



CNC CRANK PIN GRINDER

LANDIS LUND M/C No. 419-19, EY01512

LANDIS SYSTEM 3200 CONTROLLER

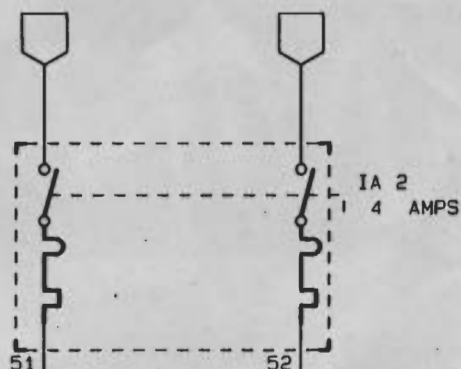
DESCRIPTION	PAGINA N. PAGE No	DESCRIZIONE
FRONT SHEET	1	FOGLI FRONTALE
3 PHASE POWER WIRING	2-18	ELETTRICO TRIFASE
RELAY SCHEMATIC	19-36	SCHEMI ELETTRICI RELE'
LOADER INTERLOCKS	37-38	INTERBLOCCHI CARICO/SCARICO (CARICATORE)
POST PROCESS GAUGE (E50)	39	CALIBRO POST PROCESS MARPOSS E50
FMA MONITORING	40	MONITORIZZAZIONE FMA
P.C. INPUTS	41-68	P.C. INGRESSI
P.C. OUTPUTS	69-82	P.C. USCITE
TACHO AND ENCODER CONNECTIONS	83-91	CONNESSIONI ENCODER E TACHIM.
WHEEL SPEED MONITOR CONNECTIONS	92	CONNESSIONI MONITOR VELOC. RUOTA
PORTABLE JOG STATION CONNECTIONS	93	STAZIONE "JOG" PORTATILE CONNESSIONI
M.M.I. CONNECTIONS	94	CONNESSIONI M.M.I.
PROCESSOR BOARD SETTINGS AND RAC 3.1 PARAMETERS	95	SETTA. SCHEDA PROCESSORE MASTER / PARA. RAC1
SYSTEM 3200 ADDRESS SWITCH SETTINGS	96	SETTAGGIO INDIRIZZI SISTEMA 3200
OUT OF SEQUENCE WIRE AND RELAY NUMBERS	97	TABELLA DEI CAVI "FUORI SEQUENZA" E RELE'
CABINET No1 LAYOUT	98	DISPOSIZIONE DELL' ARMADIO No1
CABINET No2 LAYOUT	99	DISPOSIZIONE DELL' ARMADIO No2
PLUG BOX LAYOUT	100	DISPOSIZIONE CONNESSIONI CABINE
CABINET No3 LAYOUT	101	DISPOSIZIONE DELL' ARMADIO No3
CABINET TERMINAL RAILS	102	MORSETTIERA CABINE
SPARE SHEET	103	FOGLI RISERVA
SERVO MOTOR CABLES	104-105	CAVI SERVOMOTORI
CABINET CABLES TO THE MACHINE	106-110	CAVI DA CABINE A MACCHINA
LOADER, POST PROCESS AND GAUGE CABLES	111	CAVI CARICATORE / CALIBRO POST PROCESS / MONITORIZZAZIONE FMA
SPARE SHEET	112	FOGLI RISERVA
CABLES MACHINE JUNCTION BOX 'A' TO THE CONSOLE	113-114	CAVI DA CABINA MACCHINA "A" ALLA CONSOLE
SPARE SHEET	115	FOGLI RISERVA
MACHINE JUNCTION BOX 'A'	116	CAB. MACCHINA 'DI' GIUNZIONE "A"
MACHINE WIRING	117-126	DIAGRAMMA CAVI DELLA MACCHINA
SPARE SHEET	127	FOGLI RISERVA
CABLE MAP INTERNAL	128	MAPPA CAVI INTERNI
CABLE MAP EXTERNAL	129	MAPPA CAVI ESTERNI
CABLE LIST	130-131	ELENCO CAVI
JOILFLEX CABLE LENGTHS	132-133	CAVI MACCHINA LUNGHEZZA
EARTH DIAGRAM	134	DIAGRAMMA MESSA A TERRA
LOCATION DIAGRAM	135	DIAGRAMMA POSIZIONE
STOCK LIST	136-160	LISTA DEI COMPONENTI

DESIGN KM	<table border="1"> <tr> <th>NAME</th> <th>DATE</th> <th>C.I.</th> </tr> <tr><td>KE</td><td>14-02-97</td><td>1/0 07060</td></tr> <tr><td>KE</td><td>14-02-97</td><td>1/0 97112</td></tr> <tr><td>KE</td><td>14-02-97</td><td>1/0 96050</td></tr> <tr><td>KE</td><td>14-02-97</td><td>1/0 96067</td></tr> <tr><td>KE</td><td>14-02-97</td><td>1/0 97033</td></tr> <tr><td>KE</td><td>14-02-97</td><td>1/0 98023</td></tr> <tr><td>KE</td><td>14-02-97</td><td>1/0 98034</td></tr> <tr><td>KE</td><td>14-02-97</td><td>1/0 97068</td></tr> <tr><td>KE</td><td>14-02-97</td><td>1/0 07062</td></tr> </table>	NAME	DATE	C.I.	KE	14-02-97	1/0 07060	KE	14-02-97	1/0 97112	KE	14-02-97	1/0 96050	KE	14-02-97	1/0 96067	KE	14-02-97	1/0 97033	KE	14-02-97	1/0 98023	KE	14-02-97	1/0 98034	KE	14-02-97	1/0 97068	KE	14-02-97	1/0 07062	TITLE ELECTRICAL SCHEMATIC DIAGRAM POTENZA ELETTRICA TRIFASE M/C No 419-19		MICROFILM REF. DIS EY01511 SHEET 1 SHEETS 160
NAME		DATE	C.I.																															
KE		14-02-97	1/0 07060																															
KE		14-02-97	1/0 97112																															
KE	14-02-97	1/0 96050																																
KE	14-02-97	1/0 96067																																
KE	14-02-97	1/0 97033																																
KE	14-02-97	1/0 98023																																
KE	14-02-97	1/0 98034																																
KE	14-02-97	1/0 97068																																
KE	14-02-97	1/0 07062																																
CHECKED																																		
APPROVED																																		
LAYOUT APP'D																																		

EY01512

380V 3PH 50Hz
MAXIMUM DEMAND 74KVA.

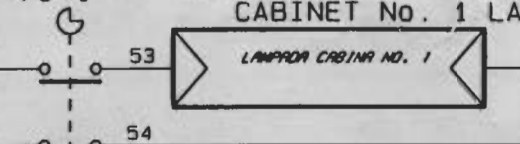
FIAT 220V SUPPLY



NOTE:
ALL LIGHTING WIRING
IN THE PANEL IS TO
BE BLACK AND IS TO
BE RUN IN SEPERATE
TRUNKING.

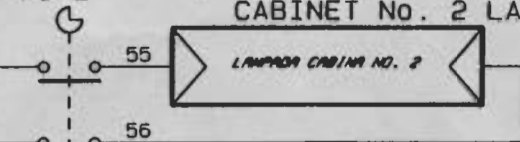
PORTA CHIUSA
CABINA
NO. 1
CABINET
No 1 DOOR
CLOSED
FC 1

LS 1
CABINET No. 1 LAMP



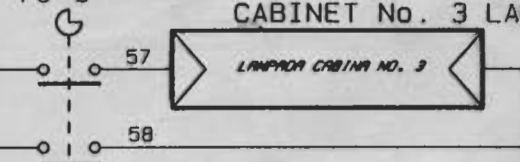
PORTA CHIUSA
CABINA
NO. 2
CABINET
No 2 DOOR
CLOSED
FC 2

LS 2
CABINET No. 2 LAMP



PORTA CHIUSA
CABINA
NO. 3
CABINET
No 3 DOOR
CLOSED
FC 3

LS 3
CABINET No. 3 LAMP



DRAWN	
KM	
CHECKED	
APPROVED	
LAYOUT APP'D	

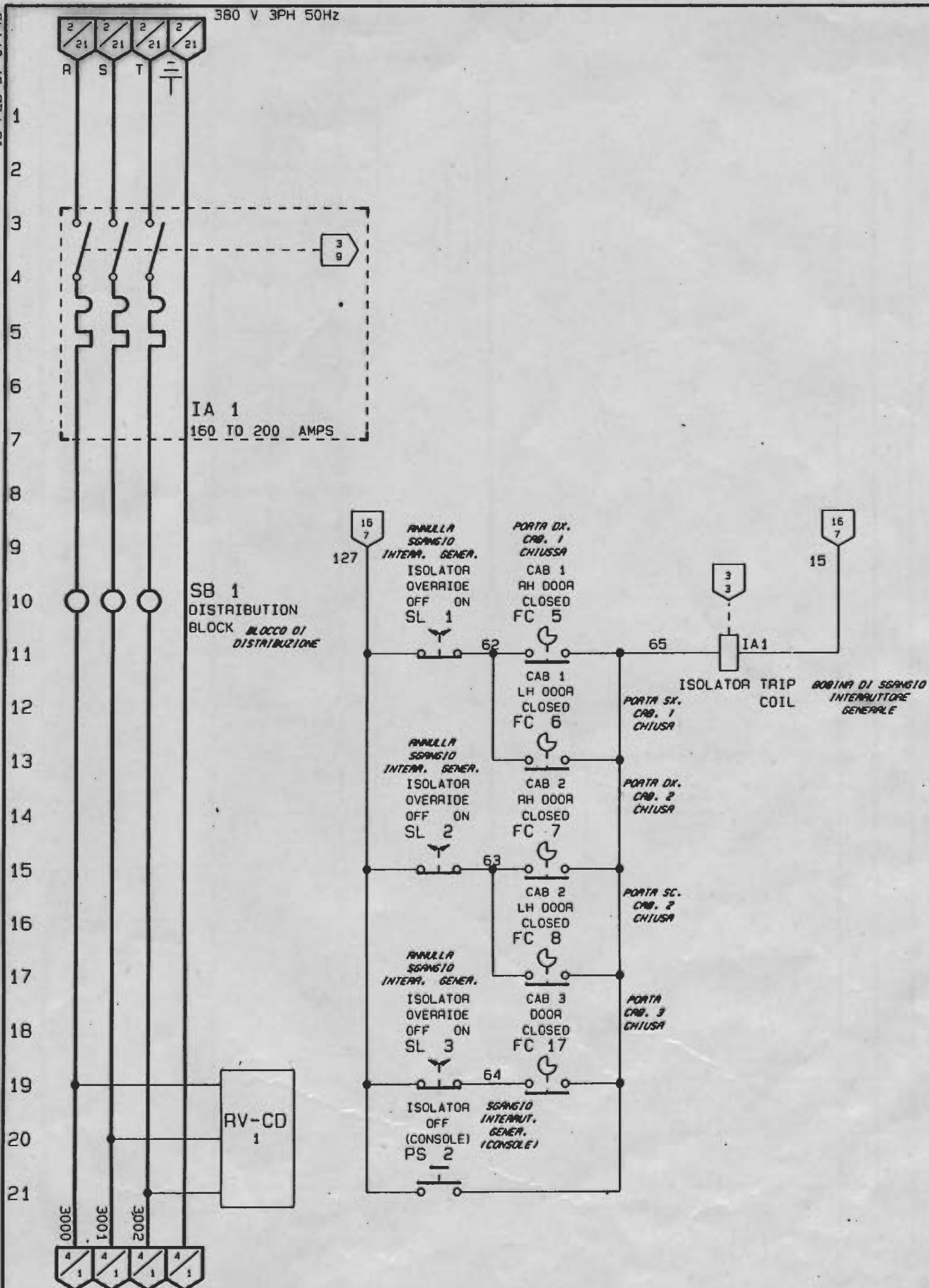
CHANCES			
NAME	DATE	C.I.	
NE	14-02-97	N/O 97656	
NE	14-02-97	N/O 97111	
NE	14-02-97	N/O 96660	
NE	14-02-97	N/O 97033	
NE	14-02-97	N/O 95939	
NE	14-02-97	N/O 98004	
NE	14-02-97	N/O 97804	
NE	14-02-97	N/O 97854	

TITLE	3 PHASE POWER WIRING. <i>ELECTRICO TRIFASE</i>
M/C No	419-19

FMA
EY01512

MICROFILM
REF. ORG
EY01511
SHEET
2
SHEETS
160

18 FEB 97 07.49



DRAWN	NAME	DATE	C.I.
KM	KE	14-02-97	W/O 9782
CHECKED	NAME	DATE	C.I.
	KE	14-02-97	W/O 97112
	KE	14-02-97	W/O 96950
	KE	14-02-97	W/O 96607
	KE	14-02-97	W/O 97833
	KE	14-02-97	W/O 95858
	KE	14-02-97	W/O 95093
	KE	14-02-97	W/O 97868
	KE	14-02-97	W/O 97644
APPROVED	NAME	DATE	C.I.
	KE	14-02-97	W/O 97868
LAYOUT APP'D	NAME	DATE	C.I.
	KE	14-02-97	W/O 97644

TITLE

3 PHASE POWER WIRING.

ELETTRICO TRIFASE

M/C No 419-19

FMA

EY01512

MICROFILM

REF. ORG

EY01511

SHEET

3

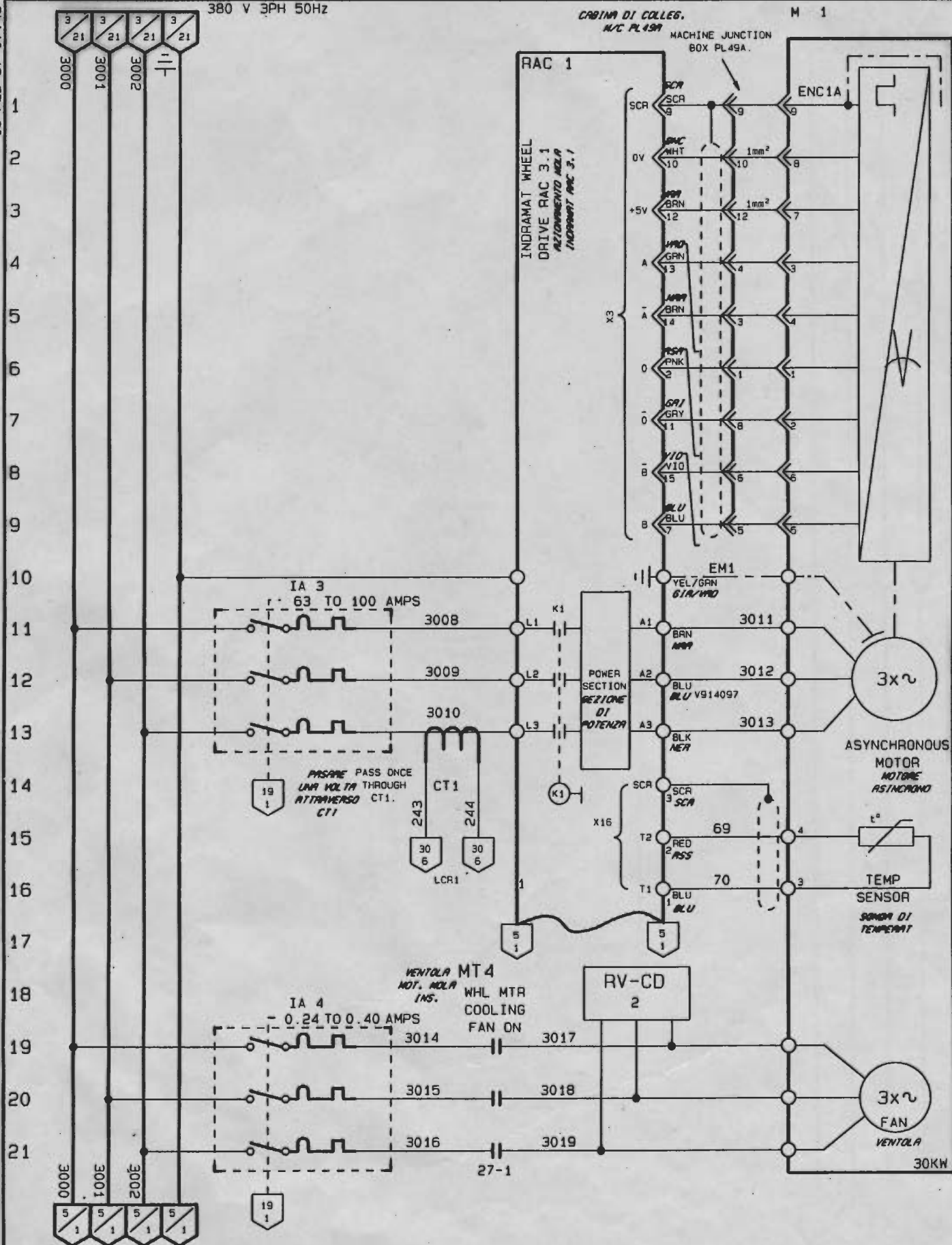
SHEETS

160

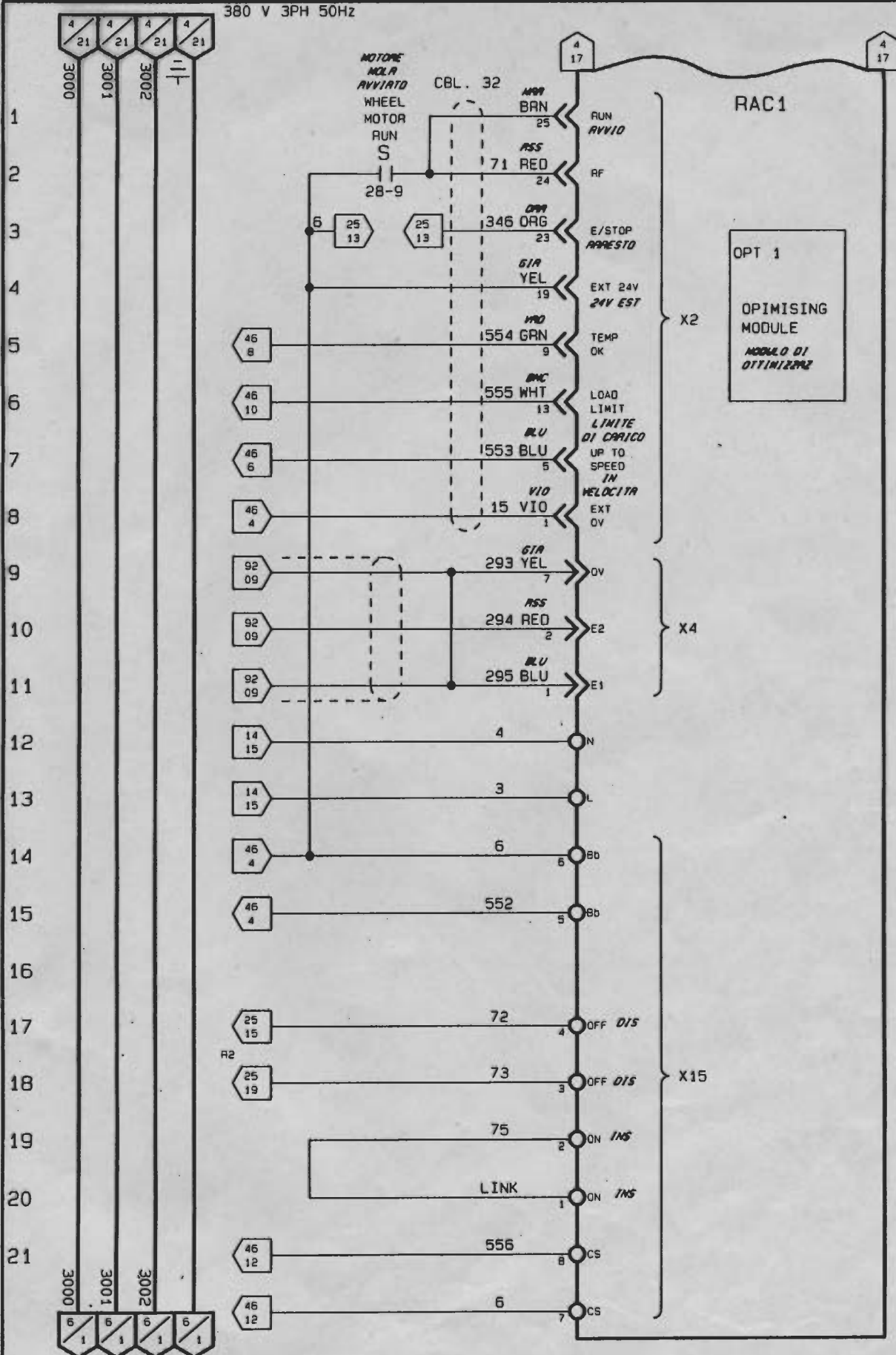
380 V 3PH 50Hz

CABINA DI COLLEG.
N. 199

M 1

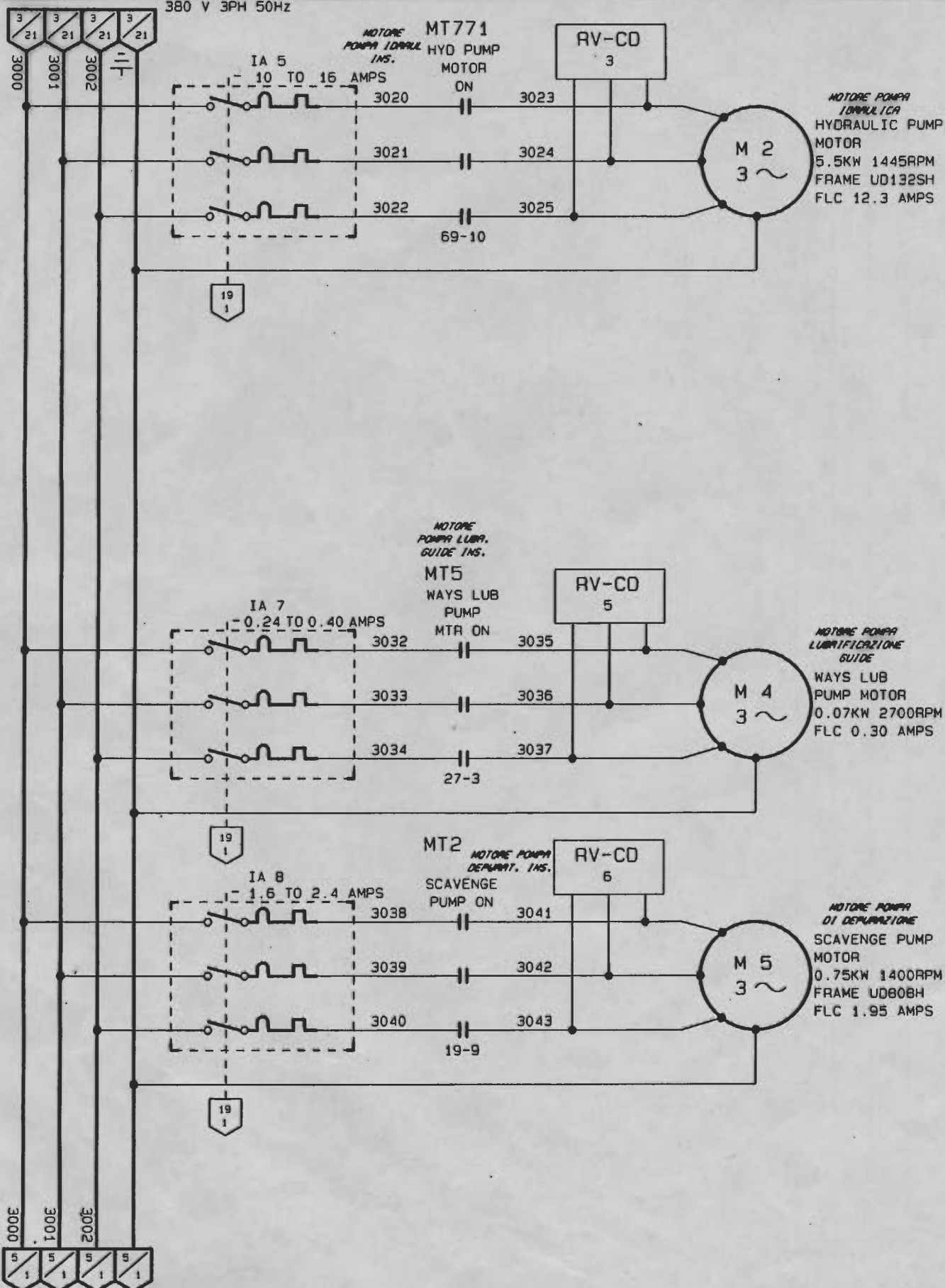
[illegible]

380 V 3PH 50Hz



DRAWN KM				TITLE 3 PHASE POWER WIRING. ELECTRICO TRIFASE				MICROFILM			
CHECKED								REF. DRG EY01511			
APPROVED				M/C No 419-19				SHEET 5			
LAYOUT APP'D								SHEETS 160			
CHANGES											
NAME	DATE	C.I.									
KE	14-02-97	V/O 978662									
KE	14-02-97	V/O 971112									
KE	14-02-97	V/O 969566									
KE	14-02-97	V/O 966070									
KE	14-02-97	V/O 978332									
KE	14-02-97	V/O 956866									
KE	14-02-97	V/O 980836									
KE	14-02-97	V/O 978666									
KE	14-02-97	V/O 978444									

380 V 3PH 50Hz



DRAWN	NAME	DATE	C.I.
KM	KE	14-02-97	4/0 97662
CHECKED	KE	14-02-97	4/0 97112
APPROVED	KE	14-02-97	4/0 96920
LAYOUT APP'D	KE	14-02-97	4/0 96607
	KE	14-02-97	4/0 97833
	KE	14-02-97	4/0 95958
	KE	14-02-97	4/0 98083
	KE	14-02-97	4/0 97868
	KE	14-02-97	4/0 97644

TITLE

3 PHASE POWER WIRING.
ELETTRICO TRIFASE

M/C No 419-19

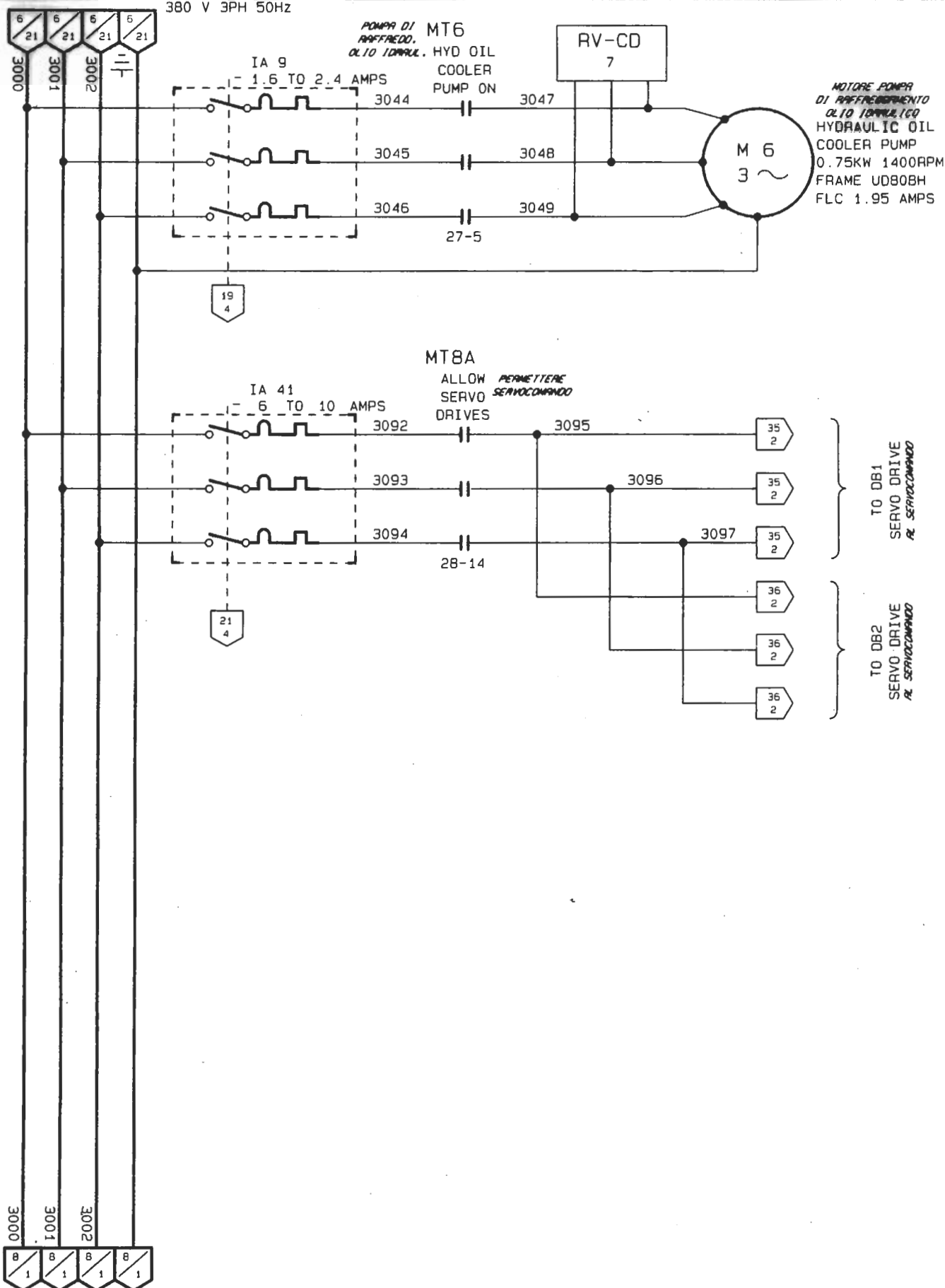
FMA

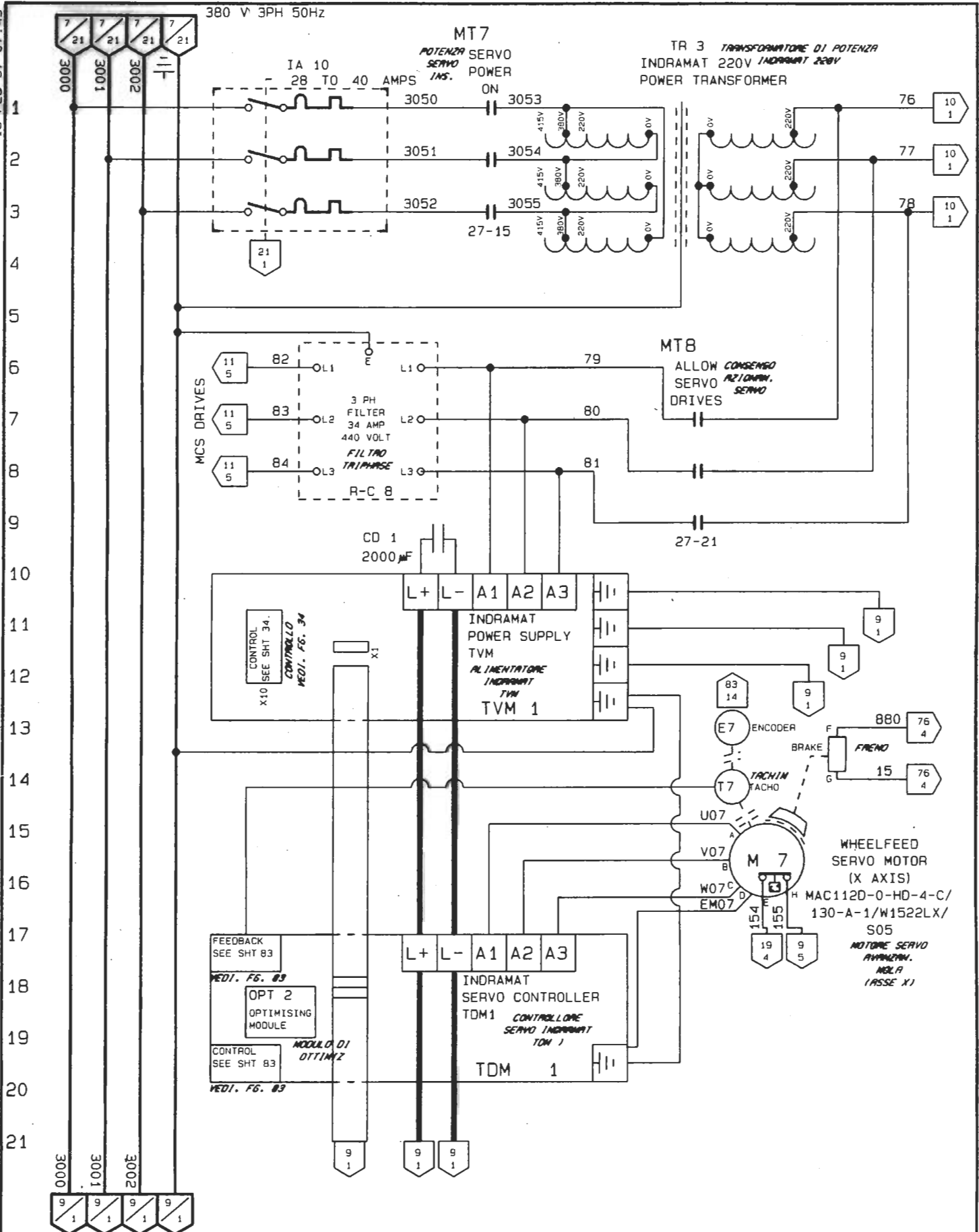
EY01512

MICROFILM

REF.ORG
EY01511SHEET
6SHEETS
160

380 V 3PH 50Hz

[illegible]



NAME	DATE	C.I.
KE	14-02-97	W/O 97662
KE	14-02-97	W/O 97112
KE	14-02-97	W/O 96950
KE	14-02-97	W/O 96607
KE	14-02-97	W/O 97833
KE	14-02-97	W/O 96059
KE	14-02-97	W/O 97668
KE	14-02-97	W/O 98083
KE	14-02-97	W/O 97644

TITLE

3 PHASE POWER WIRING.

ELETTRICO TRIFASE

M/C No 419-19

FMA

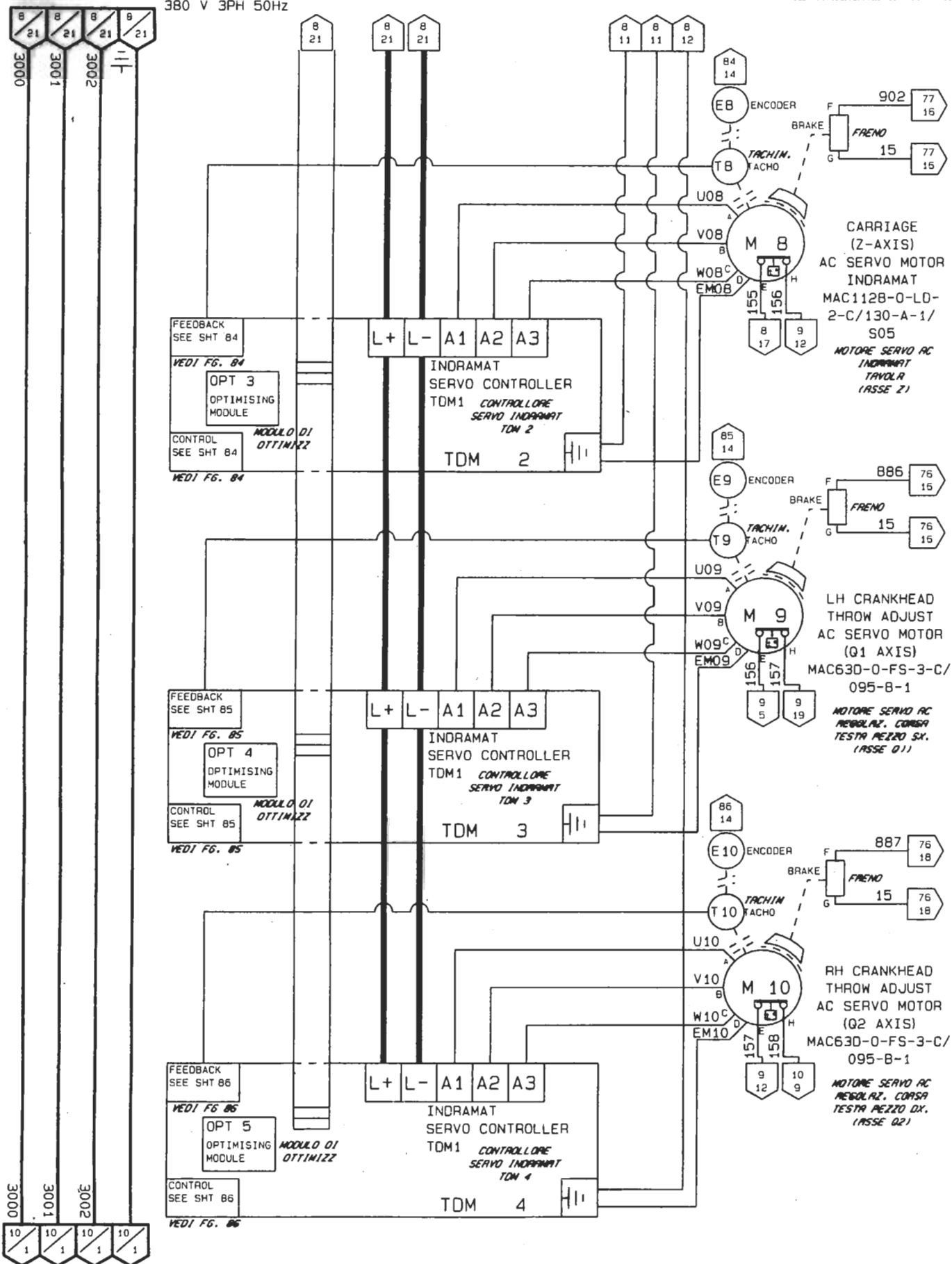
EY01512

MICROFILM

REF.ORG
EY01511SHEET
8SHEETS
160

18 FEB 97 07.49

380 V 3PH 50Hz

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21

DRAWN	KM	NAME	DATE	C.I.
CHECKED		CHANGES		
APPROVED				
LAYOUT APP'D				

TITLE

3 PHASE POWER WIRING.

ELETTRICO TRIFASE

M/C No 419-19

FMA

EY01512

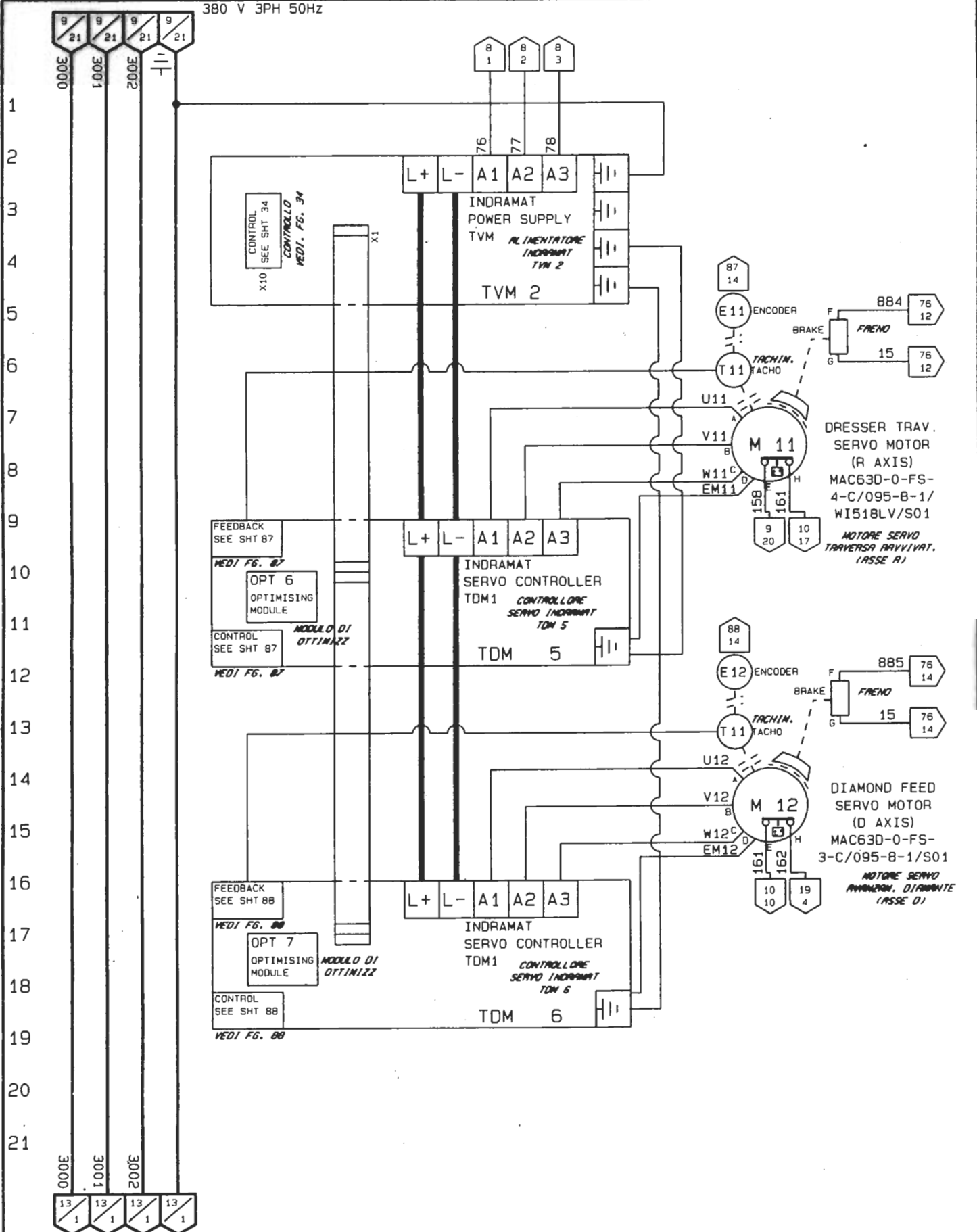
MICROFILM

REF.DRG
EY01511

SHEET
9

SHEETS
160

380 V 3PH 50Hz



DRAWN																				MICROFILM	
KM																				REF. ORG	
CHECKED																				EY01511	
APPROVED																				SHEET	
																				10	
LAYOUT APP'D																				SHEETS	
																				160	

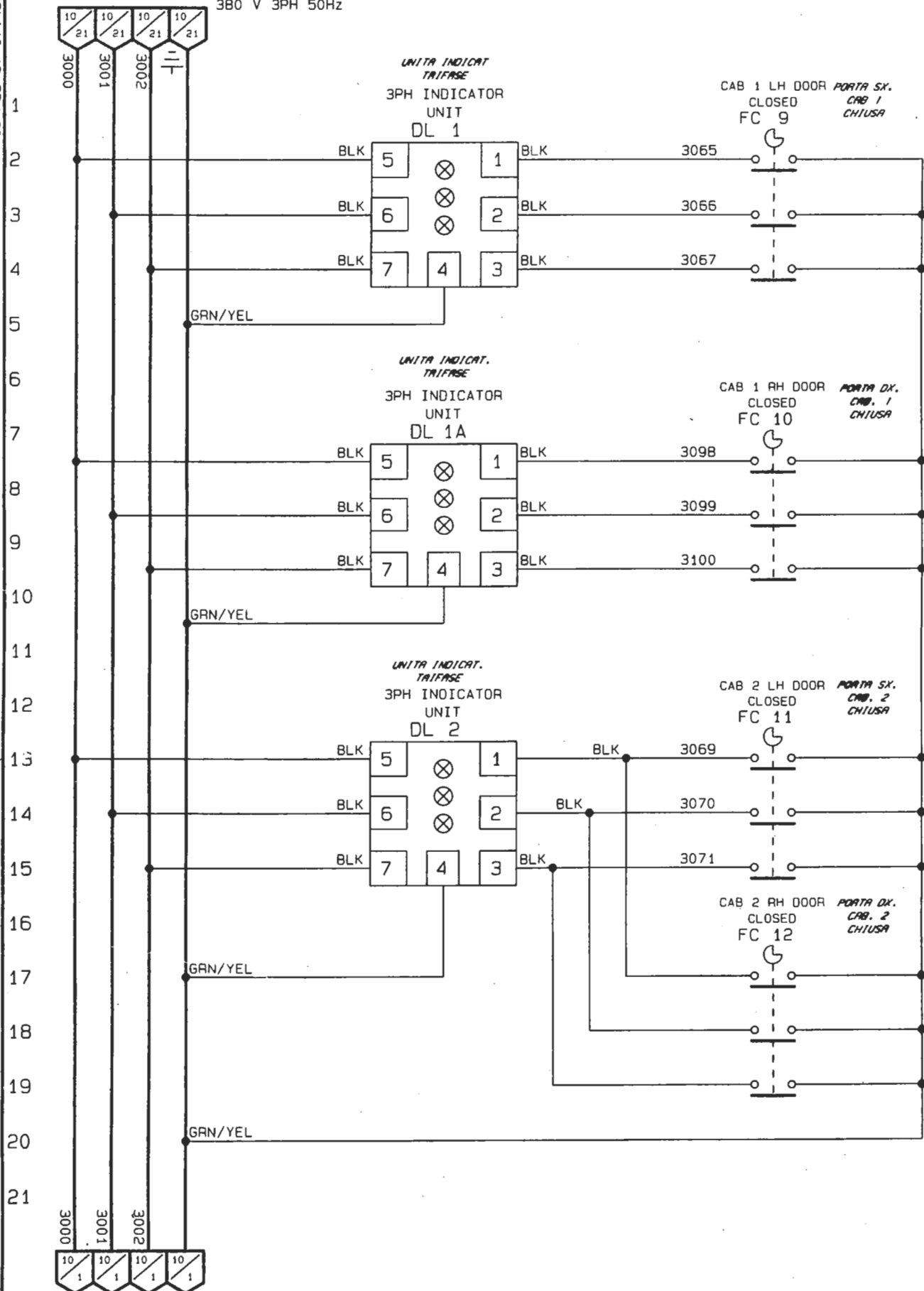
NAME			DATE			C.I.																				
KE	14-02-97	N/O 97666	KE	14-02-97	N/O 97113	KE	14-02-97	N/O 96950	KE	14-02-97	N/O 96607	KE	14-02-97	N/O 97933	KE	14-02-97	N/O 95859	KE	14-02-97	N/O 98083	KE	14-02-97	N/O 97968	KE	14-02-97	N/O 97624

TITLE	
3 PHASE POWER WIRING.	
ELECTRICO TRIFASE	
M/C No	419-19

FMA	
EY01512	

18 FEB 97 07.49

380 V 3PH 50Hz



DRAWN
KM

CHECKED

APPROVED

LAYOUT APP'D

NAME	DATE	CHANGES
KE	14-02-97	W/O 97642
KE	14-02-97	W/O 97112
KE	14-02-97	W/O 96950
KE	14-02-97	W/O 96507
KE	14-02-97	W/O 97833
KE	14-02-97	W/O 97866
KE	14-02-97	W/O 97644

TITLE

3 PHASE POWER WIRING.
ELECTRICO TRIFASE

M/C No 419-19

FMA

EY01512

MICROFILM

REF. ORG

EY01511

SHEET

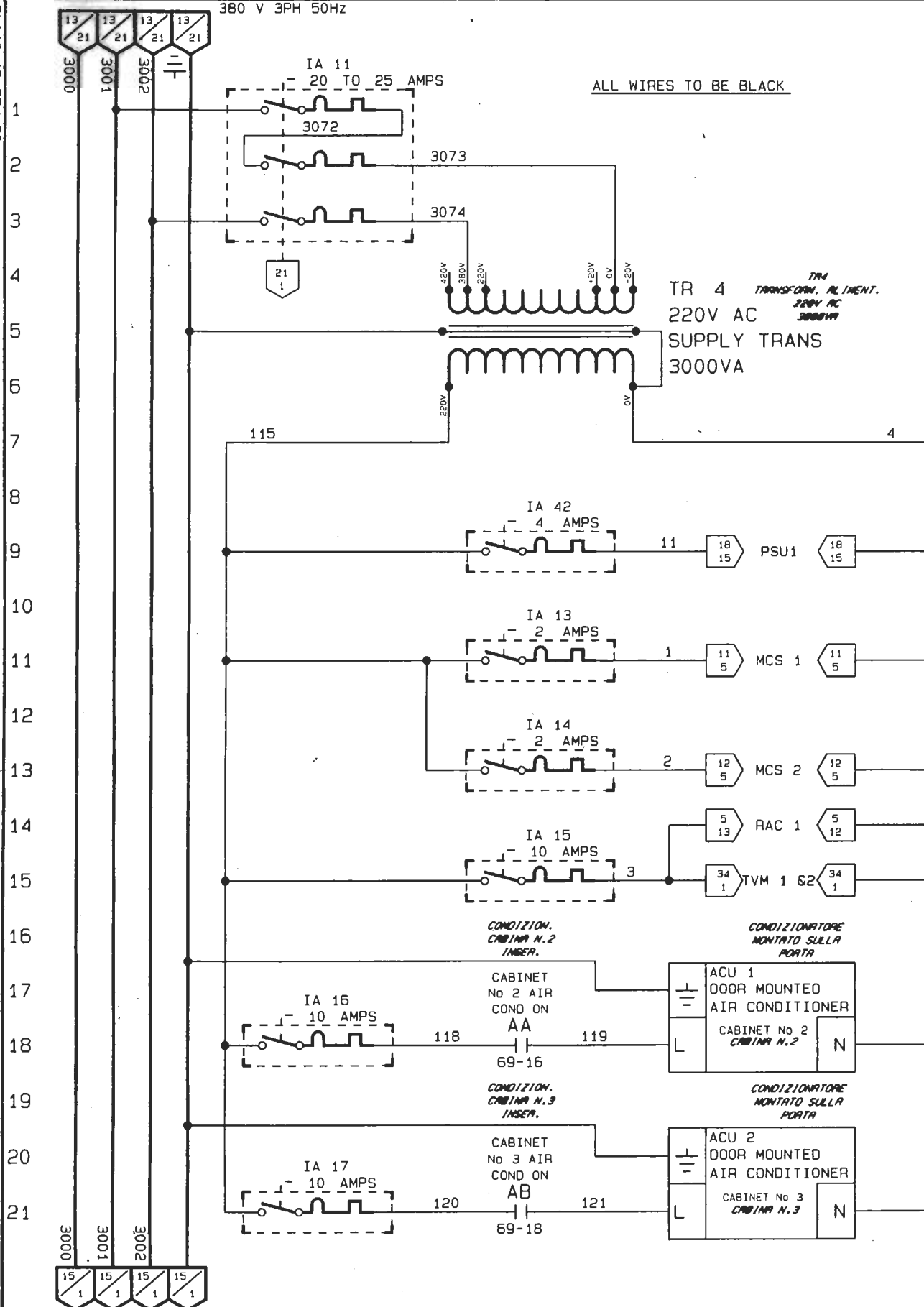
13

SHEETS

160

18 FEB 97 07.49

380 V 3PH 50Hz



ALL WIRES TO BE BLACK

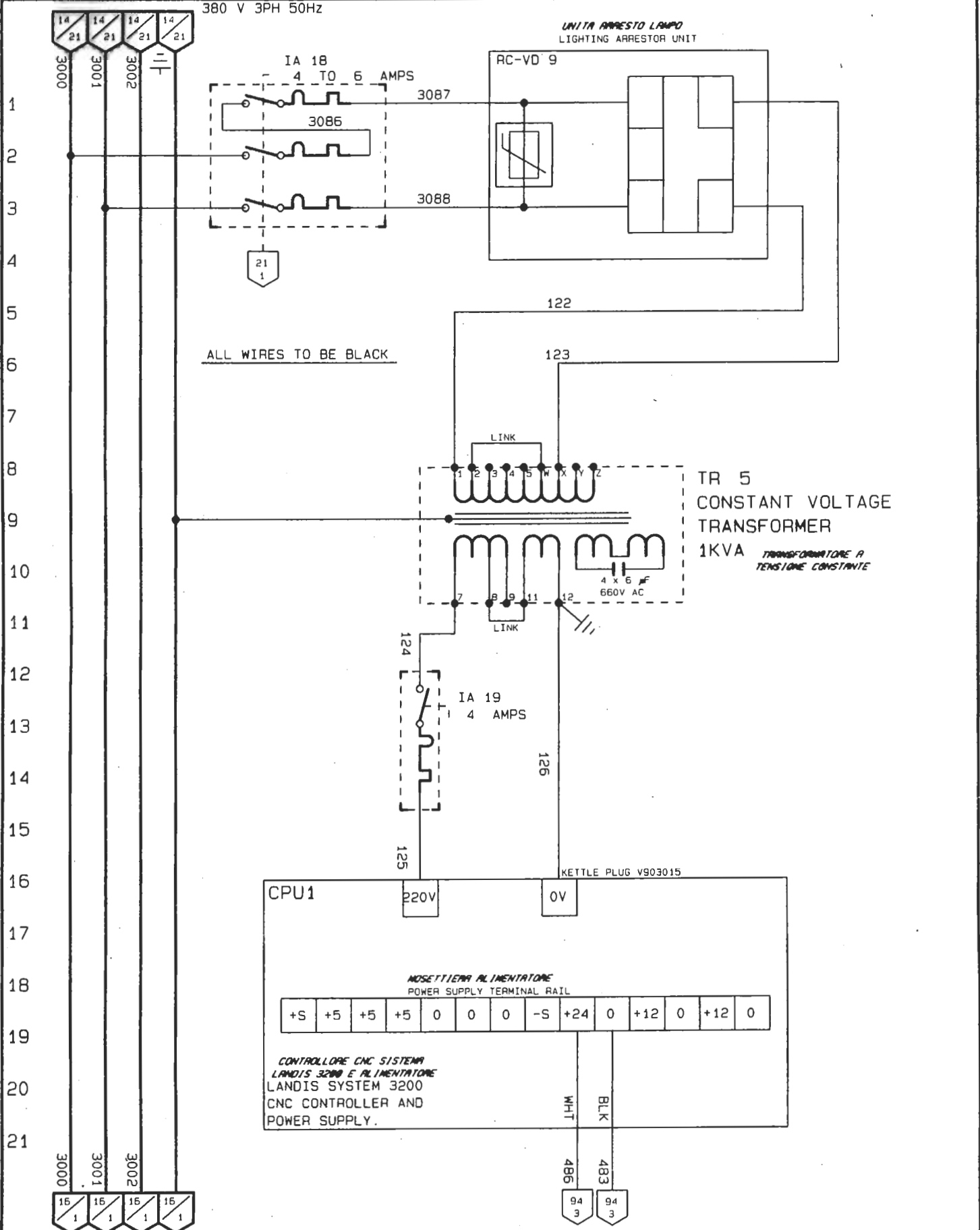
TR 4 TRANSFORM. ALIMENT.
220V AC
3000VA
SUPPLY TRANS

NAME	DATE	C.I.
KE	14-02-97	7/0 97662
KE	14-02-97	7/0 97112
KE	14-02-97	7/0 96950
KE	14-02-97	7/0 96607
KE	14-02-97	7/0 97833
KE	14-02-97	7/0 98093
KE	14-02-97	7/0 98658
KE	14-02-97	7/0 97868
KE	14-02-97	7/0 97644

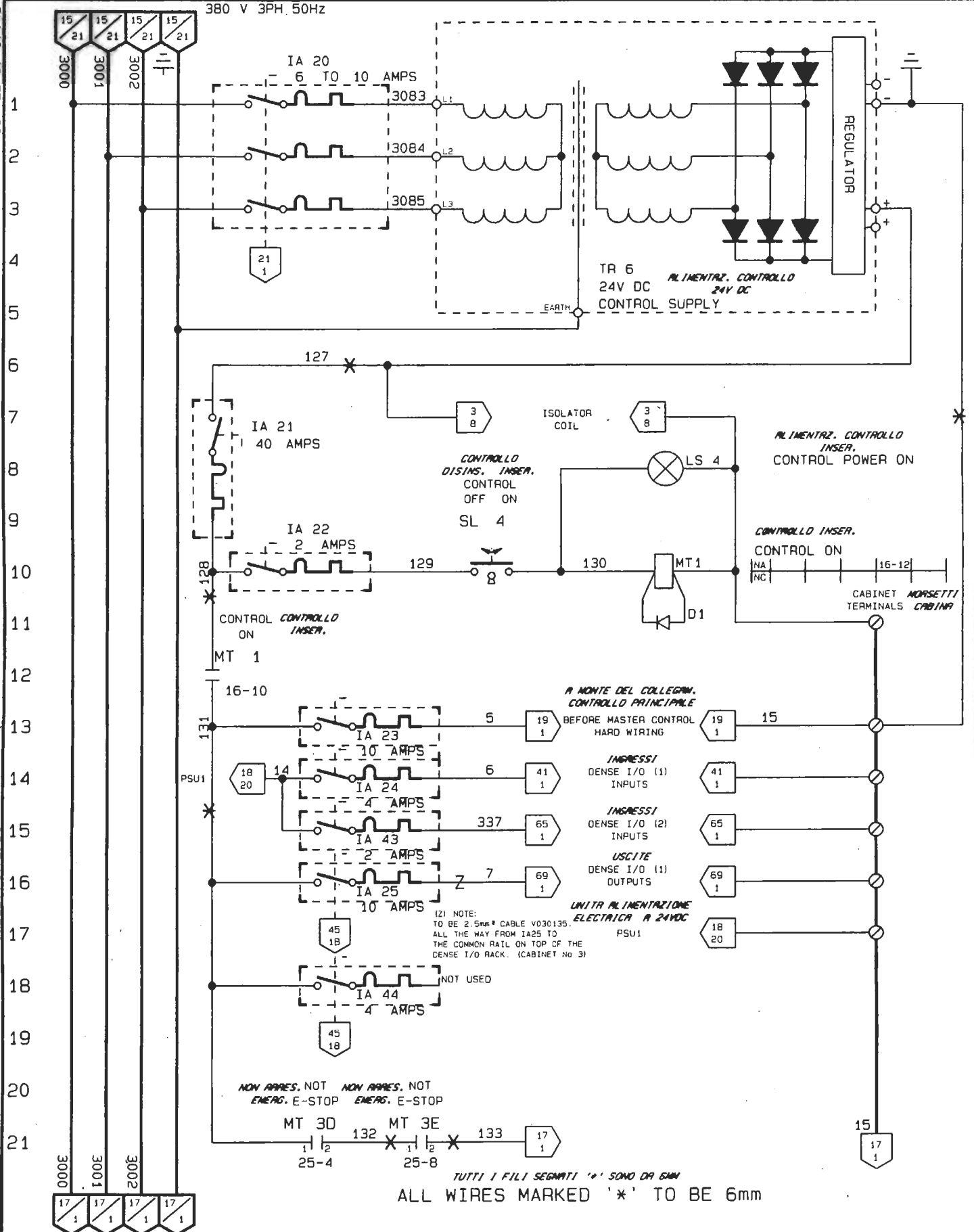
TITLE
3 PHASE POWER WIRING.
ELETTRICO TRIFASE
M/C No 419-19

FMA
EY01512
14.
160

MICROFILM
REF.ORG
EY01511
SHEET
14.
SHEETS
160

[illegible]

380 V 3PH 50Hz

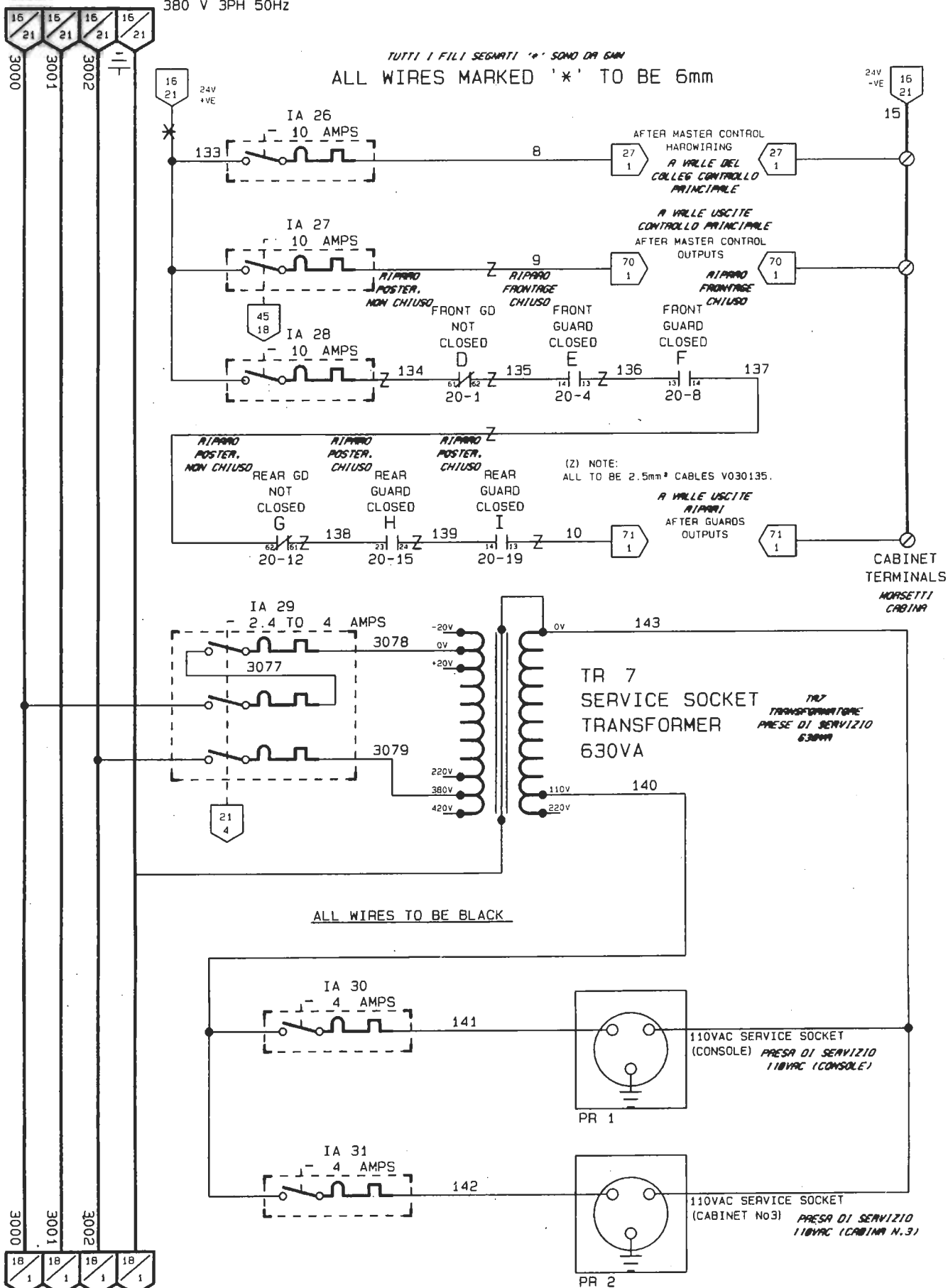


DRAWN	<table><tr><td>KM</td></tr><tr><td>CHECKED</td></tr><tr><td>APPROVED</td></tr><tr><td>LAYOUT APP'D</td></tr></table>	KM	CHECKED	APPROVED	LAYOUT APP'D	<table><tr><td>NAME</td><td>DATE</td><td>C.I.</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 97666</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 97111</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 96950</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 96600</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 97833</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 95850</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 96009</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 97660</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 97664</td></tr></table>	NAME	DATE	C.I.	KE	14-02-97	N/O 97666	KE	14-02-97	N/O 97111	KE	14-02-97	N/O 96950	KE	14-02-97	N/O 96600	KE	14-02-97	N/O 97833	KE	14-02-97	N/O 95850	KE	14-02-97	N/O 96009	KE	14-02-97	N/O 97660	KE	14-02-97	N/O 97664	<table><tr><td>TITLE</td></tr><tr><td>3 PHASE POWER WIRING.</td></tr><tr><td>ELECTRICO TRIFASE</td></tr><tr><td>M/C No 419-19</td></tr></table>	TITLE	3 PHASE POWER WIRING.	ELECTRICO TRIFASE	M/C No 419-19	<table><tr><td></td></tr><tr><td>EY01512</td></tr></table>		EY01512	MICROFILM
KM																																													
CHECKED																																													
APPROVED																																													
LAYOUT APP'D																																													
NAME	DATE	C.I.																																											
KE	14-02-97	N/O 97666																																											
KE	14-02-97	N/O 97111																																											
KE	14-02-97	N/O 96950																																											
KE	14-02-97	N/O 96600																																											
KE	14-02-97	N/O 97833																																											
KE	14-02-97	N/O 95850																																											
KE	14-02-97	N/O 96009																																											
KE	14-02-97	N/O 97660																																											
KE	14-02-97	N/O 97664																																											
TITLE																																													
3 PHASE POWER WIRING.																																													
ELECTRICO TRIFASE																																													
M/C No 419-19																																													
																																													
EY01512																																													
	REF. ORG																																												
	EY01511																																												
	SHEET																																												
	16																																												
	SHEETS																																												
	160																																												

380 V 3PH 50Hz

TUTTI I FILI SEGNATI '*' SONO DA SANV

ALL WIRES MARKED '*' TO BE 6mm



DRAWN		CHECKED		APPROVED		LAYOUT APP'D		UNIFORMS	
NAME	DATE	C.I.							
KE	14-02-97	0/0 976662							
KE	14-02-97	0/0 971212							
KE	14-02-97	0/0 969590							
KE	14-02-97	0/0 96807							
KE	14-02-97	0/0 978333							
KE	14-02-97	0/0 955958							
KE	14-02-97	0/0 980803							
KE	14-02-97	0/0 978660							
KE	14-02-97	0/0 976444							

TITLE

3 PHASE POWER WIRING.

ELECTRICO TRIFASE

M/C No 419-19

FMA	MICROFILM
	REF.ORG EY01511
EY01512	SHEET 17
	SHEETS 160

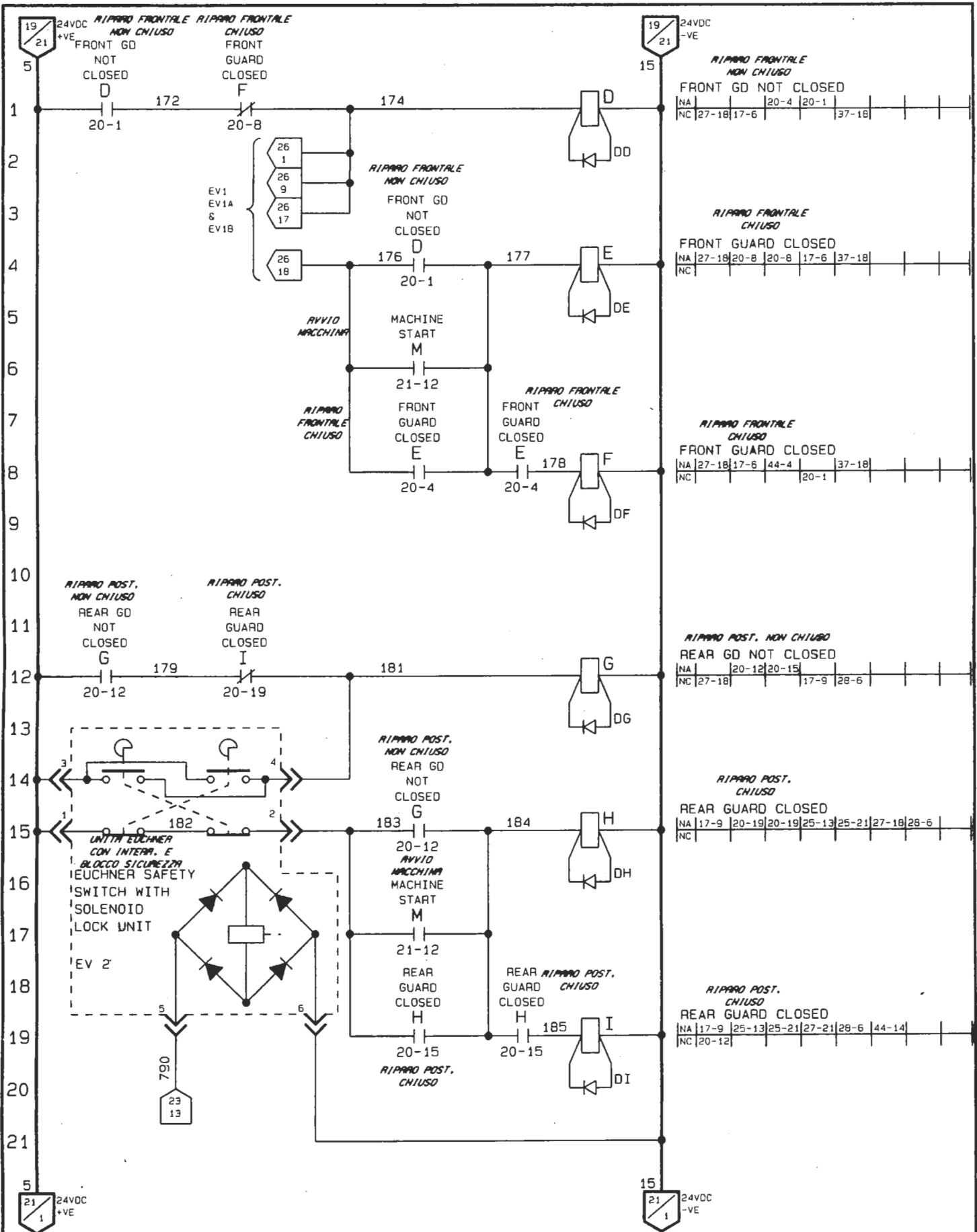


DRAWN							TITLE	MICROFILM
KM								
CHECKED								REF. ORG
								EY01511
APPROVED								SHEET
								18
LAYOUT APP'D							M/C No 419-19	SHEETS
								160

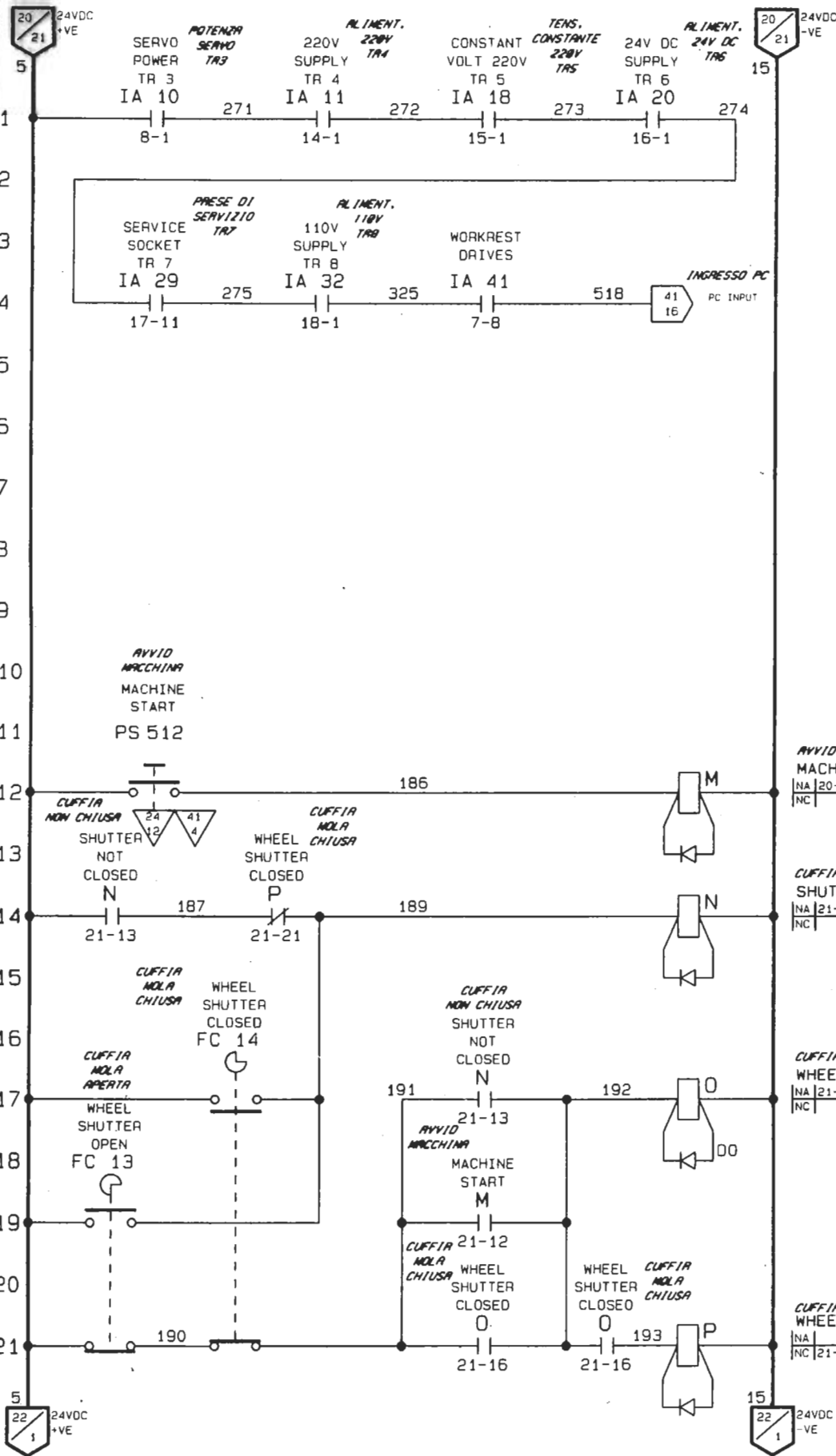
FMA		
EY01512		

FMA	MICROFILM
	REF. ORG EY01511
EY01512	SHEET 19
	SHEETS 160

18 FEB 97 07.49



DRAWN KM		CHECKED		APPROVED		LAYOUT APP'D		NAME		DATE		CHANGES		TITLE		MICROFILM	
								KE		14-02-97		N/O 97666		RELAY SCHEMATIC.		REF. ORG	
								KE		14-02-97		N/O 97111		SCHEMI ELETTRICI RELE'		EY01511	
								KE		14-02-97		N/O 98950				SHEET	
								KE		14-02-97		N/O 98607				20	
								KE		14-02-97		N/O 98959				SHEETS	
								KE		14-02-97		N/O 97833				160	
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97833					
								KE		14-02-97		N/O 97644					
								KE		14-02-97		N/O 98083					
								KE		14-02-97		N/O 98959					
								KE		14-02-97		N/O 97662					
								KE		14-02-97		N/O 97111					
								KE		14-02-97		N/O 98950					
								KE		14-02-97		N/O 98607					
								KE		14-02-97		N/O 98959					
								KE		14-02-97							



DRAWN
KM
CHECKED
APPROVED
LAYOUT APP'D

CHANGES		
NAME	DATE	C...

TITLE

RELAY SCHEMATIC.
'SCHEMI ELETTRICI RELÉ'

M/C No 419-19

FMA

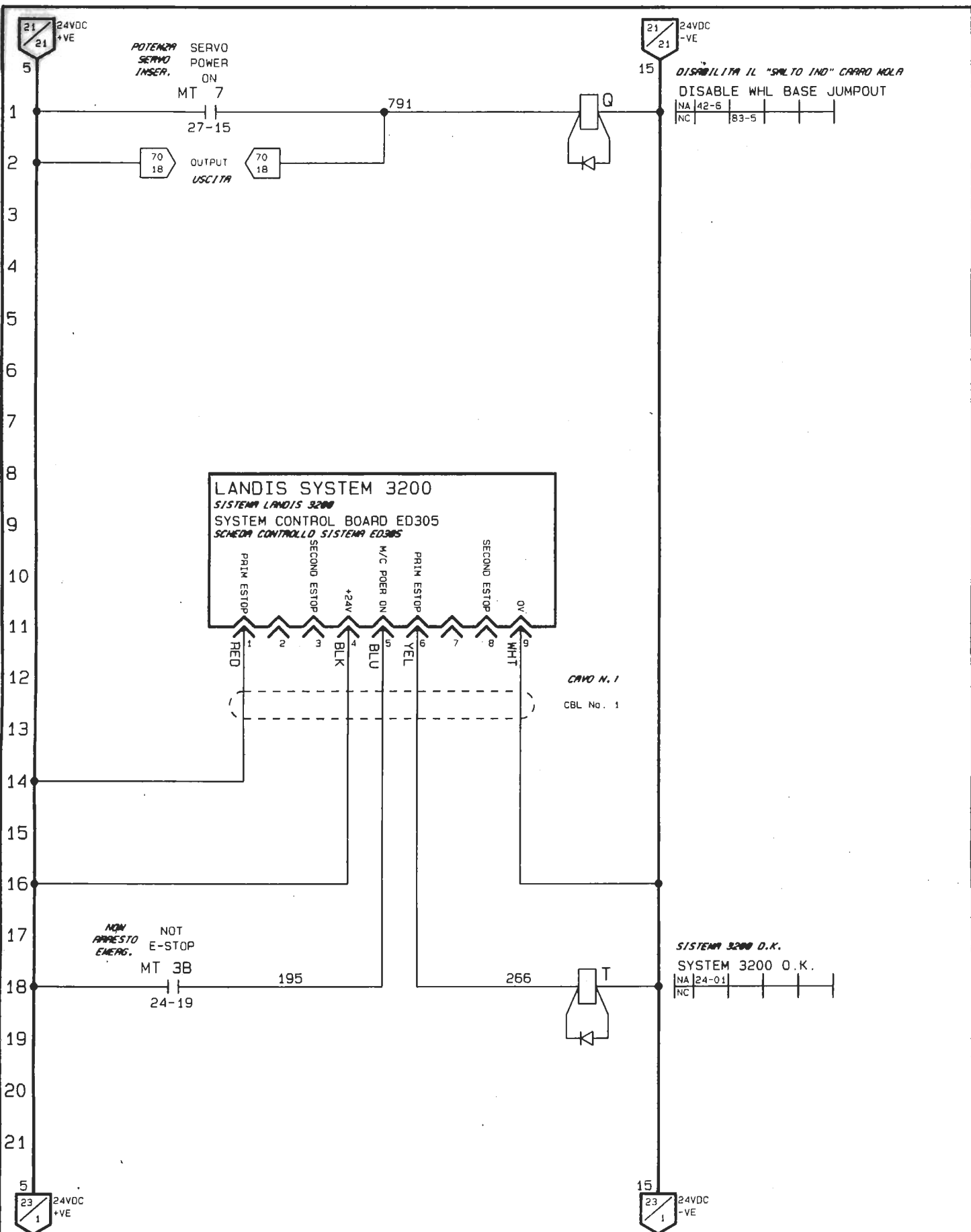
EY01512

MICROFILM

REF.DRG
EY01511

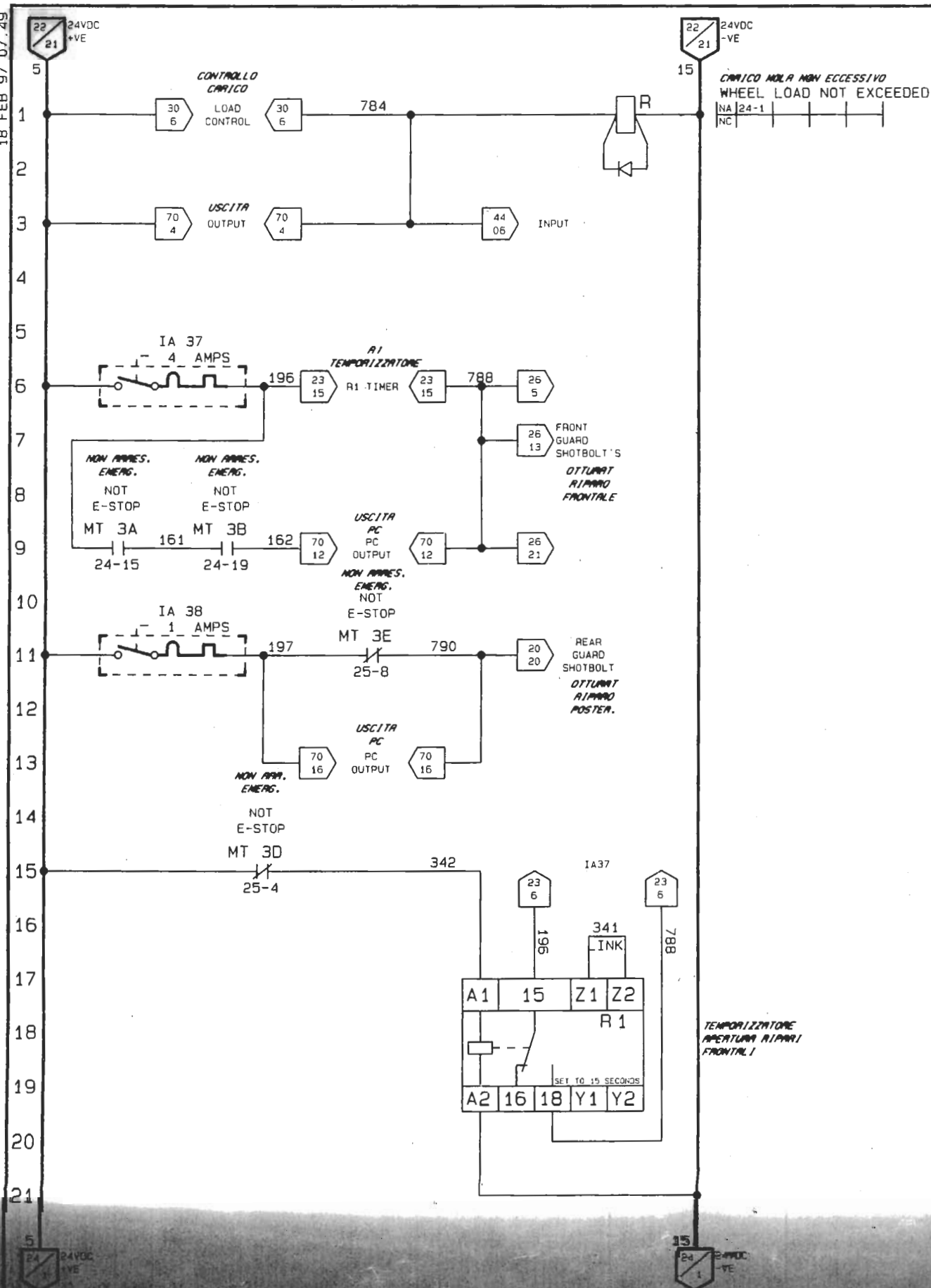
SHEET	21
SHEETS	160

18 FEB 97 07:49



DRAWN			TITLE			MICROFILM		
KM			RELAY SCHEMATIC.					
CHECKED								
APPROVED			SCHEMATIC ELECTRICAL RELE'			REF. ORG.		
LAYOUT APP'D						EY01512		
CHANGES			M/C No 419-19			SHEET		
NAME	DATE	C.I.				22		
KE	14-02-97	W/O 978662				SHEETS		
KE	14-02-97	W/O 97112				160		
KE	14-02-97	W/O 96950						
KE	14-02-97	W/O 96607						
KE	14-02-97	W/O 97833						
KE	14-02-97	W/O 95859						
KE	14-02-97	W/O 96083						
KE	14-02-97	W/O 97866						
KE	14-02-97	W/O 97444						

18 FEB 97 07 49



RELAY SCHEMATIC

SCHEMI ELETTRICI RELÉ

M/C No 419-19

FMA

EY01512

MICROFILM

REF. DES.

EY01511

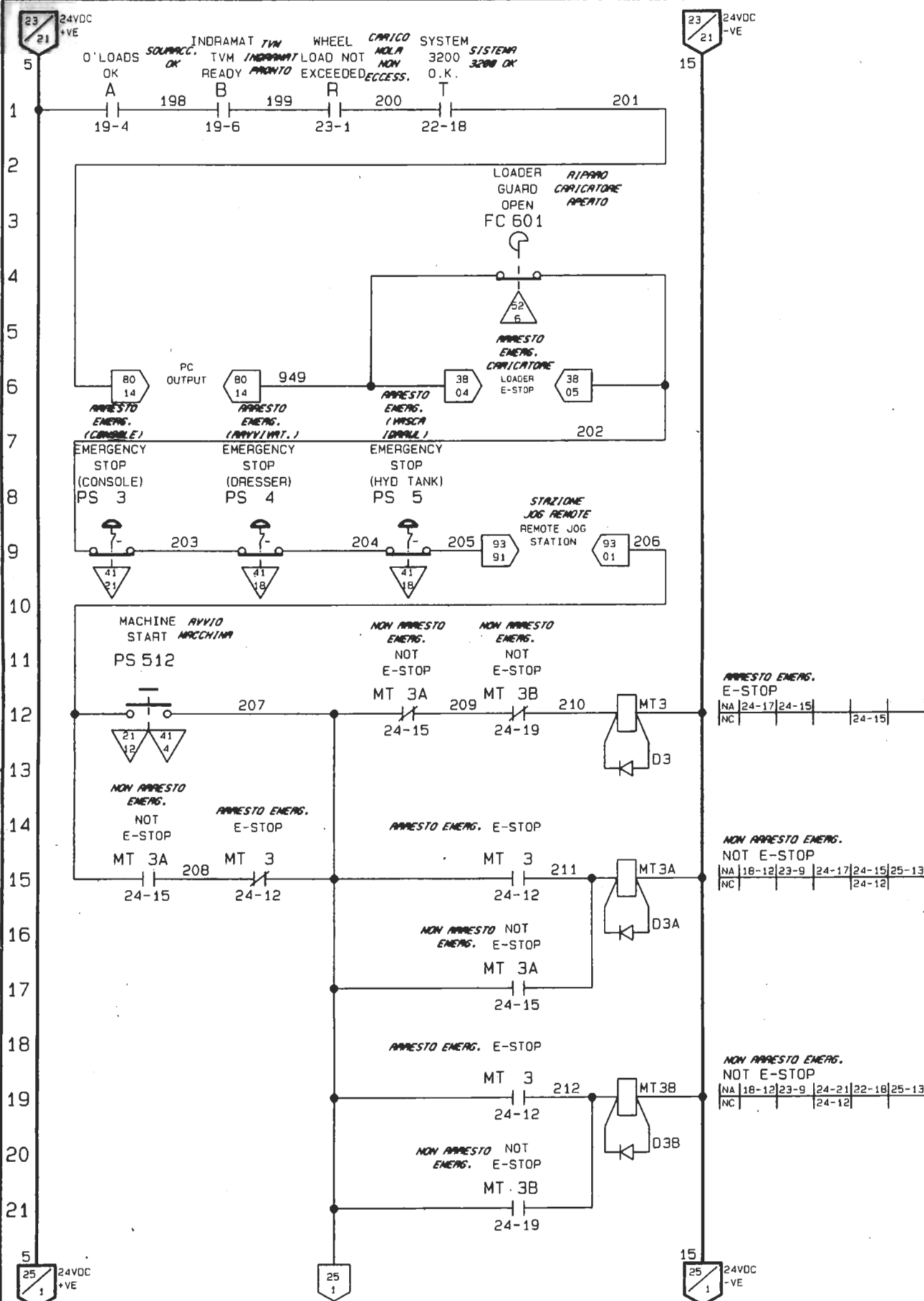
SHEET

23

SHEETS

160

18 FEB 97 07 49



DRAWN	KM	NAME	DATE	C. I.
CHECKED		NAME	DATE	C. I.
APPROVED		NAME	DATE	C. I.
LAYOUT APP'D		NAME	DATE	C. I.

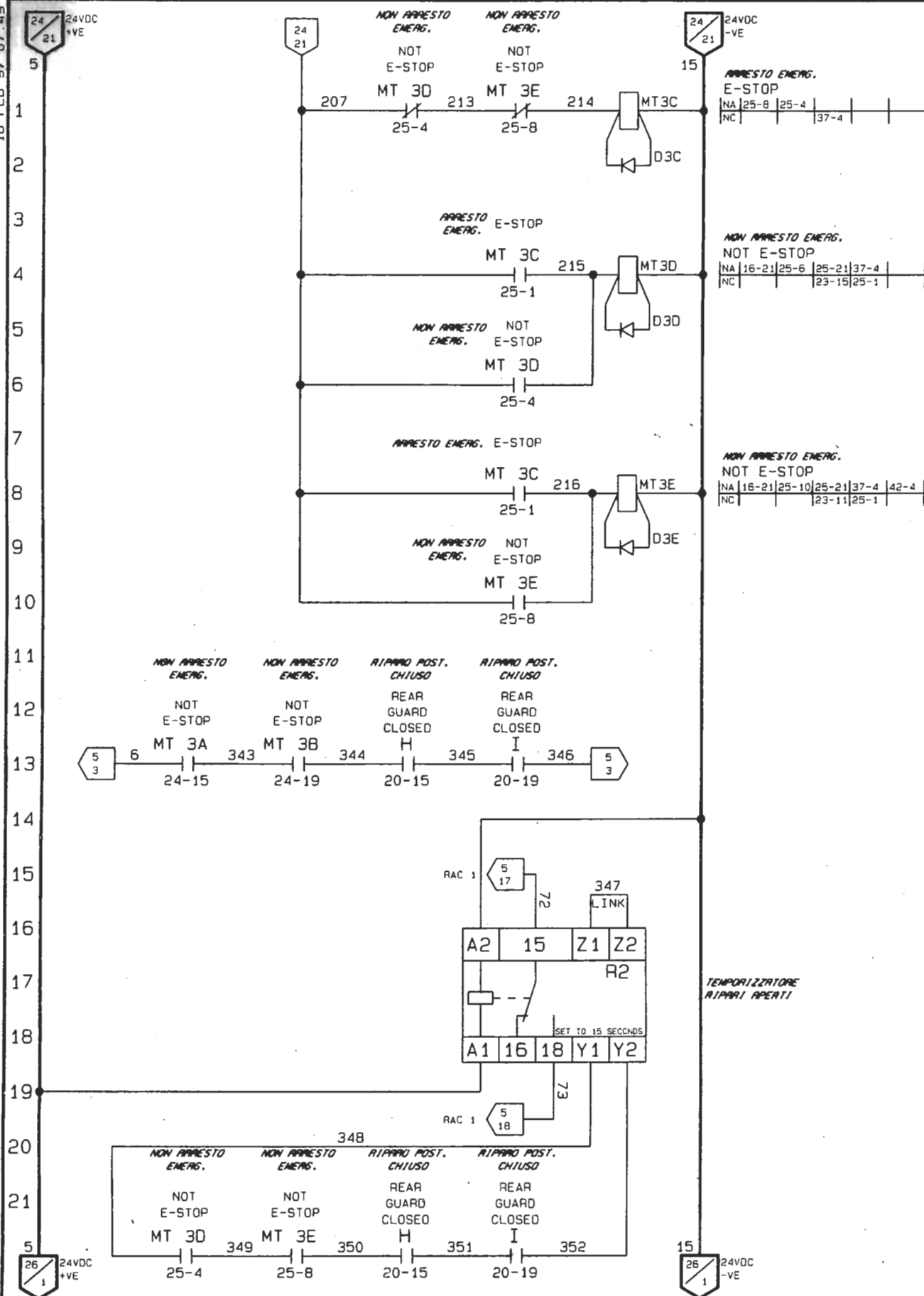
TITLE	RELAY SCHEMATIC.
	SCHEMI ELETTRICI RELE'
M/C No	419-19

FMA

EY01512

MICROFILM	REF. ORG
	EY01511
SHEET	24
SHEETS	160

18 FEB 97 07.49



DRAWN
KM

CHECKED

APPROVED

LAYOUT APP'D

NAME	DATE	CHANGES
KE	14-02-97	1/0 97062
KE	14-02-97	1/0 97112
KE	14-02-97	1/0 96950
KE	14-02-97	1/0 96607
KE	14-02-97	1/0 97833
KE	14-02-97	1/0 97858
KE	14-02-97	1/0 96093
KE	14-02-97	1/0 97860
KE	14-02-97	1/0 97644

TITLE

RELAY SCHEMATIC.
SCHEMI ELETTRICI RELE'

M/C No 419-19

FMA

EY01512

MICROFILM

REF. DRG

EY01511

SHEET

25

SHEETS

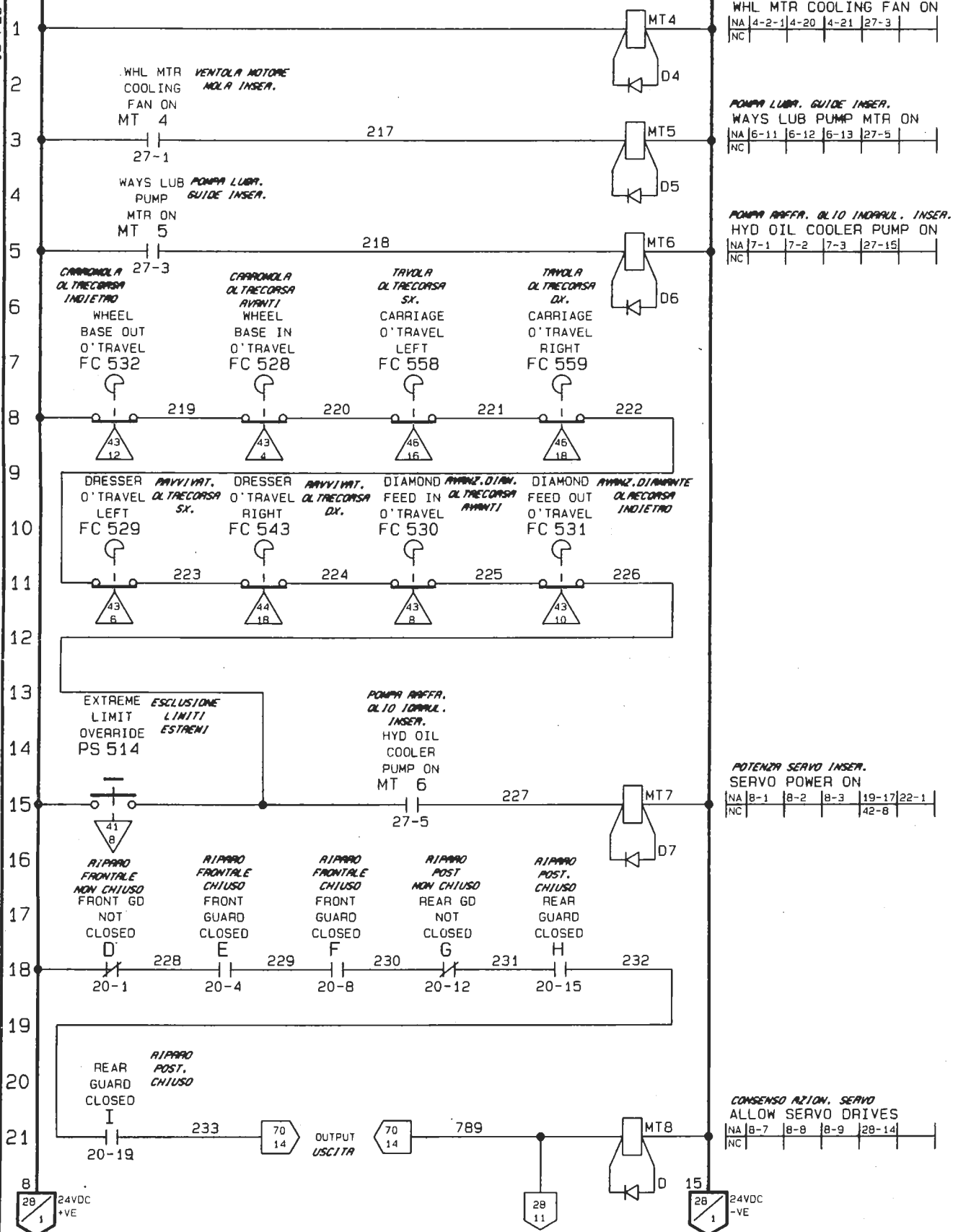
160

DRAWN KM			FMA			MICROFILM																													
CHECKED						REF. TAG EY01511																													
APPROVED						SHEET 26																													
LAYOUT APP'D						SHEETS 160																													
			CHANGES <table><thead><tr><th>NAME</th><th>DATE</th><th>C.I.</th></tr></thead><tbody><tr><td>KE</td><td>14-02-97</td><td>N/O 970666</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 971112</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 969505</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 966007</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 970333</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 950505</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 980808</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 970606</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 970404</td></tr></tbody></table>			NAME	DATE	C.I.	KE	14-02-97	N/O 970666	KE	14-02-97	N/O 971112	KE	14-02-97	N/O 969505	KE	14-02-97	N/O 966007	KE	14-02-97	N/O 970333	KE	14-02-97	N/O 950505	KE	14-02-97	N/O 980808	KE	14-02-97	N/O 970606	KE	14-02-97	N/O 970404
NAME	DATE	C.I.																																	
KE	14-02-97	N/O 970666																																	
KE	14-02-97	N/O 971112																																	
KE	14-02-97	N/O 969505																																	
KE	14-02-97	N/O 966007																																	
KE	14-02-97	N/O 970333																																	
KE	14-02-97	N/O 950505																																	
KE	14-02-97	N/O 980808																																	
KE	14-02-97	N/O 970606																																	
KE	14-02-97	N/O 970404																																	
			TITLE RELAY SCHEMATIC. SCHEM1 ELECTRIC1 RELE' M/C No 419-19																																



17 24VDC
+VE

17/2 24VDC
-VE



				CHANGES	
NAME	DATE	C.I.			
KE	14-02-97	W/O 97665			
KE	14-02-97	W/O 97111			
KE	14-02-97	W/O 96956			
KE	14-02-97	W/O 96260			
KE	14-02-97	W/O 97833			
KE	14-02-97	W/O 95856			
KE	14-02-97	W/O 98083			
KE	14-02-97	W/O 97666			
KE	14-02-97	W/O 97644			

TITLE	DATE	TIME	LOCATION	STATUS
1. [REDACTED]	10/10/2010	14:00	101	Completed
2. [REDACTED]	10/10/2010	15:00	101	Completed
3. [REDACTED]	10/10/2010	16:00	101	Completed
4. [REDACTED]	10/10/2010	17:00	101	Completed
5. [REDACTED]	10/10/2010	18:00	101	Completed
6. [REDACTED]	10/10/2010	19:00	101	Completed
7. [REDACTED]	10/10/2010	20:00	101	Completed
8. [REDACTED]	10/10/2010	21:00	101	Completed
9. [REDACTED]	10/10/2010	22:00	101	Completed
10. [REDACTED]	10/10/2010	23:00	101	Completed
11. [REDACTED]	10/10/2010	00:00	101	Completed
12. [REDACTED]	10/10/2010	01:00	101	Completed
13. [REDACTED]	10/10/2010	02:00	101	Completed
14. [REDACTED]	10/10/2010	03:00	101	Completed
15. [REDACTED]	10/10/2010	04:00	101	Completed
16. [REDACTED]	10/10/2010	05:00	101	Completed
17. [REDACTED]	10/10/2010	06:00	101	Completed
18. [REDACTED]	10/10/2010	07:00	101	Completed
19. [REDACTED]	10/10/2010	08:00	101	Completed
20. [REDACTED]	10/10/2010	09:00	101	Completed
21. [REDACTED]	10/10/2010	10:00	101	Completed
22. [REDACTED]	10/10/2010	11:00	101	Completed
23. [REDACTED]	10/10/2010	12:00	101	Completed
24. [REDACTED]	10/10/2010	13:00	101	Completed
25. [REDACTED]	10/10/2010	14:00	101	Completed
26. [REDACTED]	10/10/2010	15:00	101	Completed
27. [REDACTED]	10/10/2010	16:00	101	Completed
28. [REDACTED]	10/10/2010	17:00	101	Completed
29. [REDACTED]	10/10/2010	18:00	101	Completed
30. [REDACTED]	10/10/2010	19:00	101	Completed
31. [REDACTED]	10/10/2010	20:00	101	Completed
32. [REDACTED]	10/10/2010	21:00	101	Completed
33. [REDACTED]	10/10/2010	22:00	101	Completed
34. [REDACTED]	10/10/2010	23:00	101	Completed
35. [REDACTED]	10/10/2010	00:00	101	Completed
36. [REDACTED]	10/10/2010	01:00	101	Completed
37. [REDACTED]	10/10/2010	02:00	101	Completed
38. [REDACTED]	10/10/2010	03:00	101	Completed
39. [REDACTED]	10/10/2010	04:00	101	Completed
40. [REDACTED]	10/10/2010	05:00	101	Completed
41. [REDACTED]	10/10/2010	06:00	101	Completed
42. [REDACTED]	10/10/2010	07:00	101	Completed
43. [REDACTED]	10/10/2010	08:00	101	Completed
44. [REDACTED]	10/10/2010	09:00	101	Completed
45. [REDACTED]	10/10/2010	10:00	101	Completed
46. [REDACTED]	10/10/2010	11:00	101	Completed
47. [REDACTED]	10/10/2010	12:00	101	Completed
48. [REDACTED]	10/10/2010	13:00	101	Completed
49. [REDACTED]	10/10/2010	14:00	101	Completed
50. [REDACTED]	10/10/2010	15:00	101	Completed
51. [REDACTED]	10/10/2010	16:00	101	Completed
52. [REDACTED]	10/10/2010	17:00	101	Completed
53. [REDACTED]	10/10/2010	18:00	101	Completed
54. [REDACTED]	10/10/2010	19:00	101	Completed
55. [REDACTED]	10/10/2010	20:00	101	Completed
56. [REDACTED]	10/10/2010	21:00	101	Completed
57. [REDACTED]	10/10/2010	22:00	101	Completed
58. [REDACTED]	10/10/2010	23:00	101	Completed
59. [REDACTED]	10/10/2010	00:00	101	Completed
60. [REDACTED]	10/10/2010	01:00	101	Completed
61. [REDACTED]	10/10/2010	02:00	101	Completed
62. [REDACTED]	10/10/2010	03:00	101	Completed
63. [REDACTED]	10/10/2010	04:00	101	Completed
64. [REDACTED]				

RELAY SCHEMATIC.

SCHEMI ELETTRICI RELE'

M/C No 419-19

FMA

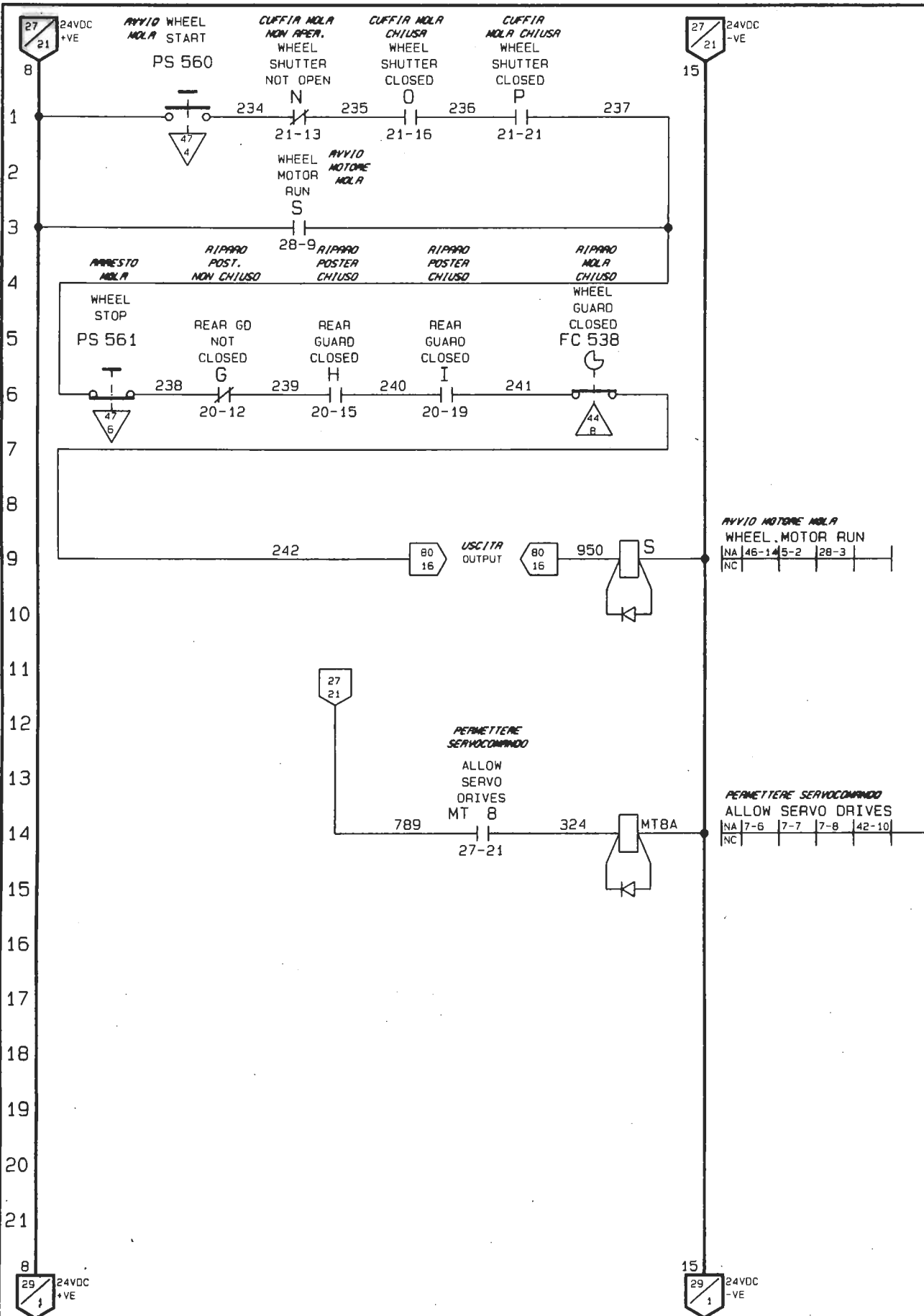
EY01512

MICROFILM

REF. DRG
EY01511

SHEET	27
SHEETS	160

18 FEB 97 07.49



DRAWN	NAME	DATE	CHANGES
KM	NAME	DATE	C.I.
CHECKED	NAME	DATE	C.I.
APPROVED	NAME	DATE	C.I.
LAYOUT APP'D	NAME	DATE	C.I.

TITLE
 RELAY SCHEMATIC.
 SCHEMI ELETTRICI RELE'

M/C No 419-19

FMA

EY01512

MICROFILM
 REF. ORG
 EY01511
 SHEET
 28
 SHEETS
 160

18 FEB 97 07.49

27 24VDC
21 +VE

8

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

8

27 24VDC
21 -VE

15

15

DRAWN	KM
CHECKED	
APPROVED	
LAYOUT APP'D	

NAME	DATE	C.I.
KE	14-02-97	W/O 97662
KE	14-02-97	W/O 97112
KE	14-02-97	W/O 96950
KE	14-02-97	W/O 96607
KE	14-02-97	W/O 97833
KE	14-02-97	W/O 95858
KE	14-02-97	W/O 98093
KE	14-02-97	W/O 97858
KE	14-02-97	W/O 97644

TITLE

RELAY SCHEMATIC.
' SCHEMI ELECTRICI RELE '

M/C No 419-19

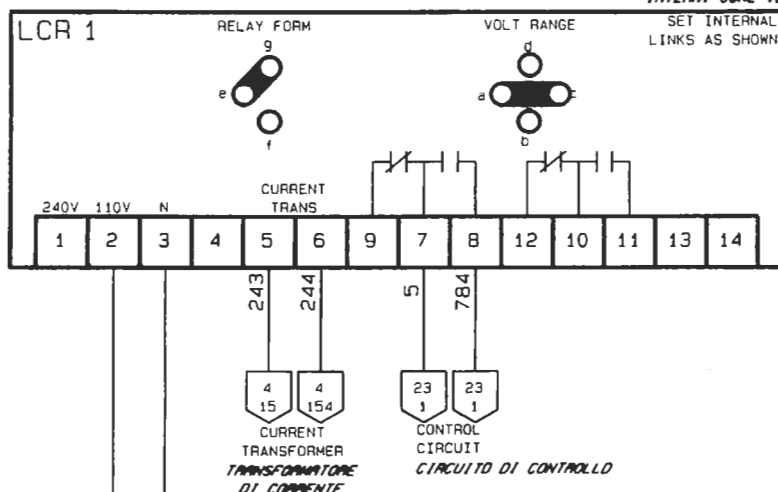
FMA

EY01512

MICROFILM
REF.DRG EY01511
SHEET 29
SHEETS 160

18 FEB 97 07.49

110 V 1PH 50Hz

COLLEGA CONTATTI
INTERNI COME VEDI

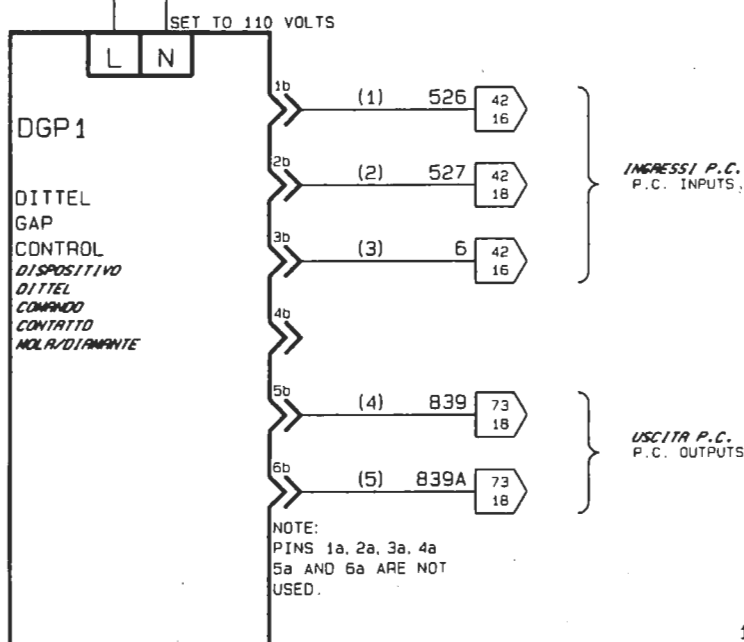
DR 1

CRISTIE

DATA RECORDER

REGISTRATORE DATI
CRISTIE

L N



IF FITTED

DRAWN
KM

CHECKED

APPROVED

LAYOUT APP'D

NAME	DATE	C.I.
KE	14-02-97	N/O 97562
KE	14-02-97	N/O 97112
KE	14-02-97	N/O 96950
KE	14-02-97	N/O 96807
KE	14-02-97	N/O 97833
KE	14-02-97	N/O 95858
KE	14-02-97	N/O 96093
KE	14-02-97	N/O 97544

TITLE

RELAY SCHEMATIC.

SCHEMI ELETTRICI RELE'

M/C No 419-19

FMA

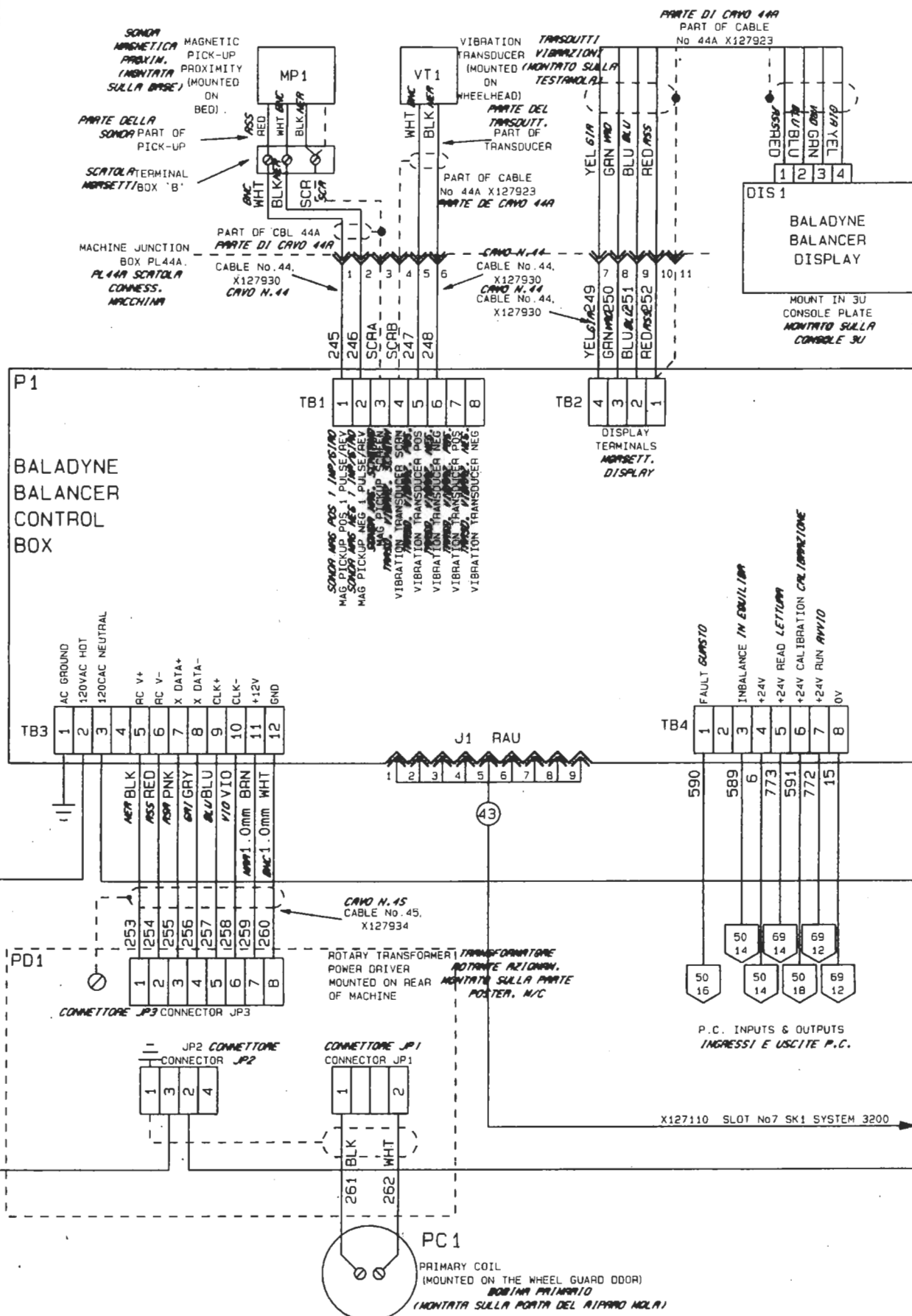
EY01512

MICROFILM

REF. DRG
EY01511

SHEET
30

SHEETS
160



DRAWN
KM

CHECKED

APPROVED

LAYOUT APP'D

NAME	DATE	CHANGES
KE	14-02-97	1
KE	14-02-97	2
KE	14-02-97	3
KE	14-02-97	4
KE	14-02-97	5
KE	14-02-97	6
KE	14-02-97	7
KE	14-02-97	8
KE	14-02-97	9
KE	14-02-97	10
KE	14-02-97	11
KE	14-02-97	12
KE	14-02-97	13
KE	14-02-97	14
KE	14-02-97	15
KE	14-02-97	16
KE	14-02-97	17
KE	14-02-97	18
KE	14-02-97	19
KE	14-02-97	20
KE	14-02-97	21
KE	14-02-97	22
KE	14-02-97	23
KE	14-02-97	24
KE	14-02-97	25
KE	14-02-97	26
KE	14-02-97	27
KE	14-02-97	28
KE	14-02-97	29
KE	14-02-97	30
KE	14-02-97	31
KE	14-02-97	32

TITLE

RELAY SCHEMATIC.

SCHEMI ELETTRICI RELE'

M/C No 419-19

FMA

EY01512

MICROFILM

REF.ORG

EY01511

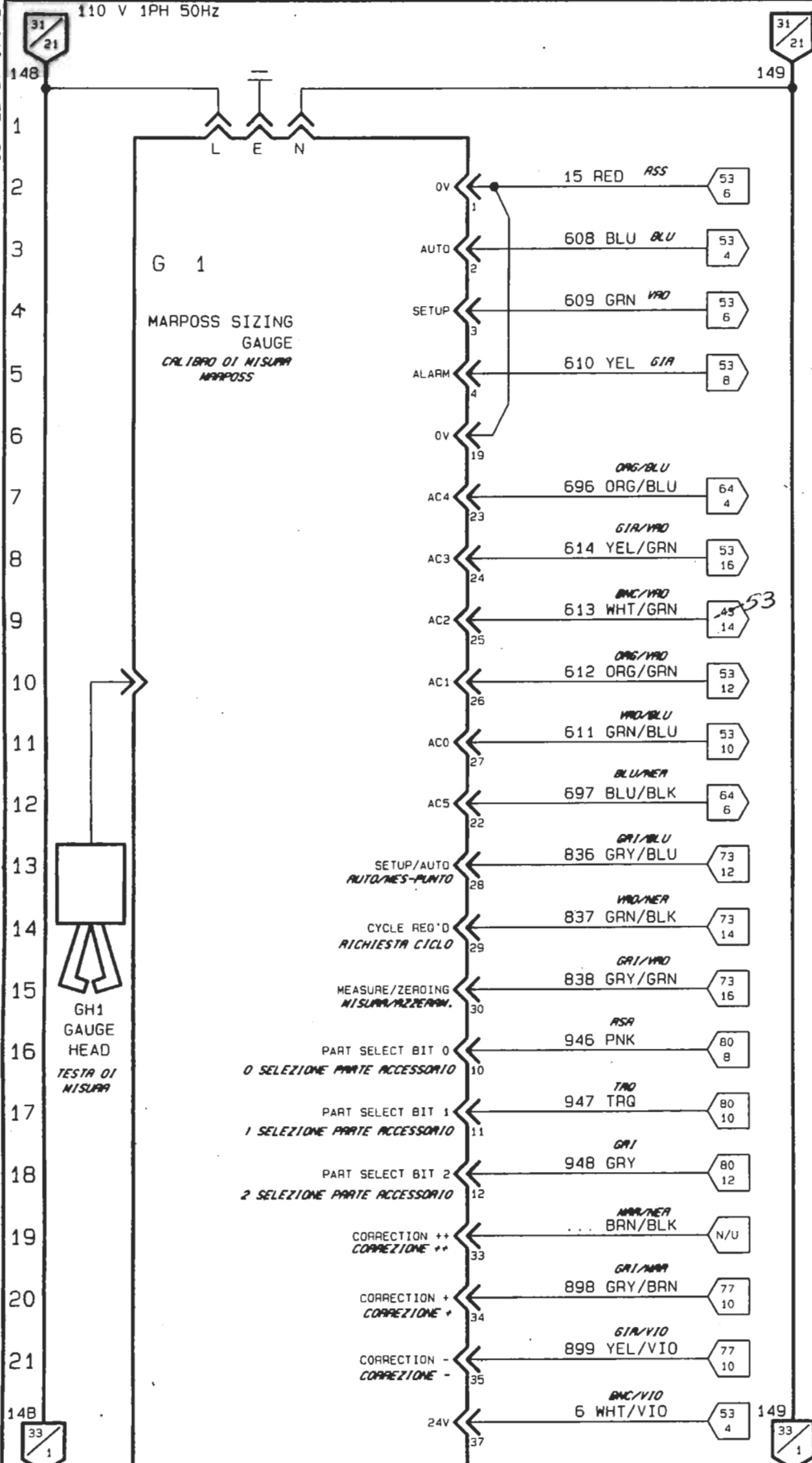
SHEET

31

SHEETS

160

110 V 1PH 50Hz

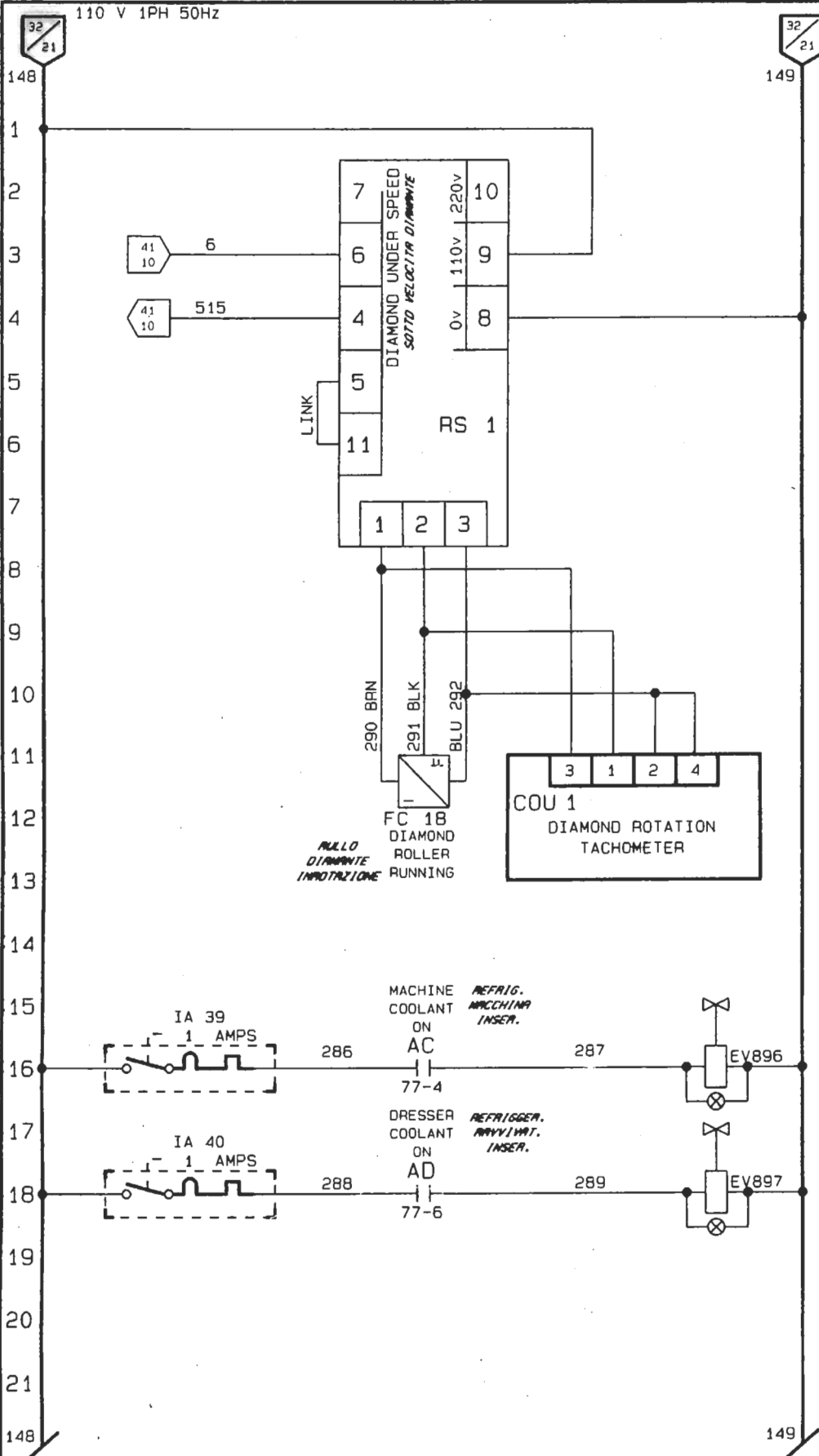


CARD N. 65
CABLE NO 65
X127475

[illegible]

18 FEB 97 07.49

110 V 1PH 50Hz



DRAWN
KM

CHECKED

APPROVED

LAYOUT APP'D

NAME	DATE	CHANGES
KE	14-02-97	W/O 97608
KE	14-02-97	W/O 97112
KE	14-02-97	W/O 96950
KE	14-02-97	W/O 96607
KE	14-02-97	W/O 97833
KE	14-02-97	W/O 95656
KE	14-02-97	W/O 98083
KE	14-02-97	W/O 97868
KE	14-02-97	W/O 97644

TITLE

RELAY SCHEMATIC.
SCHEMI ELETTRICI RELE'

M/C No 419-19

FMA

EY01512

MICROFILM

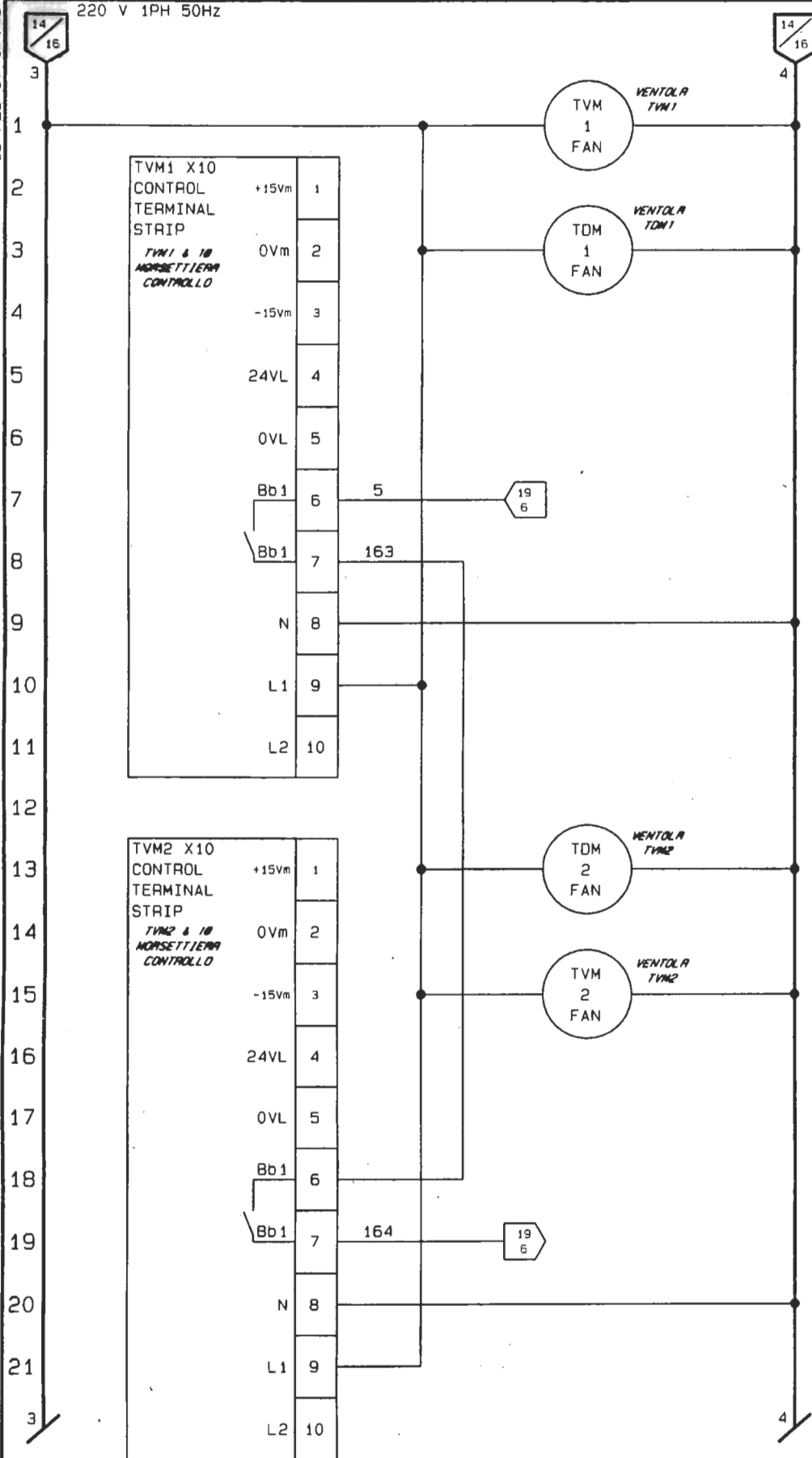
REF. ORG
EY01511

SHEET

33

SHEETS

160



DRAWN KM			TITLE RELAY SCHEMATIC. <i>SCHEMI ELETTRICI RELE'</i> M/C No 419-19						MICROFILM	
CHECKED						REF. ORG EY01511				
APPROVED						SHEET 34				
LAYOUT APP'D						SHEETS 160				
CHANGES			TITLE			FMA			MICROFILM	
NAME			DATE			C.I.			REF. ORG	
KE			14-02-97			U/O 976566			EY01511	
KE			14-02-97			U/O 971131			SHEET	
KE			14-02-97			U/O 969503			34	
KE			14-02-97			U/O 966075			SHEETS	
KE			14-02-97			U/O 973333			160	
KE			14-02-97			U/O 956555				
KE			14-02-97			U/O 980835				
KE			14-02-97			U/O 979666				
KE			14-02-97			U/O 976444				

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

18

19

20

21

22

23

24

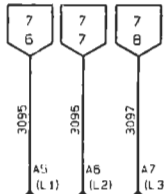
25

26

27

28

29

3PH SUPPLY
ALIGNMENT TRI-PhaseSUPPLY R
SUPPLY S
SUPPLY TPART OF CONNECTOR A
PARTE DEL CONNETTORE APART OF CONNECTOR A
PARTE DEL CONNETTORE AMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WMOTOR PHASE U
MOTOR PHASE V
MOTOR PHASE WDB 1 *GRANDESSA SUPERIORE DELLA LUNETTA*
SERVO-CONTROL TECHNIQUES DIGITAX
DIGITAX SERVO DRIVE
WORKREST UPPER JAWCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BCONNETTORE B
CONNECTOR BSYSTEM 3200
SLOT19, SK3.
S/SYSTEM 3200
SLOT 19 SK3CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63CAVO N.63
CABLE N.63

NAME	DATE	CHANGES
KE	14-02-97	1
KE	14-02-97	2
KE	14-02-97	3
KE	14-02-97	4
KE	14-02-97	5
KE	14-02-97	6
KE	14-02-97	7
KE	14-02-97	8
KE	14-02-97	9
KE	14-02-97	10
KE	14-02-97	11
KE	14-02-97	12
KE	14-02-97	13
KE	14-02-97	14
KE	14-02-97	15
KE	14-02-97	16
KE	14-02-97	17
KE	14-02-97	18
KE	14-02-97	19
KE	14-02-97	20
KE	14-02-97	21
KE	14-02-97	22
KE	14-02-97	23
KE	14-02-97	24
KE	14-02-97	25
KE	14-02-97	26
KE	14-02-97	27
KE	14-02-97	28
KE	14-02-97	29
KE	14-02-97	30
KE	14-02-97	31
KE	14-02-97	32
KE	14-02-97	33
KE	14-02-97	34
KE	14-02-97	35
KE	14-02-97	36
KE	14-02-97	37
KE	14-02-97	38
KE	14-02-97	39
KE	14-02-97	40
KE	14-02-97	41
KE	14-02-97	42
KE	14-02-97	43
KE	14-02-97	44
KE	14-02-97	45
KE	14-02-97	46
KE	14-02-97	47
KE	14-02-97	48
KE	14-02-97	49
KE	14-02-97	50
KE	14-02-97	51
KE	14-02-97	52
KE	14-02-97	53
KE	14-02-97	54
KE	14-02-97	55
KE	14-02-97	56
KE	14-02-97	57
KE	14-02-97	58
KE	14-02-97	59
KE	14-02-97	60
KE	14-02-97	61
KE	14-02-97	62
KE	14-02-97	63
KE	14-02-97	64
KE	14-02-97	65
KE	14-02-97	66
KE	14-02-97	67
KE	14-02-97	68
KE	14-02-97	69
KE	14-02-97	70
KE	14-02-97	71
KE	14-02-97	72
KE	14-02-97	73
KE	14-02-97	74
KE	14-02-97	75
KE	14-02-97	76
KE	14-02-97	77
KE	14-02-97	78
KE	14-02-97	79
KE	14-02-97	80
KE	14-02-97	81
KE	14-02-97	82
KE	14-02-97	83
KE	14-02-97	84
KE	14-02-97	85
KE	14-02-97	86
KE	14-02-97	87
KE	14-02-97	88
KE	14-02-97	89
KE	14-02-97	90
KE	14-02-97	91
KE	14-02-97	92
KE	14-02-97	93
KE	14-02-97	94
KE	14-02-97	95
KE	14-02-97	96
KE	14-02-97	97
KE	14-02-97	98
KE	14-02-97	99
KE	14-02-97	100

TITLE

RELAY SCHEMATIC.

SCHEMI ELETTRICI RELE'

M/C No 419-19

FMA

EY01512

MICROFILM

REF.ORG

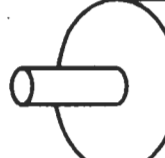
EY01511

SHEET

35

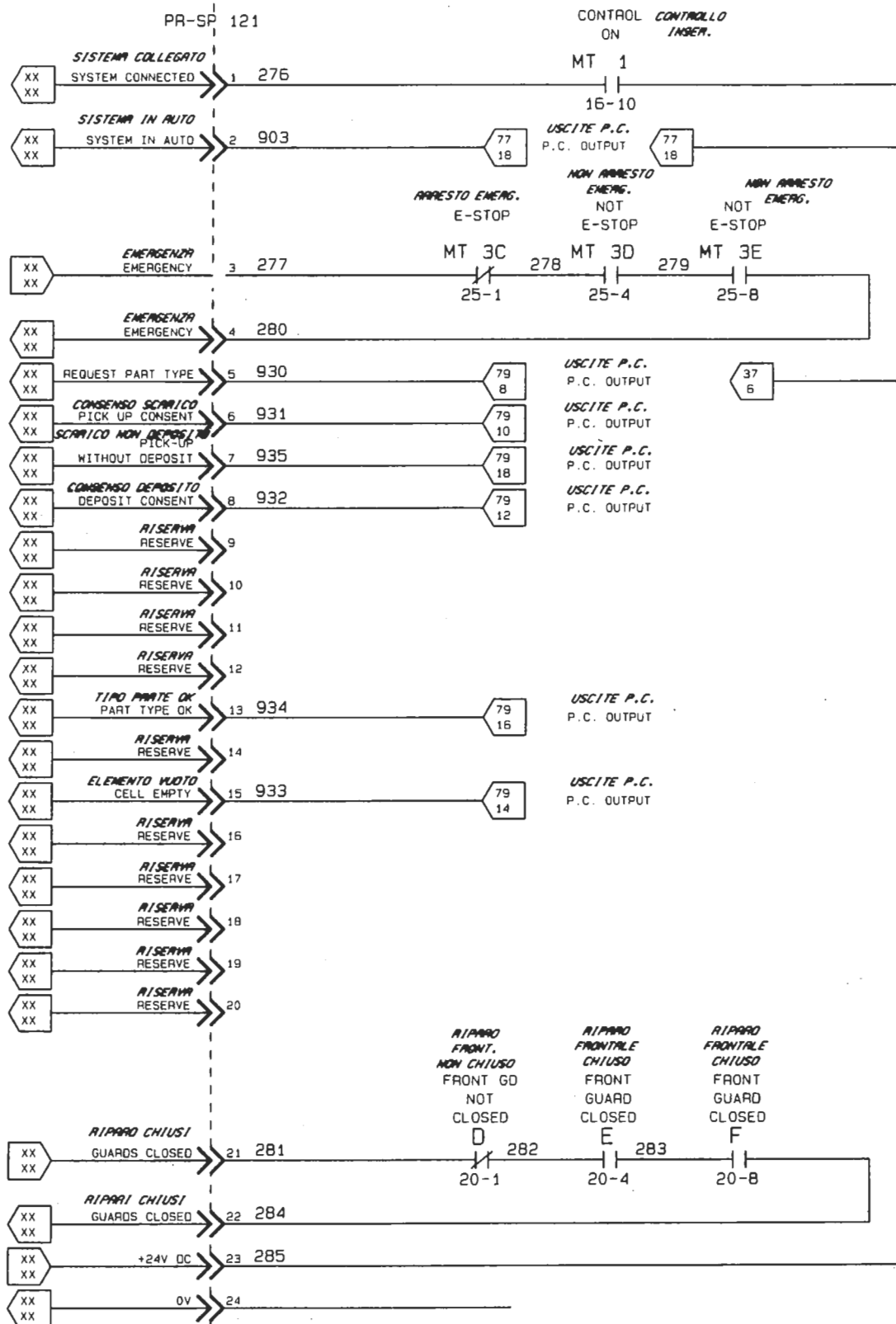
SHEETS

160

[illegible]

LOADER CARICATORE

MACHINE MACCHINA



NOTE: ALL INTERLOCK WIRES TO BE WIRED IN ORANGE.

DRAWN	NAME	DATE	CHANGES
KM	KE	14-02-97	1
CHECKED	KE	14-02-97	2
APPROVED	KE	14-02-97	3
LAYOUT APP'D	KE	14-02-97	4
	KE	14-02-97	5
	KE	14-02-97	6
	KE	14-02-97	7
	KE	14-02-97	8
	KE	14-02-97	9
	KE	14-02-97	10
	KE	14-02-97	11
	KE	14-02-97	12
	KE	14-02-97	13
	KE	14-02-97	14
	KE	14-02-97	15
	KE	14-02-97	16
	KE	14-02-97	17
	KE	14-02-97	18
	KE	14-02-97	19
	KE	14-02-97	20
	KE	14-02-97	21

TITLE

LOADER INTERLOCKS.
INTERBLOCCHI CARICO/SCARICO
(CARICATORE)

M/C No 419-19

FMA

EY01512

MICROFILM

REF. ORG

EY01511

SHEET

37

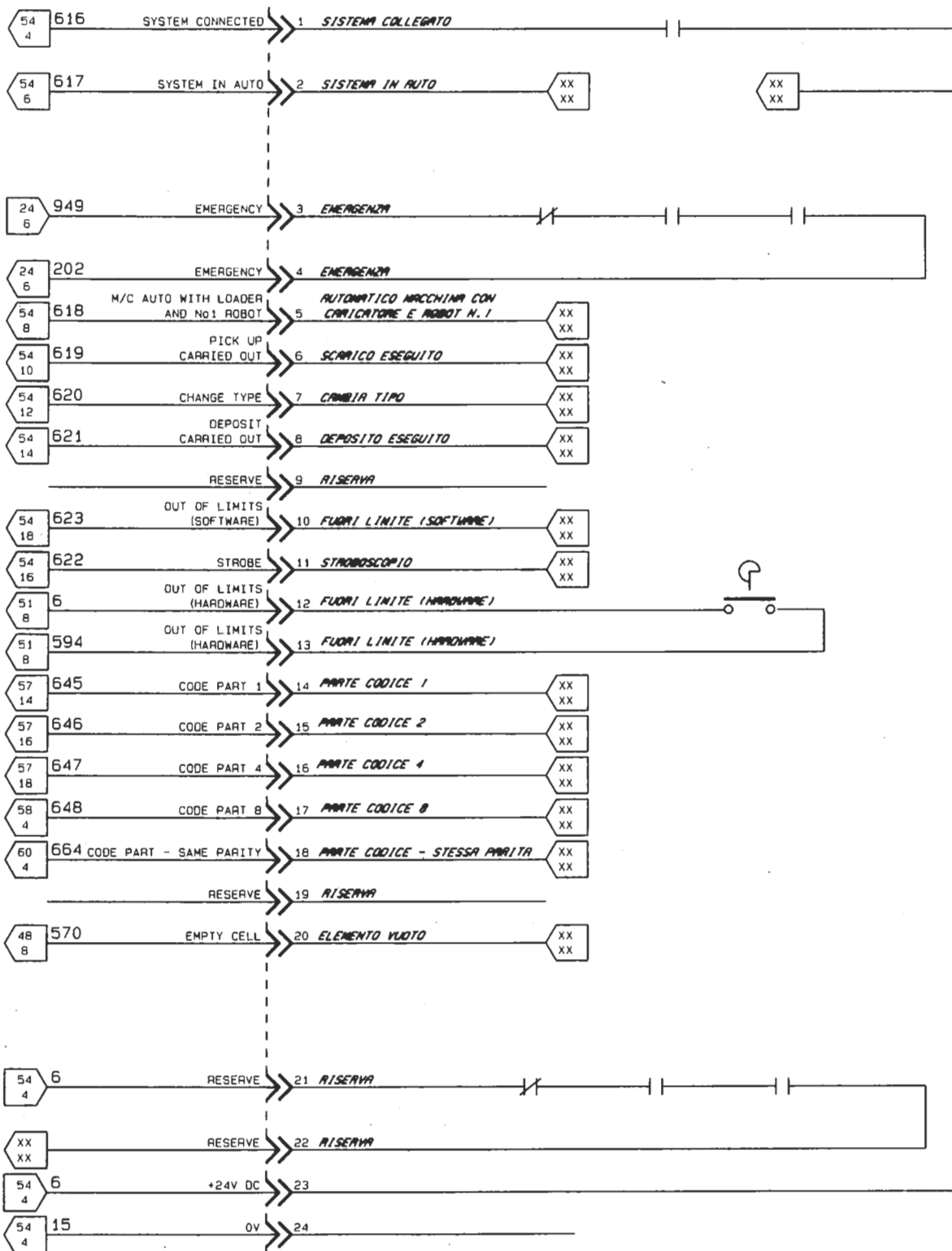
SHEETS

160

18 FEB 97 07.49

MACHINE *MACCHINA*LOADER *CARICATORE*

PR-SP 122



NOTE: ALL INTERLOCK WIRES TO BE WIRED IN ORANGE.

DRAWN	NAME	DATE	CHANGES
KM	KE	14-02-97	C.I.
CHECKED	KE	14-02-97	
APPROVED	KE	14-02-97	
LAYOUT APP'D	KE	14-02-97	

TITLE

LOADER INTERLOCKS.
INTERBLOCCHI CARICO/SCARICO
(CARICATORE)

M/C No 419-19

FMA

EY01512

MICROFILM

REF. ORG

EY01511

SHEET

38

SHEETS

160

MARPOSS

E50

POST

PROCESS

GAUGE.

CALIBRO POST
PROCESS MARPOSS
E50PEZZO BUONO
PART GOODPEZZO NON BUONO
PART NO GOOD'A' +
'A' +'A' -
'A' -'A' BUONO
'A' GOOD'B' +
'B' +'B' -
'B' -'B' BUONO
'B' GOODDATI VALIDI
DATA VALID24V D.C.
24V D.C.DATI RICEVUTI
DATA RECEIVEDCICLO DEI MINORATI
REGRIND CYCLE'C' +
'C' +'C' -
'C' -'C' BUONO
'C' GOOD24V D.C.
24V D.C.0V D.C.
0V D.C.CABINET No 3
PLUG BOX
PR-SP 130

714

66
8

715

66
10

704

65
4

705

65
6

706

65
8

707

65
10

708

65
12

709

65
14

713

66
6

339

77
12

900

77
12

901

77
14

710

65
16

711

65
18

712

66
4

337

65
1

15

65
1NOTE:
WIRE FROM
I/O'S TO PLUG
BASE IN CABINET
No 3 PLUG BOX
ONLY.DRAWN
KM
CHECKED
APPROVED
LAYOUT APP'D

NAME	DATE	C.I.
KE	14-02-97	U/O 97662
KE	14-02-97	U/O 97112
KE	14-02-97	U/O 96950
KE	14-02-97	U/O 96607
KE	14-02-97	U/O 97833
KE	14-02-97	U/O 95858
KE	14-02-97	U/O 98033
KE	14-02-97	U/O 97868
KE	14-02-97	U/O 97644

TITLE

MARPOSS E50
POST PROCESS GAUGE.
CALIBRO POST PROCESS
MARPOSS E50

M/C No 419-19

FMA

EY01512

MICROFILM

REF.DRG

EY01511

SHEET

39

SHEETS

160

FMA
MONITORINGMONITORIZZAZIONE
FMA24V D.C.
24V D.C.CABINET No 3
PLUG BOX
PR-SP 131MACCHINA FUNZIONA IN
CICLO AUTOMATICO CONTINUOMACHINE RUNNING IN
CONTINUOUS AUTO CYCLEMACCHINA FERMA
GUASTO GENERALEMACHINE DOWN
GENERAL FAILUREMACCHINA FERMA
NON CARICAREMACHINE DOWN
NO LOADINGMACCHINA FERMA
NON E' POSSIBILE LO SCARICOMACHINE DOWN
UNLOADING NOT POSSIBLEMACCHINA FERMA
CAMBIO UTENSILE PROGRAMMATOMACHINE DOWN
PROGRAMMED TOOL CHANGEARRESTO NON SPECIFICATO
UNSPECIFIED SHUT DOWNCICLO IN FUNZIONE
CYCLE IN PROGRESSIMPULSO DEL CONTAPEZZO
PART COUNTER PULSEIMPULSO CONTATORE SCARTI
REJECT COUNTER PULSEIDENTIFICAZIONE
PEZZO TIPO T1T1 WORK PIECE TYPE
IDENTIFICATION SIGNALIDENTIFICAZIONE
PEZZO TIPO T2T2 WORK PIECE TYPE
IDENTIFICATION SIGNALIDENTIFICAZIONE
PEZZO TIPO T3T3 WORK PIECE TYPE
IDENTIFICATION SIGNALIDENTIFICAZIONE
PEZZO TIPO T4T4 WORK PIECE TYPE
IDENTIFICATION SIGNALSEGNALE DI PARITA'
T5 PER I SEGNALI T1-T4T5 PARITY SIGNAL
FOR T1-T4 SIGNALS0V D.C.
0V D.C.24V D.C.
24V D.C.

21

1

2

3

4

5

8

9

10

11

12

13

14

15

16

22

23

960

961

962

963

964

966

967

976

977

978

979

980

981

15-

5+

81
481
681
881
1081
1281
1681
1882
482
682
882
1082
1282
1482
1782
17NOTE:
WIRE FROM
I/O'S TO PLUG
BASE IN CABINET
No 3 PLUG BOX
ONLY.24 PIN SOCKET.
PIN'S 6, 7, 16, 17, 18, 19, 20 & 21
ARE NOT USED.NOTE:
ALL THE WIRES
MUST BE ORANGE.DRAWN
KM
CHECKED
APPROVED
LAYOUT APP'D

NAME	DATE	C.I.
KE	14-02-97	N/O 97662
KE	14-02-97	N/O 97112
KE	14-02-97	N/O 96950
KE	14-02-97	N/O 96607
KE	14-02-97	N/O 97833
KE	14-02-97	N/O 98083
KE	14-02-97	N/O 98083
KE	14-02-97	N/O 97664

TITLE

FMA MONITORING.
MONITORIZZAZIONE FMA

M/C No 419-19

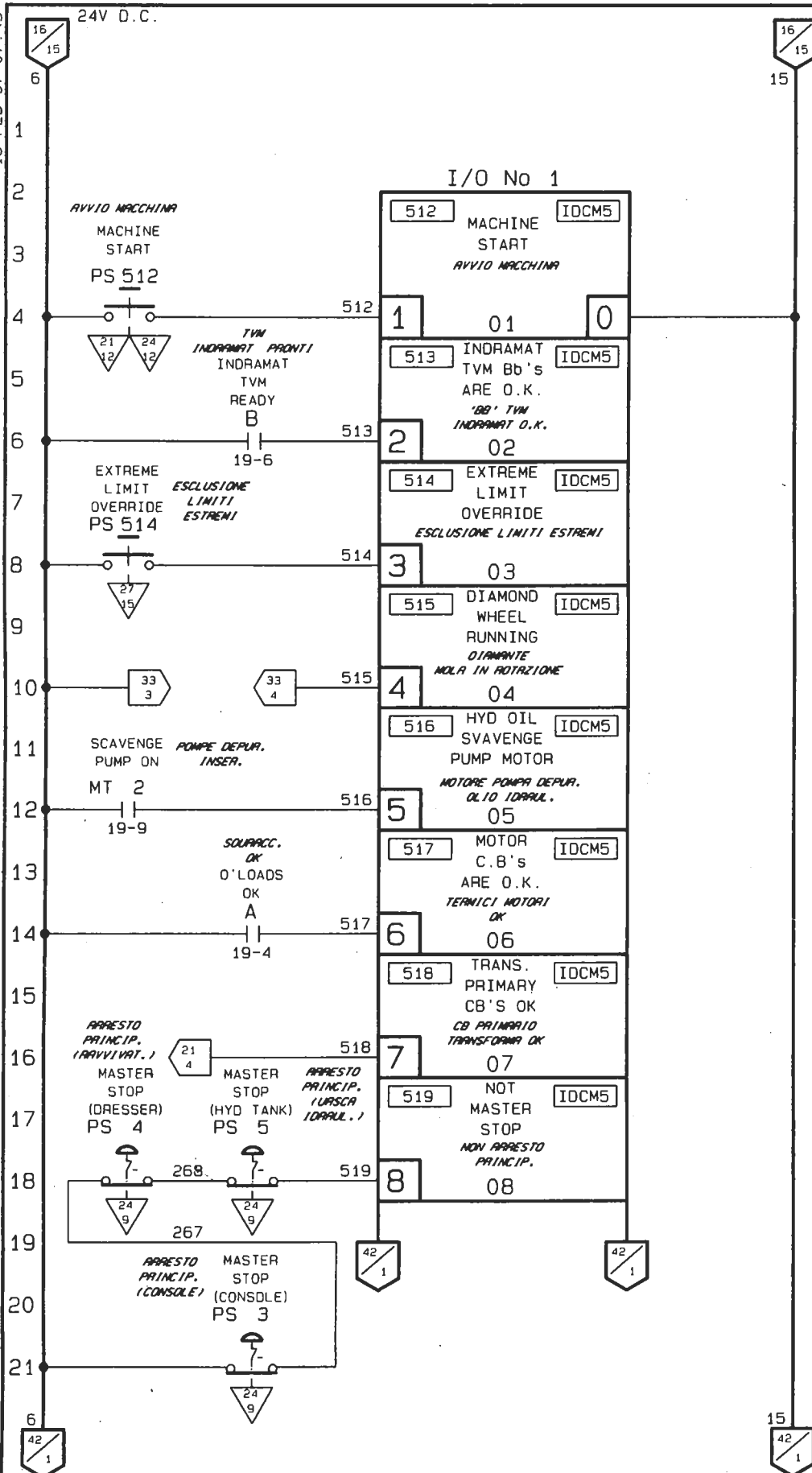
FMA

EY01512

MICROFILM

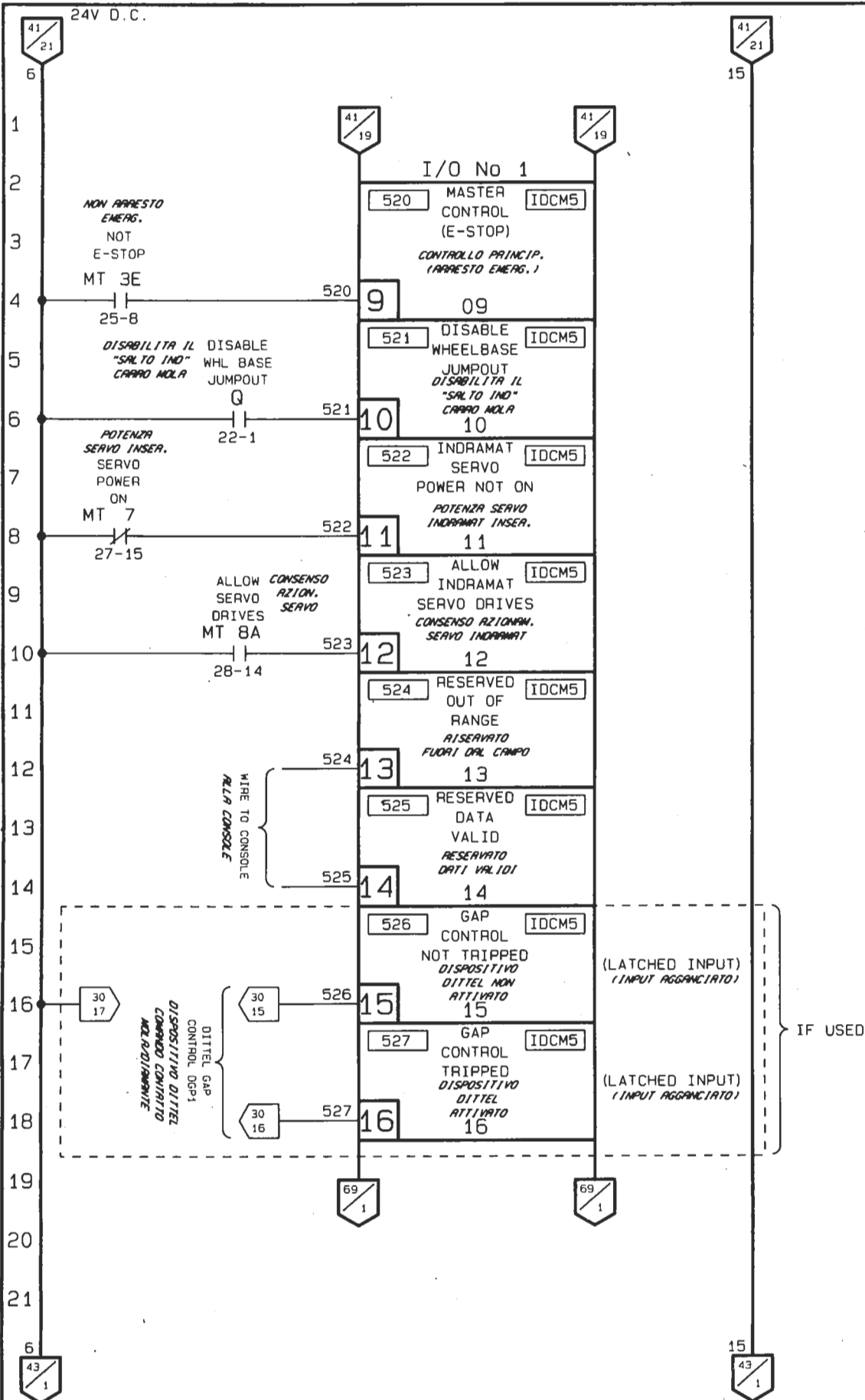
REF. ORG
EY01511SHEET
40SHEETS
160

24V D.C.



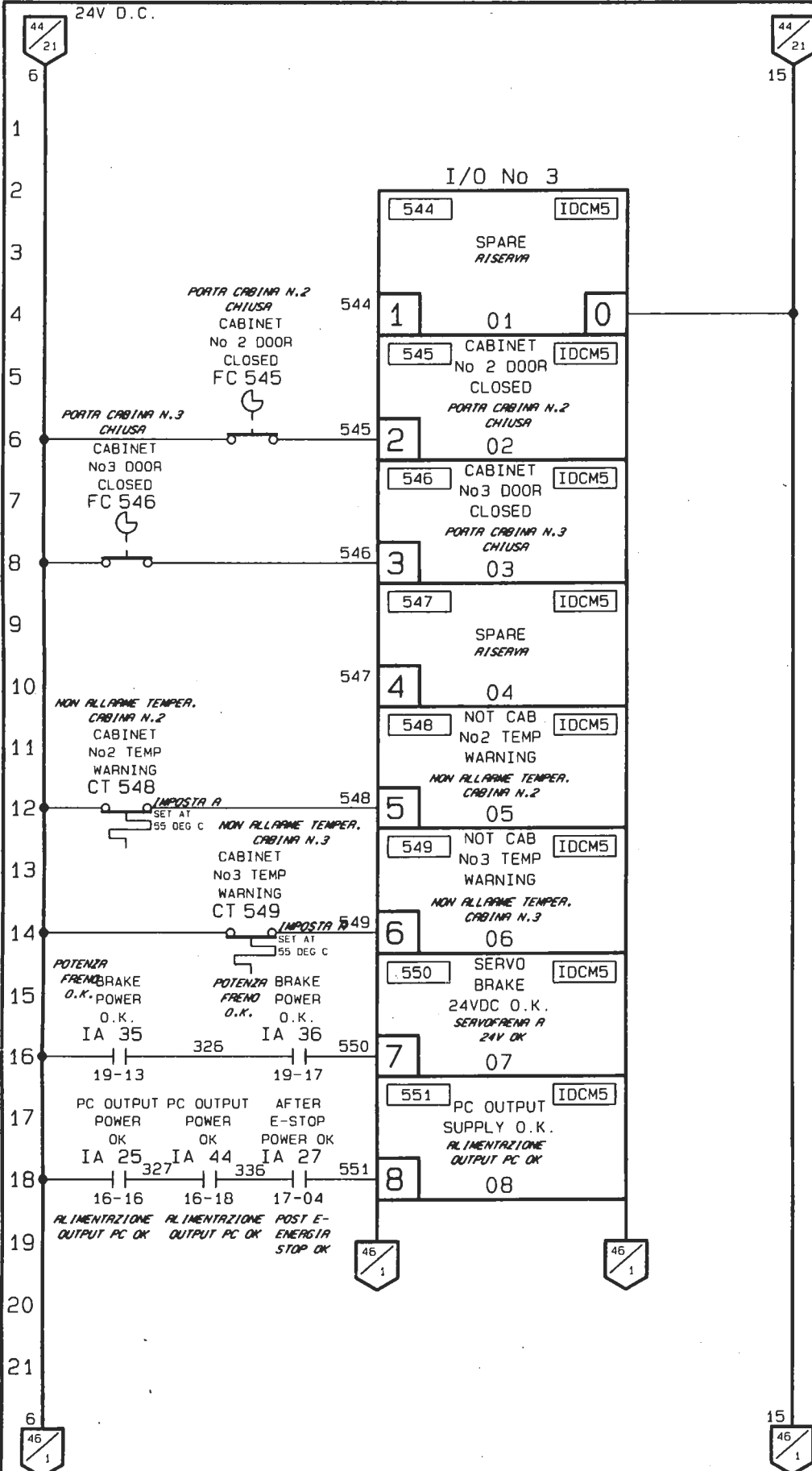
DRAWN KM			FMA			MICROFILM	
CHECKED						REF. ORG EY01511	
APPROVED						SHEET 41	
LAYOUT APP'D						SHEETS 160	
			CHANGES			TITLE P.C. INPUTS. P.C. INGRESSI M/C No 419-19	

24V D.C.

[illegible]

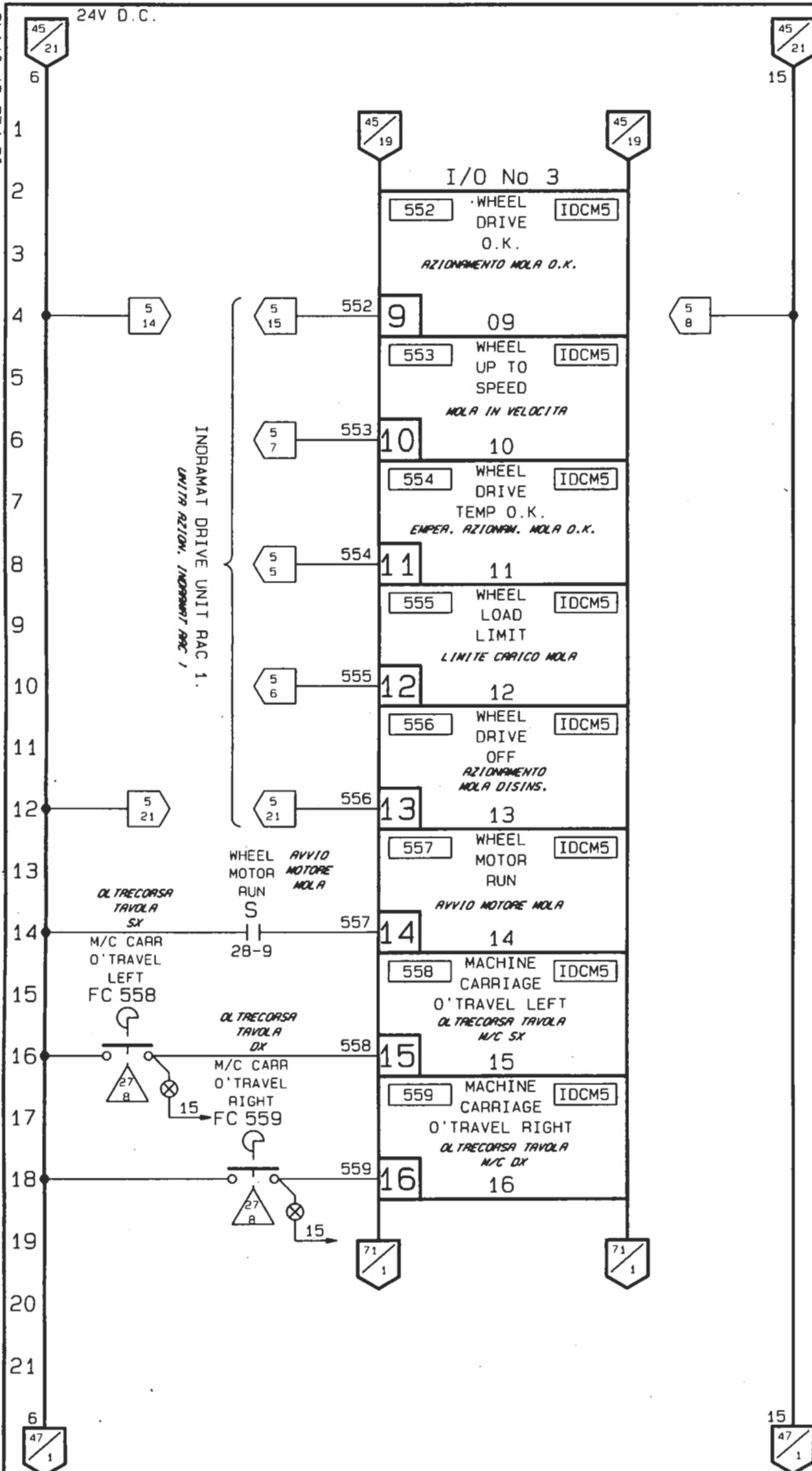
DRAWN		CHANGES	TITLE	FMA	MICROFILM
KM					REF. ORG
CHECKED					EY01511
APPROVED					SHEET
LAYOUT APP'D			M/C No	EY01512	43
					SHEETS
					160
			</		

24V D.C.

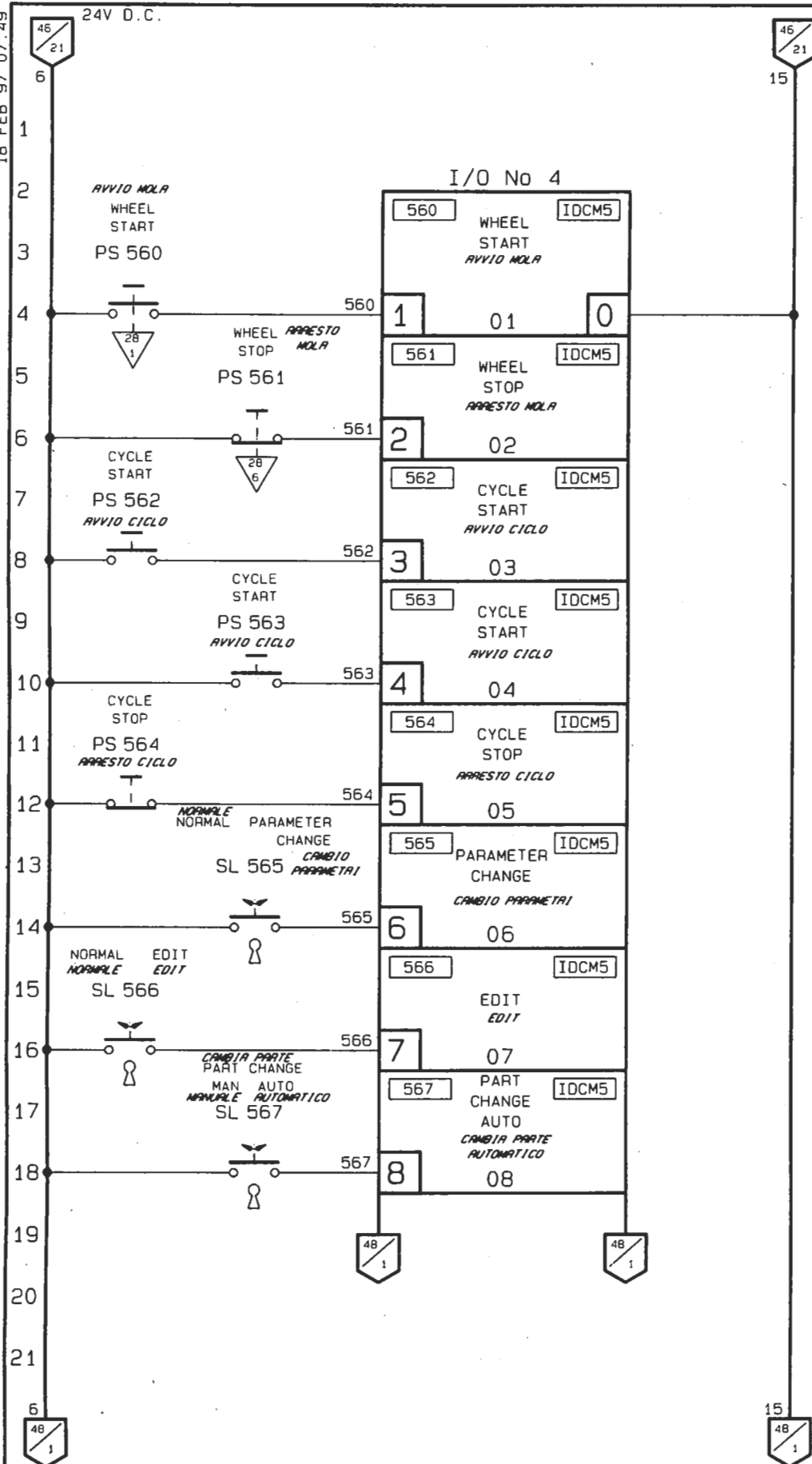


DRAWN			TITLE			MICROFILM
KM	CHECKED	CHANGES				P.C. INPUTS.
				P.C. INGRESSI	EY01511	
				APPROVED	SHEET	
				LAYOUT APP'D	45	
			M/C No	419-19	SHEETS	
					160	
KE		14-02-97	M/O 97666			
KE		14-02-97	M/O 97111			
KE		14-02-97	M/O 96995			
KE		14-02-97	M/O 9660			
KE		14-02-97	M/O 9783			
KE		14-02-97	M/O 9585			
KE		14-02-97	M/O 9808			
KE		14-02-97	M/O 9786			
KE		14-02-97	M/O 9764			

24V D.C.

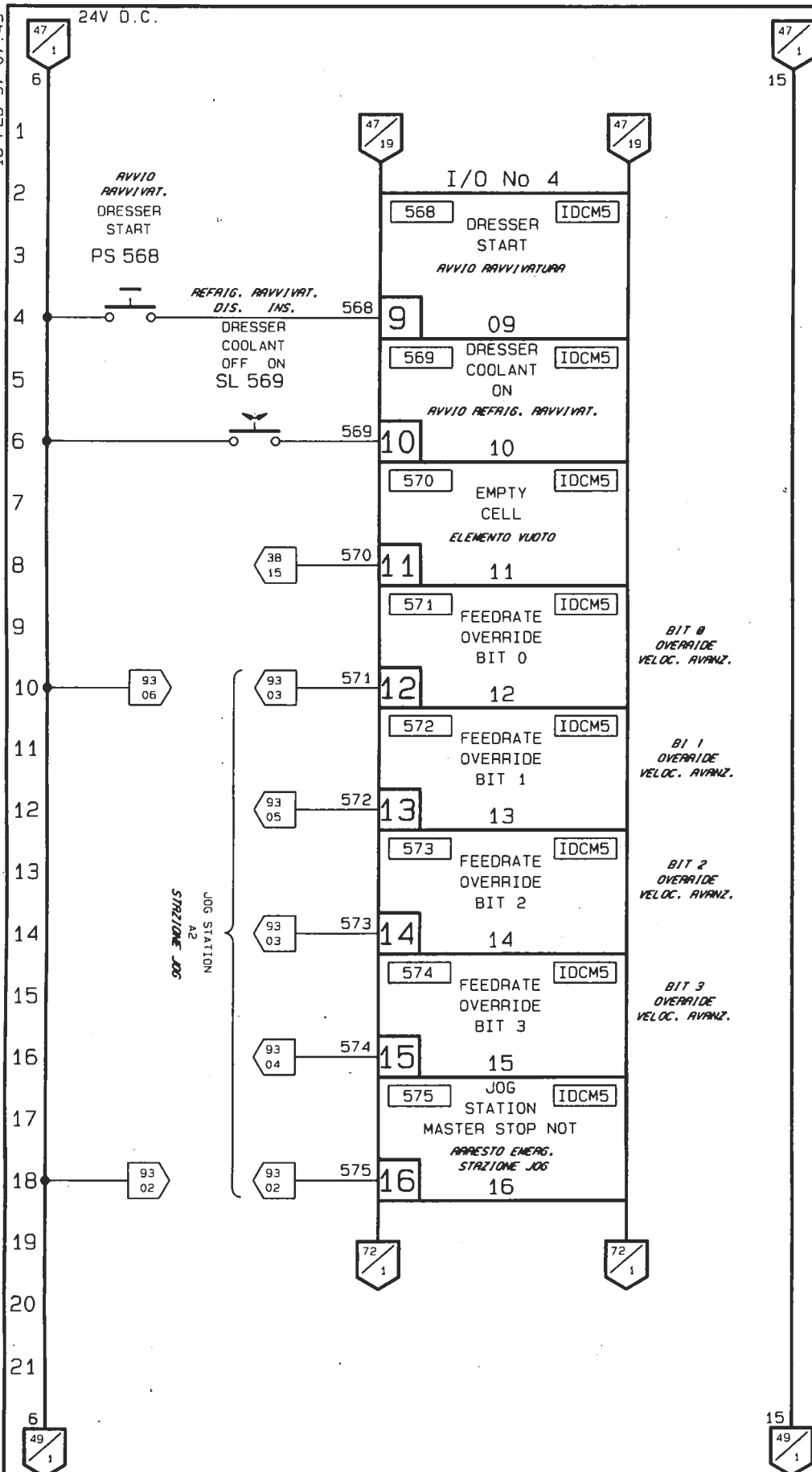
[illegible]

24V D.C.



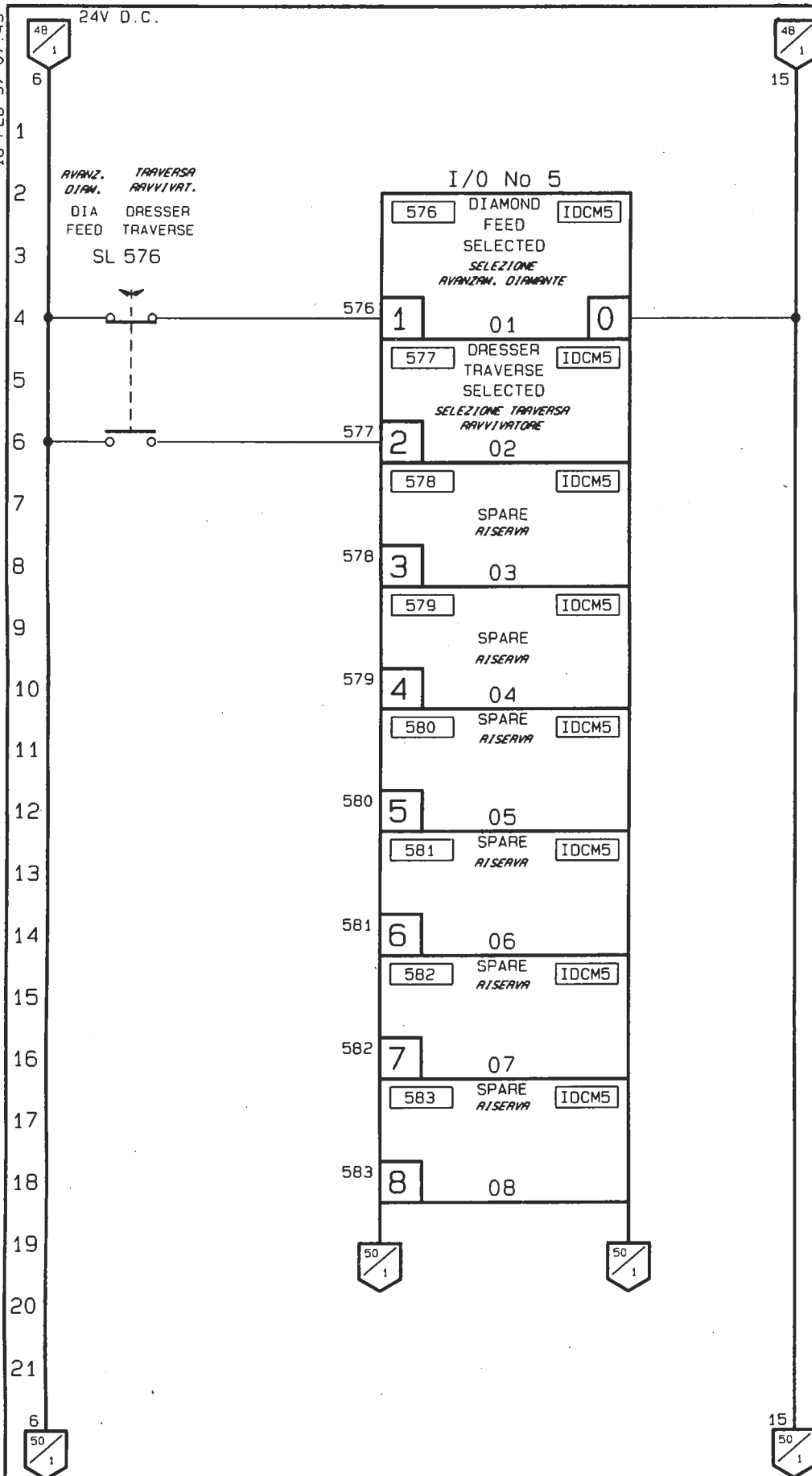
DRAWN												TITLE		MICROFILM	
KM												P.C. INPUTS.		REF. ORG	
CHECKED												P.C. INGRESSI		EY01511	
APPROVED												M/C No 419-19		SHEET	
										47					
										SHEETS					
										160					
LAYOUT APP'D															
										</					

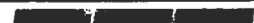
24V D.C.



DRAWN		NAME DATE C. I.	TITLE	FMA EY01512	MICROFILM
KM					REF. ORG
CHECKED					EY01511
APPROVED					SHEET
LAYOUT APP'D					48
					SHEETS
			M/C No 419-19		160
				</	

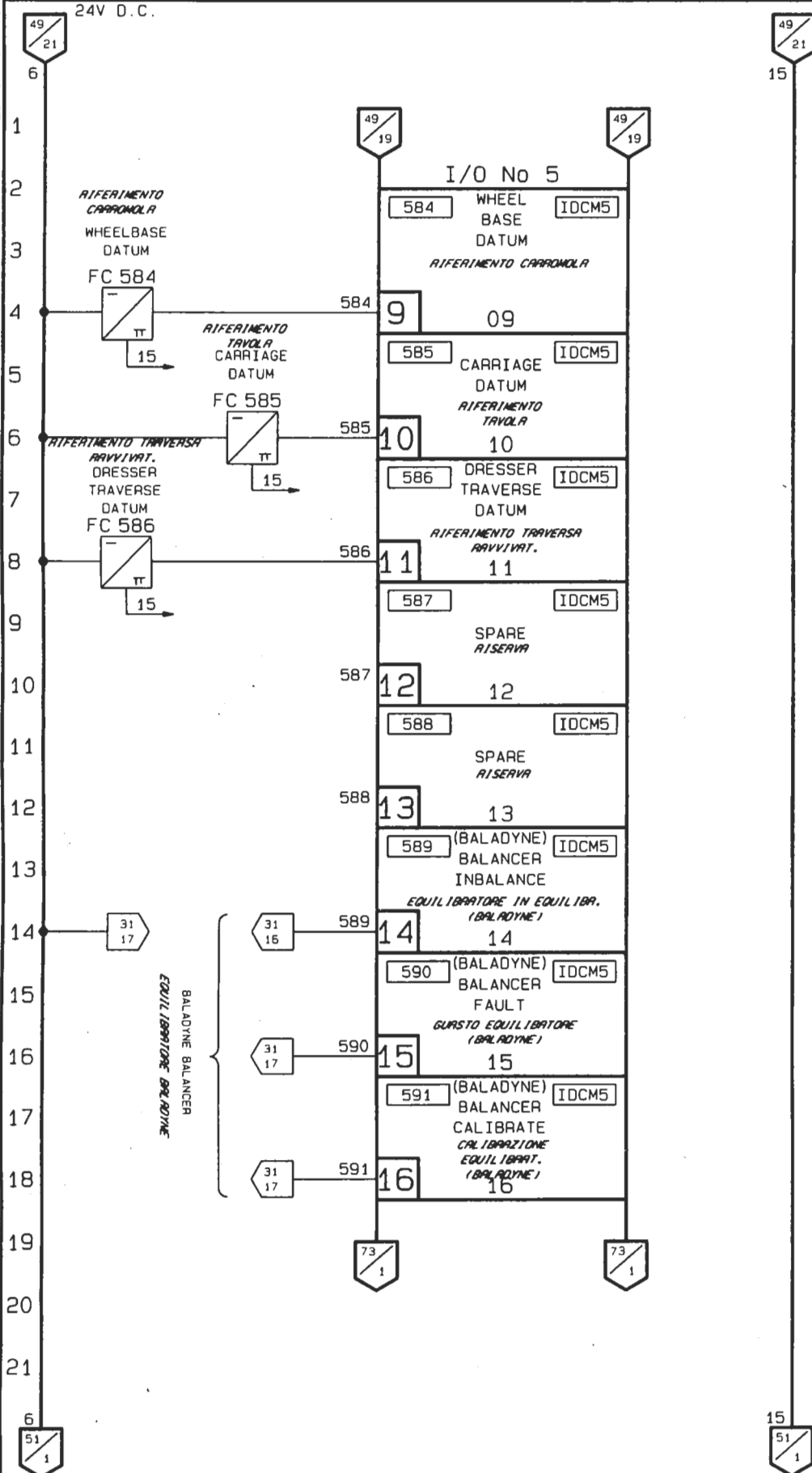
18 FEB 97 07.49



DRAWN KM			TITLE P.C. INPUTS. <i>P.C. INGRESS!</i>			MICROFILM
CHECKED				REF. ORG		EY01511
APPROVED				SHEET		49
LAYOUT APP'D				SHEETS		160
				M/C No		419-19

NAME	DATE	C.I.	CHANGES
KE	14-02-97	W/O 97662	
KE	14-02-97	W/O 97112	
KE	14-02-97	W/O 96950	
KE	14-02-97	W/O 96607	
KE	14-02-97	W/O 97833	
KE	14-02-97	W/O 97866	
KE	14-02-97	W/O 97644	

24V D.C.



ORAWN	KM		CHECKED		APPROVED		LAYOUT APP'D		CHANGES <table><thead><tr><th>NAME</th><th>DATE</th><th>C.I.</th></tr></thead><tbody><tr><td>KE</td><td>14-02-97</td><td>N/O 970666</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 971111</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 969596</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 970333</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 966070</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 958585</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 960909</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 970666</td></tr><tr><td>KE</td><td>14-02-97</td><td>N/O 970666</td></tr></tbody></table>	NAME	DATE	C.I.	KE	14-02-97	N/O 970666	KE	14-02-97	N/O 971111	KE	14-02-97	N/O 969596	KE	14-02-97	N/O 970333	KE	14-02-97	N/O 966070	KE	14-02-97	N/O 958585	KE	14-02-97	N/O 960909	KE	14-02-97	N/O 970666	KE	14-02-97	N/O 970666	TITLE P.C. INPUTS. P.C. INGRESSI M/C No 419-19			FMA EY01512		MICROFILM REF. DRG EY01511 SHEET 50 SHEETS 160	
NAME	DATE	C.I.																																												
KE	14-02-97	N/O 970666																																												
KE	14-02-97	N/O 971111																																												
KE	14-02-97	N/O 969596																																												
KE	14-02-97	N/O 970333																																												
KE	14-02-97	N/O 966070																																												
KE	14-02-97	N/O 958585																																												
KE	14-02-97	N/O 960909																																												
KE	14-02-97	N/O 970666																																												
KE	14-02-97	N/O 970666																																												