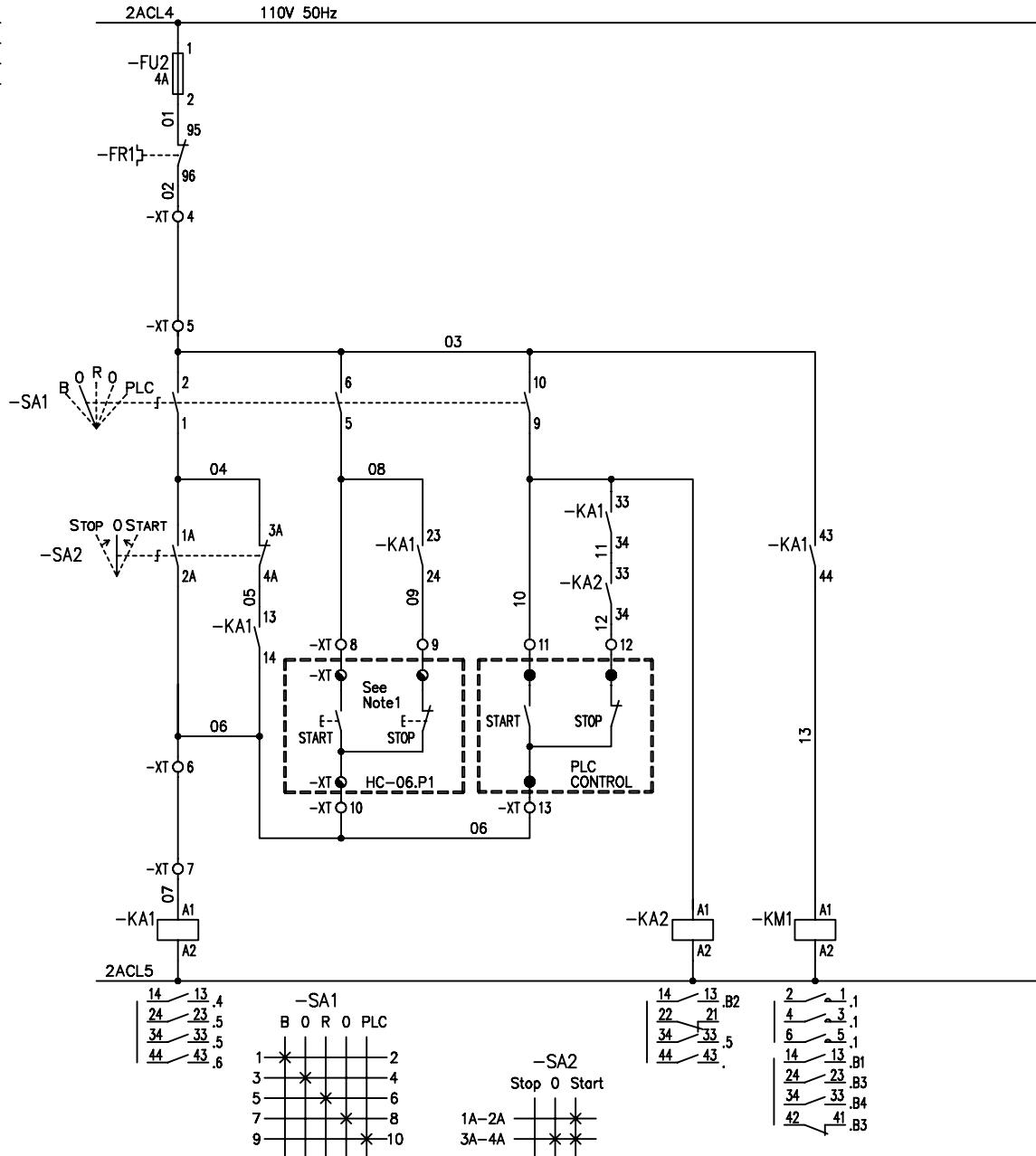
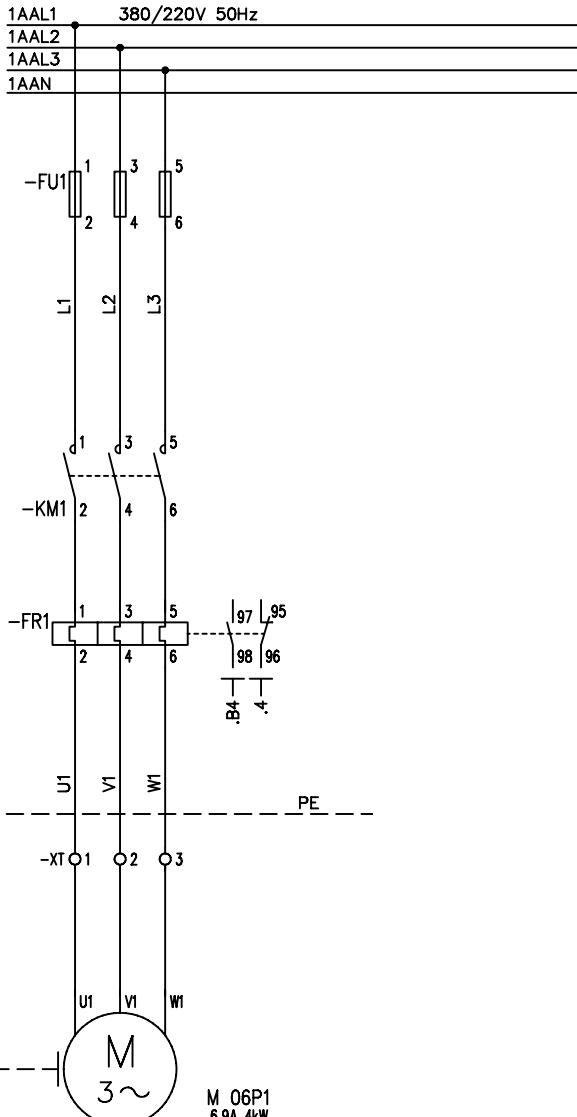


WIRING DIAGRAM
M 25P1 / M25P2
MOLten SULPHUR DOSING PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 4BA
(D)
sheet 087
dwg. 088 n.sh



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Moditech s.r.l.

= 90.LVB.1
+ 4BB
(A)

sheet 088
089 n.sh

It.	DIN 6771/Teil 5	1	2	3	4	5	6	7	8
1	AFTER TEST	A. EMONTE	03/05/2010						
0	FIRST ISSUE	A. EMONTE	16/02/2010						
rev.	Issue Description	Author	Date						

SULPHUREX



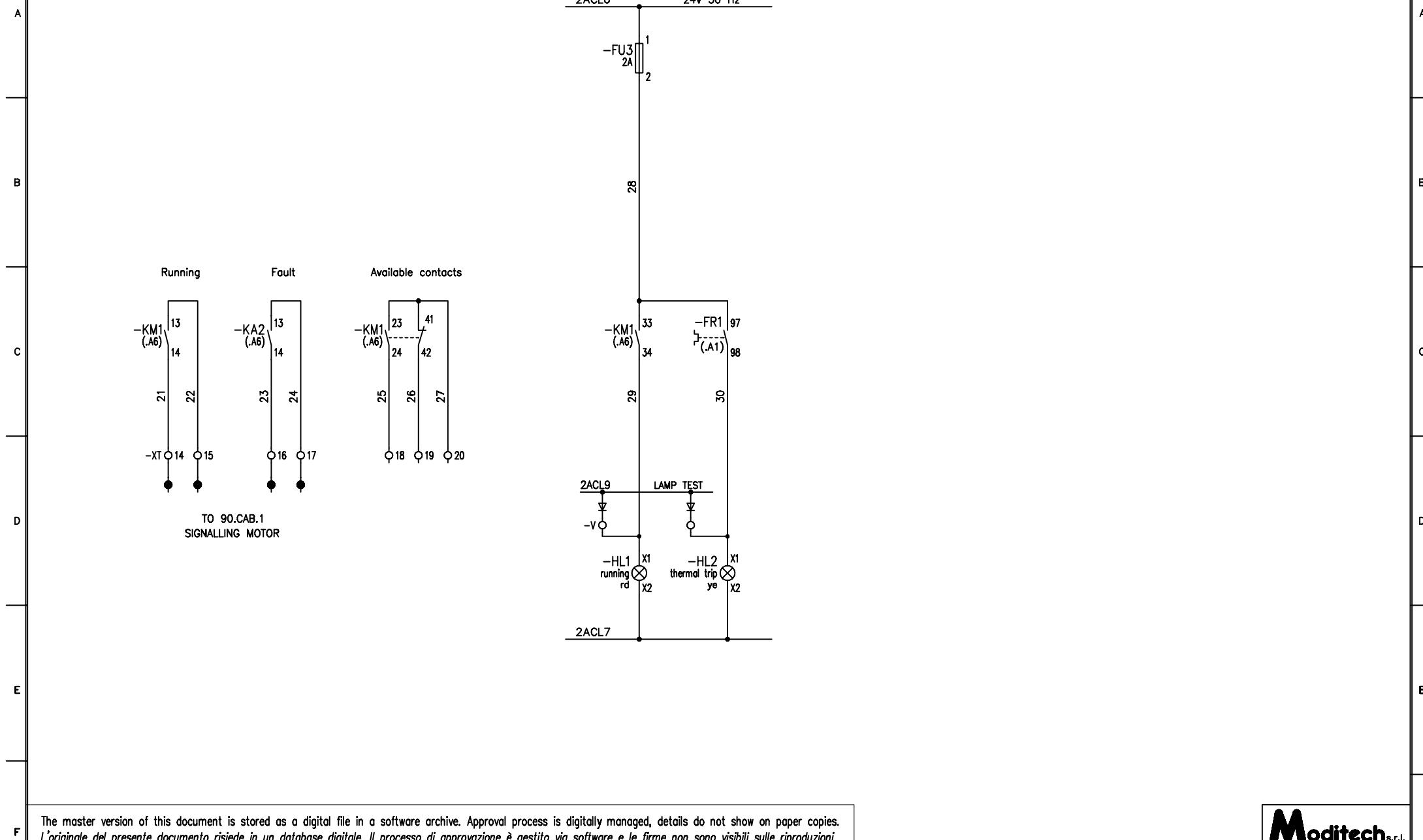
WIRING DIAGRAM
M 06P1
LAB TRANSFER
CENTRIFUGAL PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

dwg. sheet
088
089 n.sh

1 2 3 4 5 6 7 8



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It.	DIN 6771/Teil	5	1	2	3	4	5	6	7	8
1	AFTER TEST									
0	FIRST ISSUE	A. EMONTE	03/05/2010							
rev.	Issue Description	Author	Date							

SULPHUREX

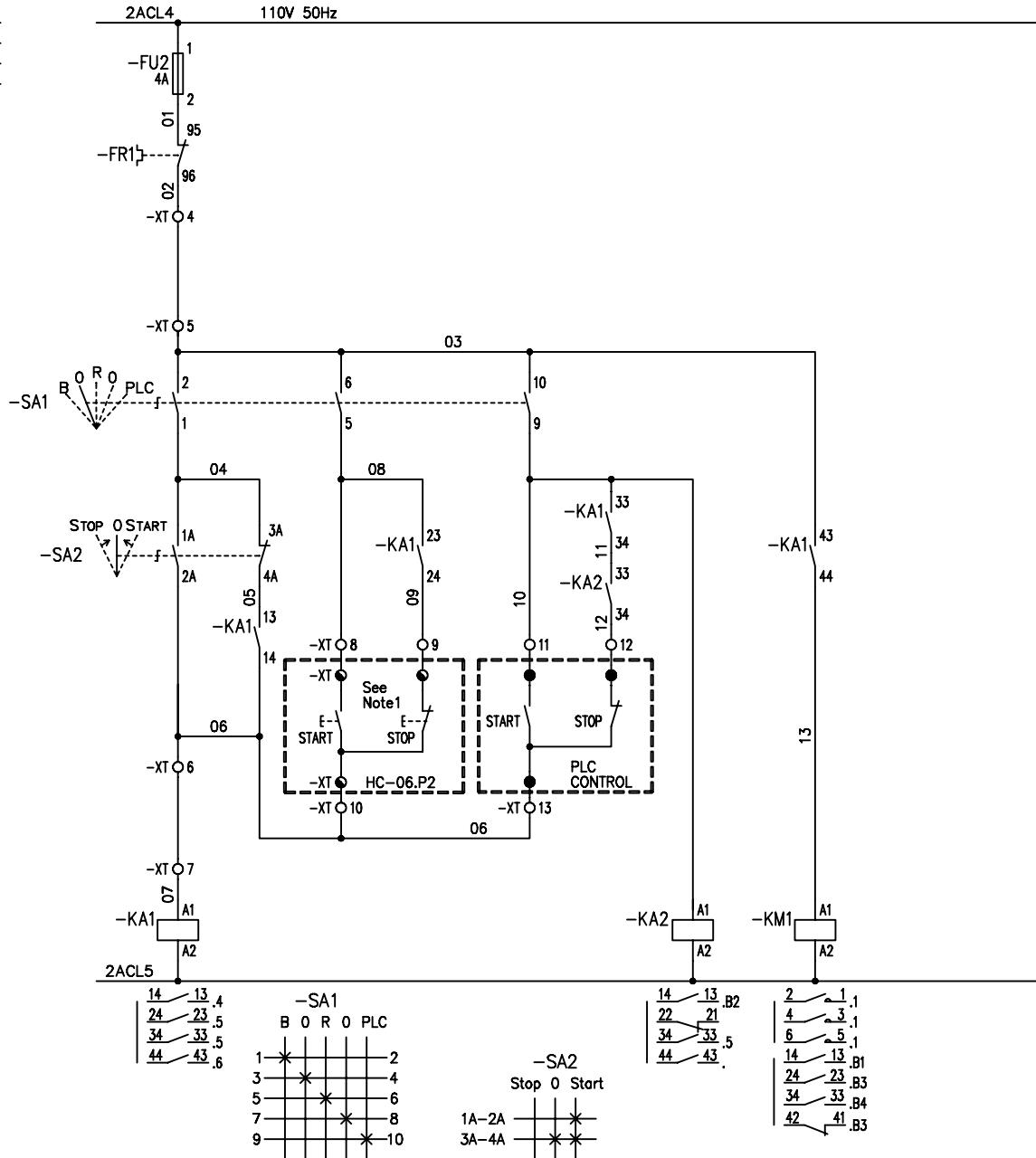
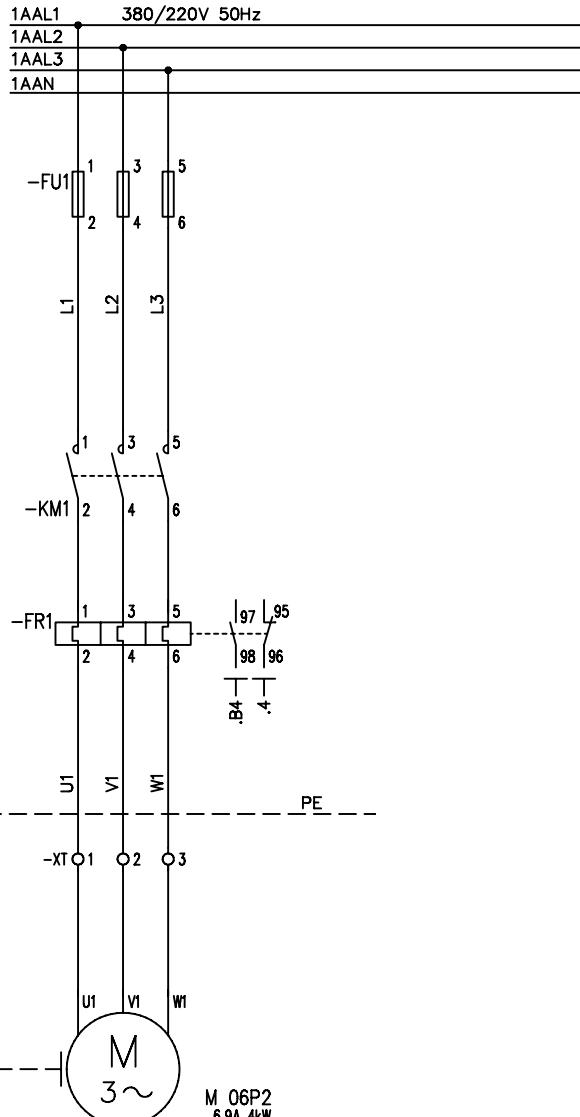


WIRING DIAGRAM
M_06P1
LAB TRANSFER
CENTRIFUGAL PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 4BB
(B)
sheet 089
090 n.sh



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Moditech s.r.l.

= 90.LVB.1
+ 4BC
(A)

sheet 090
091 n.sh

It.	DIN 6771/Teil 5	1	2
1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date

SULPHUREX

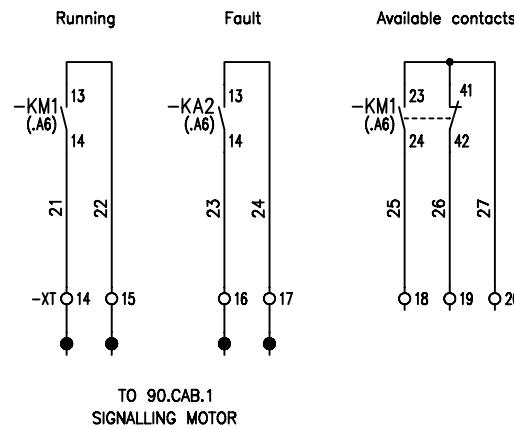


WIRING DIAGRAM
M 06P2
ETHOX, ALCOHOL
TRANSFER CENTRIFUGAL PUMP
drawing's title:

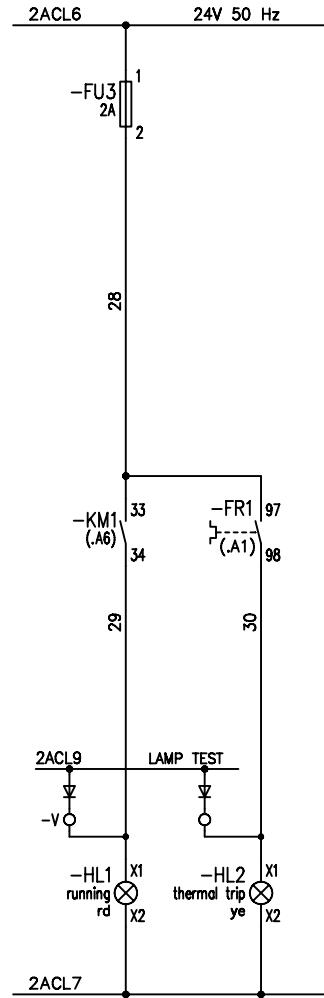
Dis. 10.CC1K2544.E01

Job: 1E35

dwg. 1E35-75-001



TO 90.CAB.1
SIGNALLING MOTOR



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1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	

SULPHUREX



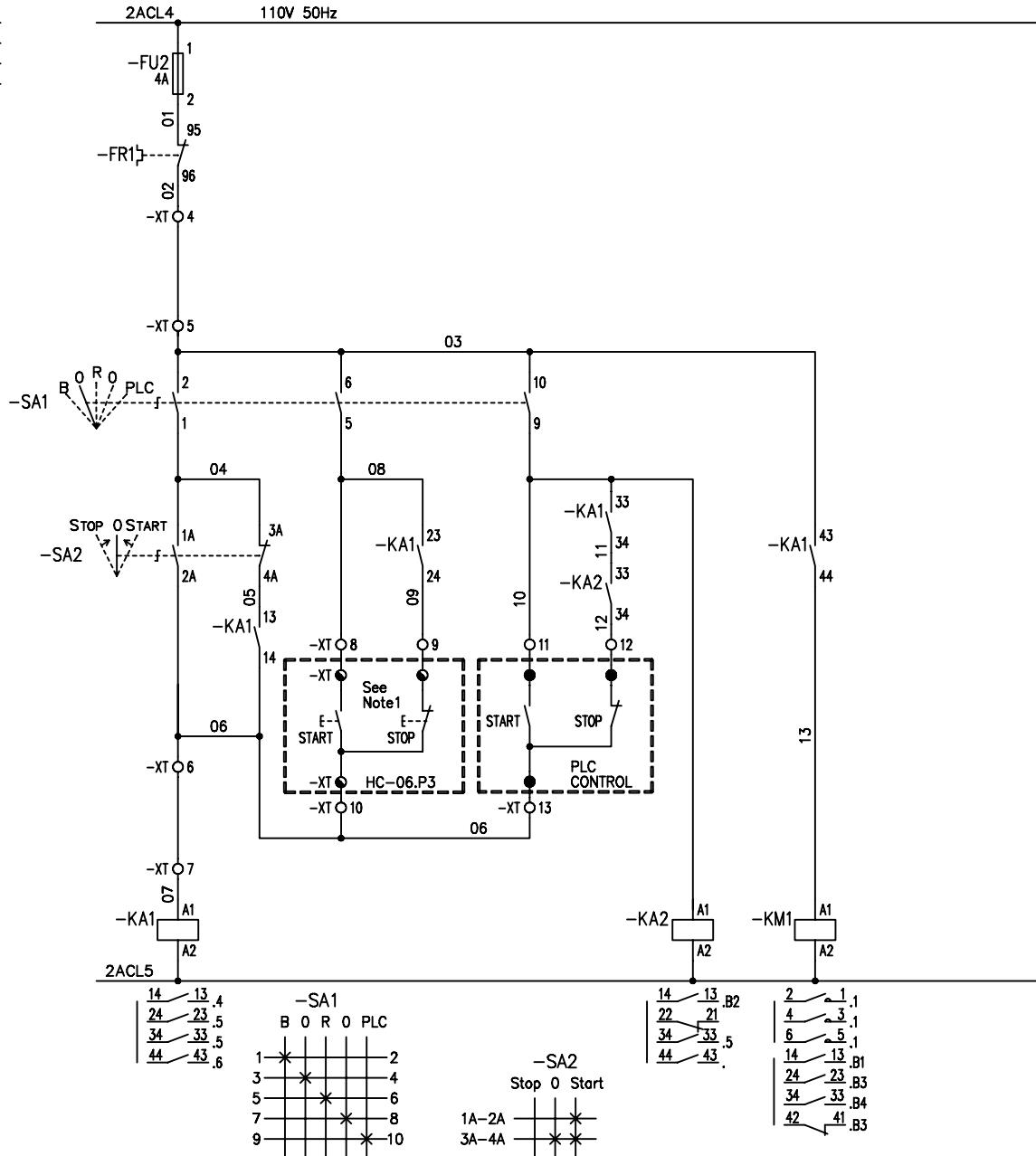
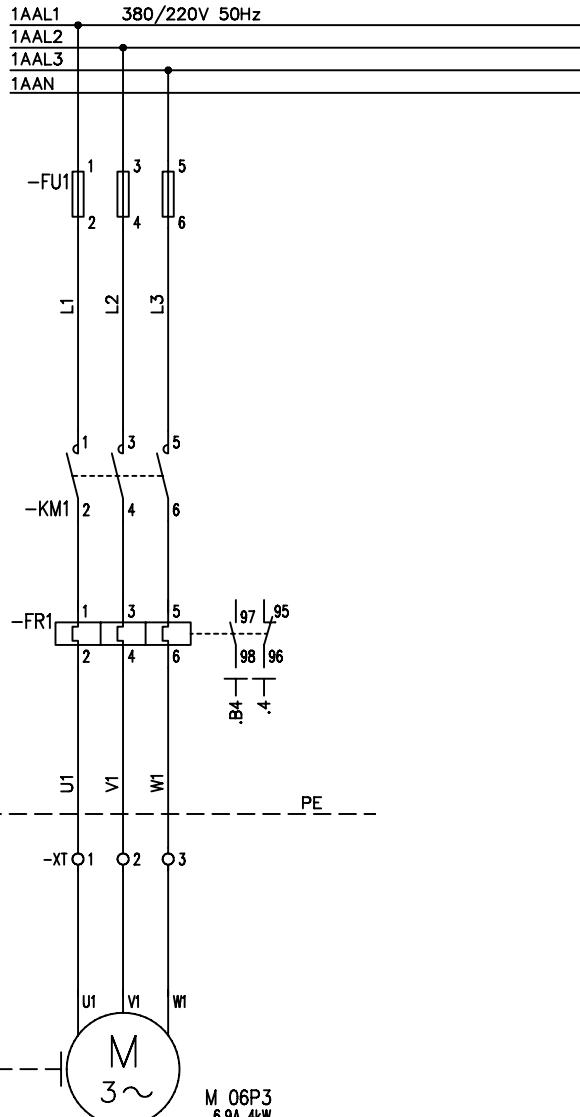
WIRING DIAGRAM
M 06P2
ETHOX. ALCOHOL
TRANSFER CENTRIFUGAL PUM
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 dwg. 1E35-75-001

Moditech s.r.l.

= 90.LVB.1
+ 4BC
(B)
01 sheet 091
092 n.s.



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1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date
It. DIN 6771/Teil 5	1	2	3

SULPHUREX



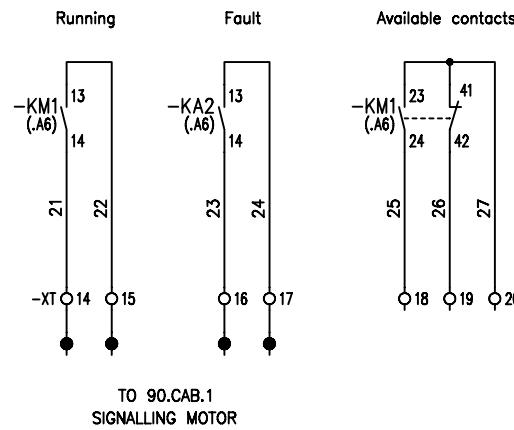
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M 06P3
A.O.S.
TRANSFER CENTRIFUGAL PUMP
drawing's title:

Dis. 10.CC1K2544.E01

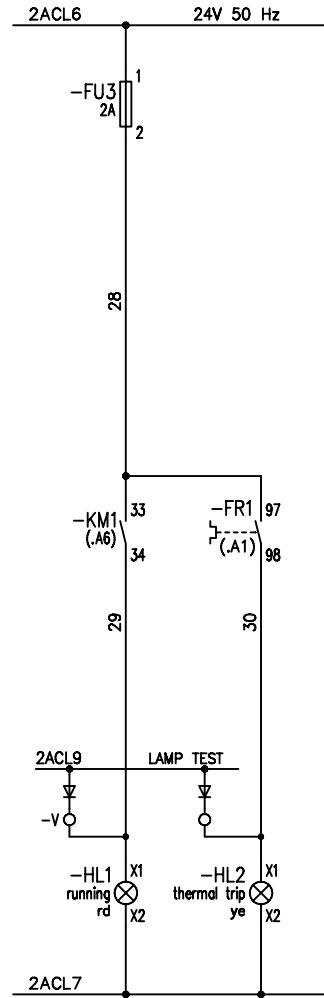
Job: 1E35 1E35-75-001

Moditech s.r.l.

= 90.LVB.1
+ 4BD
(A)
sheet 092
093 n.sh



TO 90.CAB.1
SIGNALLING MOTOR



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rev.	Issue	Description	Author	Date
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	

SULPHUREX



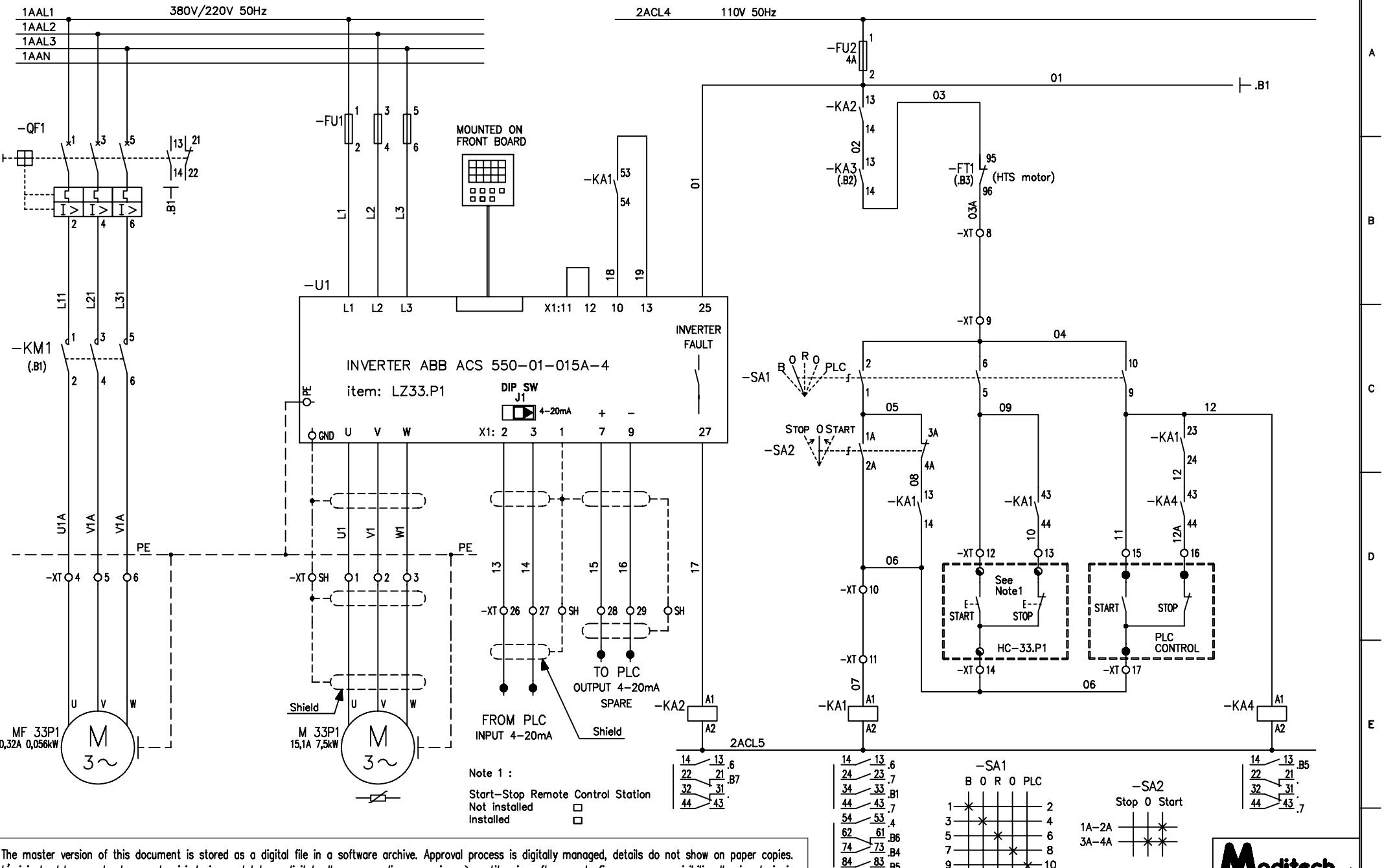
**WIRING DIAGRAM
M 06P3
A.O.S.
TRANSFER CENTRIFUGAL PUM
drawing's title:**

Dis. 10.CC1K2544.E0

Job: 1E35 dwg. 1E35-75-001

Moditech s.r.l.

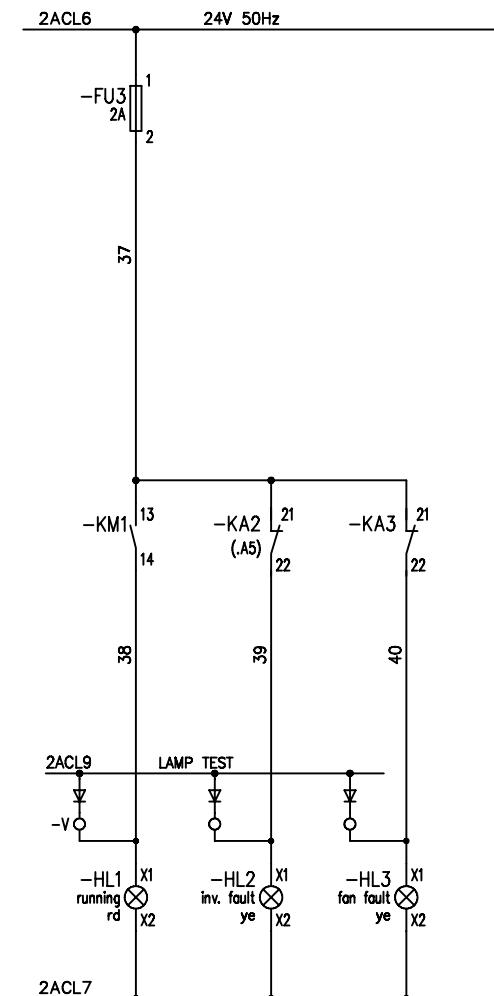
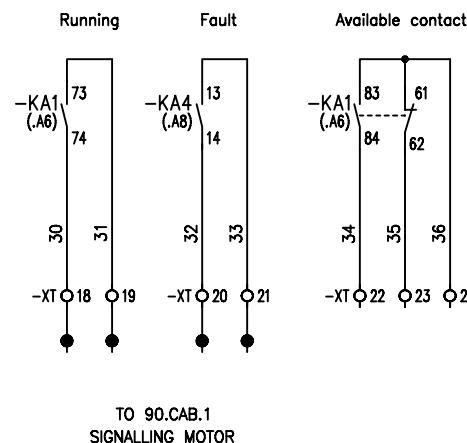
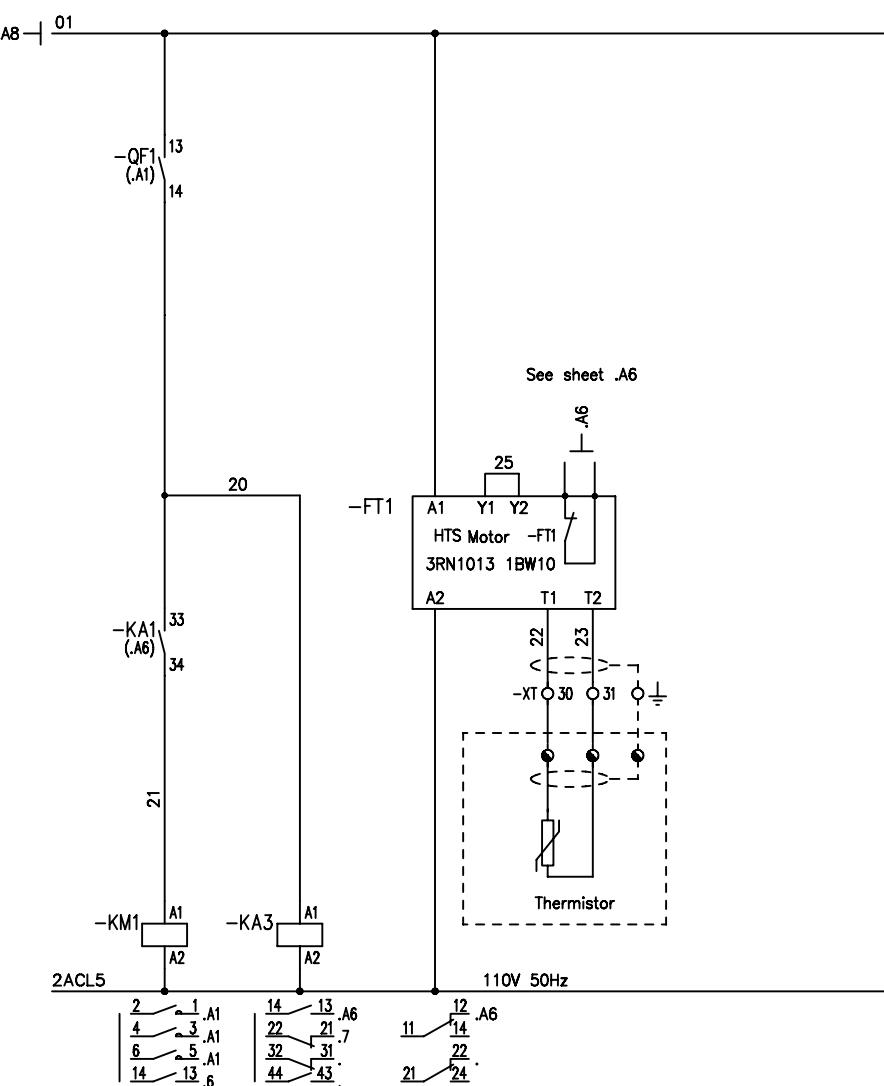
= 90.LVB.1
+ 4BD
(B)



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Moditech s.r.l.

UNI A3				WIRING DIAGRAM M 33P1 PASTE TRANSFER GEAR PUMP drawing's title:	Dis. 10.CC1K2544.E01 Job: 1E35	= 90.LVB.1 + 3BA (A)	dwg. 1E35-75-001	sheet 094 095 n.sh
1	AFTER TEST	A. EMONTE	03/05/2010	SULPHUREX				
0	FIRST ISSUE	A. EMONTE	16/02/2010					
rev.	Issue Description	Author	Date					



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rev.	Issue Description	Author	Date	
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	

SULPHUREX



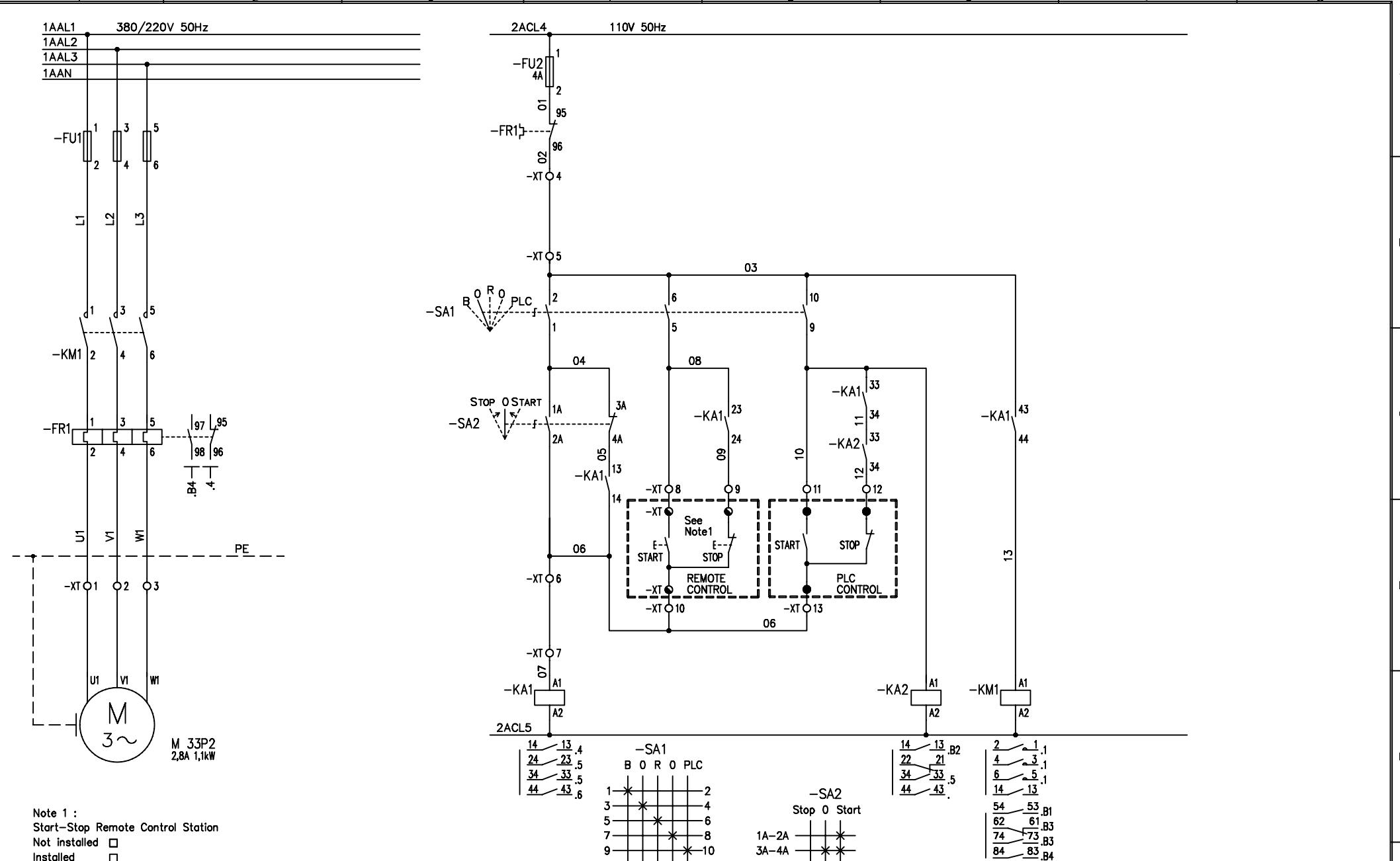
WIRING DIAGRAM
M 33P1
PASTE TRANSFER GEAR PUM

drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 dwg. 1E35-75-001

3BA
(B) sheet 095
096 n.sh



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Moditech s.r.l.

= 90.LVB.1
+ 3BB
(A)
sheet 096
097 n.sh

It.	DIN 6771/Teil 5	1	2	3	4	5	6	7	8
1	AFTER TEST	A. EMONTE	03/05/2010						
0	FIRST ISSUE	A. EMONTE	16/02/2010						
rev.	Issue Description	Author	Date						

SULPHUREX

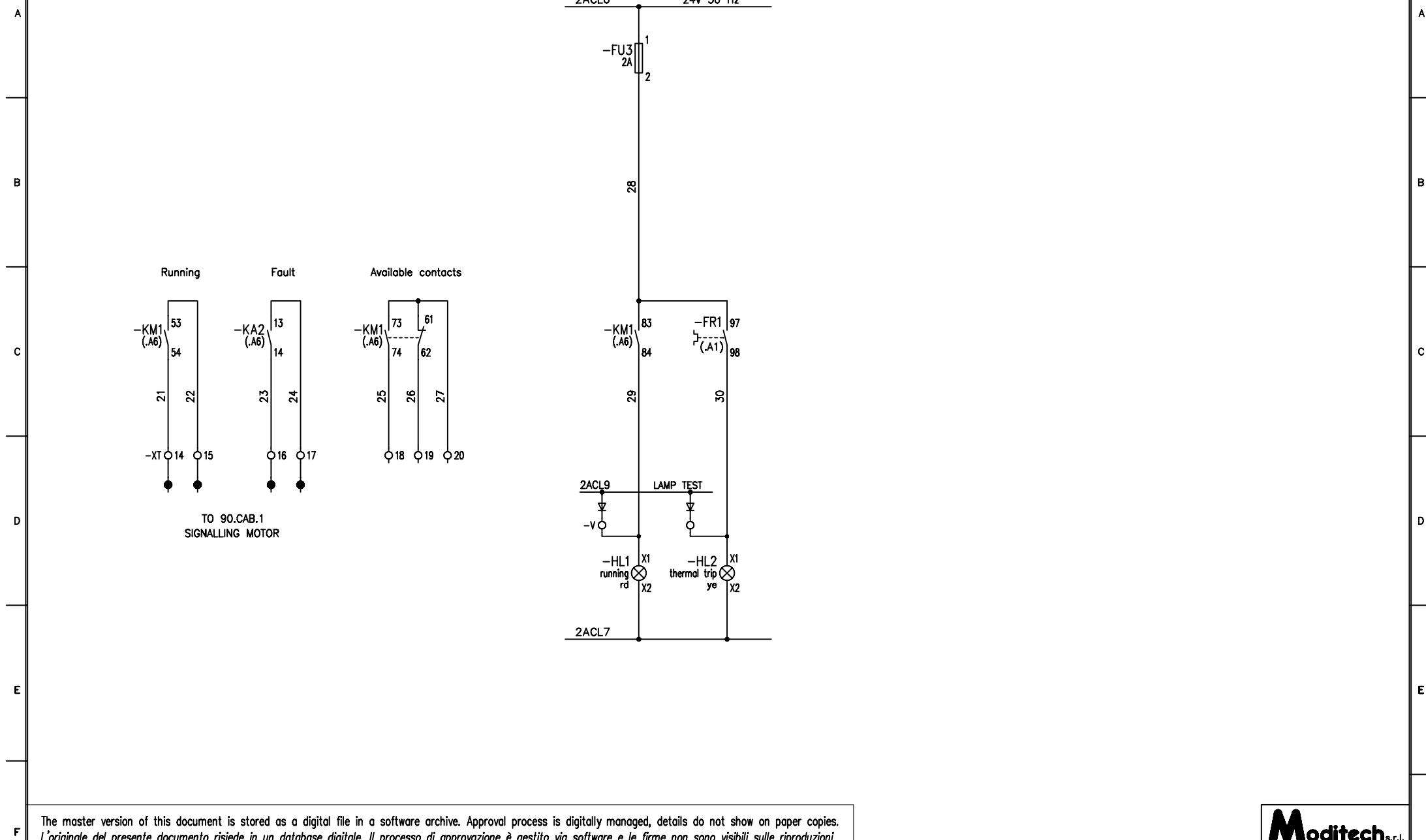


WIRING DIAGRAM
M 33P2
CONDENSATE TRANSFER
CENTRIFUGAL PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

dwg. sheet 096
097 n.sh



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UNI A3	It. DIN 6771/Teil 5	1	2	3	4	5	6	7	8
1	AFTER TEST	A. EMONTE	03/05/2010						
0	FIRST ISSUE	A. EMONTE	16/02/2010						
rev.	Issue Description	Author	Date						

SULPHUREX

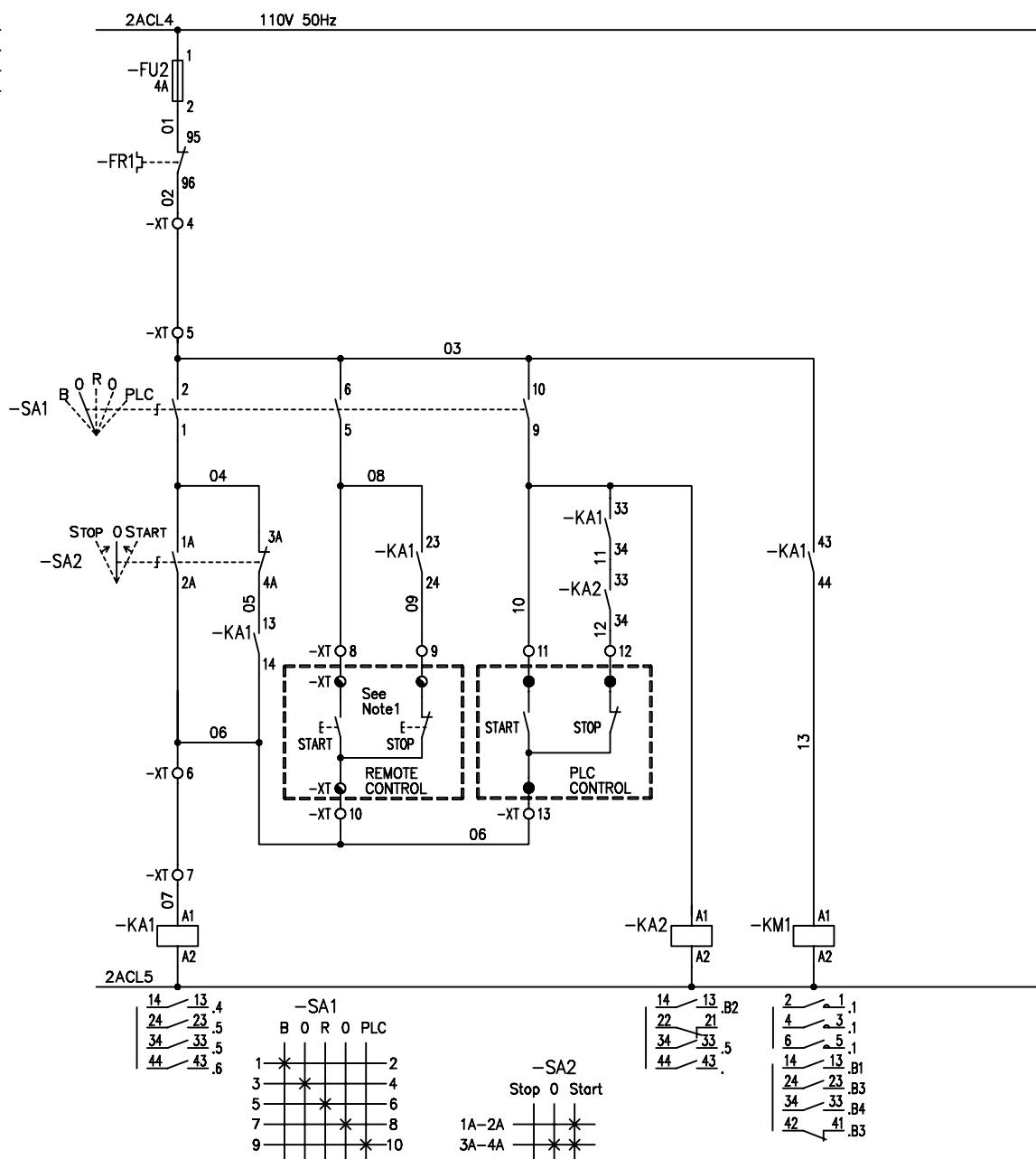
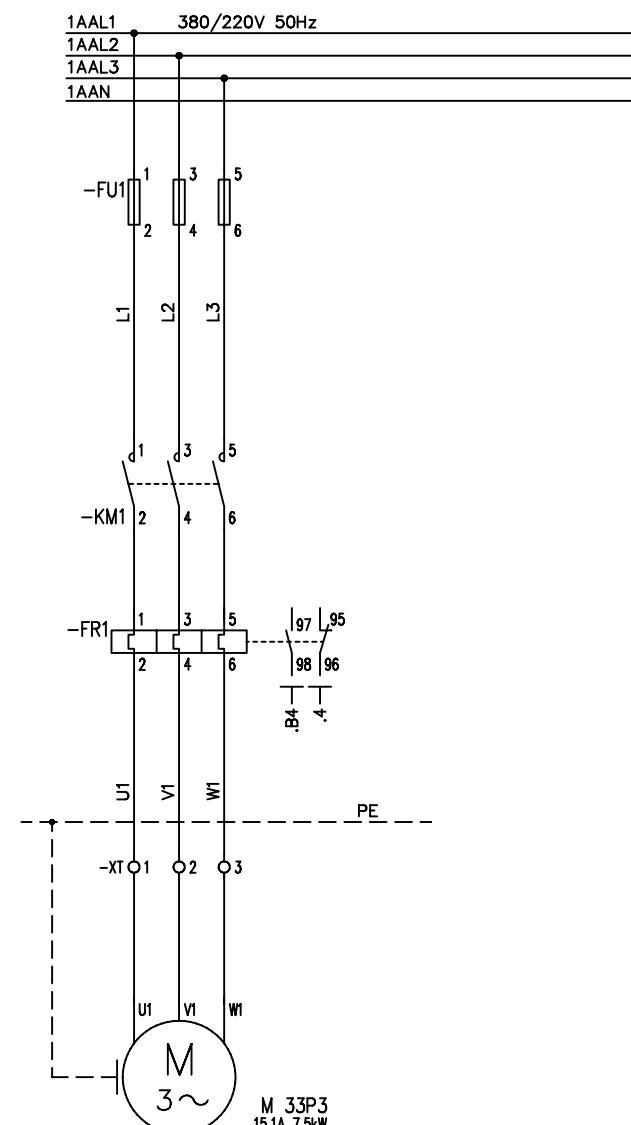


WIRING DIAGRAM
M 33P2
CONDENSATE TRANSFER
CENTRIFUGAL PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 3BB
(B)
sheet 097
098 n.sh



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rev.	Issue Description	Author	Date
1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010

SULPHUREX



WIRING DIAGRAM
M 33P3
COOLING WATER
REC. CENTRIFUGAL PUMP
drawing's title:

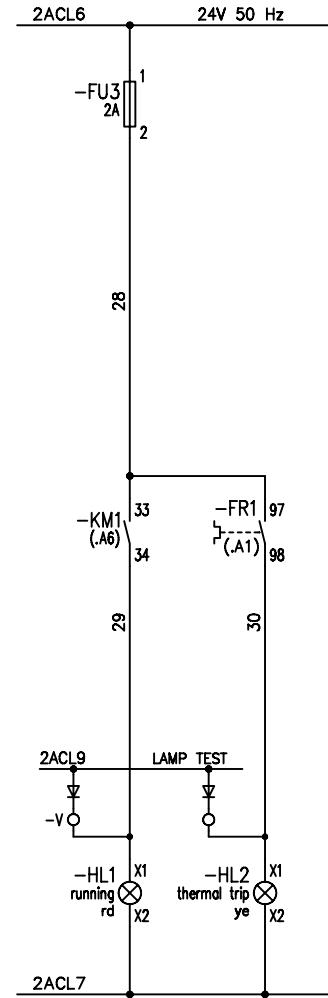
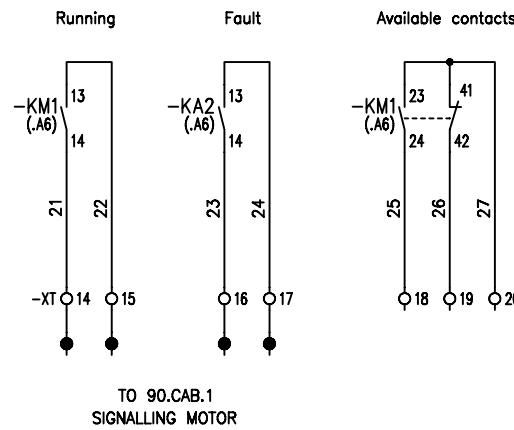
Dis. 10.CC1K2544.E01

Job: 1E35 dwa. 1E35-75-001

Moditech s.r.l.

= 90.LVB.1
+ 3BC
(A)

01	sheet 098
	099 n.sh



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UNI A3				
rev.	Issue	Description	Author	Date
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	

SULPHUREX

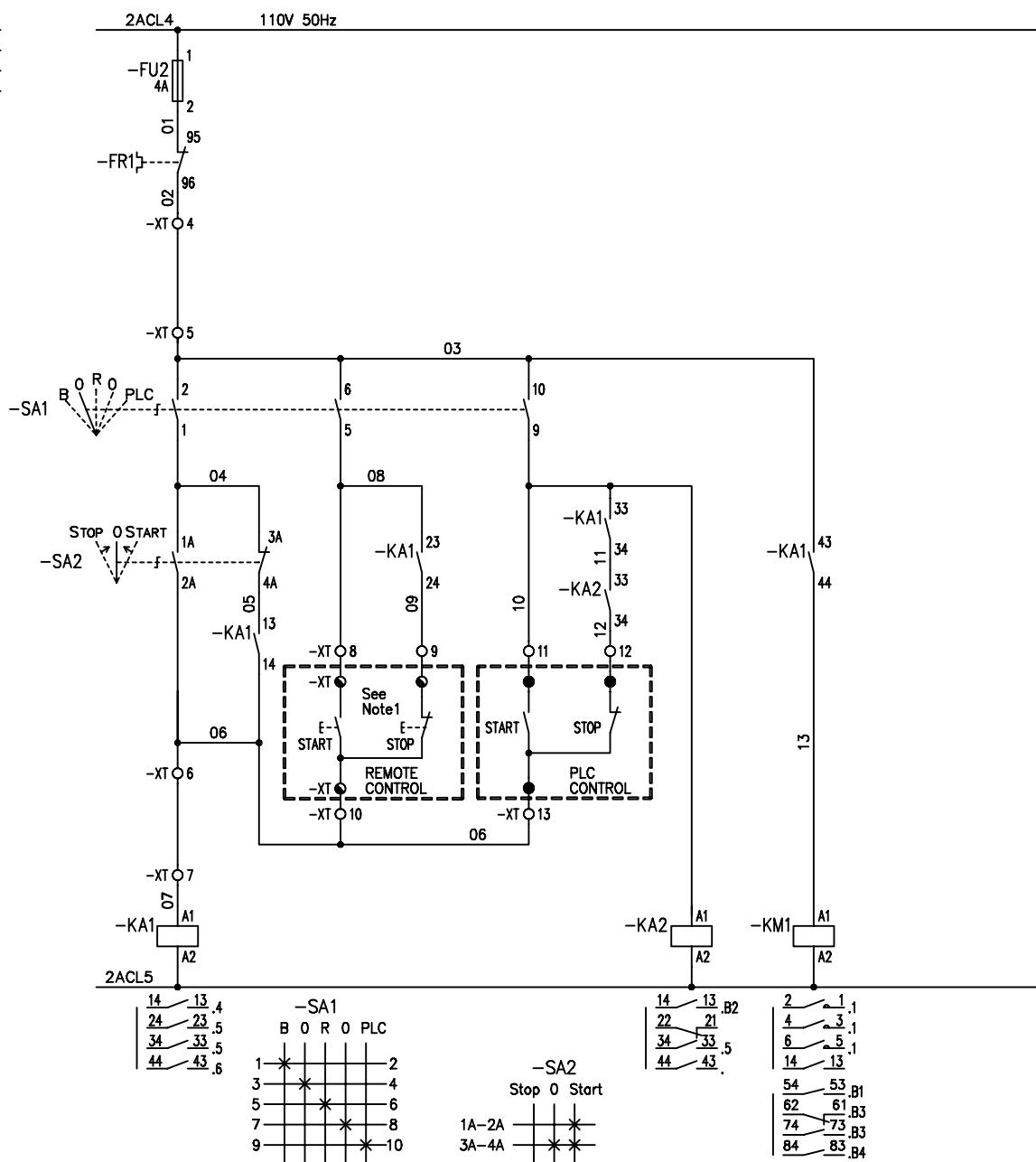
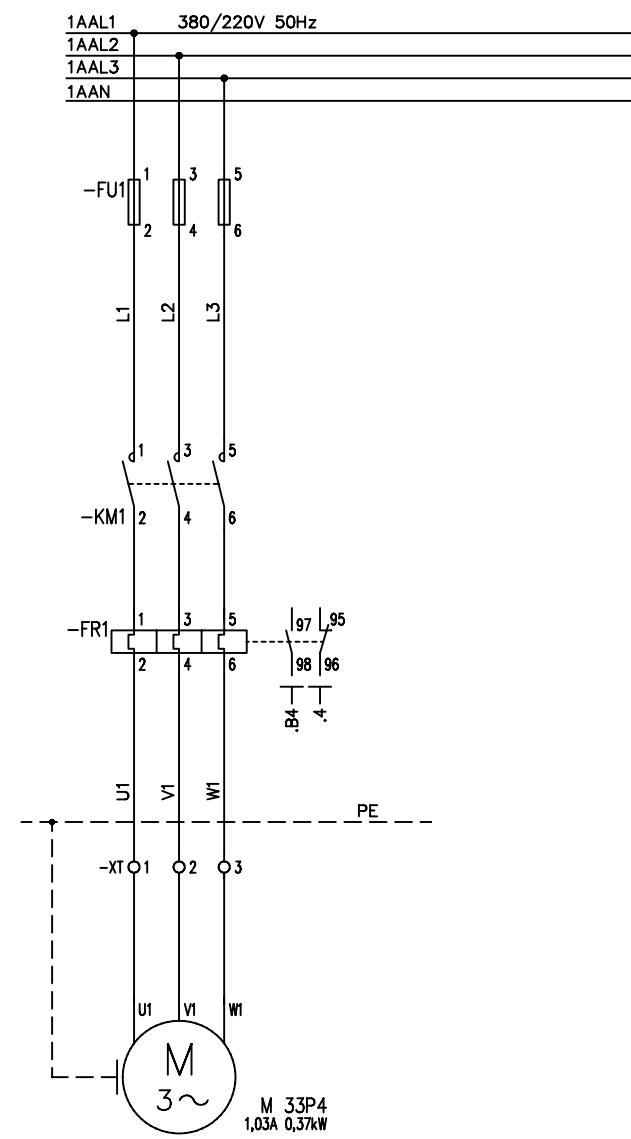


WIRING DIAGRAM
M 33P3
COOLING WATER
REC. CENTRIFUGAL PUMP

Dis. 10.CC1K2544.E0

Job: 1E35 **dwg. 1E35-75-001**

 Moditech s.r.l.
 = 90.LVB.1
 + 3BC
 (.B)
 01 sheet 099
 100 n.s.
 B



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rev.	Issue Description	Author	Date	
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	

SULPHUREX



WIRING DIAGRAM
M 33P4
BUFFER FEED DOSING PUM

Dis. 10.CC1K2544.E01

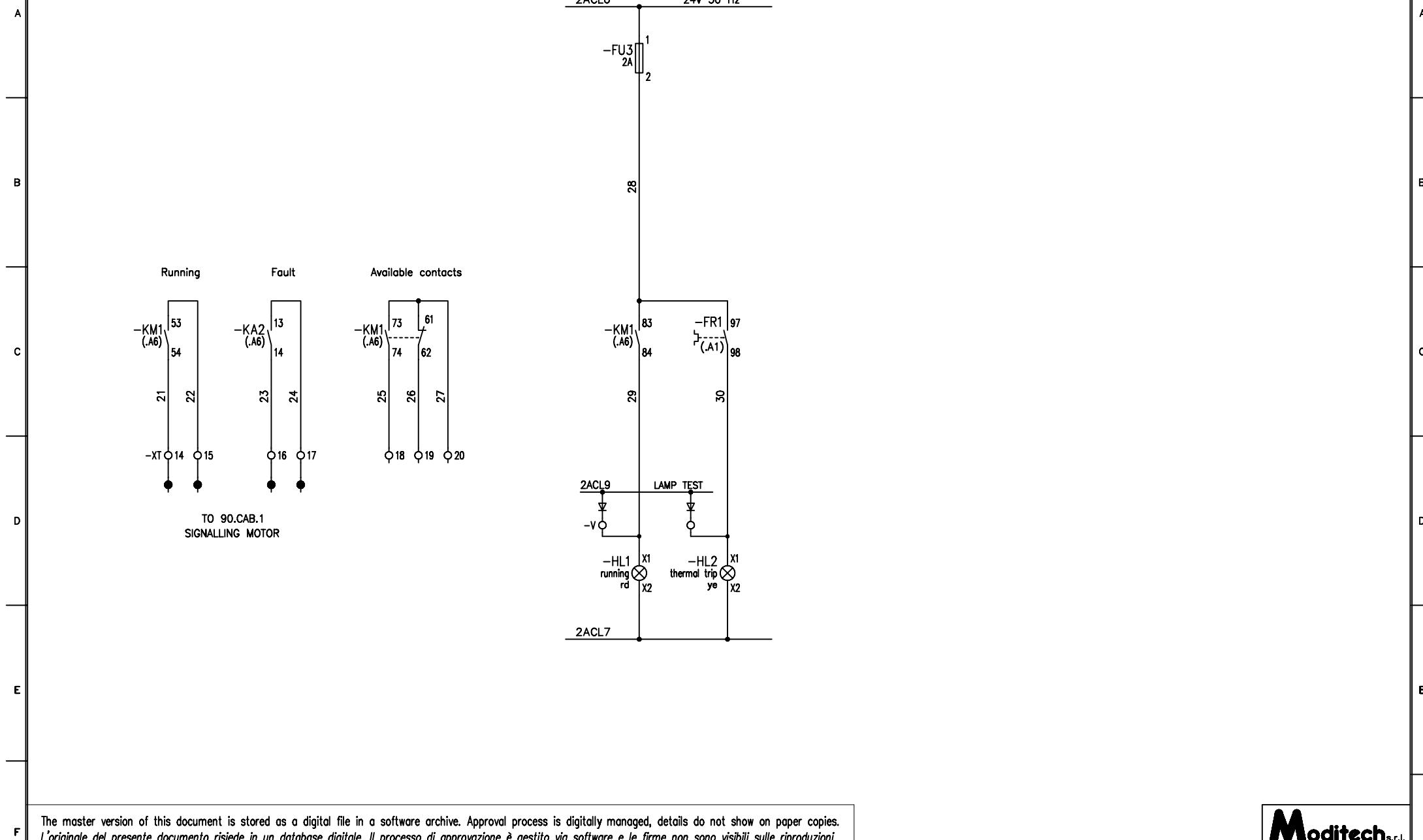
Job: 1E35 dwa. 1E35-75-001

Moditech s.r.l.

= 90.LVB.1
+ 3BD
(A)

	sheet	100
01	101	n.sh

1 2 3 4 5 6 7 8



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Moditech s.r.l.

It.	DIN 6771/Teil	5	1	2	3	4	5	6	7	8
1	AFTER TEST									
0	FIRST ISSUE									
rev.	Issue	Description	Author	Date						

SULPHUREX

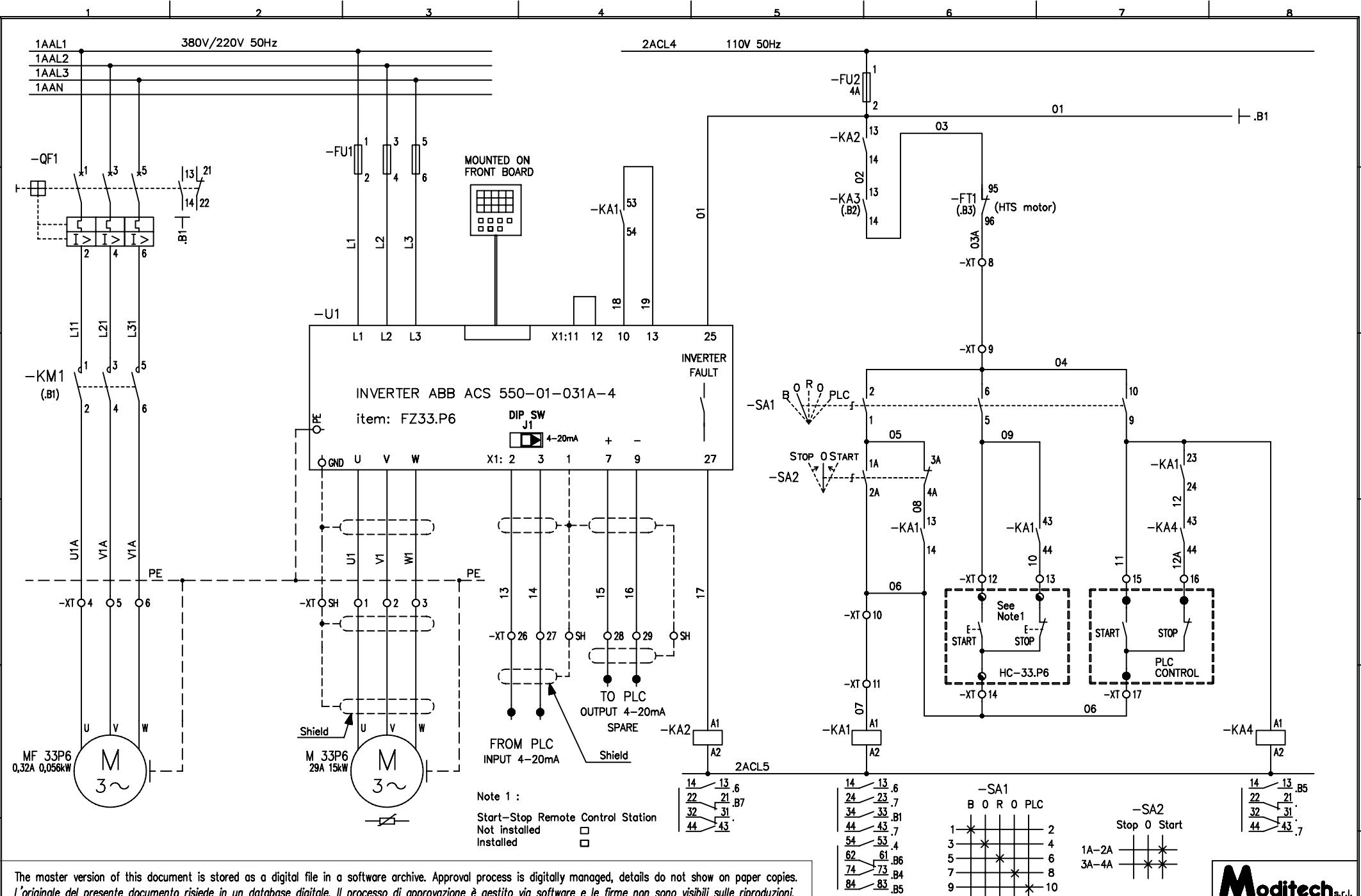


WIRING DIAGRAM
M 33P4
BUFFER FEED DOSING PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 3BD
(B)
sheet 101
102 n.sh



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DIN 6771/Teil 5 1 2

DIN 6771/Teil 5 1 2

DIN 6771/Teil 5 1 2

SULPHUREX



WIRING DIAGRAM
M 33P6
WATER / NaOH PRO
DOSING PUMP

Dis. 10.CC1K2544.E01

Job: 1E35 dwa. 1E35-75-001

Moditech s.r.l.

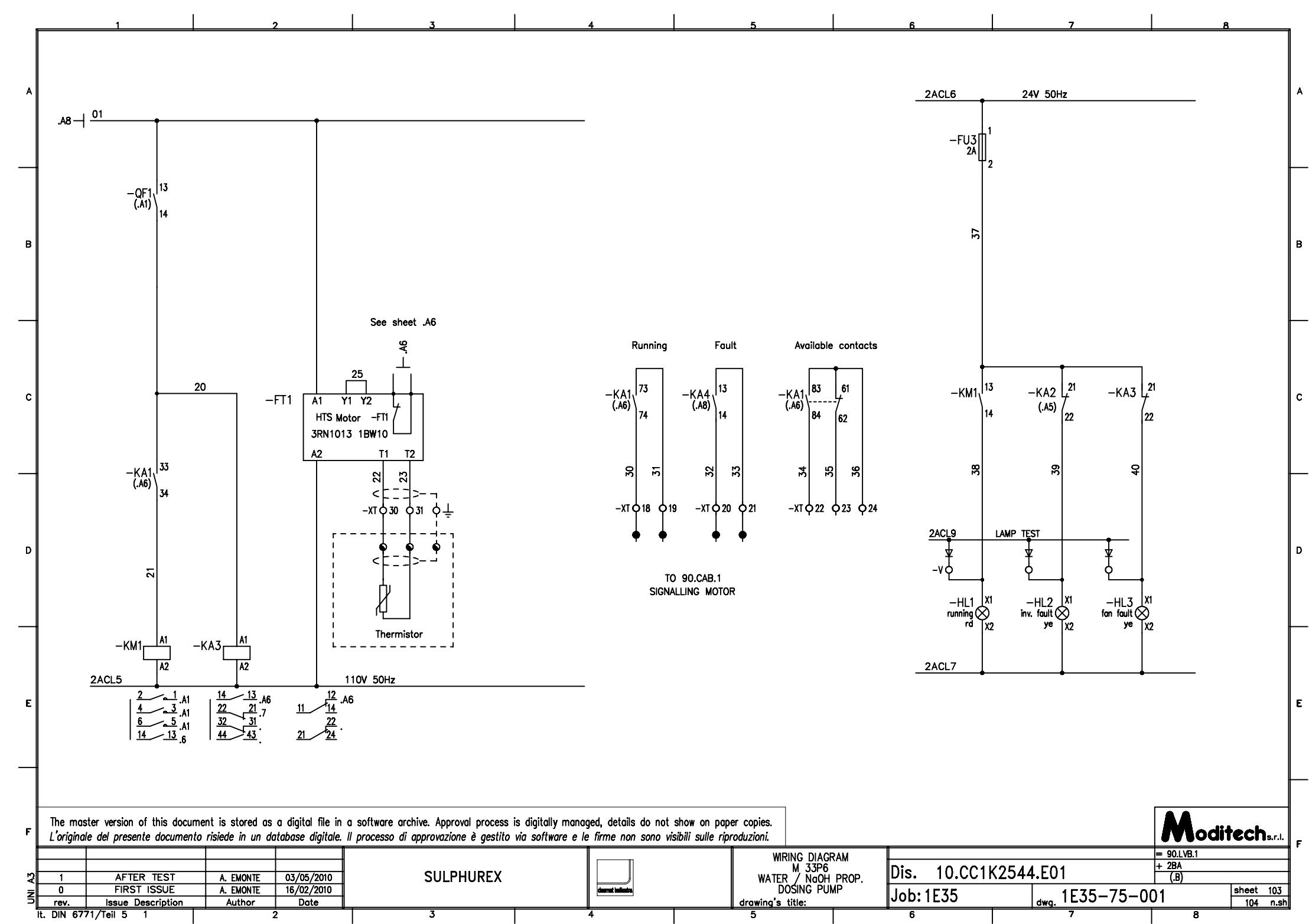
= 90.LVB.1

$$+ 2BA$$

sheet 102

sheet 102

103 11.3



1AAL1 380/220V 50Hz
1AAL2
1AAL3
1AAN

-FU1
1 3 5
2 4 6

L1 L2 L3

d1 d3 d5

-KM1
2 4 6

-FR1
1 3 5
2 4 6
97 95
98 96

5 V1 W1
-XT O1 O2 O3

M 3~
M 33P7
15,1A 7,5kW

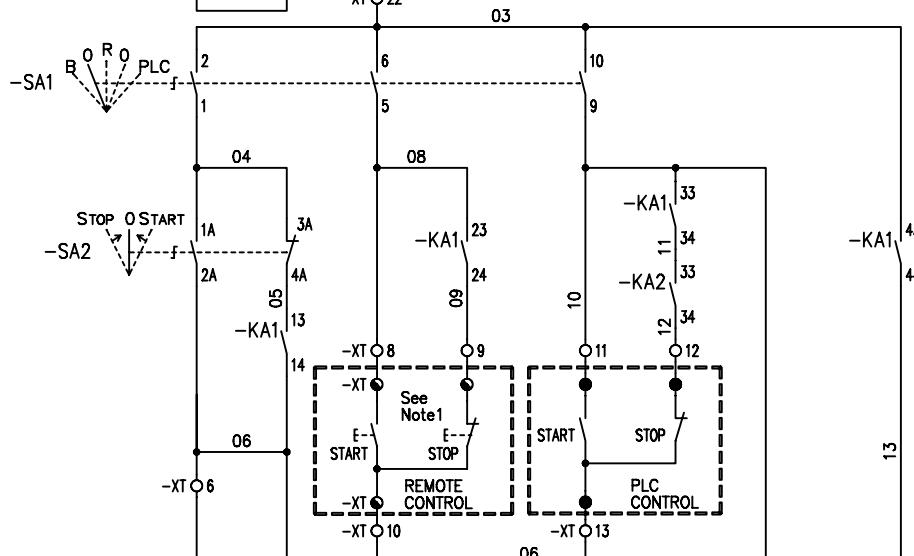
Note 1 :
Start-Stop Remote Control Station
Not installed
Installed

2ACL4 110V 50Hz

-FU2 4A
1 2 3 4 5 6
95 96
-FR1
-XT O4
-XT O5
-XT O21
-XT O22

FROM 90.CAB.1
DWG. 1E35-85-001
Sheet 010

ITB PUSH 33.7



See Note1
E- START
E- STOP
REMOTE CONTROL

PLC CONTROL

1A-2A
3A-4A

-KA1
33 34
1 12 12
33 34
43 44

13

-KA2
A1 A2

-KM1
A1 A2

2ACL5
14 13 4
24 23 5
34 33 6
44 43 .6
-SA1
B 0 R 0 PLC
1 2 3 4 5 6 7 8 9 10
-SA2
Stop 0 Start
1A-2A
3A-4A

14 13 4
22 21 5
34 33 6
44 43 .6
-SA1
B 0 R 0 PLC
1 2 3 4 5 6 7 8 9 10
-SA2
Stop 0 Start
1A-2A
3A-4A

2 1 1
4 3 1
6 5 1
14 13 B1
24 23 B3
34 33 B4
42 41 B3

F
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1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date

SULPHUREX



WIRING DIAGRAM
M 33P7
PASTE TRANSF. GEAR PUMP
drawing's title:

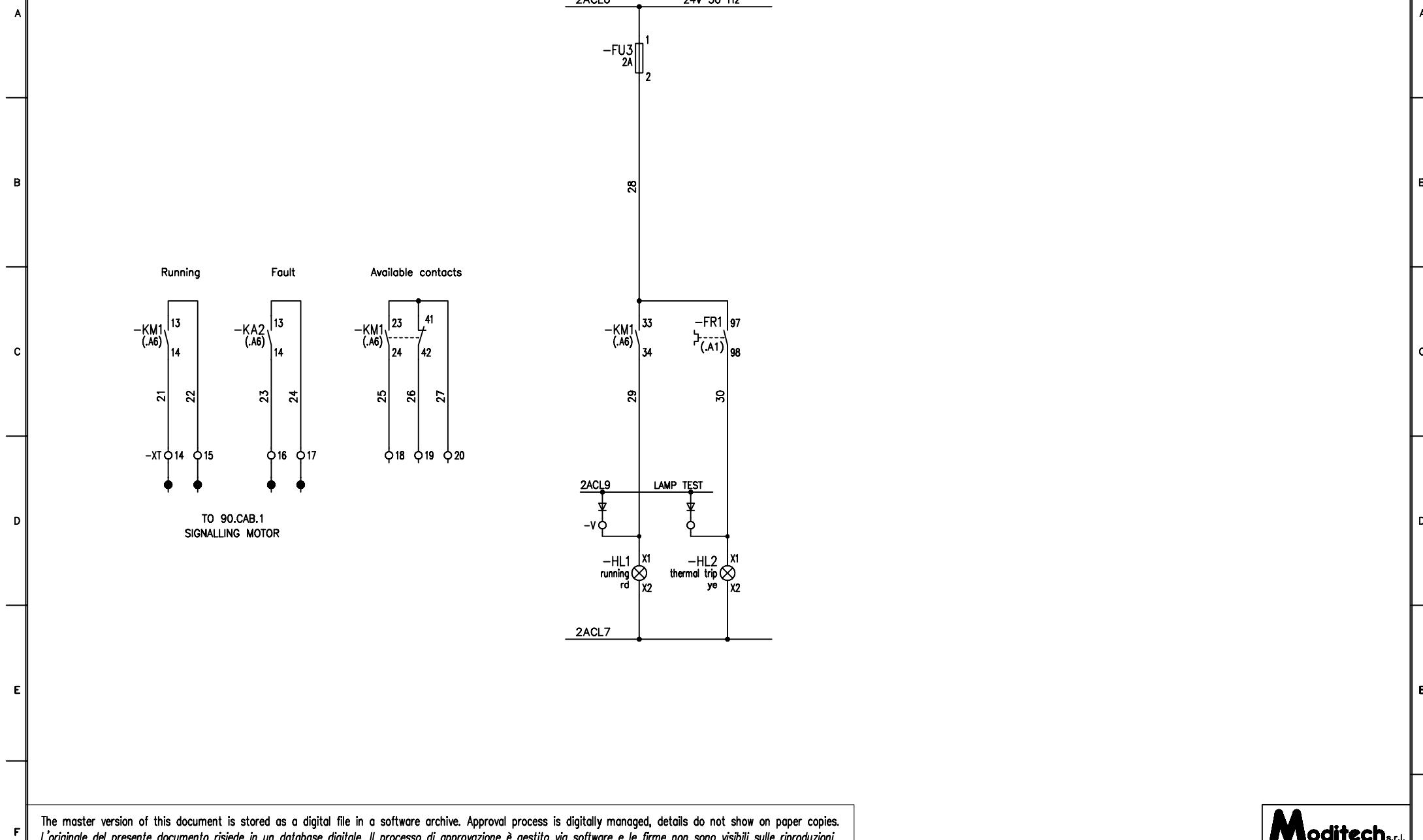
Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

Moditech s.r.l.

= 90.LVB.1
+ 2BB
(A)
sheet 104
105 n.sh

1 2 3 4 5 6 7 8



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It.	DIN 6771/Teil	5	1	2	3	4	5	6	7	8
1	AFTER TEST									
0	FIRST ISSUE									
rev.	Issue	Description	Author	Date						

SULPHUREX

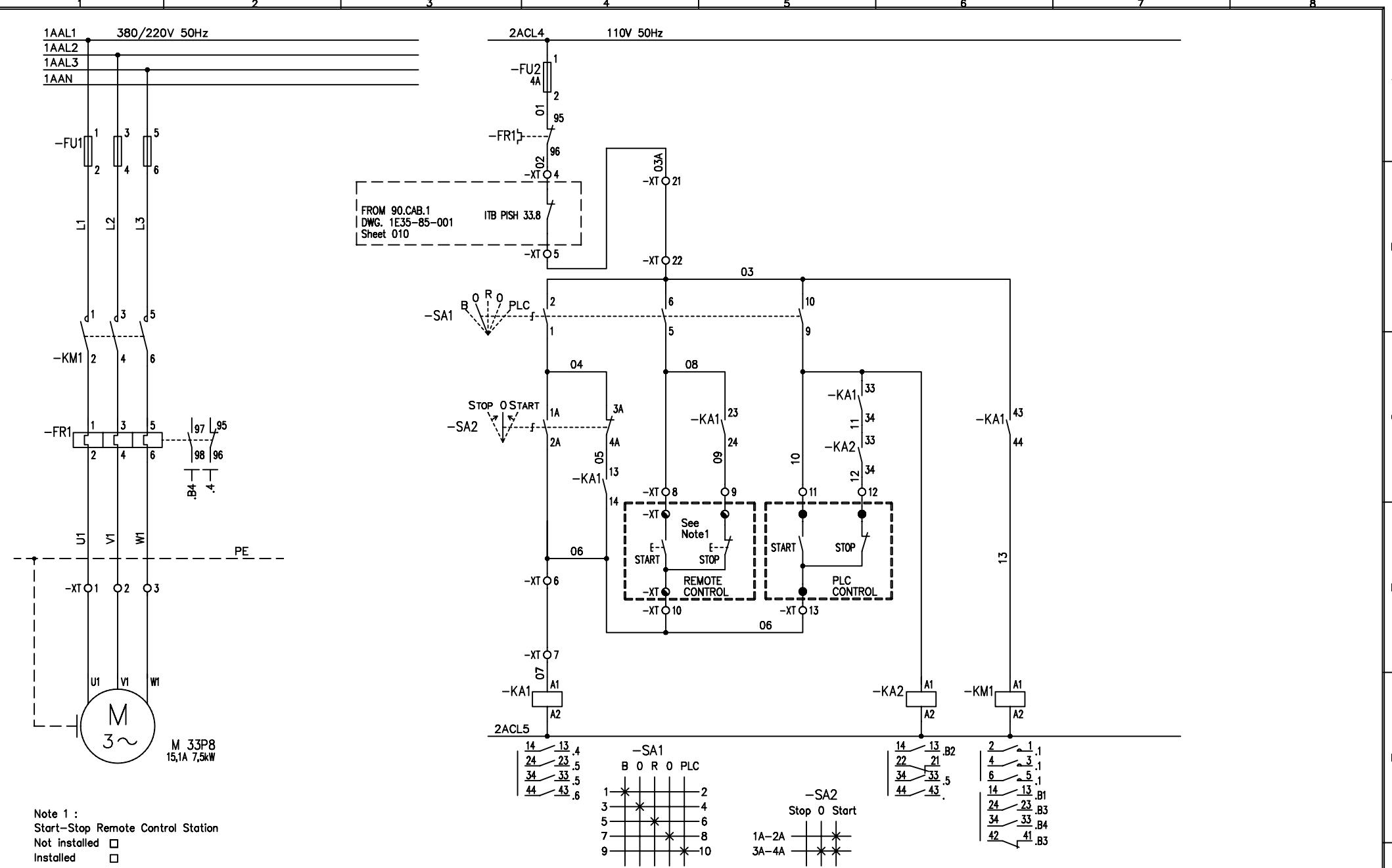


WIRING DIAGRAM
M 33P7
PASTE TRANSF. GEAR PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35

= 90.LVB.1
+ 2BB
(B)
sheet 105
dwg. 1E35-75-001
106 n.sh



Note 1 :
Start-Stop Remote Control Station
Not installed
Installed

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rev.	Issue Description	Author	Date
1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010

SULPHUREX



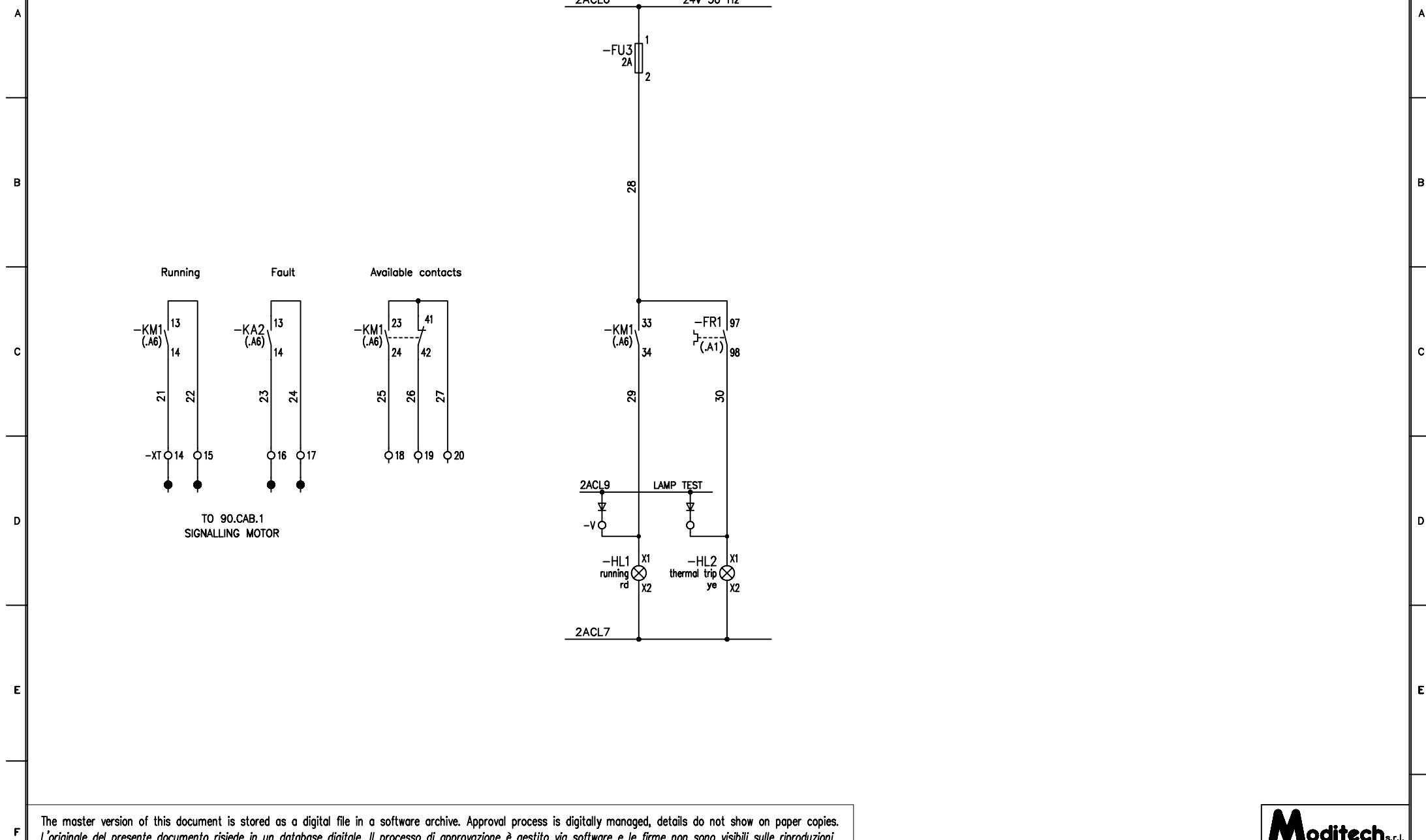
WIRING DIAGRAM
M 33P8
PASTE TRANSF. GEAR PL

Dis. 10.CC1K2544.E01

Job: 1E35 dws 1E35-75-001

Moditech s.r.l.

= 90.LVB.1
+ 2BC
.A)



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It.	DIN 6771/Teil	5	1	2	3	4	5	6	7	8
UNI A3										
1	AFTER TEST		A. EMONTE	03/05/2010						
0	FIRST ISSUE		A. EMONTE	16/02/2010						
rev.	Issue	Description	Author	Date						

SULPHUREX

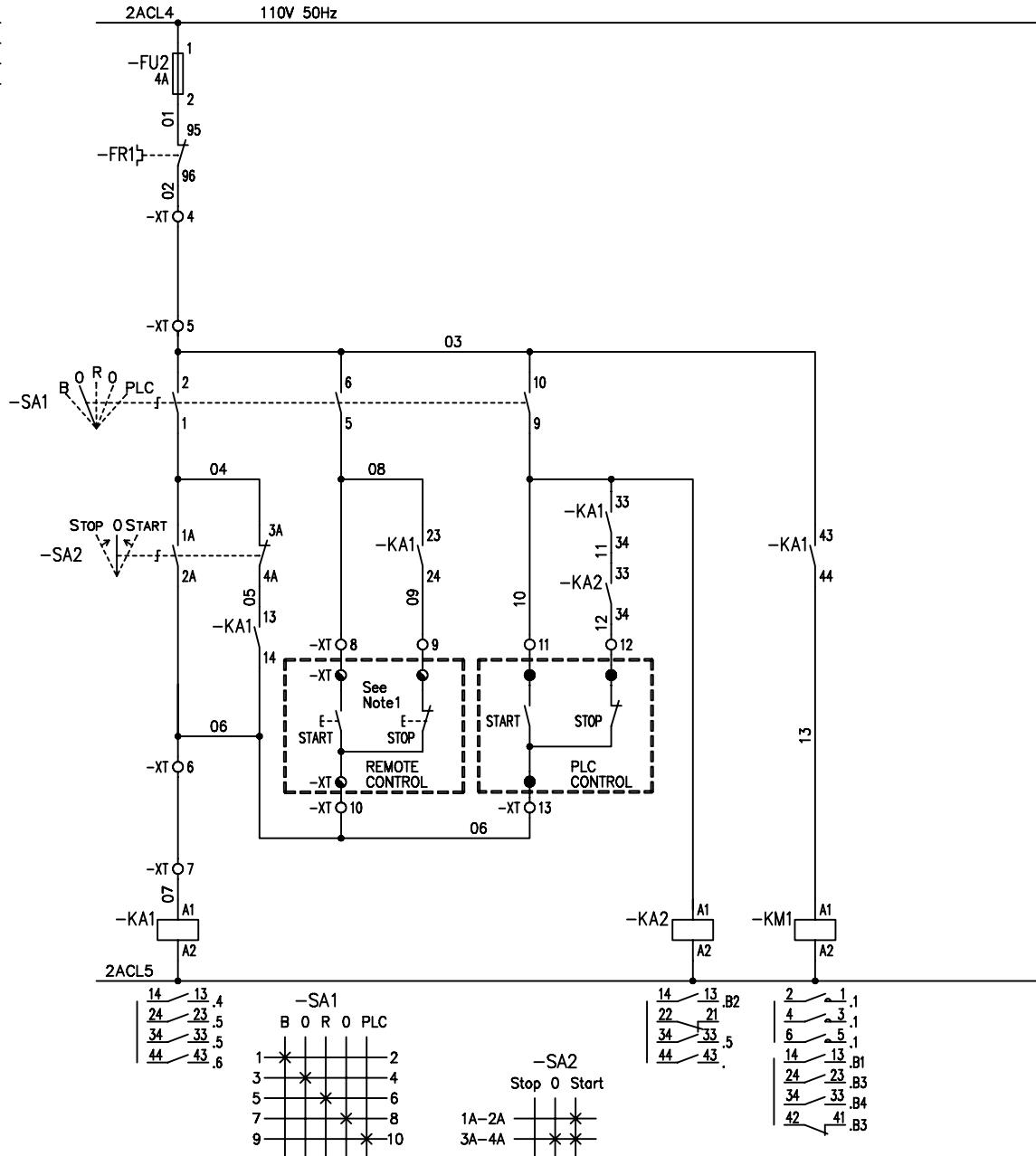
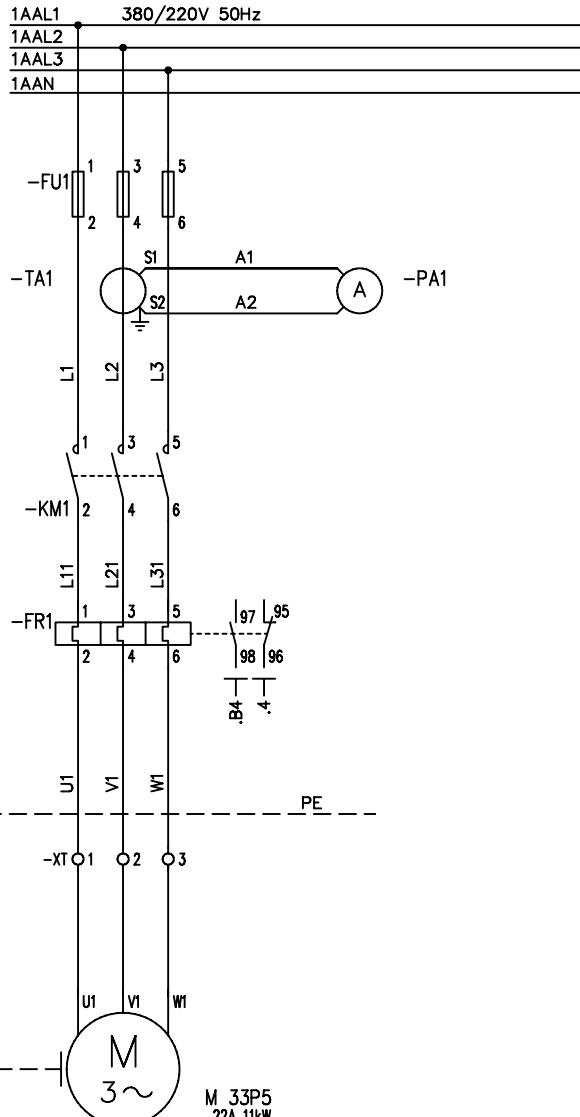


WIRING DIAGRAM
M 33P8
PASTE TRANSF. GEAR PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 2BC
(.B)
sheet 107
dwg. 1E35-75-001
108 n.sh



Note 1 :
Start-Stop Remote Control Station
Not installed
Installed

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Moditech s.r.l.

= 90.LVB.1
+ 2BD
(A)
sheet 108
109 n.sh

1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date

SULPHUREX



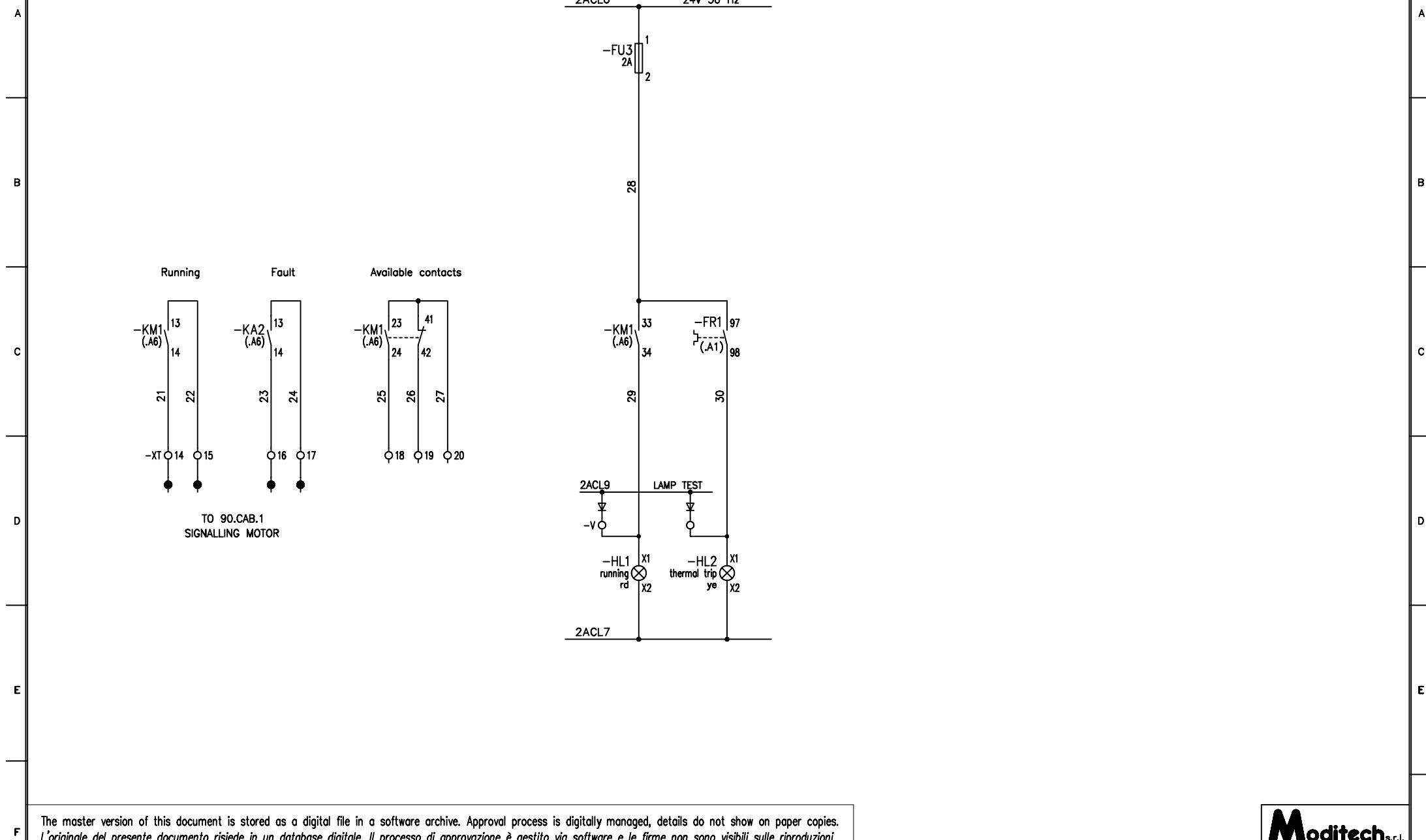
WIRING DIAGRAM
M 33P5
VACUUM CENTRIFUGAL PUMP
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

dwg. sheet 108
109 n.sh

1 2 3 4 5 6 7 8

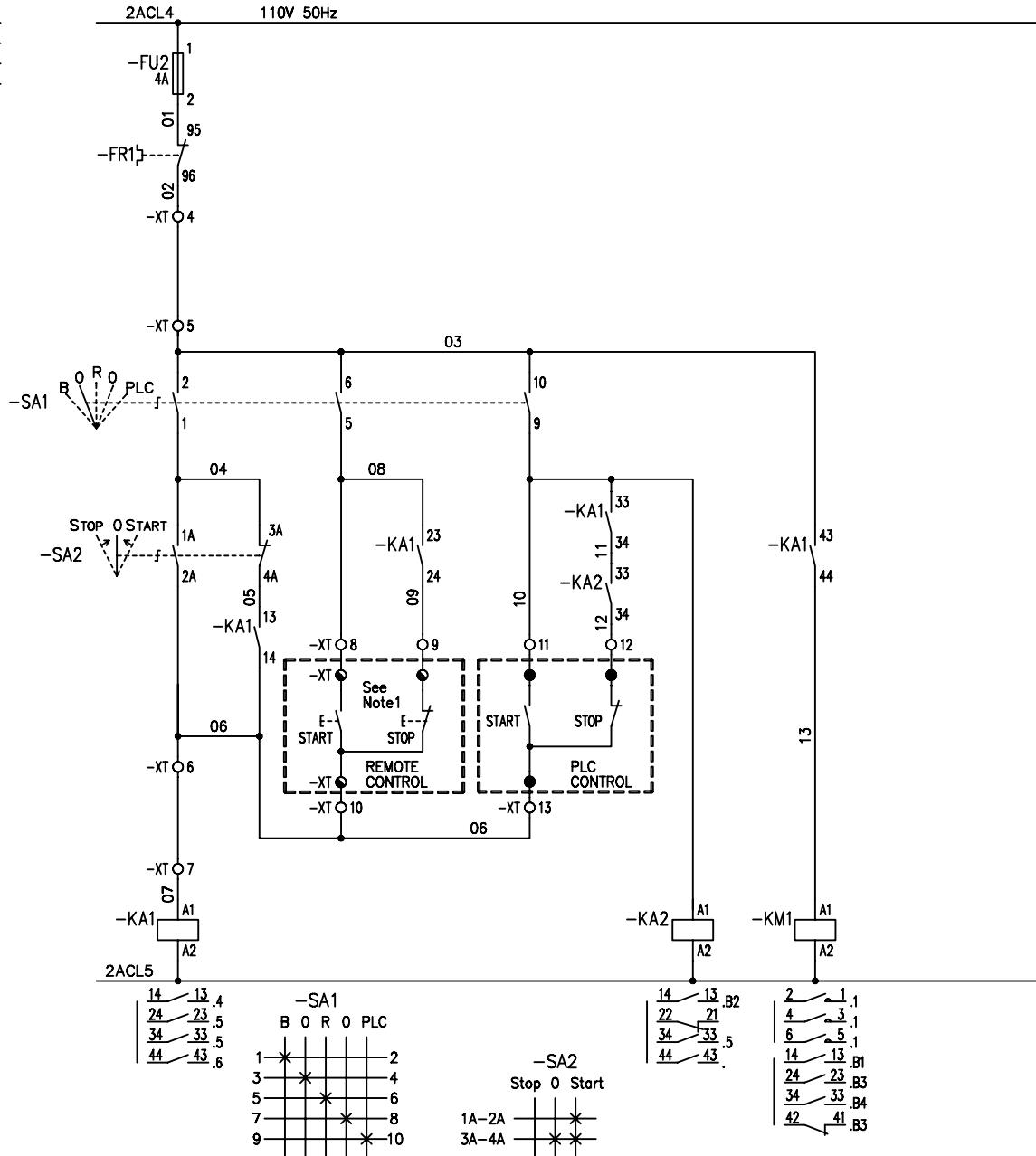
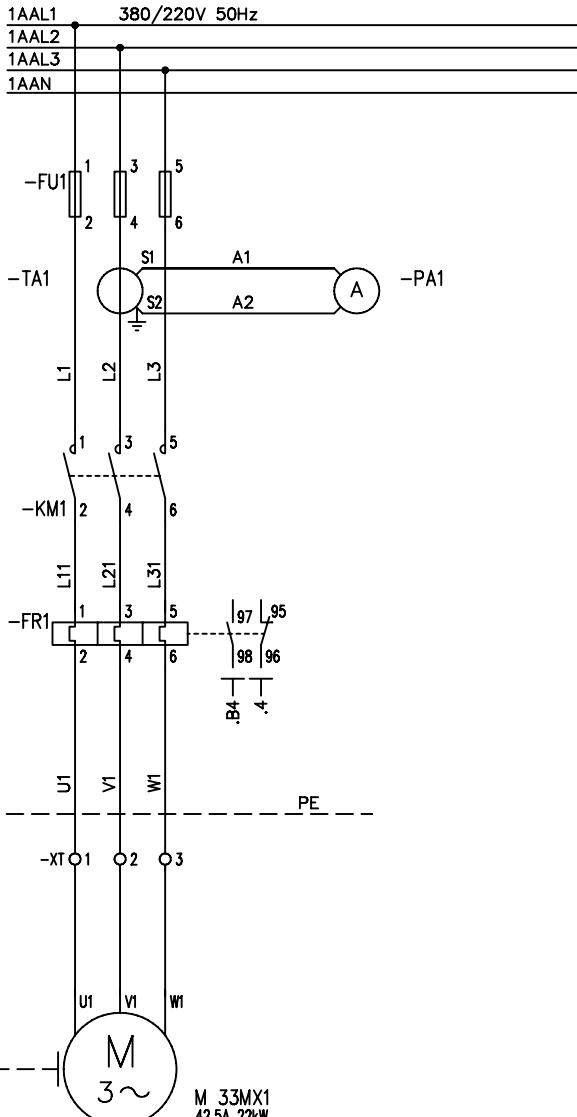


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UNI A3				WIRING DIAGRAM M 33P5 VACUUM CENTRIFUGAL PUMP	Dis. 10.CC1K2544.E01 (.B)	= 90.LVB.1 + 2BD
1	AFTER TEST	A. EMONTE	03/05/2010		Job: 1E35	sheet 109
0	FIRST ISSUE	A. EMONTE	16/02/2010		dwg. 1E35-75-001	110 n.sh
rev.	Issue Description	Author	Date			





Note 1 :
Start-Stop Remote Control Station
Not installed
Installed

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Moditech s.r.l.

= 90.LVB.1
+ 2BE
(A)

sheet 110
111 n.sh

UNI A3				
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	
rev.	Issue Description	Author	Date	

SULPHUREX



WIRING DIAGRAM
M 33MX1
NEUTRALIZATION MIXER
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

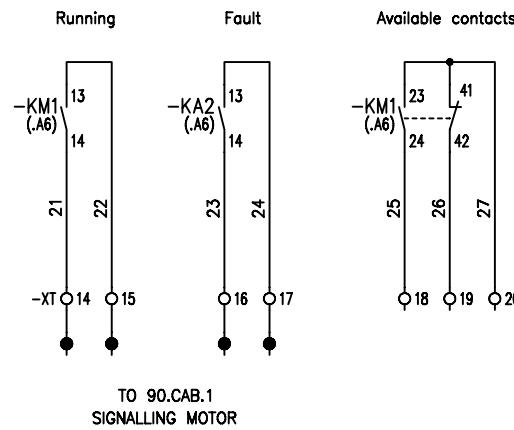
= 90.LVB.1

+ 2BE

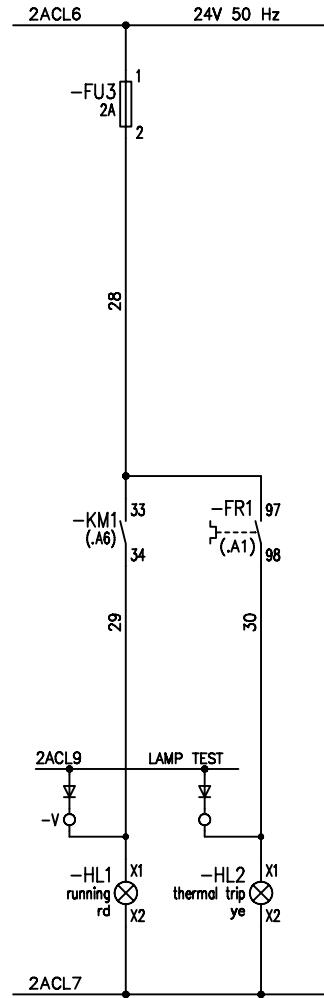
(A)

sheet 110

111 n.sh



TO 90.CAB.1
SIGNALLING MOTOR



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rev.	Issue Description	Author	Date	
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	

SULPHUREX



**WIRING DIAGRAM
M 33MX1
NEUTRALIZATION MIXER**

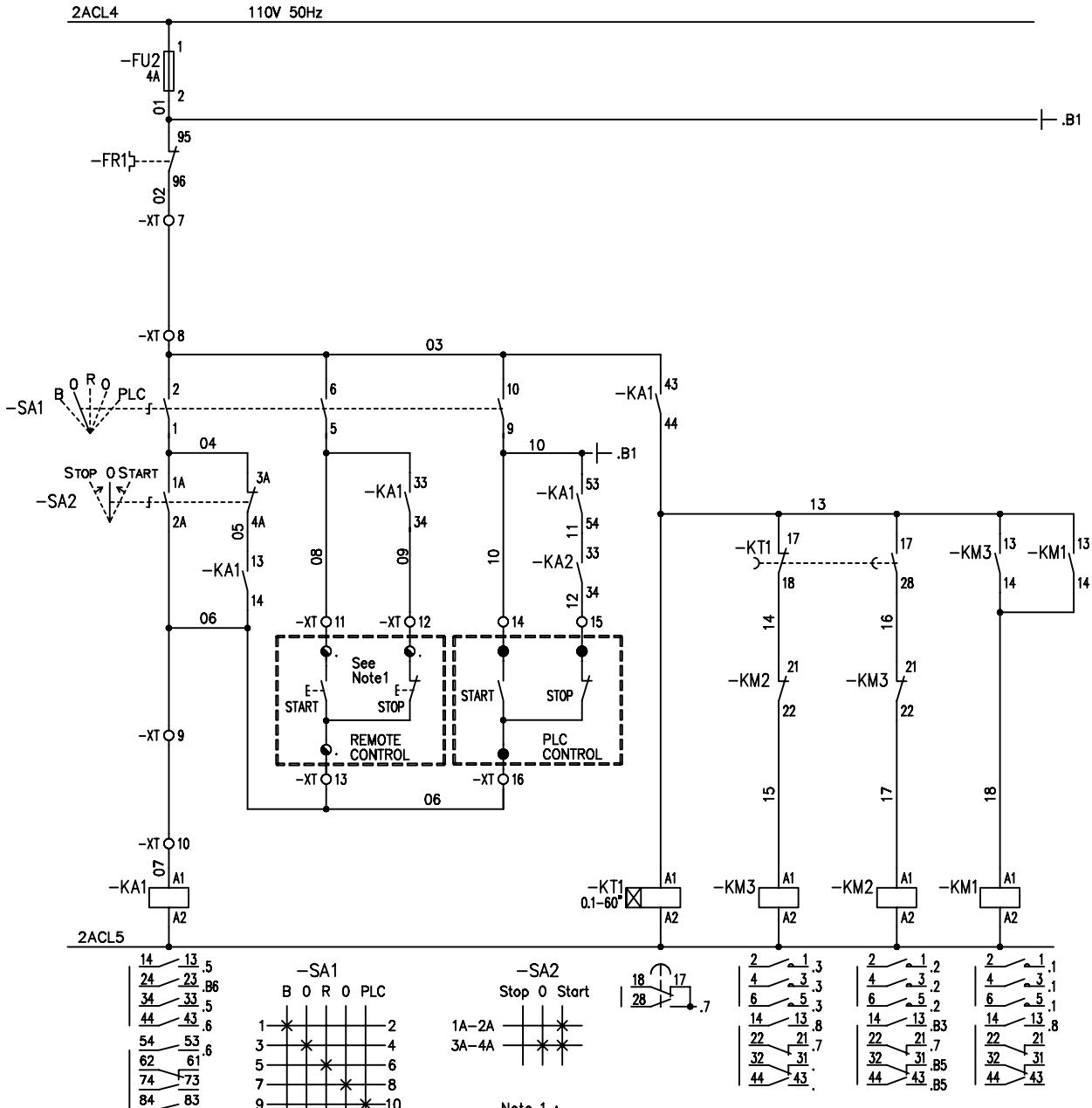
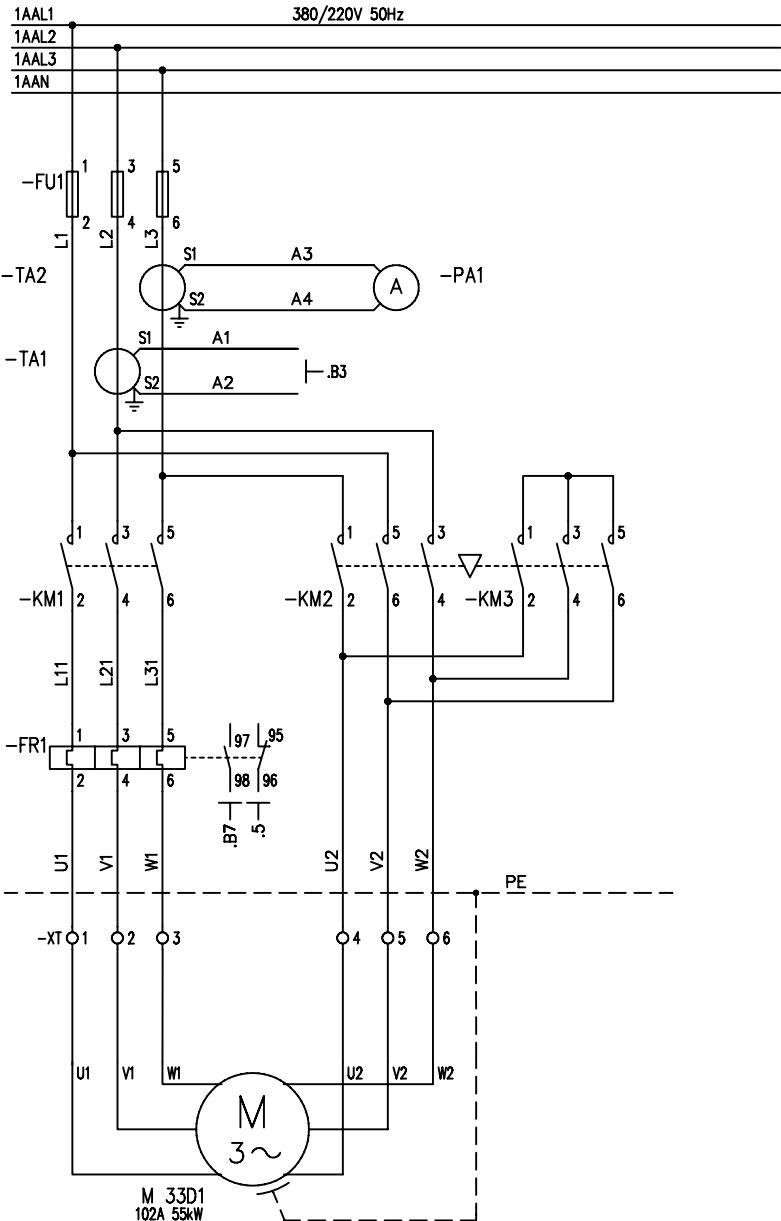
Dis. 10.CC1K2544.E01

Job: 1E35 dwg. 1E35-75-001

Moditech s.r.l.

= 90.LVB.1
+ 2BE
(.B)

01 sheet 111
112 n.s.



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1	AFTER TEST	A. EMONTE	03/05/2010
0	FIRST ISSUE	A. EMONTE	16/02/2010
rev.	Issue Description	Author	Date

SULPHUREX



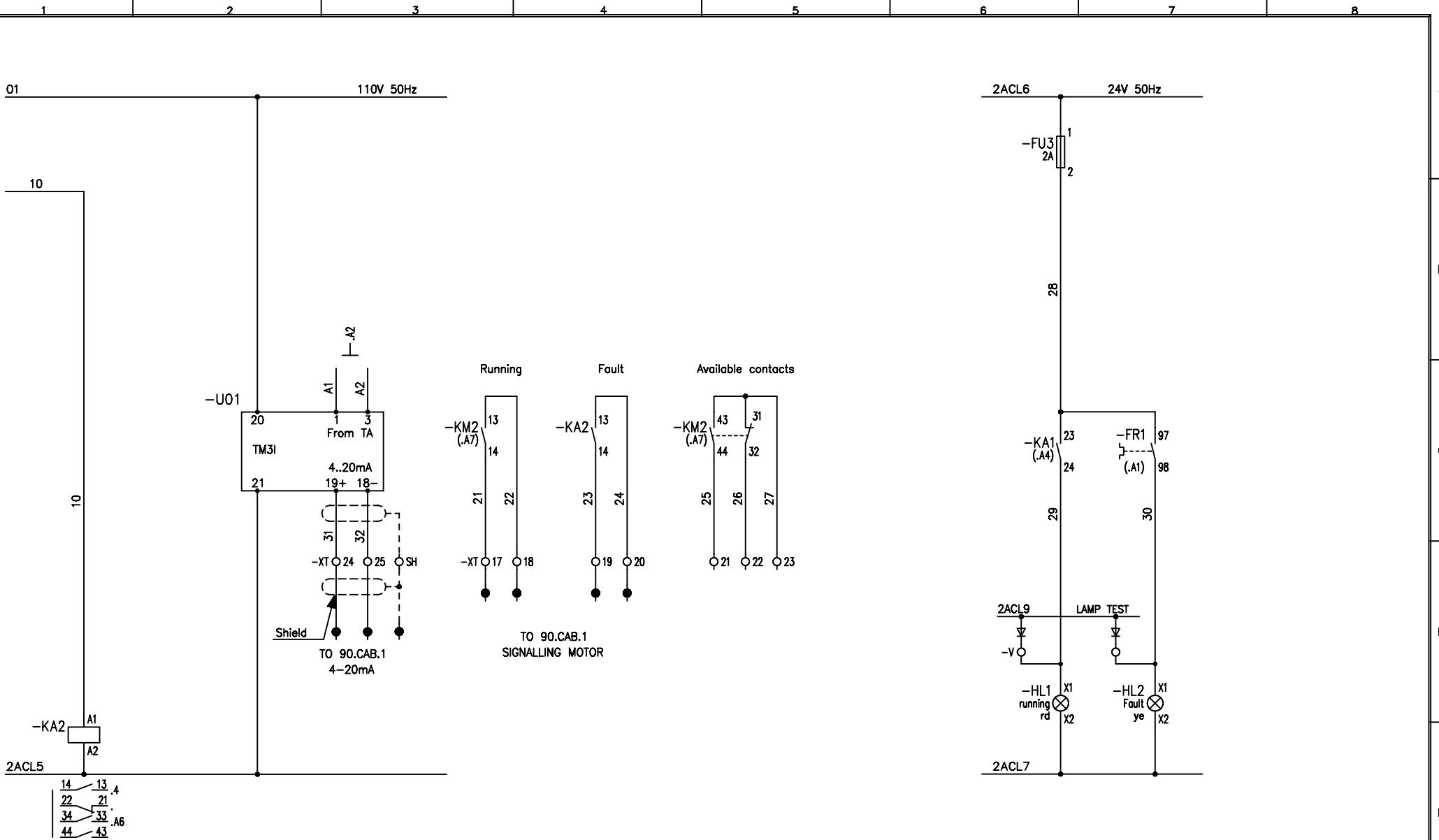
WIRING DIAGRAM
M 33D1
WIPIED FILM EVAPORATOR
MIXER
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35

dwg. 1E35-75-001

= 90.LVB.1
+ 1BA
(A)
sheet 112
113 n.sh



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1	AFTER TEST	A. EMONTE	03/05/2010					
0	FIRST ISSUE	A. EMONTE	16/02/2010					
rev.	Issue Description	Author	Date					

SULPHUREX

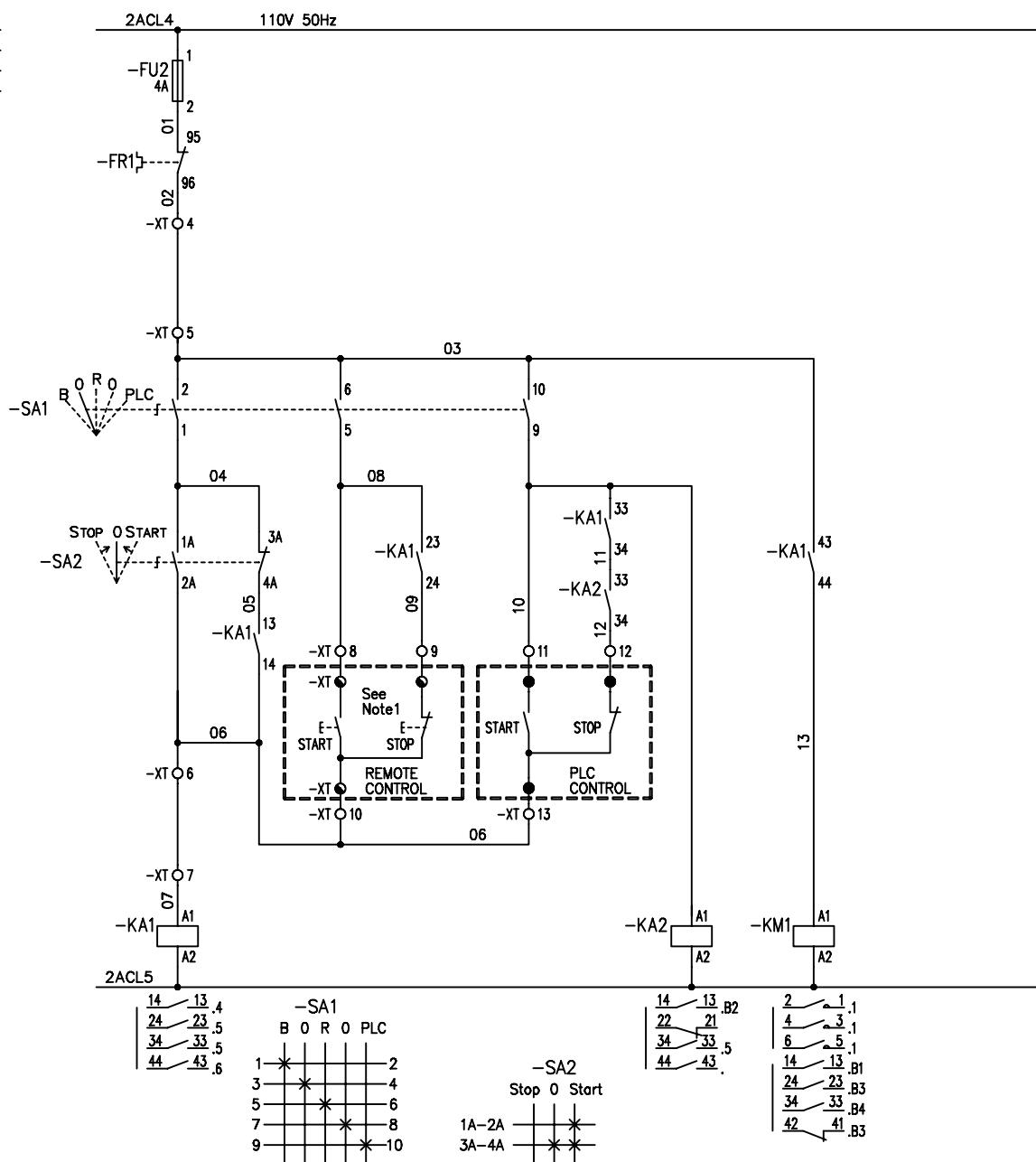
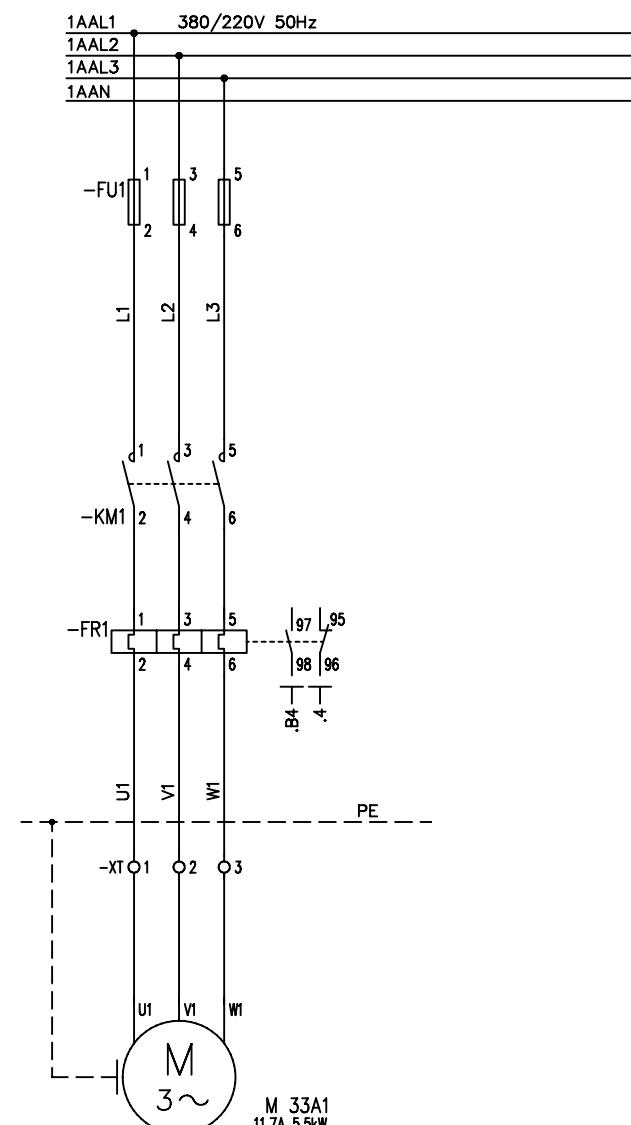


WIRING DIAGRAM
M 33D1
WIPIED FILM EVAPORATOR
MIXER
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

= 90.LVB.1
+ 1BA
(B)
sheet 113
114 n.sh



Note 1 :
Start-Stop Remote Control Station
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rev.	Issue Description	Author	Date	
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0	FIRST ISSUE	A. EMONTE	16/02/2010	

SULPHUREX



**WIRING DIAGRAM
M 33A1
INT. PASTE STORAGE TAN**

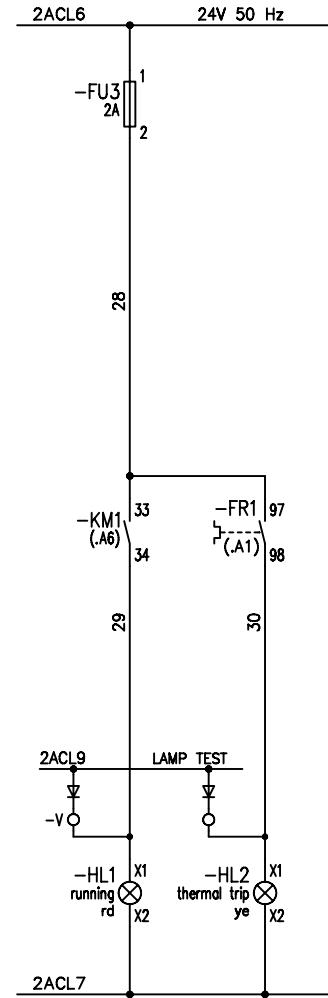
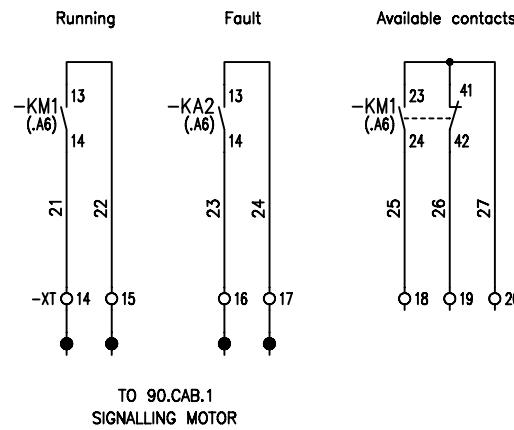
Dis. 10.CC1K2544.E01

Job: 1E35

Moditech s.r.l.

= 90.LVB.1
+ 1BB
(A)

01	sheet 114
	115 n.sh



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UNI A3				
1	AFTER TEST	A. EMONTE	03/05/2010	
0	FIRST ISSUE	A. EMONTE	16/02/2010	
rev.	Issue Description	Author	Date	
It. DIN 6771 / Teil 5	1		2	

SULPHUREX

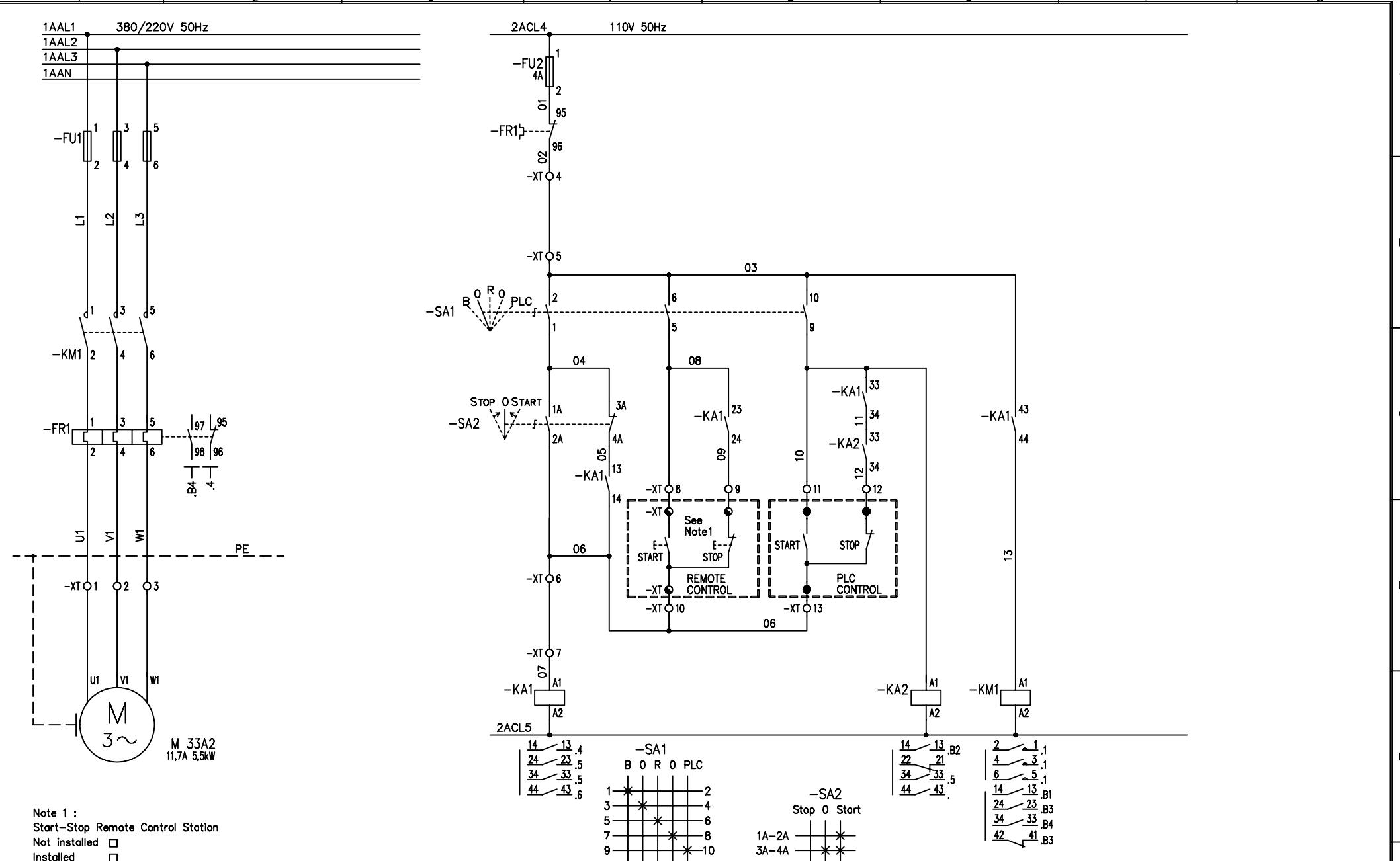


WIRING DIAGRAM
M 33A1
INT. PASTE STORAGE TANK

Dis. 10.CC1K2544.E01

Job: 1E35 dwg. 1E35-75-001

90.LVB.1
1BB
(B) sheet 115
116 n.sh



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Moditech s.r.l.

= 90.LVB.1
+ 1BC
(A)
sheet 116
dwg. 1E35-75-001
n.sh

10.CC1K2544.E01
Job: 1E35
dwg. 1E35-75-001
sheet 116
n.sh

It.	DIN 6771/Teil 5	1	2	3	4	5	6	7	8
1	AFTER TEST	A. EMONTE	03/05/2010						
0	FIRST ISSUE	A. EMONTE	16/02/2010						
rev.	Issue Description	Author	Date						

SULPHUREX

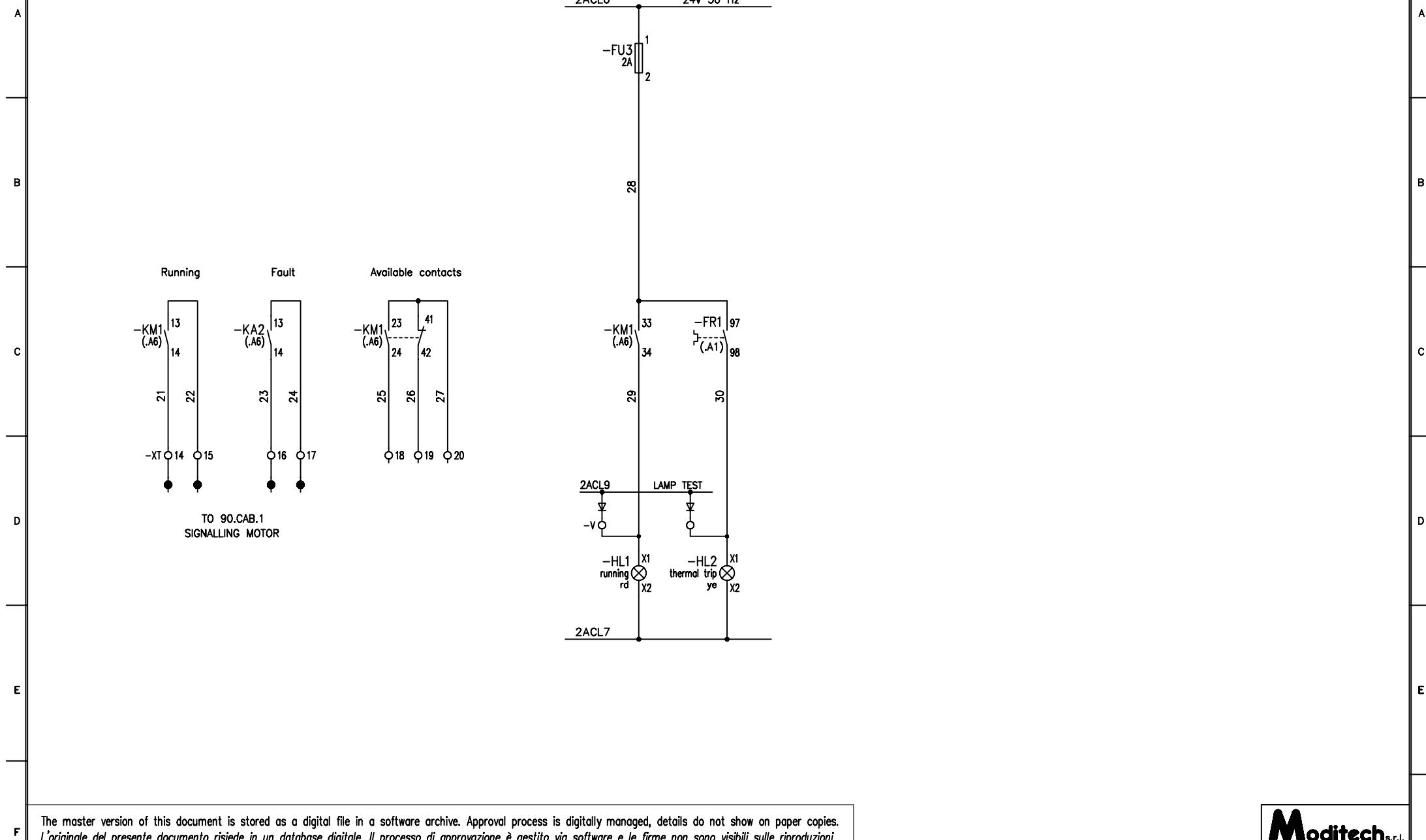


WIRING DIAGRAM
M 33A2
INT. PASTE STORAGE TANK
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35

= 90.LVB.1
+ 1BC
(A)
sheet 116
dwg. 1E35-75-001
n.sh



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It.	DIN 6771/Teil	5	1	2	3	4	5	6	7	8
UNI A3										
1	AFTER TEST		A. EMONTE	03/05/2010						
0	FIRST ISSUE		A. EMONTE	16/02/2010						
rev.	Issue	Description	Author	Date						



WIRING DIAGRAM
M 33A2
INT. PASTE STORAGE TANK
drawing's title:

Dis. 10.CC1K2544.E01

Job: 1E35 1E35-75-001

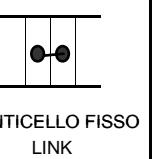
= 90.LVB.1
+ 1BC
(B)
sheet 117
dwg. 1E35-75-001
120 n.sh

TIPO MORSETTO Terminal type		Cu 2X80X10	Cu 40x8	2,5 mm2	35 mm2	2,5 mm2																							
1A.A-2A.B.-XT	TERMINALE Terminal	ORIGINE Origin mark	IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group																									
	MORSETTO N° Terminal n°	R	R																										
	MORSETTIERA Terminal strip	O O O O O O	T N	NO																									
	TERMINALE Terminal	INCOMING FEEDING	R																										
	DESTINAZIONE Designation mark	INCOMING FEEDING	S	S																									
	APPARECCHIATURA Designation group	INCOMING FEEDING	T	T																									
	CAVO N° Cable n°	TIPO Type	N	NO																									
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1	Moditech s.r.l. Busnago - Milano	desmet ballestra	PLANT : SULPHUREX		TITLE DRAWING : TERMINAL STRIP 1A.A-2A.B.-C - XT		10.CC1K2544.E01		= 90.LVB.1 + 1A.A-2A.B.-C																				
0			JOB : 1E35		DRAWING : 1E35-75-001		Sh. 120 Follow : Sh. 121		Su altro foglio / On other sheet																				
REV.			STARTING :						Total / Total																				

SEPARATORE - Separating plate



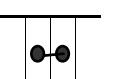
REMARKS :



In questo foglio / On this sheet

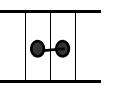
Su altro foglio / On other sheet

TIPO MORSETTO Terminal type		CU 30x8	CU40x8			SEPARATORE - Separating plate						
2AD - XT	TERMINALE Terminal	ORIGINE Origin mark	IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group					REMARKS :			
	MORSETTO N° Terminal n°				1	2	3	4				
	MORSETTIERA Terminal strip	0	0	0	0	0	0	0	0	0		
	TERMINALE Terminal	DESTINAZIONE Designation mark	APPARECCHIATURA Designation group	KU 11.1	KU 11.1	KU 11.1	KU 11.1					
	CAVO N° Cable n°			KU 11.1	KU 11.1	KU 11.1	KU 11.1					
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										Su altro foglio / On other sheet		
										Total / Total		
1	Moditech s.r.l.			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 2AD - XT		10.CC1K2544.E01	= 90.LVB.1				
0	Busnago - Milano				JOB : 1E35	STARTING : KU 11.1	1E35-75-001	+ 2AD				
REV.					DRAWING : Sh. 121	Follow : Sh. 122						



PONTICELLO FISSO
LINK

TIPO MORSETTO Terminal type		6 mm2	6 mm2	6 CU40x8	6 CU40x8			SEPARATORE - Separating plate	
2AE - XT	TERMINALE Terminal	ORIGINE Origin mark	IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group					REMARKS :
	MORSETTO N° Terminal n°	1	2AE L1						
	MORSETTIERA Terminal strip	0	2	2AE L2					
	TERMINALE Terminal	0	3	2AE NB					
	DESTINAZIONE Designation mark	KU 12.1	4	2AE LA					
	APPARECCHIATURA Designation group	KU 12.1							
	CAVO N° Cable n°	TIPO Type							
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1	Moditech s.r.l. Busnago - Milano		desmet ballestra	PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 2AE - XT	10.CC1K2544.E01	= 90.LVB.1 + 2AE		
0				JOB : 1E35	STARTING : KU 12.1	1E35-75-001	DRAWING : Sh. 122 Follow : Sh. 123		
REV.									



PONTICELLO FISSO
LINK

In questo foglio / On this sheet	Su altro foglio / On other sheet	Total / Total
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			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 3AA - XT	10.CC1K2544.E01	= 90.LVB.1
1						+ 3AA
0						
REV.						
			JOB : 1E35	STARTING : M 12K1	DRAWING : 1E35-75-001	Sh. 126
						Follow :
						Sh. 127
			desmet ballestra			

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			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 3AB - XT	10.CC1K2544.E01	= 90.LVB.1
1						+ 3AB
0						
REV.						
			JOB : 1E35	STARTING : M 11P1	DRAWING : 1E35-75-001	Sh. 127
						Follow :
						Sh. 128
			desmet ballestra			

TIPO MORSETTO Terminal type		10 mm ²		2,5 mm ²		CU40x8			
3AC - XT	TERMINALE Terminal	ORIGINE Origin mark		IDENTIF. COND. Wire designation		APPARECCHIAT. Designation group			
		MORSETTO N° Terminal n°		1		3AC U1			
		0	0	2	3AC V1	3AC W1			
M 11P2	M 11P2			3					
M 11P2	M 11P2			4	3AC 02				
M 11P2	M 11P2			5	3AC 03				
CAVO N° Cable n°	TIPO Type	FROM P.B. HC-11.P2		6	3AC 06				
CAVO N° Cable n°	TIPO Type	FROM P.B. HC-11.P2		7	3AC 07				
CAVO N° Cable n°	TIPO Type	FROM P.B. HC-11.P2		8	3AC 08				
CAVO N° Cable n°	TIPO Type	FROM P.B. HC-11.P2		9	3AC 09				
M 11P2 -M/1	4G...	x x x x		10					
		FROM 90 CAB.1		11	3AC 10				
		FROM 90 CAB.1		12	3AC 12				
		FROM 90 CAB.1		13					
		FROM 90 CAB.1		14	3AC 21				
		TO 90 CAB.1		15	3AC 22				
		TO 90 CAB.1		16	3AC 23				
		TO 90 CAB.1		17	3AC 24				
		Available contacts		18	3AC 25				
		Available contacts		19	3AC 26				
		Available contacts		20	3AC 27				

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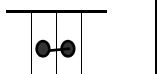
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1	Moditech s.r.l. Busnago - Milano		PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 3AC - XT	10.CC1K2544.E01	= 90.LVB.1
0					DRAWING : 1E35-75-001	+ 3AC Sh. 128 Follow : Sh. 129
REV.			JOB : 1E35	STARTING : M 11P2	Total / Total	

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TIPO MORSETTO Terminal type		35 mm ²	CU40x8	2,5 mm ²		
4AA - XT	TERMINALE Terminal	ORIGINE Origin mark	IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group		
MORSETTO N° Terminal n°	1	4AA U1				
MORSETTIERA Terminal strip	2	4AA V1				
TERMINALE Terminal	3	4AA W1				
	4	4AA U2				
	5	4AA V2				
	6	4AA W2				
	7	4AA 02				
	8	4AA 03				
	9	4AA 06				
	10	4AA 07				
	11	4AA 08				
	12	4AA 09				
	13					
	14	4AA 10				
	15	4AA 12				
FROM P.B. ..	16					
FROM P.B. ..	17	4AA 21				
FROM P.B. ..	18	4AA 22				
FROM 90.CAB.1	19	4AA 23				
FROM 90.CAB.1	20	4AA 24				
TO 90.CAB.1	21	4AA 25				
TO 90.CAB.1	22	4AA 26				
Available contacts	23	4AA 27				
Available contacts						
Available contacts						
						In questo foglio / On this sheet
						Su altro foglio / On other sheet
						Totale / Total

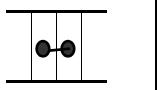
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1	Moditech s.r.l. Busnago - Milano	desmet ballestra	PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP	10.CC1K2544.E01	= 90.LVB.1
0			JOB : 1E35	STARTING : M 11K2	DRAWING : 1E35-75-001	+ 4AA Sh. 130 Follow : Sh. 131
REV.						

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TIPO MORSETTO Terminal type		35 mm ²	CU40x8	2,5 mm ²			
4AB - XT	TERMINALE Terminal	ORIGINE Origin mark	IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group			
MORSETTO N° Terminal n°	1	4AB U1					
MORSETTIERA Terminal strip	2	4AB V1					
TERMINALE Terminal	3	4AB W1					
	4	4AB U2					
	5	4AB V2					
	6	4AB W2					
	7	4AB 02					
	8	4AB 03					
	9	4AB 06					
	10	4AB 07					
FROM P.B. ..	11	4AB 08					
FROM P.B. ..	12	4AB 09					
FROM P.B. ..	13						
FROM 90.CAB.1	14	4AB 10					
FROM 90.CAB.1	15	4AB 12					
FROM 90.CAB.1	16						
TO 90.CAB.1	17	4AB 21					
TO 90.CAB.1	18	4AB 22					
TO 90.CAB.1	19	4AB 23					
TO 90.CAB.1	20	4AB 24					
Available contacts	21	4AB 25					
Available contacts	22	4AB 26					
Available contacts	23	4AB 27					

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			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 5AA - XT	10.CC1K2544.E01	= 90.LVB.1
1						+ 5AA
0						
REV.						
			JOB : 1E35	STARTING : M 16P2	DRAWING : 1E35-75-001	Sh. 132
						Follow :
						Sh. 133
			desmet ballestra			

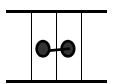
TIPO MORSETTO Terminal type		TERMINALE Terminal		ORIGINE Origin mark	IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group	
MORSETTO N° Terminal n°		1	5AB U1				
MORSETTIERA Terminal strip		2	5AB V1				
TERMINALE Terminal		3	5AB W1				
		SH	SH				
M 16P3		4		5AB U1A			
M 16P3		5		5AB V1A			
M 16P3		6		5AB W1A			
MF		7					
MF		8		5AB 03A			
MF		9		5AB 04			
MF		10		5AB 06			
MF		11		5AB 07			
FROM P.B. HC-16.P3		12		5AB 09			
FROM P.B. HC-16.P3		13		5AB 10			
FROM P.B. HC-16.P3		14		5AB 11			
FROM 90.CAB.1		15		5AB 12A			
FROM 90.CAB.1		16		5AB 12A			
FROM 90.CAB.1		17		5AB 12A			
TO 90.CAB.1		18		5AB 30			
TO 90.CAB.1		19		5AB 31			
TO 90.CAB.1		20		5AB 32			
TO 90.CAB.1		21		5AB 33			
Available contacts		22		5AB 34			
Available contacts		23		5AB 35			
Available contacts		24		5AB 36			
FROM 90.CAB.1		25		5AB 13			
FROM 90.CAB.1		26		5AB 14			
FROM 90.CAB.1		27		5AB SH			
TO 90.CAB.1		28		5AB 15			
TO 90.CAB.1		29		5AB 16			
TO 90.CAB.1		30		5AB SH			
PTC		31		5AB 22			
PTC		32		5AB 23			
PTC		33			5AB SH		

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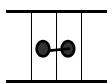
1	Moditech s.r.l. Busnago - Milano		PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 5AB - XT	10.CC1K2544.E01	= 90.LVB.1
0			JOB : 1E35	STARTING : M 16P3	DRAWING : 1E35-75-001	+ 5AB Sh. 133 Follow : Sh. 134

TIPO MORSETTO Terminal type		6 mm ²		2,5 mm ²		CU40x8			
SAC - XT	TERMINALE Terminal	ORIGINE Origin mark		IDENTIF. COND. Wire designation		APPARECCHIAT. Designation group			
		MORSETTO N° Terminal n°		1 5AC U1		2 5AC V1		3 5AC W1	
		MORSETTIERA Terminal strip							
		TERMINALE Terminal		4 5AC 02		5 5AC 03		6 5AC 06	
CAVO N° Cable n°	TIPO Type			7 5AC 07		8 5AC 08		9 5AC 09	
M 14K1 -M/1	4G...	x x x x		10 5AC 10		11 5AC 12		12 5AC 13	
				13 5AC 14		14 5AC 21		15 5AC 22	
				16 5AC 23		17 5AC 24		18 5AC 25	
				19 5AC 26		20 5AC 27			
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1	Moditech s.r.l. Busnago - Milano	desmet ballestra	PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 5AC - XT	10.CC1K2544.E01	= 90.LVB.1 + 5AC
0			JOB : 1E35	STARTING : M 14K1	DRAWING : 1E35-75-001	Sh. 134 Follow : Sh. 135

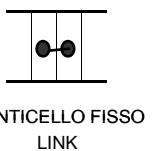
TIPO MORSETTO Terminal type		CU Flex 5x40x1		CU40x8	6 mm2	CU40x8	2,5 mm2		
TERMINALE Terminal	DESTINAZIONE Designation mark	ORIGINE Origin mark		IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group				
	APPARECCHIATURA Designation group								
	MORSETTO N° Terminal n°			1	6AA U1				
CAVO N° Cable n°	TIPO Type			2	6AA V1				
6AA - XT									
MORSETTO N° Terminal n°	M 11K1			3	6AA W1				
MORSETTIERA Terminal strip	O O O O O O			SH	SH				
TERMINALE Terminal	M 11K1 MF MF MF			4	6AA U1A				
				5	6AA V1A				
				6	6AA W1A				
				7	SH				
				8	6AA 03B				
				9	6AA 04				
				10	6AA 06				
				11	6AA 07				
				12	6AA 09				
				13	6AA 10				
				14	6AA 11				
				15	6AA 12A				
				16	6AA 12A				
				17	6AA 12A				
				18	6AA 30				
				19	6AA 31				
				20	6AA 32				
				21	6AA 33				
				22	6AA 34				
				23	6AA 35				
				24	6AA 36				
				25	6AA 36				
				26	6AA 13				
				27	6AA 14				
				SH	SH				
				28	6AA 15				
				29	6AA 16				
				SH	6AA SH				
				30	6AA 22				
				31	6AA 23				
				PTC	SH				
				32	6AA 41				
				33	6AA 42				
				34	6AA 43				
				35	6AA 26				
				36	2AC L5				
				37	6AA 03A				
				38	6AA 03B				

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1	Moditech s.r.l. Busnago - Milano	desmet ballestra	PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 6AA - XT	10.CC1K2544.E01	= 90.LVB.1 + 6AA
0			JOB : 1E35	STARTING : M 11K1	DRAWING : 1E35-75-001	Sh. 135 Follow : Sh. 136
REV.						

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			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 5BA - XT	10.CC1K2544.E01	= 90.LVB.1 + 5BA
1						DRAWING : Sh. 136
0						Follow :
REV.						Sh. 137
			JOB : 1E35	STARTING : M 16P4	1E35-75-001	
			desmet ballestra			

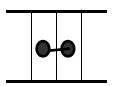
TIPO MORSETTO Terminal type		10 mm ²		2,5 mm ²		CU40x8			
5BB - XT	TERMINALE Terminal	ORIGINE Origin mark		IDENTIF. COND. Wire designation		APPARECCHIAT. Designation group			
		MORSETTO N° Terminal n°		1 5BB U1		2 5BB V1		3 5BB W1	
		MORSETTIERA Terminal strip		4	5BB 02	5	5BB 03	6	5BB 06
		TERMINALE Terminal		7	5BB 07	8	5BB 08	9	5BB 09
CAVO N° Cable n°	TIPO Type	M 16A1	M 16A1	10	5BB 10	11	5BB 10	12	5BB 12
M 16A1 -M/1	4G...	x x x x		13		14	5BB 21	15	5BB 22
			FROM P.B. ...	TO 90 CAB.1		TO 90 CAB.1	TO 90 CAB.1	16	5BB 23
			FROM P.B. ...	FROM 90 CAB.1		FROM 90 CAB.1	FROM 90 CAB.1	17	5BB 24
			FROM P.B. ...	FROM 90 CAB.1		FROM 90 CAB.1	FROM 90 CAB.1	18	5BB 25
			FROM P.B. ...	FROM 90 CAB.1		FROM 90 CAB.1	FROM 90 CAB.1	19	5BB 26
			FROM P.B. ...	FROM 90 CAB.1		FROM 90 CAB.1	FROM 90 CAB.1	20	5BB 27
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1	Moditech s.r.l.	SULPHUREX	10.CC1K2544.E01	= 90.LVB.1
0	Busnago - Milano	desmet ballestra	DRAWING : 1E35-75-001	+ 5BB Sh. 137 Follow : Sh. 138
REV.	JOB : 1E35	STARTING : M 16A1		

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			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 5BC - XT	10.CC1K2544.E01	= 90.LVB.1 + 5BC
1					DRAWING :	Sh. 138
0						Follow :
REV.	M oditech s.r.l. Busnago - Milano	 desmet ballestra	JOB : 1E35	STARTING : M 16MX2	1E35-75-001	Sh. 139

TIPO MORSETTO Terminal type		Identificazione MORSETTERIA / Designation Group strip				SEPARATORE - Separating plate	
4BA - XT		TERMINALE Terminal		ORIGINE Origin mark			
				[IDENTIF.-COND. Wire designation]		APPARECCHIATURA Designation group	
CAVO N° Cable n°	TIPO Type	DESTINAZIONE Designation mark	APPARECCHIATURA Designation group	MORSETTO N° Terminal n°		6 mm2	
		M 25P1		O	1	4BA U1	
		M 25P1		O	2	4BA V1	
		M 25P1		O	3	4BA W1	
		M 25P1		SH		SH	
		M 25P1					CU40x8
		M 25P2		O	4	4BA U2	
		M 25P2		O	5	4BA V2	
		M 25P2		O	6	4BA W2	
		M 25P2		SH		SH	
		M 25P2					CU40x8
		MF 25P1		O	7	4BA U1A	
		MF 25P1		O	8	4BA V1A	
		MF 25P1		O	9	4BA W1A	
		MF 25P1					CU40x8
		MF 25P2		O	10	4BA U2A	
		MF 25P2		O	11	4BA V2A	
		MF 25P2		O	12	4BA W2A	
		MF 25P2					CU40x8
				O	13	4BA 14	
				O	14	4BA 15	
		FROM 90.CAB.1		O	15	4BA 15	
		FROM 90.CAB.1		O	16	4BA 16	
		FROM KU12.1		O	17	4BA 19	
		FROM P.B. HC 25.P1		O	18	4BA 20	
		FROM P.B. HC 25.P1		O	19	4BA 21	
		FROM P.B. HC 25.P1		O	20	4BA 22	
		FROM 90.CAB.1		O	21		
		FROM 90.CAB.1		O	22	4BA 23	
		FROM 90.CAB.1		O	23	4BA 25	
		FROM 90.CAB.1		O	24		
				O	25	4BA 30	
				O	26	4BA 31	
		FROM 90.CAB.1		O	27	4BA 31	
		FROM 90.CAB.1		O	28	4BA 32	
		FROM KU12.1		O	29	4BA 35	
		FROM KU12.1		O	30	4BA 36	
		FROM P.B. HC 25.P2		O	31	4BA 37	
		FROM P.B. HC 25.P2		O	32	4BA 38	
		FROM P.B. HC 25.P2		O	33		
		FROM 90.CAB.1		O	34	4BA 39	
		FROM 90.CAB.1		O	35	4BA 41	
		FROM 90.CAB.1		O	36		
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				O	243		
				O	244		
				O	245		
				O	246		
				O	247		
				O	248		
				O	249		
				O	250		
				O	251		
				O	252		
				O	253		
				O	254		
				O	255		
				O	256		
				O	257		
				O	258		
				O	259		
				O	260		
				O	261		
				O	262		
				O	263		
				O	264		
				O	265		
				O	266		
				O			

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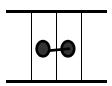
			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 4BA - XT	10.CC1K2544.E01	= 90.LVB.1 + 4BA
1						DRAWING : Sh. 139
0						Follow :
REV.	Moditech s.r.l. Busnago - Milano	 desmet ballestra	JOB : 1E35	STARTING : M 25P1 M 25P2	1E35-75-001	Sh. 140

TIPO MORSETTO Terminal type		TERMINALE Terminal		ORIGINE Origin mark	IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group		
4BA - XT								
MORSETTO N° Terminal n°		37	4BA 71					
MORSETTIERA Terminal strip		38	4BA 72					
TERMINALE Terminal		39	4BA 73					
CAVO N° Cable n°	TIPO Type	40	4BA 74					
DESTINAZIONE Designation mark	APPARECCHIATURA Designation group	41	4BA 76					
TO 90.CAB.1		42	4BA 77					
TO 90.CAB.1		43	4BA 78					
TO 90.CAB.1		44	4BA 79					
TO 90.CAB.1		45	4BA 80					
TO 90.CAB.1		46	4BA 81					
TO 90.CAB.1		47	4BA 82					
TO 90.CAB.1		48	4BA 83					
TO 90.CAB.1		49	4BA 84					
TO 90.CAB.1		50	4BA 85					
TO KU12.1		51	4BA 87					
TO KU12.1		52	4BA 88					
TO KU12.1		53	4BA 89					
TO 90.CAB.1		54	4BA 90					
FROM 90.CAB.1		55	4BA 91					
FROM 90.CAB.1		56	4BA 92					
FROM 90.CAB.1		57	4BA 04					
FROM 90.CAB.1		58	4BA 05					
FROM 90.CAB.1		59	4BA SH					
TO 90.CAB.1		60	4BA 06					
TO 90.CAB.1		61	4BA SH					
PTC		62	4BA 52					
PTC		63	4BA 53					
PTC		64	4BA 57					
PTC		65	4BA 58					
PTC		66	4BA SH					
		67						
		68						
		69						
		70						
		71						

2,5
mm²

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1	Moditech s.r.l. Busnago - Milano	desmet ballestra	PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 4BA - XT	10.CC1K2544.E01	= 90.LVB.1
0					DRAWING : 1E35-75-001	+ 4BA Sh. 140
REV.						Follow : Sh. 141

TIPO MORSETTO Terminal type		6 mm2		2,5 mm2		CU40x8								
4BB - XT	TERMINALE Terminal	ORIGINE Origin mark		IDENTIF. COND. Wire designation		APPARECCHIAT. Designation group								
		MORSETTO N° Terminal n°		1		4BB U1								
		MORSETTIERA Terminal strip		2		4BB V1								
		TERMINALE Terminal		3		4BB W1								
CAVO N° Cable n°		TIPO Type		4		4BB 02								
M 06P1 -M/1		4G...		5		4BB 03								
M 06P1		M 06P1		6		4BB 06								
M 06P1		M 06P1		7		4BB 07								
M 06P1		M 06P1		8		4BB 08								
M 06P1		M 06P1		9		4BB 09								
FROM P.B. HC-06.P1		FROM P.B. HC-06.P1		10		4BB 10								
FROM P.B. HC-06.P1		FROM P.B. HC-06.P1		11		4BB 11								
FROM 90 CAB.1		FROM 90 CAB.1		12		4BB 12								
FROM 90 CAB.1		FROM 90 CAB.1		13		4BB 13								
FROM 90 CAB.1		FROM 90 CAB.1		14		4BB 14								
TO 90 CAB.1		TO 90 CAB.1		15		4BB 15								
TO 90 CAB.1		TO 90 CAB.1		16		4BB 16								
TO 90 CAB.1		TO 90 CAB.1		17		4BB 17								
Available contacts		Available contacts		18		4BB 18								
Available contacts		Available contacts		19		4BB 19								
Available contacts		Available contacts		20		4BB 20								
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1	Moditech s.r.l.	desmet ballestra	PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 4BB - XT	10.CC1K2544.E01	= 90.LVB.1
0	Busnago - Milano		JOB : 1E35	STARTING : M 06P1	DRAWING : 1E35-75-001	+ 4BB Sh. 141 Follow : Sh. 142

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			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 4BC - XT	10.CC1K2544.E01	= 90.LVB.1
1						+ 4BC
0						
REV.						
			JOB : 1E35	STARTING : M 06P2	DRAWING : 1E35-75-001	Sh. 142
						Follow :
						Sh. 143
			desmet ballestra			

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			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 4BD - XT	10.CC1K2544.E01	= 90.LVB.1
1						+ 4BD
0						
REV.						
			JOB : 1E35	STARTING : M 06P3	DRAWING : 1E35-75-001	Sh. 143
						Follow :
						Sh. 144
			desmet ballestra			

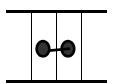
TIPO MORSETTO Terminal type		TERMINALE Terminal		ORIGINE Origin mark	IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group	
MORSETTO N° Terminal n°		1	3BA U1				
MORSETTIERA Terminal strip	O O O O O O O O O O	2	3BA V1				
TERMINALE Terminal		3	3BA W1				
		SH	SH				
M 33P1		4	3BA U1A				
MF		5	3BA V1A				
MF		6	3BA W1A				
MF		7	3BA U1A				
		8	3BA 03A				
		9	3BA 04				
		10	3BA 06				
		11	3BA 07				
		12	3BA 09				
FROM P.B. HC-33.P1		13	3BA 10				
FROM P.B. HC-33.P1		14	3BA 11				
FROM P.B. HC-33.P1		15	3BA 12A				
FROM 90.CAB.1		16	3BA 12A				
FROM 90.CAB.1		17	3BA 12A				
FROM 90.CAB.1		18	3BA 30				
TO 90.CAB.1		19	3BA 31				
TO 90.CAB.1		20	3BA 32				
TO 90.CAB.1		21	3BA 33				
TO 90.CAB.1		22	3BA 34				
Available contacts		23	3BA 35				
Available contacts		24	3BA 36				
Available contacts		25	3BA 36				
FROM 90.CAB.1		26	3BA 13				
FROM 90.CAB.1		27	3BA 14				
FROM 90.CAB.1		SH	3BA SH				
TO 90.CAB.1		28	3BA 15				
TO 90.CAB.1		29	3BA 16				
TO 90.CAB.1		SH	3BA SH				
PTC		30	3BA 22				
PTC		31	3BA 23				
PTC		32	3BA SH				

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0					DRAWING : 1E35-75-001	+ 3BA Sh. 144 Follow : Sh. 145

TIPO MORSETTO Terminal type				6 mm ²	2,5 mm ²	CU40x8					
3BB - XT	TERMINALE Terminal	ORIGINE Origin mark		IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group						
		MORSETTO N° Terminal n°		1	3BB U1						
		MORSETTIERA Terminal strip		2	3BB V1						
		TERMINALE Terminal		3	3BB W1						
CAVO N° Cable n°	TIPO Type	M 33P2		4	3BB 02						
M 33P2 -M/1	4G...	M 33P2		5	3BB 03						
		M 33P2		6	3BB 06						
		M 33P2		7	3BB 07						
		M 33P2		8	3BB 08						
		M 33P2		9	3BB 09						
		M 33P2		10	3BB 09						
		M 33P2		11	3BB 10						
		M 33P2		12	3BB 12						
		M 33P2		13	3BB 13						
		M 33P2		14	3BB 21						
		M 33P2		15	3BB 22						
		M 33P2		16	3BB 23						
		M 33P2		17	3BB 24						
		M 33P2		18	3BB 25						
		M 33P2		19	3BB 26						
		M 33P2		20	3BB 27						
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1	Moditech s.r.l.	desmet ballestra	PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 3BB - XT	10.CC1K2544.E01	= 90.LVB.1
0	Busnago - Milano		JOB : 1E35	STARTING : M 33P2	DRAWING : 1E35-75-001	+ 3BB Sh. 145 Follow : Sh. 146

TIPO MORSETTO Terminal type		10 mm ²		2,5 mm ²		CU40x8			
3BC - XT	TERMINALE Terminal	ORIGINE Origin mark		IDENTIF. COND. Wire designation		APPARECCHIAT. Designation group			
		MORSETTO N° Terminal n°	1	3BC U1	2	3BC V1	3	3BC W1	4
		MORSETTIERA Terminal strip	0	0	0	0	0	0	0
		TERMINALE Terminal	M 33P3	M 33P3	M 33P3	M 33P3	■	■	■
CAVO N° Cable n°	TIPO Type	DESTINAZIONE Designation mark	APPARECCHIATURA Designation group	ORIGINE Origin mark	IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group			
M 33P3 -M/1	4G...	x x x x		M 33P3	3BC U1	3BC V1	3BC W1	3BC 02	3BC 03
		FROM P.B. ...		0	3BC 06	3BC 07	3BC 08	3BC 09	3BC 10
		FROM P.B. ...		0	3BC 11	3BC 12	3BC 13	3BC 14	3BC 21
		FROM P.B. ...		0	3BC 15	3BC 16	3BC 17	3BC 18	3BC 22
		FROM P.B. ...		0	3BC 19	3BC 20	3BC 21	3BC 22	3BC 23
		FROM P.B. ...		0	3BC 24	3BC 25	3BC 26	3BC 27	3BC 28
		FROM P.B. ...		0	3BC 29	3BC 30	3BC 31	3BC 32	3BC 33
		FROM P.B. ...		0	3BC 34	3BC 35	3BC 36	3BC 37	3BC 38
		FROM P.B. ...		0	3BC 39	3BC 40	3BC 41	3BC 42	3BC 43
		FROM P.B. ...		0	3BC 44	3BC 45	3BC 46	3BC 47	3BC 48
		FROM P.B. ...		0	3BC 49	3BC 50	3BC 51	3BC 52	3BC 53
		FROM P.B. ...		0	3BC 54	3BC 55	3BC 56	3BC 57	3BC 58
		FROM P.B. ...		0	3BC 59	3BC 60	3BC 61	3BC 62	3BC 63
		FROM P.B. ...		0	3BC 64	3BC 65	3BC 66	3BC 67	3BC 68
		FROM P.B. ...		0	3BC 69	3BC 70	3BC 71	3BC 72	3BC 73
		FROM P.B. ...		0	3BC 74	3BC 75	3BC 76	3BC 77	3BC 78
		FROM P.B. ...		0	3BC 79	3BC 80	3BC 81	3BC 82	3BC 83
		FROM P.B. ...		0	3BC 84	3BC 85	3BC 86	3BC 87	3BC 88
		FROM P.B. ...		0	3BC 89	3BC 90	3BC 91	3BC 92	3BC 93
		FROM P.B. ...		0	3BC 94	3BC 95	3BC 96	3BC 97	3BC 98
		FROM P.B. ...		0	3BC 99	3BC 100	3BC 101	3BC 102	3BC 103
		FROM P.B. ...		0	3BC 104	3BC 105	3BC 106	3BC 107	3BC 108
		FROM P.B. ...		0	3BC 109	3BC 110	3BC 111	3BC 112	3BC 113
		FROM P.B. ...		0	3BC 114	3BC 115	3BC 116	3BC 117	3BC 118
		FROM P.B. ...		0	3BC 119	3BC 120	3BC 121	3BC 122	3BC 123
		FROM P.B. ...		0	3BC 124	3BC 125	3BC 126	3BC 127	3BC 128
		FROM P.B. ...		0	3BC 129	3BC 130	3BC 131	3BC 132	3BC 133
		FROM P.B. ...		0	3BC 134	3BC 135	3BC 136	3BC 137	3BC 138
		FROM P.B. ...		0	3BC 139	3BC 140	3BC 141	3BC 142	3BC 143
		FROM P.B. ...		0	3BC 144	3BC 145	3BC 146	3BC 147	3BC 148
		FROM P.B. ...		0	3BC 149	3BC 150	3BC 151	3BC 152	3BC 153
		FROM P.B. ...		0	3BC 154	3BC 155	3BC 156	3BC 157	3BC 158
		FROM P.B. ...		0	3BC 159	3BC 160	3BC 161	3BC 162	3BC 163
		FROM P.B. ...		0	3BC 164	3BC 165	3BC 166	3BC 167	3BC 168
		FROM P.B. ...		0	3BC 169	3BC 170	3BC 171	3BC 172	3BC 173
		FROM P.B. ...		0	3BC 174	3BC 175	3BC 176	3BC 177	3BC 178
		FROM P.B. ...		0	3BC 179	3BC 180	3BC 181	3BC 182	3BC 183
		FROM P.B. ...		0	3BC 184	3BC 185	3BC 186	3BC 187	3BC 188
		FROM P.B. ...		0	3BC 189	3BC 190	3BC 191	3BC 192	3BC 193
		FROM P.B. ...		0	3BC 194	3BC 195	3BC 196	3BC 197	3BC 198
		FROM P.B. ...		0	3BC 199	3BC 200	3BC 201	3BC 202	3BC 203
		FROM P.B. ...		0	3BC 204	3BC 205	3BC 206	3BC 207	3BC 208
		FROM P.B. ...		0	3BC 209	3BC 210	3BC 211	3BC 212	3BC 213
		FROM P.B. ...		0	3BC 214	3BC 215	3BC 216	3BC 217	3BC 218
		FROM P.B. ...		0	3BC 219	3BC 220	3BC 221	3BC 222	3BC 223
		FROM P.B. ...		0	3BC 224	3BC 225	3BC 226	3BC 227	3BC 228
		FROM P.B. ...		0	3BC 229	3BC 230	3BC 231	3BC 232	3BC 233
		FROM P.B. ...		0	3BC 234	3BC 235	3BC 236	3BC 237	3BC 238
		FROM P.B. ...		0	3BC 239	3BC 240	3BC 241	3BC 242	3BC 243
		FROM P.B. ...		0	3BC 244	3BC 245	3BC 246	3BC 247	3BC 248
		FROM P.B. ...		0	3BC 249	3BC 250	3BC 251	3BC 252	3BC 253
		FROM P.B. ...		0	3BC 254	3BC 255	3BC 256	3BC 257	3BC 258
		FROM P.B. ...		0	3BC 259	3BC 260	3BC 261	3BC 262	3BC 263
		FROM P.B. ...		0	3BC 264	3BC 265	3BC 266	3BC 267	3BC 268
		FROM P.B. ...		0	3BC 269	3BC 270	3BC 271	3BC 272	3BC 273
		FROM P.B. ...		0	3BC 274	3BC 275	3BC 276	3BC 277	3BC 278
		FROM P.B. ...		0	3BC 279	3BC 280	3BC 281	3BC 282	3BC 283
		FROM P.B. ...		0	3BC 284	3BC 285	3BC 286	3BC 287	3BC 288
		FROM P.B. ...		0	3BC 289	3BC 290	3BC 291	3BC 292	3BC 293
		FROM P.B. ...		0	3BC 294	3BC 295	3BC 296	3BC 297	3BC 298
		FROM P.B. ...		0	3BC 299	3BC 300	3BC 301	3BC 302	3BC 303
		FROM P.B. ...		0	3BC 304	3BC 305	3BC 306	3BC 307	3BC 308
		FROM P.B. ...		0	3BC 309	3BC 310	3BC 311	3BC 312	3BC 313
		FROM P.B. ...		0	3BC 314	3BC 315	3BC 316	3BC 317	3BC 318
		FROM P.B. ...		0	3BC 319	3BC 320	3BC 321	3BC 322	3BC 323
		FROM P.B. ...		0	3BC 324	3BC 325	3BC 326	3BC 327	3BC 328
		FROM P.B. ...		0	3BC 329	3BC 330	3BC 331	3BC 332	3BC 333
		FROM P.B. ...		0	3BC 334	3BC 335	3BC 336	3BC 337	3BC 338
		FROM P.B. ...		0	3BC 339	3BC 340	3BC 341	3BC 342	3BC 343
		FROM P.B. ...		0	3BC 344	3BC 345	3BC 346	3BC 347	3BC 348
		FROM P.B. ...		0	3BC 349	3BC 350	3BC 351	3BC 352	3BC 353
		FROM P.B. ...		0	3BC 354	3BC 355	3BC 356	3BC 357	3BC 358
		FROM P.B. ...		0	3BC 359	3BC 360	3BC 361	3BC 362	3BC 363
		FROM P.B. ...		0	3BC 364	3BC 365	3BC 366	3BC 367	3BC 368
		FROM P.B. ...		0	3BC 369	3BC 370	3BC 371	3BC 372	3BC 373
		FROM P.B. ...		0	3BC 374	3BC 375	3BC 376	3BC 377	3BC 378
		FROM P.B. ...		0	3BC 379	3BC 380	3BC 381	3BC 382	3BC 383
		FROM P.B. ...		0	3BC 384	3BC 385	3BC 386	3BC 387	3BC 388
		FROM P.B. ...		0	3BC 389	3BC 390	3BC 391	3BC 392	3BC 393
		FROM P.B. ...		0	3BC 394	3BC 395	3BC 396	3BC 397	3BC 398
		FROM P.B. ...		0	3BC 399	3BC 400	3BC 401	3BC 402	3BC 403
		FROM P.B. ...		0	3BC 404	3BC 405	3BC 406	3BC 407	3BC 408
		FROM P.B. ...		0	3BC 409	3BC 410	3BC 411	3BC 412	3BC 413
		FROM P.B. ...		0	3BC 414	3BC 415	3BC 416	3BC 417	3BC 418
		FROM P.B. ...		0	3BC 419	3BC 420	3BC 421	3BC 422	3BC 423
		FROM P.B. ...		0	3BC 424	3BC 425	3BC 426	3BC 427	3BC 428
		FROM P.B. ...		0	3BC 429	3BC 430	3BC 431	3BC 432	3BC 433
		FROM P.B. ...		0	3BC 434	3BC 435	3BC 436	3BC 437	3BC 438
		FROM P.B. ...		0	3BC 439	3BC 440	3BC 441	3BC 442	3BC 443
		FROM P.B. ...		0	3BC 444	3BC 445	3BC 446	3BC 447	3BC 448
		FROM P.B. ...		0	3BC 449	3BC 450	3BC 451	3BC 452	3BC 453
		FROM P.B. ...		0	3BC 454	3BC 455	3BC 456	3BC 457	3BC 458
		FROM P.B. ...		0	3BC 459	3BC 460	3BC 461	3BC 462	3BC 463
		FROM P.B. ...		0	3BC 464	3BC 465	3BC 466	3BC 467	3BC 468
		FROM P.B. ...		0	3BC 469	3BC 470	3BC 471	3BC 472	3BC 473
		FROM P.B. ...		0	3BC 474	3BC 475	3BC 476	3BC 477	3BC 478
		FROM P.B. ...		0	3BC 479	3BC 480	3BC 481	3BC 482	3BC 483
		FROM P.B. ...		0	3BC 484	3BC 485	3BC 486	3BC 487	3BC 488
		FROM P.B. ...		0	3BC 489	3BC 490	3BC 491	3BC 492	3BC 493
		FROM P.B. ...		0	3BC 494	3BC 495	3BC 496	3BC 497	3BC 498
		FROM P.B. ...		0	3BC 499	3BC 500	3BC 501	3BC 502	3BC 503
		FROM P.B. ...		0	3BC 504	3BC 505	3BC 506	3BC 507	3BC 508
		FROM P.B. ...		0	3BC 509	3BC 510	3BC 511	3BC 512	3BC 513
		FROM P.B. ...		0	3BC 514	3BC 515	3BC 516	3BC 517	3BC 518
		FROM P.B. ...		0	3BC 519	3BC 520	3BC 521	3BC 522	3BC 523
		FROM P.B. ...		0	3BC 524	3BC 525	3BC 526	3BC 527	3BC 528
		FROM P.B. ...		0	3BC 529	3BC 530	3BC 531	3BC 532	3BC 533
		FROM P.B. ...		0	3BC 534	3BC 535	3BC 536	3BC 537	3BC 538
		FROM P.B. ...		0	3BC 539	3BC 540	3BC 541	3BC 542	3BC 543
		FROM P.B. ...		0	3BC 544	3BC 545	3BC 546	3BC 547	3BC 548
		FROM P.B. ...		0	3BC 549	3BC 550	3BC 551	3BC 552	3BC 553
		FROM P.B. ...		0	3BC 554	3BC 555	3BC 556	3BC 557	3BC 558
		FROM P.B. ...		0	3BC 559	3BC 560	3BC 561	3BC 562	3BC 563
		FROM P.B. ...		0	3BC 564	3BC 565	3BC 566	3BC 567	3BC 568
		FROM P.B. ...		0	3BC 569	3BC 570	3BC 571	3BC 572	3BC 573
		FROM P.B. ...		0	3BC 574	3BC 575	3BC 576	3BC 577	3BC 578
		FROM P.B. ...							

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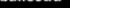
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1	Moditech s.r.l.		PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 3BD - XT	10.CC1K2544.E01 + 3BD
0	Busnago - Milano	desmet ballestra	JOB : 1E35	STARTING : M 33P4	DRAWING : Sh. 147 1E35-75-001 Follow : Sh. 148
REV.					

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			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 2BA - XT	10.CC1K2544.E01	= 90.LVB.1
1						+ 2BA
0						
REV.	Moditech s.r.l. Busnago - Milano		JOB : 1E35	STARTING : M 33P6	DRAWING : 1E35-75-001	Sh. 148
						Follow : Sh. 149

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			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 2BB - XT	10.CC1K2544.E01	= 90.LVB.1 + 2BB
1						DRAWING : Sh. 149
0						Follow :
REV.						Sh. 150
			JOB : 1E35	STARTING : M 33P7	1E35-75-001	
			desmet ballestra			

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			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 2BC - XT	10.CC1K2544.E01	= 90.LVB.1 + 2BC
1						DRAWING : Sh. 150
0						Follow :
REV.						Sh. 151
			JOB : 1E35	STARTING : M 33P8	1E35-75-001	
			desmet ballestra			

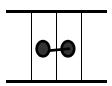
TIPO MORSETTO Terminal type		35 mm ²		2,5 mm ²		CU40x8			
2BD - XT	TERMINALE Terminal	ORIGINE Origin mark		IDENTIF. COND. Wire designation		APPARECCHIAT. Designation group			
		MORSETTO N° Terminal n°		1 2BD U1					
		MORSETTIERA Terminal strip		2 2BD V1		3 2BD W1			
		TERMINALE Terminal		4 2BD 02		5 2BD 03			
CAVO N° Cable n°	TIPO Type	M 33P5		6 2BD 06		7 2BD 07		8 2BD 08	
M 33P5 -M/1	4G...	M 33P5		9 2BD 09		10 2BD 10		11 2BD 12	
		M 33P5		12 2BD 13		13 2BD 14		14 2BD 21	
		FROM P.B. ...		15 2BD 22		16 2BD 23		17 2BD 24	
		FROM P.B. ...		TO 90 CAB.1		TO 90 CAB.1		TO 90 CAB.1	
		FROM P.B. ...		Available contacts		Available contacts		Available contacts	
		FROM P.B. ...		18 2BD 25		19 2BD 26		20 2BD 27	

TIPO MORSETTO Terminal type		35 mm ²	2,5 mm ²	CU40x8		
2BE - XT	TERMINALE Terminal	ORIGINE Origin mark	IDENTIF. COND. Wire designation		APPARECCHIAT. Designation group	
			2BE U1			
			2BE V1			
			2BE W1			
MORSETTO N° Terminal n°	1	2	3	4	5	6
MORSETTIERA Terminal strip	0	0	0	0	0	0
TERMINALE Terminal	M 33MX1	M 33MX1	M 33MX1			
DESTINAZIONE Designation mark	M 33MX1	M 33MX1	M 33MX1			
CAVO N° Cable n°	TIPO Type					
M 33MX -M/1	4G...	x x x x				
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SEPARATORE - Separating plate



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1	Moditech s.r.l. Busnago - Milano	desmet ballestra	PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 2BE - XT	10.CC1K2544.E01	= 90.LVB.1
0			JOB : 1E35	STARTING : M 33MX1	DRAWING : 1E35-75-001	+ 2BE Sh. 152 Follow : Sh. 153

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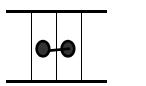
			PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 1BA - XT	10.CC1K2544.E01	= 90.LVB.1
1						+ 1BA
0						
REV.						
			JOB : 1E35	STARTING : M 33D1	DRAWING : 1E35-75-001	Sh. 153
						Follow :
						Sh. 154
			desmet ballestra			

TIPO MORSETTO Terminal type		10 mm ²	2,5 mm ²	CU40x8			
1BB - XT	TERMINALE Terminal	ORIGINE Origin mark		IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group		
		MORSETTO N° Terminal n°	MORSETTIERA Terminal strip	1	1BB U1		
		0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	2	1BB V1		
CAVO N° Cable n°	TIPO Type	M 33A1	M 33A1	3	1BB W1		
M 33A1 -M/1	4G...	x x x x		4			
				5	1BB 03		
				6	1BB 06		
				7	1BB 07		
				8	1BB 08		
				9	1BB 09		
				10			
				11	1BB 10		
				12	1BB 12		
				13			
				14	1BB 21		
				15	1BB 22		
				16	1BB 23		
				17	1BB 24		
				18	1BB 25		
				19	1BB 26		
				20	1BB 27		
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1	Moditech s.r.l. Busnago - Milano		PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 1BB - XT	10.CC1K2544.E01	= 90.LVB.1
0			JOB : 1E35	STARTING : M 33A1	DRAWING : 1E35-75-001	+ 1BB Sh. 154 Follow : Sh. 155
REV.						

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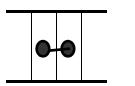
TIPO MORSETTO Terminal type		10 mm ²	2,5 mm ²	CU40x8		
1BC - XT	TERMINALE Terminal	ORIGINE Origin mark		IDENTIF. COND. Wire designation	APPARECCHIAT. Designation group	
		MORSETTO N° Terminal n°	MORSETTIERA Terminal strip			
		TERMINALE Terminal	TERMINALE Terminal			
CAVO N° Cable n°	TIPO Type	M 33A2	M 33A2	1	1BC U1	
M 33A2 -M/1	4G...	x x x x		2	1BC V1	
				3	1BC W1	
				4	1BC 02	
				5	1BC 03	
				6	1BC 06	
				7	1BC 07	
				8	1BC 08	
				9	1BC 09	
				10		
				11	1BC 10	
				12	1BC 12	
				13		
				14	1BC 21	
				15	1BC 22	
				16	1BC 23	
				17	1BC 24	
				18	1BC 25	
				19	1BC 26	
				20	1BC 27	
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1	Moditech s.r.l. Busnago - Milano	desmet ballestra	PLANT : SULPHUREX	TITLE DRAWING : TERMINAL STRIP 1BC - XT	10.CC1K2544.E01	= 90.LVB.1 + 1BC
0			JOB : 1E35	STARTING : M 33A2	DRAWING : 1E35-75-001	Sh. 155 Follow : Sh. 156

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=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	1A.A	a			MAIN FEEDING - 380 / 220V 50Hz		
90.LVB.1	1A.A	FU1/2/3	3	PS10-3N+FCF10 2AgG 545.0105+540.0102	4pole fuses holder 10,3x38+fuse gl 2A	WIMEX	
90.LVB.1	1A.A	FV1	1	DRV3N.400	3pole min voltage relay	LOVATO	
90.LVB.1	1A.A	HL1	1	050 ASL500	flashing lamp	ELFIN	
90.LVB.1	1A.A	PA1-2-3	3	RQT2E 0-2000/4000A 2000/1A	ac ammeter	IME	
90.LVB.1	1A.A	PV1	1	RQT2E 0-500V	ac voltmeter	IME	
90.LVB.1	1A.A	QF1	1	NW20 N1 42kA	4 pole thermomagnetic circuit breaker 2000A	SCHNEIDER	
90.LVB.1	1A.A	SV1	1	AV106	voltmeter switch 7 pos.	IME	
90.LVB.1	1A.A	TA1-2-3	3	TASO10D200 2000/1 A	current transformer	IME	
90.LVB.1	1A.A	XT..	4	UT 35 - 3044225	terminal strip 35 mm2	PHOENIX	
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	1A.A						
90.LVB.1	2A.B	a			GENERAL SERVICE 220V 50Hz		
90.LVB.1	2A.B	CF1..4/7..16	14	ALFA1600BP	cooling fan 19W 230V - 50-60 Hz	ALFAELECTRIC	
90.LVB.1	2A.B	CF5/6	2	ALFATORR1450	top cooling fan 160W 230V - 50-60 Hz	ALFAELECTRIC	
90.LVB.1	2A.B	EH1..6	6	SHT100	anticondensate heater 100W 230Vac	ALFAELECTRIC	
90.LVB.1	2A.B	EL1..7	7	1X18W 230V Rapid system	board lighting	DISANO	
90.LVB.1	2A.B	FT1/2	2	THV02	termostat 0...60°	ALFAELECTRIC	
90.LVB.1	2A.B	FT3/4	2	THR02	termostat 0...60°	ALFAELECTRIC	
90.LVB.1	2A.B	FU1/3/8	3	PS10-1+FCF10 2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gl	WIMEX	
90.LVB.1	2A.B	FU4...5	2	PS10-1+FCF10 4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gl	WIMEX	
90.LVB.1	2A.B	FU6/7	2	PS10-1+FCF10 4AaM 545.0101+540.0604	1pole fuses holder 10,3x38 + fuse Am	WIMEX	
90.LVB.1	2A.B	FU2	1	PS10-1+FCF10 6AgG 545.0101+540.0106	1pole fuses holder 10,3x38 + fuse gl	WIMEX	
90.LVB.1	2A.B	HL1.2.3	3	ZB4.BV4+ZB4BV04	red lamp holder 230/6V	TELEMECANIQUE	
90.LVB.1	2A.B	QF1	1	NG125L 2x20A "C"	2 pole circuit breaker	SCHNEIDER	
90.LVB.1	2A.B	QF2	1	C60L 2x6A "C"	2 pole circuit breaker	SCHNEIDER	
90.LVB.1	2A.B	QF2	1	1NO+1NC 26924	aux. contacts	SCHNEIDER	
90.LVB.1	2A.B	QF3	1	NG125L 2x10A "C"	2 pole circuit breaker	SCHNEIDER	
90.LVB.1	2A.B	QF1/3	2	1NO+1NC 19071	aux. contacts	SIEMENS	
90.LVB.1	2A.B	SQ1..11	11	050 FI 01	door limit switch	ELFIN	
90.LVB.1	2A.B	XS1..4	4	9967	socket 2x10A	VIMAR	
90.LVB.1	2A.B	XT	4	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	2A.B						
90.LVB.1	2A.B						
90.LVB.1	2A.B						
90.LVB.1	2A.B						
90.LVB.1	2A.B						

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	2.A.C	a			AUXILIARY SERVICE 110V - 24V 50Hz		
90.LVB.1	2.A.C	FU1/2	2	PS10-1+FCF10 2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gl	WIMEX	
90.LVB.1	2.A.C	FU3/4	2	PS10-1+FCF10 2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gl	WIMEX	
90.LVB.1	2.A.C	HL1	1	ZB4.BV3+ZB4BV04	red lamp holder 110/6V	TELEMECANIQUE	
90.LVB.1	2.A.C	HL2	1	ZB4.BV6+ZB4BV04+BA9S30	red lamp holder 24V 60Hz	TELEMECANIQUE	
90.LVB.1	2.A.C	KA1	1	3RH11 22-1AP00	auxiliary relay 230V 50-60Hz 2L+2R	SIEMENS	
90.LVB.1	2.A.C	KM1/2	2	3RT10 26 -AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	2.A.C	QF1	1	NG125L 3x20A "D"	3pole circuit breaker	SCHNEIDER	
90.LVB.1	2.A.C	QF2	1	C60N 2x40A "B"	2 pole circuit breaker	SCHNEIDER	
90.LVB.1	2.A.C	QF3	1	C60N 2x25A "B"	2 pole circuit breaker	SCHNEIDER	
90.LVB.1	2.A.C	SB1..4	4	ZB4.BA5 + ZB4.BZ105	Yellow push button	TELEMECANIQUE	
90.LVB.1	2.A.C	TC1	1	6kVA	auxiliary voltage transformer 380 ±5%/110V	ELCA	
90.LVB.1	2.A.C	TC2	1	1,5kVA	auxiliary voltage transformer 380 ±5%/24V	ELCA	
90.LVB.1	2.A.C	V	5	DM 22 A S - 5705.2	shedule 22diodes 1n4007	CONTACTCLIP	
90.LVB.1	2.A.C	XT..	10	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	2.A.C						
90.LVB.1	2.A.C						
90.LVB.1	2.A.C						
90.LVB.1	2.A.D	a		KU 11.1	LOC. PANEL 155kW-3Ph+N		
90.LVB.1	2.A.D	FU1	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gl	WIMEX	
90.LVB.1	2.A.D	HL1	1	ZB4.BV6+ZB4.BV01+BA9S24	white lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2.A.D	QF1	1	NS400 4x400A - 50KA	4 pole thermomagnetic circuit breaker	SCHNEIDER	
90.LVB.1	2.A.D	QF1	1	1NO+1NC 29450	aux. contacts	SCHNEIDER	
90.LVB.1	2.A.D						
90.LVB.1	2.A.D						
90.LVB.1	2.A.E	a		KU 12.1	LOC. PANEL 1,5kW-2Ph		
90.LVB.1	2.A.E	FU1	1	PS10-1N+2AgG 545.0102+540.0102	2pole fuses holder 10,3x38 + fuse gl	WIMEX	
90.LVB.1	2.A.E	FU2	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gl	WIMEX	
90.LVB.1	2.A.E	HL1	1	ZB4.BV6+ZB4.BV01+BA9S24	white lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2.A.E	QF1	1	NG125L 2x10A "C"	2 pole thermomagnetic circuit breaker	SCHNEIDER	
90.LVB.1	2.A.E	QF1	1	1NO+1NC 19071	aux. contacts	SCHNEIDER	
90.LVB.1	2.A.E	XT..	4	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	2.A.E						
90.LVB.1	2.A.E						
90.LVB.1	2.A.F	a		KU 14.1	LOC. PANEL 28kW-2Ph		
90.LVB.1	2.A.F	FU1	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gl	WIMEX	
90.LVB.1	2.A.F	HL1	1	ZB4.BV6+ZB4.BV01+BA9S24	white lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2.A.F	QF1	1	NG125L 2x63A "C"	2 pole thermomagnetic circuit breaker	SCHNEIDER	
90.LVB.1	2.A.F	QF1	1	1NO+1NC 19071	aux. contacts	SCHNEIDER	
90.LVB.1	2.A.F	XT..	2	UT 35 - 3044225	terminal strip 6mm2	PHOENIX	
90.LVB.1	2.A.F						
90.LVB.1	2.A.F						
90.LVB.1	2.A.G	a		BK 12.1	LOC. PANEL 7kW-3Ph+N		
90.LVB.1	2.A.G	FU1	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gl	WIMEX	
90.LVB.1	2.A.G	HL1	1	ZB4.BV6+ZB4.BV01+BA9S24	white lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2.A.G	QF1	1	NG125L 4x20A "C"	4 pole thermomagnetic circuit breaker	SCHNEIDER	
90.LVB.1	2.A.G	QF1	1	1NO+1NC 19071	aux. contacts	SCHNEIDER	

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	2A.G	XT..	4	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	2A.G						
90.LVB.1	2A.G						
90.LVB.1	2A.H	a		90.CAB.1	LOC. PANEL 1kW-1Ph+N		
90.LVB.1	2A.H	FU1	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	2A.H	HL1	1	ZB4.BV6+ZB4.BV01+BA9S24	white lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2A.H	QF1	1	NG125L 2x10A "C"	2 pole thermomagnetic circuit breaker	SCHNEIDER	
90.LVB.1	2A.H	QF1	1	1NO+1NC 19071	aux. contacts	SCHNEIDER	
90.LVB.1	2A.H	XT..	2	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	2A.H						
90.LVB.1	2A.H						
90.LVB.1	IB.A	a		M 33D1	"HEAVY STAR - DELTA" 55kW		
90.LVB.1	IB.A	FR1	1	3RB21 43-4EB0 25-100A	3pole thermal relay	SIEMENS	
90.LVB.1	IB.A	FU1	1	PNH1 555.3275	3pole fuses holder NH1	WIMEX	
90.LVB.1	IB.A	FU1	3	NH1 gG 125A 3NA3132	fuse gG	SIEMENS	or 160gG 3NA3136
90.LVB.1	IB.A	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	IB.A	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	IB.A	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	IB.A	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	IB.A	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	IB.A	KA1	1	3RH19 11-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	IB.A	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	IB.A	KM1/2/3	3	3RT1045-1AG20 S3	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	IB.A	KM1/2/3	3	3RH19 21-1HA22	auxiliary contact 2L+2R	SIEMENS	
90.LVB.1	IB.A	KM2/3	1	3RA1924-2B	mechanical interlock	SIEMENS	
90.LVB.1	IB.A	KT1	1	3RP15 76-1NQ30	Tymer relay star-delta 3-60" 24-110V 50-60Hz	SIEMENS	
90.LVB.1	IB.A	PA1	1	RQ72E 0-150/750A 150/1A	ac ammeter	IME	
90.LVB.1	IB.A	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	IB.A	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	IB.A	TA1/2	2	TAID10C150 150/1 A	current transformer	IME	
90.LVB.1	IB.A	U01	1	TM3I	current transducer	IME	
90.LVB.1	IB.A	XT..	6	UT 35 - 3044225	terminal strip 35 mm2	PHOENIX	
90.LVB.1	IB.A	XT..	20	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	IB.A						
90.LVB.1	IB.B	a		M 33A1	"DOL" 5,5kW		
90.LVB.1	IB.B	FR1	1	3RU1126-1KBO 9-12,5A	3pole thermal relay	SIEMENS	
90.LVB.1	IB.B	FU1	1	PS 14-3 545.0144	3pole fuses holder 14x51	WIMEX	
90.LVB.1	IB.B	FU1	3	FCF14 aM 16A 540 0716	fuse aM	WIMEX	
90.LVB.1	IB.B	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	IB.B	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	IB.B	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	IB.B	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	IB.B	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	IB.B	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	IB.B	KM1	1	3RT10 25 -AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	IB.B	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	1B.B	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	1B.B	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	1B.B	XT..	3	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	1B.B	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	1B.B						
90.LVB.1	1B.B						
90.LVB.1	1B.C	a		M 33A2	"DOL" 5,5kW		
90.LVB.1	1B.C	FR1	1	3RU1126-1KBO 9-12,5A	3pole thermal relay	SIEMENS	
90.LVB.1	1B.C	FU1	1	PS 14-3 545.0144	3pole fuses holder 14x51	WIMEX	
90.LVB.1	1B.C	FU1	3	FCF14 aM 16A 540 0716	fuse aM	WIMEX	
90.LVB.1	1B.C	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	1B.C	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	1B.C	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	1B.C	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	1B.C	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	1B.C	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	1B.C	KM1	1	3RT10 25 -AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	1B.C	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	1B.C	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	1B.C	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	1B.C	XT..	3	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	1B.C	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	1B.C						
90.LVB.1	1B.C						
90.LVB.1	2B.A	a		M 33P6	"DOL + INVERTER" 15kW		
90.LVB.1	2B.A	FT1	1	3RN1013-1BW10	PTC relay	SIEMENS	
90.LVB.1	2B.A	FU1	1	PNH00 555.3175	3pole fuses holder NH00	WIMEX	
90.LVB.1	2B.A	FU1	1	NH000 gG 35A 3NA3814	fuse gG	SIEMENS	
90.LVB.1	2B.A	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	2B.A	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	2B.A	HL1	1	ZB4.BV6+ZB4BV04+BA9S30	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2B.A	HL2/3	2	ZB4.BV6+ZB4BV05+BA9S30	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2B.A	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.A	KA1	1	3RH19 11-1FA31	3L+1R auxiliary contact	SIEMENS	
90.LVB.1	2B.A	KA2/3/4	3	3RH11 22-1AF00	auxiliary relay 2L+2R 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.A	KM1	1	3RT10 16-1AF01 S00	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.A	QF1	1	3RV10 11-0EA10 0,28-0,4A	3pole circuit breaker	SIEMENS	
90.LVB.1	2B.A	QF1	1	3RV19 01-1E	aux. contacts 1L +1R	SIEMENS	
90.LVB.1	2B.A	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	2B.A	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	2B.A	U1	1	ACS550-01-031A-4	Inverter - ABB	<i>SUPPLY BY BALLESTRA</i>	
90.LVB.1	2B.A	XT..	4	UT 16 - 3044199	terminal strip 16 mm2	PHOENIX	
90.LVB.1	2B.A	XT..	3	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	2B.A	XT..	27	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	2B.A	XT..	1	UT 2,5-PE - 3044092	earth terminal strip 2,5mm2	PHOENIX	
90.LVB.1	2B.A						
90.LVB.1	2B.A						

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	2B.B	a		M 33P7	"DOL" 7,5kW		
90.LVB.1	2B.B	FR1	1	3RU1126-4ABO 11-16A	3pole thermal relay	SIEMENS	
90.LVB.1	2B.B	FU1	1	PS 14-3 545.0144	3pole fuses holder 14x51	WIMEX	
90.LVB.1	2B.B	FU1	3	FCF14 aM 20A 540.0720	fuse aM	WIMEX	
90.LVB.1	2B.B	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	2B.B	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	2B.B	HL1	1	ZB4.BV6-ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2B.B	HL2	1	ZB4.BV6-ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2B.B	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.B	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.B	KM1	1	3RT10 26 -AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.B	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	2B.B	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	2B.B	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	2B.B	XT..	3	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	2B.B	XT..	19	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	2B.B						
90.LVB.1	2B.B						
90.LVB.1	2B.C	a		M 33P8	"DOL" 7,5kW		
90.LVB.1	2B.C	FR1	1	3RU1126-4ABO 11-16A	3pole thermal relay	SIEMENS	
90.LVB.1	2B.C	FU1	1	PS 14-3 545.0144	3pole fuses holder 14x51	WIMEX	
90.LVB.1	2B.C	FU1	3	FCF14 aM 20A 540.0720	fuse aM	WIMEX	
90.LVB.1	2B.C	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	2B.C	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	2B.C	HL1	1	ZB4.BV6-ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2B.C	HL2	1	ZB4.BV6-ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2B.C	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.C	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.C	KM1	1	3RT10 26 -AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.C	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	2B.C	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	2B.C	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	2B.C	XT..	3	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	2B.C	XT..	19	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	2B.C						
90.LVB.1	2B.C						
90.LVB.1	2B.D	a		M 33P5	"DOL" 11kW		
90.LVB.1	2B.D	FR1	1	3RU1136-4DBO 18-25A	3pole thermal relay	SIEMENS	
90.LVB.1	2B.D	FU1	1	PNH00 555.3175	3pole fuses holder NH00	WIMEX	
90.LVB.1	2B.D	FU1	3	NH00 aM 25A 3ND1810	fuse aM	SIEMENS	
90.LVB.1	2B.D	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	2B.D	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	2B.D	HL1	1	ZB4.BV6-ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2B.D	HL2	1	ZB4.BV6-ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2B.D	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.D	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.D	KM1	1	3RT10 36 -AG20 S2	3pole contactor 110V 50-60Hz	SIEMENS	

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	2B.D	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	2B.D	PA1	1	RQ72E 0-60/300A 60/1A	ac ammeter	IME	
90.LVB.1	2B.D	SA1	1	KIE 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	2B.D	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	2B.D	TA1	1	TABB10B600 60/1 A	current transformer	IME	
90.LVB.1	2B.D	XT..	3	UT 35 - 3044225	terminal strip 35mm2	PHOENIX	
90.LVB.1	2B.D	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	2B.D						
90.LVB.1	2B.D						
90.LVB.1	2B.E	a		M 33MX1	"DOL" 22kW		
90.LVB.1	2B.E	FR1	1	3RU1136-4GBO 36-45A	3pole thermal relay	SIEMENS	
90.LVB.1	2B.E	FU1	1	PNH00 555.3175	3pole fuses holder NH00	WIMEX	
90.LVB.1	2B.E	FU1	3	NH00 aM 50A 3ND1820	fuse aM	SIEMENS	
90.LVB.1	2B.E	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	2B.E	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	2B.E	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2B.E	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	2B.E	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.E	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.E	KM1	1	3RT10 36 -AG20 S2	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	2B.E	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	2B.E	PA1	1	RQ72E 0-60/300A 60/1A	ac ammeter	IME	
90.LVB.1	2B.E	SA1	1	KIE 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	2B.E	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	2B.E	TA1	1	TABB10B600 60/1 A	current transformer	IME	
90.LVB.1	2B.E	XT..	3	UT 35 - 3044225	terminal strip 35mm2	PHOENIX	
90.LVB.1	2B.E	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	2B.E						
90.LVB.1	2B.E						
90.LVB.1	3A.A	a		M 12K1	"HEAVY STAR - DELTA" 110kW		
90.LVB.1	3A.A	FR1	1	3RB12 53-0FG40 50-205A	3pole thermal relay	SIEMENS	
90.LVB.1	3A.A	FU1	1	PNH2 555.3475	3pole fuses holder NH2	WIMEX	
90.LVB.1	3A.A	FU1	3	NH2 gG 224A 3NA3242	fuse gG	SIEMENS	or 250/315gG 3NA3244/52
90.LVB.1	3A.A	FU2	1	PS10-1+6AgG 545.0101+540.0106	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3A.A	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3A.A	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3A.A	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3A.A	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	3A.A	KA1	1	3RH19 11-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	3A.A	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	3A.A	KM1/2/3	3	3RT10 55-6AF36 S6	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	3A.A	KM2/3	1	3RA19 54-2A	mechanical interlock	SIEMENS	
90.LVB.1	3A.A	KT1	1	3RP15 76-1NQ30	Tymer relay star-delta 3-60" 24-110V 50-60Hz	SIEMENS	
90.LVB.1	3A.A	PA1	1	RQ72E 0-250/1250A 250/1A	ac ammeter	IME	
90.LVB.1	3A.A	SA1	1	KIE 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	3A.A	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	3A.A	TA1	1	TAID10C250 250/1 A	current transformer	IME	
90.LVB.1	3A.A	XT..	6	UKH150 - 3010110	terminal strip 150 mm2	PHOENIX	
90.LVB.1	3A.A	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	3A.A						
90.LVB.1	3A.A						
90.LVB.1	3A.B	a		M 11P1	"DOL" 5,5kW		
90.LVB.1	3A.B	FR1	1	3RU1126-1KBO 9-12,5A	3pole thermal relay	SIEMENS	
90.LVB.1	3A.B	FU1	1	PS 14-3 545.0144	3pole fuses holder 14x51	WIMEX	
90.LVB.1	3A.B	FU1	3	FCF14 aM 16A 540 0716	fuse aM	WIMEX	
90.LVB.1	3A.B	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3A.B	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3A.B	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3A.B	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3A.B	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	3A.B	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	3A.B	KM1	1	3RT10 25 -AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	3A.B	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	3A.B	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	3A.B	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	3A.B	XT..	3	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	3A.B	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	3A.B						
90.LVB.1	3A.B						
90.LVB.1	3A.C	a		M 11P2	"DOL" 5,5kW		
90.LVB.1	3A.C	FR1	1	3RU1126-1KBO 9-12,5A	3pole thermal relay	SIEMENS	
90.LVB.1	3A.C	FU1	1	PS 14-3 545.0144	3pole fuses holder 14x51	WIMEX	
90.LVB.1	3A.C	FU1	3	FCF14 aM 16A 540 0716	fuse aM	WIMEX	
90.LVB.1	3A.C	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3A.C	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3A.C	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3A.C	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3A.C	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	3A.C	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	3A.C	KM1	1	3RT10 25 -1AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	3A.C	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	3A.C	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	3A.C	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	3A.C	XT..	3	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	3A.C	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	3A.C						
90.LVB.1	3A.C						

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	3A.D	a		XL 16.1	LOC. PANEL 0,1kW-24Vac		
90.LVB.1	3A.D	FU1	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gl	WIMEX	
90.LVB.1	3A.D	HL1	1	ZB4.BV6+ZB4.BV01+BA9S24	white lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3A.D	QF1	1	3RV14 21-0KA10 0,9-1,25A	3pole circuit breaker	SIEMENS	
90.LVB.1	3A.D	QF2	1	3RV10 21-1HA10 5,5-8A	3pole circuit breaker	SIEMENS	
90.LVB.1	3A.D	QF1/2	2	3RV19 01-1E	aux. contacts 1L +1R	SIEMENS	
90.LVB.1	3A.D	TC1	1	0,2kVA	auxiliary voltage transformer 230 ±5%/24V	ELCA	
90.LVB.1	3A.D	XT..	2	UT 35 - 3044225	terminal strip 6mm2	PHOENIX	
90.LVB.1	3A.D						
90.LVB.1	3B.A	a		M 33P1	"DOL + INVERTER" 7,5kW		
90.LVB.1	3B.A	FT1	1	3RN1013-1BW10	PTC relay	SIEMENS	
90.LVB.1	3B.A	FU1	1	PS 10-3 545.0104	3pole fuses holder 10,3x38	WIMEX	
90.LVB.1	3B.A	FU1	1	FCF10 gG 16A 540.0116	fuse gG	WIMEX	
90.LVB.1	3B.A	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3B.A	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3B.A	HL1	1	ZB4.BV6+ZB4.BV04+BA9S30	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3B.A	HL2/3	2	ZB4.BV6+ZB4.BV05+BA9S30	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3B.A	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.A	KA1	1	3RH19 11-1FA31	3L+1R auxiliary contact	SIEMENS	
90.LVB.1	3B.A	KA2/3/4	3	3RH11 22-1AF00	auxiliary relay 2L+2R 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.A	KM1	1	3RT10 16-1AF01 S00	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.A	QF1	1	3RV10 11-0EA10 0,28-0,4A	3pole circuit breaker	SIEMENS	
90.LVB.1	3B.A	QF1	1	3RV19 01-1E	aux. contacts 1L +1R	SIEMENS	
90.LVB.1	3B.A	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	3B.A	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	3B.A	U1	1	ACS550-01-015A-4	Inverter - ABB	SUPPLY BY BALLESTRA	
90.LVB.1	3B.A	XT..	4	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	3B.A	XT..	3	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	3B.A	XT..	27	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	3B.A	XT..	1	UT 2,5-PE - 3044092	earth terminal strip 2,5mm2	PHOENIX	
90.LVB.1	3B.A						
90.LVB.1	3B.A						
90.LVB.1	3B.B	a		M 33P2	"DOL" 1,1kW		
90.LVB.1	3B.B	FR1	1	3RU1116-1DBO 2,2-3,2A	3pole thermal relay	SIEMENS	
90.LVB.1	3B.B	FU1	1	PS 10-3 545.0104	3pole fuses holder 10,3x38	WIMEX	
90.LVB.1	3B.B	FU1	3	FCF10 gG 10A 540.0110	fuse gG	WIMEX	
90.LVB.1	3B.B	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3B.B	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3B.B	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3B.B	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3B.B	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.B	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.B	KM1	1	3RT10 16-1AF01 S00	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.B	KM1	1	3RH19 11-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	3B.B	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	3B.B	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	3B.B	XT..	3	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	3B.B	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	3B.B						
90.LVB.1	3B.B						
90.LVB.1	3B.C	a		M 33P3	"DOL" 7,5kW		
90.LVB.1	3B.C	FR1	1	3RU1126-4ABO 11-16A	3pole thermal relay	SIEMENS	
90.LVB.1	3B.C	FU1	1	PS 14-3 545.0144	3pole fuses holder 14x51	WIMEX	
90.LVB.1	3B.C	FU1	3	FCF14 aM 20A 540.0720	fuse aM	WIMEX	
90.LVB.1	3B.C	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3B.C	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3B.C	HL1	1	ZB4.BV6-ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3B.C	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3B.C	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.C	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.C	KM1	1	3RT10 26 -1AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.C	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	3B.C	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	3B.C	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	3B.C	XT..	3	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	3B.C	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	3B.C						
90.LVB.1	3B.C						
90.LVB.1	3B.D	a		M 33P4	"DOL" 0,37kW		
90.LVB.1	3B.D	FR1	1	3RU1116-0KBO 0,9-0,1,25A	3pole thermal relay	SIEMENS	
90.LVB.1	3B.D	FU1	1	PS 10-3 545.0104	3pole fuses holder 10,3x38	WIMEX	
90.LVB.1	3B.D	FU1	3	FCF10 gG 4A 540.0104	fuse gG	WIMEX	
90.LVB.1	3B.D	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3B.D	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	3B.D	HL1	1	ZB4.BV6-ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3B.D	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	3B.D	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.D	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.D	KM1	1	3RT10 16 -1AF01 S00	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	3B.D	KM1	1	3RH19 11-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	3B.D	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	3B.D	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	3B.D	XT..	3	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	3B.D	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	3B.D						
90.LVB.1	3B.D						
90.LVB.1	4A.A	a		M 11K2	"HEAVY STAR - DELTA" 37kW		
90.LVB.1	4A.A	FR1	1	3RB21 33-4UB0 12,5-50A	3pole thermal relay	SIEMENS	
90.LVB.1	4A.A	FU1	1	PNH00 555.3175	3pole fuses holder NH00	WIMEX	
90.LVB.1	4A.A	FU1	3	NH00 gG 80A 3NA3824	fuse gG	SIEMENS	or 125gG 3NA3832
90.LVB.1	4A.A	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	4A.A	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	4A.A	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4A.A	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4A.A	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	4A.A	KA1	1	3RH19 11-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	4A.A	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	4A.A	KM1/2/3	3	3RT1036-1AG20 S2	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	4A.A	KM1/2/3	3	3RH19 21-1HA22	auxiliary contact 2L+2R	SIEMENS	
90.LVB.1	4A.A	KM2/3	1	3RA1924-2B	mechanical interlock	SIEMENS	
90.LVB.1	4A.A	KT1	1	3RP15 76-1NQ30	Tymer relay star-delta 3-60" 24-110V 50-60Hz	SIEMENS	
90.LVB.1	4A.A	PA1	1	RQ72E 0-100/500A 100/1A	ac ammeter	IME	
90.LVB.1	4A.A	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	4A.A	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	4A.A	TA1	1	TABB10C100 100/1 A	current transformer	IME	
90.LVB.1	4A.A	XT..	6	UT 35 - 3044225	terminal strip 35 mm2	PHOENIX	
90.LVB.1	4A.A	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	4A.A						
90.LVB.1	4A.A						
90.LVB.1	4A.B	a		M 16P1	"STAR - DELTA" 37kW		
90.LVB.1	4A.B	FR1	1	3RB21 33-4UB0 12,5-50A	3pole thermal relay	SIEMENS	
90.LVB.1	4A.B	FU1	1	PNH00 555.3175	3pole fuses holder NH00	WIMEX	
90.LVB.1	4A.B	FU1	3	NH00 gG 80A 3NA3824	fuse gG	SIEMENS	or 125gG 3NA3832
90.LVB.1	4A.B	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	4A.B	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	4A.B	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4A.B	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4A.B	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	4A.B	KA1	1	3RH19 11-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	4A.B	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	4A.B	KM1/2/3	3	3RT1036-1AG20 S2	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	4A.B	KM1/2/3	3	3RH19 21-1HA22	auxiliary contact 2L+2R	SIEMENS	
90.LVB.1	4A.B	KM2/3	1	3RA1924-2B	mechanical interlock	SIEMENS	
90.LVB.1	4A.B	KT1	1	3RP15 76-1NQ30	Tymer relay star-delta 3-60" 24-110V 50-60Hz	SIEMENS	
90.LVB.1	4A.B	PA1	1	RQ72E 0-100/500A 100/1A	ac ammeter	IME	
90.LVB.1	4A.B	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	4A.B	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	4A.B	TA1	1	TABB10C100 100/1 A	current transformer	IME	
90.LVB.1	4A.B	XT..	6	UT 35 - 3044225	terminal strip 35 mm2	PHOENIX	
90.LVB.1	4A.B	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	4A.B						
90.LVB.1	4A.B						
90.LVB.1	4B.A	a		M 25P1 / M 25P2	"DOL + INVERTER" 0,55kW		
90.LVB.1	4B.A	FT1/2	1	3RN1013-1BW10	PTC relay	SIEMENS	
90.LVB.1	4B.A	FU1	1	PS 10-3 545.0104	3pole fuses holder 10,3x38	WIMEX	

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	4B.A	FU1	1	FCF10 gG 10A 540.0110	fuse gG	WIMEX	
90.LVB.1	4B.A	FU2	1	PS10-1+6AgG 545.0101+540.0106	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	4B.A	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	4B.A	HL1/3/5	3	ZB4.BV6+ZB4BV05+BA9S30	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4B.A	HL2/4	2	ZB4.BV6+ZB4BV04+BA9S30	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4B.A	KA1/5	2	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.A	KA1/5	2	3RH19 11-1FA31	3L+1R auxiliary contact	SIEMENS	
90.LVB.1	4B.A	KA2/3/4/6..9	7	3RH11 22-1AF00	auxiliary relay 2L+2R 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.A	KM1/KM2	2	3RT10 26-1AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.A	KM1/KM2	1	3RA1924-2B	mechanical interlock	SIEMENS	
90.LVB.1	4B.A	KM1/KM2	2	3RH19 21-1HA22	auxiliary contact 2L+2R	SIEMENS	
90.LVB.1	4B.A	KM3/KM4	2	3RT10 16-1AF01 S00	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.A	QF1/QF2	2	3RV10 11-0AA10 0,11-0,16A	3pole circuit breaker	SIEMENS	
90.LVB.1	4B.A	QF1/QF2	2	3RV19 01-1E	aux. contacts 1L +1R	SIEMENS	
90.LVB.1	4B.A	SA1	1	ZB4.BD2 + ZB4.BZ105	2position selector switch	TELEMECANIQUE	
90.LVB.1	4B.A	SA2/4	2	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	4B.A	SA3/5	2	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	4B.A	U1	1	ACS550-01-03A3-4	Inverter - ABB	SUPPLY BY BALLESTRA	
90.LVB.1	4B.A	XT..	14	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	4B.A	XT..	61	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	4B.A	XT..	2	UT 2,5-PE - 3044092	earth terminal strip 2,5mm2	PHOENIX	
90.LVB.1	4B.A						
90.LVB.1	4B.B	a		M 06P1	"DOL" 4kW		
90.LVB.1	4B.B	FR1	1	3RU1126-1HBO 5,5-8A	3pole thermal relay	SIEMENS	
90.LVB.1	4B.B	FU1	1	PS 10-3 545.0104	3pole fuses holder 10,3x38	WIMEX	
90.LVB.1	4B.B	FU1	3	FCF10 aM 10A 540.0610	fuse aM	WIMEX	
90.LVB.1	4B.B	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	4B.B	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	4B.B	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4B.B	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4B.B	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.B	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.B	KM1	1	3RT10 24 -1AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.B	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	4B.B	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	4B.B	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	4B.B	XT..	3	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	4B.B	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	4B.B						
90.LVB.1	4B.B						

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	4B.C	a		M 06P2	"DOL" 4kW		
90.LVB.1	4B.C	FR1	1	3RU1126-1HBO 5,5-8A	3pole thermal relay	SIEMENS	
90.LVB.1	4B.C	FU1	1	PS 10-3 545.0104	3pole fuses holder 10,3x38	WIMEX	
90.LVB.1	4B.C	FU1	3	FCF10 aM 10A 540.0610	fuse aM	WIMEX	
90.LVB.1	4B.C	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	4B.C	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	4B.C	HL1	1	ZB4.BV6-ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4B.C	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4B.C	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.C	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.C	KM1	1	3RT10 24 -1AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.C	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	4B.C	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	4B.C	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	4B.C	XT..	3	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	4B.C	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	4B.C						
90.LVB.1	4B.C						
90.LVB.1	4B.D	a		M 06P3	"DOL" 4kW		
90.LVB.1	4B.D	FR1	1	3RU1126-1HBO 5,5-8A	3pole thermal relay	SIEMENS	
90.LVB.1	4B.D	FU1	1	PS 10-3 545.0104	3pole fuses holder 10,3x38	WIMEX	
90.LVB.1	4B.D	FU1	3	FCF10 aM 10A 540.0610	fuse aM	WIMEX	
90.LVB.1	4B.D	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	4B.D	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	4B.D	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4B.D	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	4B.D	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.D	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.D	KM1	1	3RT10 24 -AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	4B.D	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	4B.D	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	4B.D	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	4B.D	XT..	3	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	4B.D	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	4B.D						
90.LVB.1	4B.D						
90.LVB.1	5A.A	a		M 16P2	"DOL + INVERTER" 7,5kW		
90.LVB.1	5A.A	FT1	1	3RN1013-1BW10	PTC relay	SIEMENS	
90.LVB.1	5A.A	FU1	1	PS 10-3 545.0104	3pole fuses holder 10,3x38	WIMEX	
90.LVB.1	5A.A	FU1	1	FCF10 gG 16A 540.0116	fuse gG	WIMEX	
90.LVB.1	5A.A	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5A.A	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5A.A	HL1	1	ZB4.BV6+ZB4BV04+BA9S30	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5A.A	HL2/3	2	ZB4.BV6+ZB4BV05+BA9S30	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5A.A	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	5A.A	KA1	1	3RH19 11-1FA31	3L+1R auxiliary contact	SIEMENS	

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	5A.A	KA2/3/4	3	3RH11 22-1AF00	auxiliary relay 2L+2R 110V 50-60Hz	SIEMENS	
90.LVB.1	5A.A	KM1	1	3RT10 16-1AF01 S00	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	5A.A	QF1	1	3RV10 11-0EA10 0,28-0,4A	3pole circuit breaker	SIEMENS	
90.LVB.1	5A.A	QF1	1	3RV19 01-1E	aux. contacts 1L +1R	SIEMENS	
90.LVB.1	5A.A	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	5A.A	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	5A.A	U1	1	ACS550-01-015A-4	Inverter - ABB	SUPPLY BY BALLESTRA	
90.LVB.1	5A.A	XT..	4	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	5A.A	XT..	3	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	5A.A	XT..	27	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	5A.A	XT..	1	UT 2,5-PE - 3044092	earth terminal strip 2,5mm2	PHOENIX	
90.LVB.1	5A.A						
90.LVB.1	5A.A						
90.LVB.1	5A.B	a		M 16P3	"DOL + INVERTER" 3kW		
90.LVB.1	5A.B	FT1	1	3RN1013-1BW10	PTC relay	SIEMENS	
90.LVB.1	5A.B	FU1	1	PS 10-3 545.0104	3pole fuses holder 10,3x38	WIMEX	
90.LVB.1	5A.B	FU1	1	FCF10 gG 10A 540.0110	fuse gG	WIMEX	
90.LVB.1	5A.B	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5A.B	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5A.B	HL1	1	ZB4.BV6+ZB4.BV04+BA9S30	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5A.B	HL2/3	2	ZB4.BV6+ZB4.BV05+BA9S30	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5A.B	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	5A.B	KA1	1	3RH19 11-1FA31	3L+1R auxiliary contact	SIEMENS	
90.LVB.1	5A.B	KA2/3/4	3	3RH11 22-1AF00	auxiliary relay 2L+2R 110V 50-60Hz	SIEMENS	
90.LVB.1	5A.B	KM1	1	3RT10 16-1AF01 S00	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	5A.B	QF1	1	3RV10 11-0EA10 0,28-0,4A	3pole circuit breaker	SIEMENS	
90.LVB.1	5A.B	QF1	1	3RV19 01-1E	aux. contacts 1L +1R	SIEMENS	
90.LVB.1	5A.B	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	5A.B	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	5A.B	U1	1	ACS550-01-08A8-4	Inverter - ABB	SUPPLY BY BALLESTRA	
90.LVB.1	5A.B	XT..	7	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	5A.B	XT..	27	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	5A.B	XT..	1	UT 2,5-PE - 3044092	earth terminal strip 2,5mm2	PHOENIX	
90.LVB.1	5A.B						
90.LVB.1	5A.B						
90.LVB.1	5A.C	a		M 14K1	"HD" 1,1kW		
90.LVB.1	5A.C	FR1	1	3RU1126-1DBO 2,2-3,2A	3pole thermal relay	SIEMENS	
90.LVB.1	5A.C	FR1	1	PS 10-3 545.0104	3pole fuses holder 10,3x38	WIMEX	
90.LVB.1	5A.C						or 16gG 540.0116
90.LVB.1	5A.C	FU1	1	FCF10 gG 10A 540.0110	fuse gG	WIMEX	
90.LVB.1	5A.C	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5A.C	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5A.C	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5A.C	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5A.C	KA1	1	3RH19 11-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	5A.C	KA1/KT1	2	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	5A.C	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	5A.C	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	5A.C	KM1/2	2	3RT10 24 -1AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	5A.C	KT1	1	3RT1916-2EC31	time relay 1L+1R 110V 50-60Hz 1,5-30" on-delay	SIEMENS	
90.LVB.1	5A.C	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	5A.C	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	5A.C	XT..	3	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	5A.C	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	5A.C						
90.LVB.1	5A.C						
90.LVB.1	5B.A	a		M 16P4	"DOL + INVERTER" 7,5kW		
90.LVB.1	5B.A	FT1	1	3RN1013-1BW10	PTC relay	SIEMENS	
90.LVB.1	5B.A	FU1	1	PS 10-3 545.0104	3pole fuses holder 10,3x38	WIMEX	
90.LVB.1	5B.A	FU1	1	FCF10 gG 16A 540.0116	fuse gG	WIMEX	
90.LVB.1	5B.A	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5B.A	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5B.A	HL1	1	ZB4.BV6+ZB4BV04+BA9S30	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5B.A	HL2/3	2	ZB4.BV6+ZB4BV05+BA9S30	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5B.A	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	5B.A	KA1	1	3RH19 11-1FA31	3L+1R auxiliary contact	SIEMENS	
90.LVB.1	5B.A	KA2/3/4	3	3RH11 22-1AF00	auxiliary relay 2L+2R 110V 50-60Hz	SIEMENS	
90.LVB.1	5B.A	KM1	1	3RT10 16-1AF01 S00	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	5B.A	QF1	1	3RV10 11-0EA10 0,28-0,4A	3pole circuit breaker	SIEMENS	
90.LVB.1	5B.A	QF1	1	3RV19 01-1E	aux. contacts 1L +1R	SIEMENS	
90.LVB.1	5B.A	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	5B.A	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	5B.A	U1	1	ACS550-01-015A-4	Inverter - ABB	<i>SUPPLY BY BALLESTRA</i>	
90.LVB.1	5B.A	XT..	4	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	5B.A	XT..	3	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	5B.A	XT..	27	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	5B.A	XT..	1	UT 2,5-PE - 3044092	earth terminal strip 2,5mm2	PHOENIX	
90.LVB.1	5B.A						
90.LVB.1	5B.B	a		M 16A1	"DOL" 5,5kW		
90.LVB.1	5B.B	FR1	1	3RU1126-1KBO 9-12,5A	3pole thermal relay	SIEMENS	
90.LVB.1	5B.B	FU1	1	PS 14-3 545.0144	3pole fuses holder 14x51	WIMEX	
90.LVB.1	5B.B	FU1	3	FCF14 aM 16A 540 0716	fuse aM	WIMEX	
90.LVB.1	5B.B	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5B.B	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5B.B	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5B.B	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5B.B	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	5B.B	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	5B.B	KM1	1	3RT10 25 -1AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	5B.B	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	5B.B	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	5B.B	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	5B.B	XT..	3	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	

=..	+..	-..	Q.ty	TYPE	ELECTRICAL DATA	SUPPLYER	NOTES
90.LVB.1	5B.B	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	5B.B						
90.LVB.1	5B.B						
90.LVB.1	5B.C	a		M 16MX2	"DOL" 7,5kW		
90.LVB.1	5B.C	FR1	1	3RU1126-4BBO 14-20A	3pole thermal relay	SIEMENS	
90.LVB.1	5B.C	FU1	1	PS 14-3 545.0144	3pole fuses holder 14x51	WIMEX	
90.LVB.1	5B.C	FU1	3	FCF14 aM 20A 540.0720	fuse aM	WIMEX	
90.LVB.1	5B.C	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5B.C	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	5B.C	HL1	1	ZB4.BV6+ZB4.BV04+BA9S24	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5B.C	HL2	1	ZB4.BV6+ZB4.BV05+BA9S24	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	5B.C	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	5B.C	KA2	1	3RH11 31-1AF00	auxiliary relay 3L+1R 110V 50-60Hz	SIEMENS	
90.LVB.1	5B.C	KM1	1	3RT10 26 -1AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	5B.C	KM1	1	3RH19 21-1FA31	auxiliary contact 3L+1R	SIEMENS	
90.LVB.1	5B.C	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	5B.C	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	5B.C	XT..	3	UT 10 - 3044160	terminal strip 10mm2	PHOENIX	
90.LVB.1	5B.C	XT..	17	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	5B.C						
90.LVB.1	5B.C						
90.LVB.1	6A.A	a		M 11K1	"DOL + INVERTER" 315kW		
90.LVB.1	6A.A	FT1	1	3RN1013-1BW10	PTC relay	SIEMENS	
90.LVB.1	6A.A	FU1	1	PNH3 555.0650	3pole fuses holder NH3	WIMEX	
90.LVB.1	6A.A	FU1	1	NH3 aR 1250A 170M8554D	fuse Ar	BUSSMANN	
90.LVB.1	6A.A	FU2	1	PS10-1+4AgG 545.0101+540.0104	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	6A.A	FU3	1	PS10-1+2AgG 545.0101+540.0102	1pole fuses holder 10,3x38 + fuse gG	WIMEX	
90.LVB.1	6A.A	HL1	1	ZB4.BV6+ZB4BV04+BA9S30	red lamp holder 24V	TELEMECANIQUE	
90.LVB.1	6A.A	HL2/3	2	ZB4.BV6+ZB4BV05+BA9S30	yellow lamp holder 24V	TELEMECANIQUE	
90.LVB.1	6A.A	KA1	1	3RH11 40-1AF00	auxiliary relay 4L 110V 50-60Hz	SIEMENS	
90.LVB.1	6A.A	KA1	1	3RH19 11-1FA31	3L+1R auxiliary contact	SIEMENS	
90.LVB.1	6A.A	KA2/3/4/5	4	3RH11 22-1AF00	auxiliary relay 2L+2R 110V 50-60Hz	SIEMENS	
90.LVB.1	6A.A	KM1	1	3RT10 24-1AG20 S0	3pole contactor 110V 50-60Hz	SIEMENS	
90.LVB.1	6A.A	QF1	1	3RV10 21-1DA10 2,2-3,2A	3pole circuit breaker	SIEMENS	
90.LVB.1	6A.A	QF1	1	3RV19 01-1E	aux. contacts 1L +1R	SIEMENS	
90.LVB.1	6A.A	SA1	1	K1E 005N + KBA 1H	5 position selector switch	TELEMECANIQUE	
90.LVB.1	6A.A	SA2	1	ZB4.BD5 + ZB4.BZ105	3position selector switch with spring centre	TELEMECANIQUE	
90.LVB.1	6A.A	U1	1	ACS800-04-0400-3	Inverter - ABB	SUPPLY BY BALLESTRA	
90.LVB.1	6A.A	XT..	3	UT 6 - 3044131	terminal strip 6mm2	PHOENIX	
90.LVB.1	6A.A	XT..	34	UT 2,5 - 3044076	terminal strip 2,5mm2	PHOENIX	
90.LVB.1	6A.A	XT..	1	UT 2,5-PE - 3044092	earth terminal strip 2,5mm2	PHOENIX	
90.LVB.1	6A.A						
90.LVB.1	6A.A						