ACER GROUP

Company / customer	
Project description	SUPRA-818II AH Surface Grinding Machine
drawing number	201402010
Commission	
Manufacturer (company)	ACER GROUP
Path	
Project name	SUPRA-818II AH
make	
Type	SUPRA-818II AH
Place of installation	
Responsible for project	
Part feature	
Created on	2013/5/17
Edit date	2014/2/10
Number of pages	25

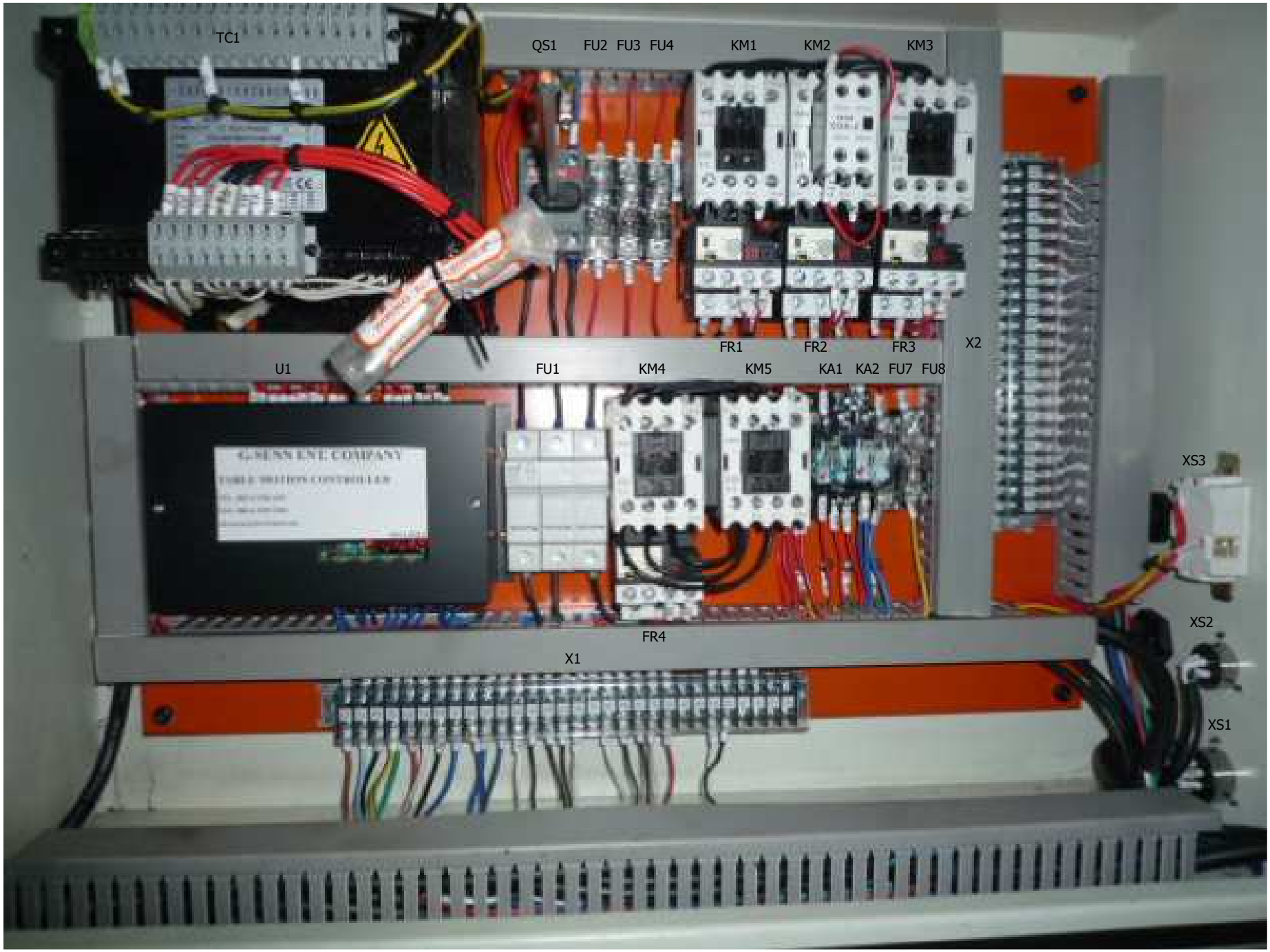
Table of contents

Column X: An automatically generated page was edited

F06_001

Page	Page description	supplementary page field	Date	Edited by	X
=ASCH+/1	Title page		2013/5/17		
=ASCH+/2	Table of contents : =ASCH+/1 - =WLIT+/1		2013/6/7		
=ASCH+/3	Operating panel layout		2013/6/7		
=ASCH+/4	Control panel layout		2013/6/6		
=ASCH+/5	Device tag list : =CAB+-FR1 - =CAB+-M4		2013/6/7		
=ASCH+/6	Device tag list : =CAB+-QS1 - =LSIO+-SQ4		2013/6/7		
=ASCH+/7	Device tag list : =LSIO+-SQ5 - =MOPCHK+-A51		2013/6/7		
=ASCH+/8	Device tag list : =MOPCHK+-A51-AP1 - =WLIT+-A131-FU1		2013/6/7		
=ASCH+/9	Device tag list : =WLIT+-A131-SA1301 - =WLIT+-XP1		2013/6/7		
=ASCH+/10	Parts list : TECO.RHU-10K1-10,0A - GSENN.24VR503		2013/6/7		
=ASCH+/11	Parts list : ALPS.SRRN134300 - CB.WL0011V55W		2013/6/7		
=CAB+/1	Main power		2013/6/7		
=CAB+/2	Cross feed motor drive		2013/6/6		
=CAB+/3	Left/rightward & in/outward motion drive		2013/6/7		
=CAB+/4	Control power		2013/6/7		
=CAB+/5	Control power		2013/6/7		
=CLNT+/1	Coolant/Vacuum cleaner unit (Option)		2013/6/6		
=HYDTNK+/1	Hydraulic unit		2013/6/6		
=LSIO+/1	In/Out limit switches		2013/6/7		
=LSLR+/1	Left/rightward switching switches		2013/6/6		
=LSTHR+/1	Throttle limit switches		2013/6/7		
=LUB+/1	Slide guide lubrication unit		2013/6/7		
=MOP+/1	Operating panel		2013/6/7		
=MOPCHK+/1	Chuck control unit (Option)		2013/6/7		
=WLIT+/1	Working lamp		2013/6/7		

			Date	2013/5/11	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Operating panel layout	= ASCH	
			Ed.						+	
			Appr						201402010	Page 3
Modification	Date	Name	Original		Replaced by	Replaced by				Page 25



3 5

			Date	2014/2/10	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Control panel layout		= ASCH	
			Ed.							+	
			Appr						201402010		Page 4
Modification	Date	Name	Original		Replaced by	Replaced by					Page 25

Device tag list

F03_001

device tag part number Type number	function text Article designation	X-Ref	symbol
=CAB-FR1 TECO.RHU-10K1-10,0A RHU-10K1-10,0A	Grinding wheel motor overload Motor overload switch	=CAB/1.2	1 3 5 / 2 4 6
=CAB-FR2 TECO.RHU-10K1-4,8A RHU-10K1-4,8A	Hydraulic motor overload Motor overload switch	=CAB/1.4	1 3 5 / 2 4 6
=CAB-FR3 TECO.RHU-10K1-2,5A RHU-10K1-2,5A	Cool./Vac. motor overload Motor overload switch	=CAB/1.7	1 3 5 / 2 4 6
=CAB-FR4 TECO.RHU-10K1-1,0A RHU-10K1-1,0A	Cross feed motor overload Motor overload switch	=CAB/2.2	1 3 5 / 2 4 6
=CAB-FU1 DF.420016x3+480332 420016x3+480332	Main fuses gG Cylindrical fuses 10x38, 16A x3+PMF 3P-modulor fuse holder	=CAB/1.0	1 3 5 / 2 4 6
=CAB-FU2 ROKO.AFE 2A+FS-101 AFE 2A+FS-101	Glass tube fuse 2A+Fuse holder with cover	=CAB/4.4	1 / 2
=CAB-FU3 ROKO.AFE 2A+FS-101 AFE 2A+FS-101	Glass tube fuse 2A+Fuse holder with cover	=CAB/4.1	1 / 2
=CAB-FU7 ROKO.AFE 1A+FS-101		=CAB/3.3	1 / 2
=CAB-FU8 ROKO.AFE 1A+FS-101		=CAB/3.4	1 / 2

device tag part number Type number	function text Article designation	X-Ref	symbol
=CAB-KA1 OMRON.LY2-24VAC+PTF08A-E LY2-24VAC+PTF08A-E	Power on	=CAB/4.6	8 / 7
=CAB-KA2 OMRON.MY2-24VAC+PYF08A-E MY2-24VAC+PYF08A-E	In/Out limit	=CAB/4.7	14 / 13
=CAB-KM1 TECO.CU-11B10 CU-11B10	Grinding wheel starter Magnetic contactor	=CAB/5.0	A1 / A2
=CAB-KM2 TECO.CU-11B10 CU-11B10	Hyd. pump starter Magnetic contactor	=CAB/5.2	A1 / A2
=CAB-KM3 TECO.CU-11B10 CU-11B10	Cool./Vac. starter Magnetic contactor	=CAB/5.3	A1 / A2
=CAB-KM4 TECO.CU-11B01 CU-11B01	Move in starter Magnetic contactor	=CAB/5.4	A1 / A2
=CAB-KM5 TECO.CU-11B01 CU-11B01	Move out starter Magnetic contactor	=CAB/5.5	A1 / A2
=CAB-M1 CB.MS01362346-2,3KW	Grinding wheel motor	=CAB/1.2	U1 V1 W1 PE / M 3~
=CAB-M4 CB.MC01402200-40W MC01402200-40W	Cross feed motor 3-phase induction motor	=CAB/2.2	U1 V1 W1 PE / M 3~

Device tag list

F03_001

device tag part number Type number	function text Article designation	X-Ref	symbol
=CAB-QS1 ABB.OT16F3+OX85+OHBS2AJ	Main switch	=CAB/1.0	
=CAB-TC1 LGE.3-PH.800VA.220V.110V.24V.12V 3-PH.800VA.220V.110V.24V.12V	Control transformer Control transformer	=CAB/4.0	
=CAB-U1 GSENN.2A.001	Motion controller	=CAB/3.2	
=CAB-U1-TB1		=CAB/3.5	
=CAB-U1-TB2		=CAB/3.2	
=CAB-U1-TB3		=CAB/3.6	
=CAB-U1-TB4		=CAB/3.4	
=CAB-XS1 LL.LLPM-509-30-7	Hydraulic unit socket	=CAB/1.4	
=CAB-XS2 LL.LLPM-508-25-4	Cool./Vac. unit socket	=CAB/1.6	

device tag part number Type number	function text Article designation	X-Ref	symbol
=CAB-XS3 LKEW.LK-3021F	Power receptacle	=CAB/4.2	
=CLNT-A701 CB.Coolant/Vacuum Cleaner Unit		=CLNT/1.2	
=CLNT-A701-M51 CB.MOW3182041-0,1KW	Coolant pump motor	=CLNT/1.3	
=CLNT-A701-M52 CB.MOS3122041-0,4KW	Vacuum motor	=CLNT/1.5	
=HYDTNK-A11	Hydraulic tank unit	=HYDTNK/1.2	
=HYDTNK-A11-M2 CB.MO01162346-0,75KW	Hydraulic pump drive	=HYDTNK/1.3	
=HYDTNK-A11-YV1 CB.EV3V221101	Switching left/right drive	=HYDTNK/1.5	
=LSIO-SQ3 HLE.Z-15G1308 Z-15G1308	In & out limit switch Limit switch	=LSIO/1.6	
=LSIO-SQ4 HLE.AH-8104 AH-8104	Inward moving stroke Limit switch	=LSIO/1.4	

Device tag list

F03_001

device tag part number Type number	function text Article designation	X-Ref	symbol
=LSIO-SQ5 HLE.AH-8104 AH-8104	Outward move stroke Limit switch	=LSIO/1.5	C NO
=LSLR-SQ1 KFPS.TL-B5NE1	Leftward switching detect	=LSLR/1.5	BN BU + - BK
=LSLR-SQ2 KFPS.TL-B5NE1	Rightward switching detect	=LSLR/1.4	BN BU + - BK
=LSTHR-SQ3 OMRON.V-152-1A5	Throttle in safe detect	=LSTHR/1.4	NC NO C
=LUB-M6 CB.CHCY.EL-1-110VAC	Lubrication motor	=LUB/1.4	1 M 1~ 2
=MOP-RP1 TOCOS.RV24YN20S502 RV24YN20S502	Jog Inc. adj. Potentiometer	=MOP/1.8	2 1 3
=MOP-SA1 RENY.R2SNS-2FD-1A-B R2SNS-2FD-1A-B	Mode selection Non-illuminated, 2-position maintained selector switch	=MOP/1.7	F 3 4
=MOP-SB1 RENY.R2PNR4-1B-R R2PNR4-1B-R	Emergency stop Emergency Stop Push button	=MOP/1.1	1 2
=MOP-SB2 RENY.R2PIF-1A-7IW R2PIF-1A-7IW	Power on Illuminated white flush push button	=MOP/1.1	E 3 4

device tag part number Type number	function text Article designation	X-Ref	symbol
=MOP-SB3 RENY.R2PIF-1A-7IG R2PIF-1A-7IG	G. W. on Illuminated green flush push button	=MOP/1.2	E 3 4
=MOP-SB4 RENY.R2PNF-1B-R R2PNF-1B-R	G. W. off Non-illuminated red flush push button	=MOP/1.2	E 1 2
=MOP-SB5 RENY.R2PIF-1A-7IG R2PIF-1A-7IG	Hydraulic on Illuminated green flush push button	=MOP/1.3	E 3 4
=MOP-SB6 RENY.R2PNF-1B-R R2PNF-1B-R	Hydraulic off Non-illuminated red flush push button	=MOP/1.3	E 1 2
=MOP-SB7 RENY.R2PIF-1A-7IG R2PIF-1A-7IG	Cool./Vac. on Illuminated green flush push button	=MOP/1.4	E 3 4
=MOP-SB8 RENY.R2PNF-1B-R R2PNF-1B-R	Cool./Vac. off Non-illuminated red flush push button	=MOP/1.4	E 1 2
=MOP-SB11 RENY.R2PIF-1A-7IG R2PIF-1A-7IG	Move in Illuminated green flush push button	=MOP/1.5	E 3 4
=MOP-SB12 RENY.R2PIF-1A-7IG R2PIF-1A-7IG	Move out Illuminated green flush push button	=MOP/1.6	E 3 4
=MOPCHK-A51 GSENN.CMR-5C-110VAC-90VDC CMR-5C-110VAC-90VDC	Chuck controller (Option) CMR-5C-110VAC-90VDC	=MOPCHK/1.0	

Device tag list

F03_001

device tag part number Type number	function text Article designation	X-Ref	symbol
=MOPCHK-A51-AP1 GSENN.CHUCK60 CHUCK60	Chuck control device Magnetic chuck control card	=MOPCHK/1.1	
=MOPCHK-A51-AP2 GSENN.PWR50-10A PWR50-10A	Chuck power device Magnetic chuck power card	=MOPCHK/1.1	
=MOPCHK-A51-AP2-CN3		=MOPCHK/1.5	1
=MOPCHK-A51-AP2-CN6		=MOPCHK/1.4	1
=MOPCHK-A51-AP2-CN7		=MOPCHK/1.6	1
=MOPCHK-A51-AP2-TB1		=MOPCHK/1.4	E
=MOPCHK-A51-AP2-TB2		=MOPCHK/1.2	COM
=MOPCHK-A51-AP3 GSENN.DVM1 DVM1	Display device Display device of magnetic chuck controller	=MOPCHK/1.4	
=MOPCHK-A51-AP3-CN8		=MOPCHK/1.5	1

device tag part number Type number	function text Article designation	X-Ref	symbol
=MOPCHK-A51-AP3-INPUT		=MOPCHK/1.4	1
=MOPCHK-A51-LD1 GSENN.LED.GRN.D8 LED.GRN.D8	MAG LED Green light	=MOPCHK/1.3	X1 X2
=MOPCHK-A51-LD2 GSENN.LED.RED.D8 LED.RED.D8	DEMAG LED Red light	=MOPCHK/1.4	X1 X2
=MOPCHK-A51-RP101 GSENN.24VR503 24VR503	MAG Potentiometer	=MOPCHK/1.8	2 1
=MOPCHK-A51-RP102 GSENN.24VR503 24VR503	DEMAG Potentiometer	=MOPCHK/1.6	2 1 3
=MOPCHK-A51-SA101 ALPS.SRRN134300 SRRN134300	Mag./Demag. Non-illuminated, 3-position maintained selector switch	=MOPCHK/1.2	3 4
=MOPCHK-A52 CB.ELC000618A ELC000618A	Electrical magnetic chuck (Option) 150x450 Electrical chuck plate	=MOPCHK/1.2	
=WLIT-A131 CB.WL0011V55W WL0011V55W	110V working light (Option) Working lamp	=WLIT/1.4	
=WLIT-A131-FU1		=WLIT/1.4	1 2

Device tag list

F03_001

device tag part number Type number	function text Article designation	X-Ref	symbol
=WLIT-A131-SA1301		=WLIT/1.4	
=WLIT-A131-U1		=WLIT/1.4	
=WLIT-XP1	Working light plug	=WLIT/1.4	

device tag part number Type number	function text Article designation	X-Ref	symbol

			Date	2013/6/7	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Device tag list : =WLIT+-A131-SA1301 - =WLIT+-XP1	= ASCH
			Ed.						+
			Appr					201402010	Page 9
Modification	Date	Name	Original		Replaced by	Replaced by			Page 25

Parts list

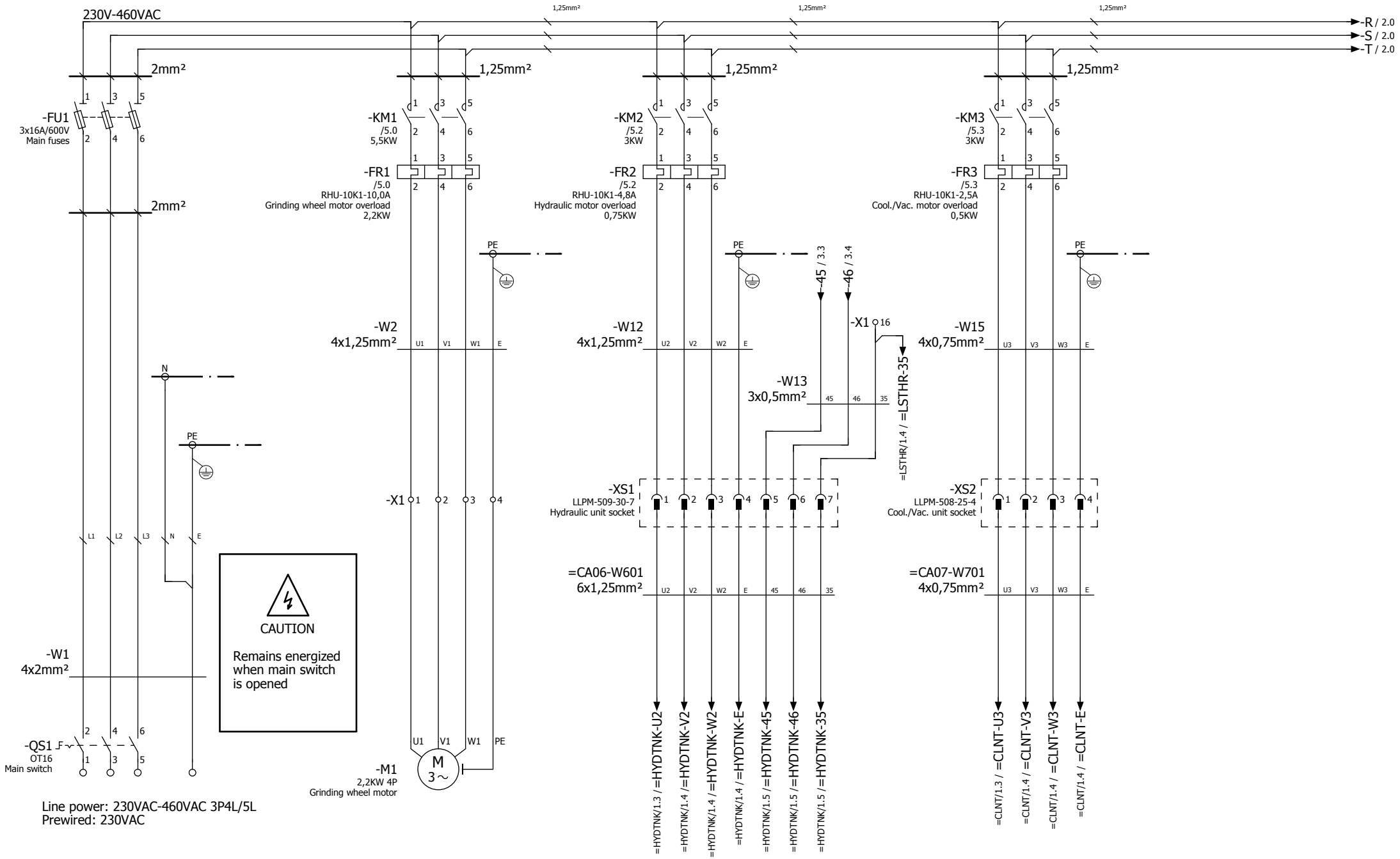
F01_001

device tag	Quantity	designation	Type number	supplier	part number
=CAB-FR1	1	Motor overload switch	RHU-10K1-10,0A	TECO	TECO.RHU-10K1-10,0A
=CAB-FR2	1	Motor overload switch	RHU-10K1-4,8A	TECO	TECO.RHU-10K1-4,8A
=CAB-FR3	1	Motor overload switch	RHU-10K1-2,5A	TECO	TECO.RHU-10K1-2,5A
=CAB-FR4	1	Motor overload switch	RHU-10K1-1,0A	TECO	TECO.RHU-10K1-1,0A
=CAB-FU1	1	gG Cylindrical fuses 10x38, 16A x3+PMF 3P-modulor fuse holder	420016x3+480332	DF	DF.420016x3+480332
=CAB-FU2	1	Glass tube fuse 2A+Fuse holder with cover	AFE 2A+FS-101	ROKO	ROKO.AFE 2A+FS-101
=CAB-FU3	1	Glass tube fuse 2A+Fuse holder with cover	AFE 2A+FS-101	ROKO	ROKO.AFE 2A+FS-101
=CAB-FU7	1	Glass tube fuse 2A+Fuse holder with cover	AFE 2A+FS-101	ROKO	ROKO.AFE 1A+FS-101
=CAB-FU8	1	Glass tube fuse 2A+Fuse holder with cover	AFE 2A+FS-101	ROKO	ROKO.AFE 1A+FS-101
=CAB-KA1	1	Control relay with socket	LY2-24VAC+PTF08A-E	OMRON	OMRON.LY2-24VAC+PTF08A-E
=CAB-KA2	1	Control relay with socket	MY2-24VAC+PYF08A-E	OMRON	OMRON.MY2-24VAC+PYF08A-E
=CAB-KM1	1	Magnetic contactor	CU-11B10	TECO	TECO.CU-11B10
=CAB-KM2	1	Magnetic contactor	CU-11B10	TECO	TECO.CU-11B10
=CAB-KM3	1	Magnetic contactor	CU-11B10	TECO	TECO.CU-11B10
=CAB-KM4	1	Magnetic contactor	CU-11B01	TECO	TECO.CU-11B01
=CAB-KM5	1	Magnetic contactor	CU-11B01	TECO	TECO.CU-11B01
=CAB-M1	1	3-phase induction motor	MS01362346-2,3KW	CB	CB.MS01362346-2,3KW
=CAB-M4	1	3-phase induction motor	MC01402200-40W	CB	CB.MC01402200-40W
=CAB-QS1	1	Power disconnector	OT16F3+OX85+OHBS2AJ	ABB	ABB.OT16F3+OX85+OHBS2AJ
=CAB-TC1	1	Control transformer	3-PH.800VA.220V.110V.24V.12V	LGE	LGE.3-PH.800VA.220V.110V.24V.12V
=CAB-U1	1	2-Axis motion controller	2A.001	GSENN	GSENN.2A.001
=CAB-XS1	1	Power socket	LLPM-509-30-7	LL	LL.LLPM-509-30-7
=CAB-XS2	1	Power socket	LLPM-508-25-4	LL	LL.LLPM-508-25-4
=CAB-XS3	1	Femal receptacle	LK-3021F	LKEW	LKEW.LK-3021F
=CLNT-A701	1	Coolant/Vacuum Cleaner Unit	Coolant/Vacuum Cleaner Unit	CB	CB.Coolant/Vacuum Cleaner Unit
=CLNT-A701-M51	1	3-phase induction motor	MOW3182041-0,1KW	CB	CB.MOW3182041-0,1KW
=CLNT-A701-M52	1	3-phase induction motor	MOS3122041-0,4KW	CB	CB.MOS3122041-0,4KW
=HYDTNK-A11-M2	1	3-phase induction motor	MO01162346-0,75KW	CB	CB.MO01162346-0,75KW
=HYDTNK-A11-YV1	1	3-Position, Spring retutned valve	EV3V221101	CB	CB.EV3V221101
=LSIO-SQ3	1	Limit switch	Z-15G1308	HLE	HLE.Z-15G1308
=LSIO-SQ4	1	Limit switch	AH-8104	HLE	HLE.AH-8104
=LSIO-SQ5	1	Limit switch	AH-8104	HLE	HLE.AH-8104
=LSLR-SQ1	1	Proximity switch	TL-B5NE1	KFPS	KFPS.TL-B5NE1
=LSLR-SQ2	1	Proximity switch	TL-B5NE1	KFPS	KFPS.TL-B5NE1
=LSTHR-SQ3	1	Limit switch	V-152-1A5	OMRON	OMR.V-152-1A5
=LUB-M6	1	1-phase induction motor	CHCY.EL-1-110VAC	CB	CB.CHCY.EL-1-110VAC
=MOP-RP1	1	Potentiometer	RV24YN20S502	TOCOS	TOCOS.RV24YN20S502
=MOP-SA1	1	Non-illuminated, 2-position maintained selector switch	R2SNS-2FD-1A-B	RENY	RENY.R2SNS-2FD-1A-B
=MOP-SB1	1	Emergency Stop Push button	R2PNR4-1B-R	RENY	RENY.R2PNR4-1B-R
=MOP-SB2	1	Illuminated white flush push button	R2PIF-1A-7IW	RENY	RENY.R2PIF-1A-7IW
=MOP-SB3	1	Illuminated green flush push button	R2PIF-1A-7IG	RENY	RENY.R2PIF-1A-7IG
=MOP-SB4	1	Non-illuminated red flush push button	R2PNF-1B-R	RENY	RENY.R2PNF-1B-R
=MOP-SB5	1	Illuminated green flush push button	R2PIF-1A-7IG	RENY	RENY.R2PIF-1A-7IG
=MOP-SB6	1	Non-illuminated red flush push button	R2PNF-1B-R	RENY	RENY.R2PNF-1B-R
=MOP-SB7	1	Illuminated green flush push button	R2PIF-1A-7IG	RENY	RENY.R2PIF-1A-7IG
=MOP-SB8	1	Non-illuminated red flush push button	R2PNF-1B-R	RENY	RENY.R2PNF-1B-R
=MOP-SB11	1	Illuminated green flush push button	R2PIF-1A-7IG	RENY	RENY.R2PIF-1A-7IG
=MOP-SB12	1	Illuminated green flush push button	R2PIF-1A-7IG	RENY	RENY.R2PIF-1A-7IG
=MOPCHK-A51	1	CMR-5C-110VAC-90VDC	CMR-5C-110VAC-90VDC	GSENN	GSENN.CMR-5C-110VAC-90VDC
=MOPCHK-A51-AP1	1	Magnetic chuck control card	CHUCK60	GSENN	GSENN.CHUCK60
=MOPCHK-A51-AP2	1	Magnetic chuck power card	PWR50-10A	GSENN	GSENN.PWR50-10A
=MOPCHK-A51-AP3	1	Display device of magnetic chuck controller	DVM1	GSENN	GSENN.DVM1
=MOPCHK-A51-LD1	1	LED Green light	LED.GRN.D8	GSENN	GSENN.LED.GRN.D8
=MOPCHK-A51-LD2	1	LED Red light	LED.RED.D8	GSENN	GSENN.LED.RED.D8
=MOPCHK-A51-RP101	1	Potentiometer	24VR503	GSENN	GSENN.24VR503
=MOPCHK-A51-RP102	1	Potentiometer	24VR503	GSENN	GSENN.24VR503

Parts list

F01_001

device tag	Quantity	designation	Type number	supplier	part number
=MOPCHK-A51-SA101	1	Non-illuminated, 3-position maintained selector switch	SRRN134300	ALPS	ALPS.SRRN134300
=MOPCHK-A52	1	150x450 Electrical chuck plate	ELC000618A	CB	CB.ELC000618A
=WLIT-A131	1	Working lamp	WL0011V55W	CB	CB.WL0011V55W



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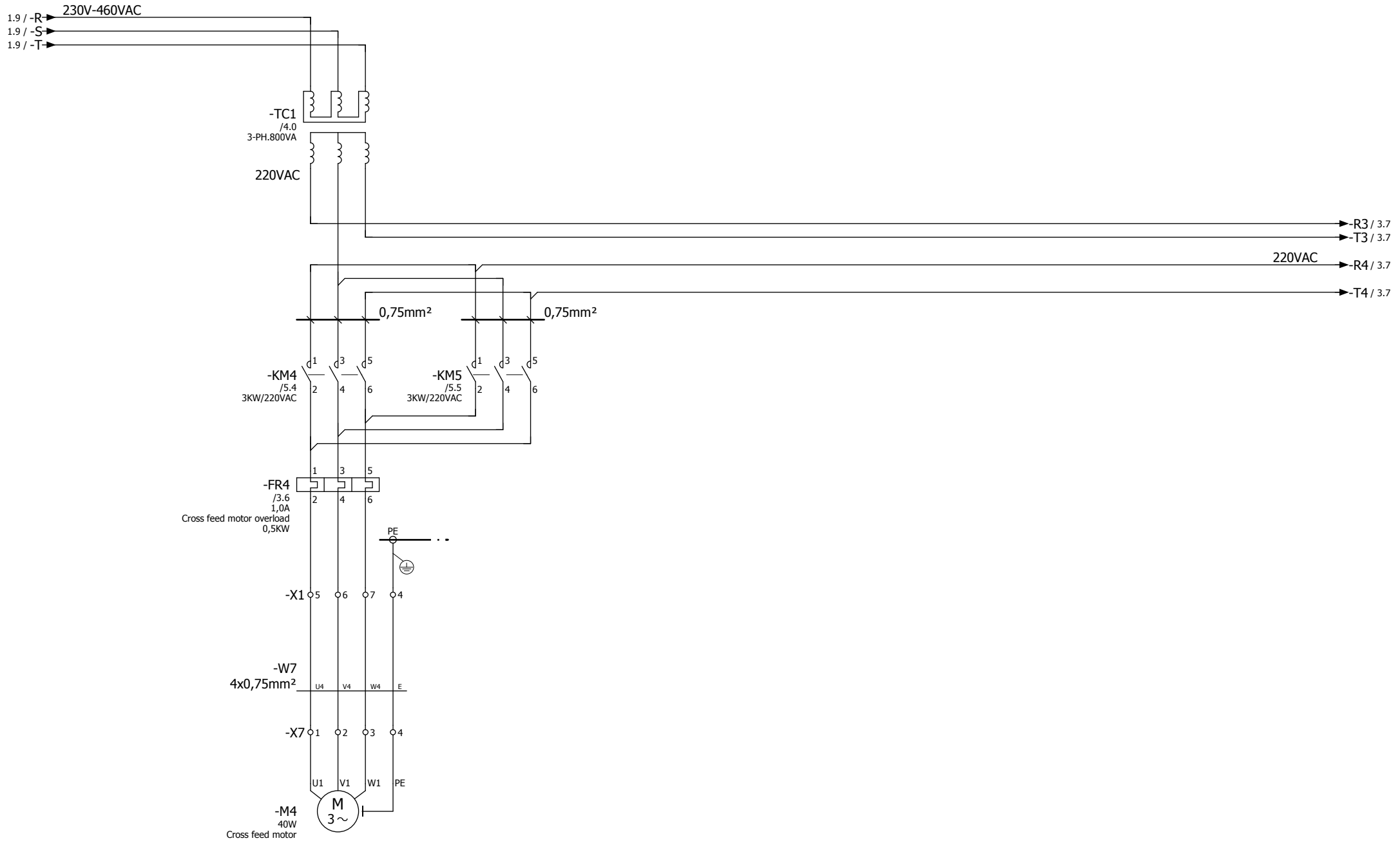
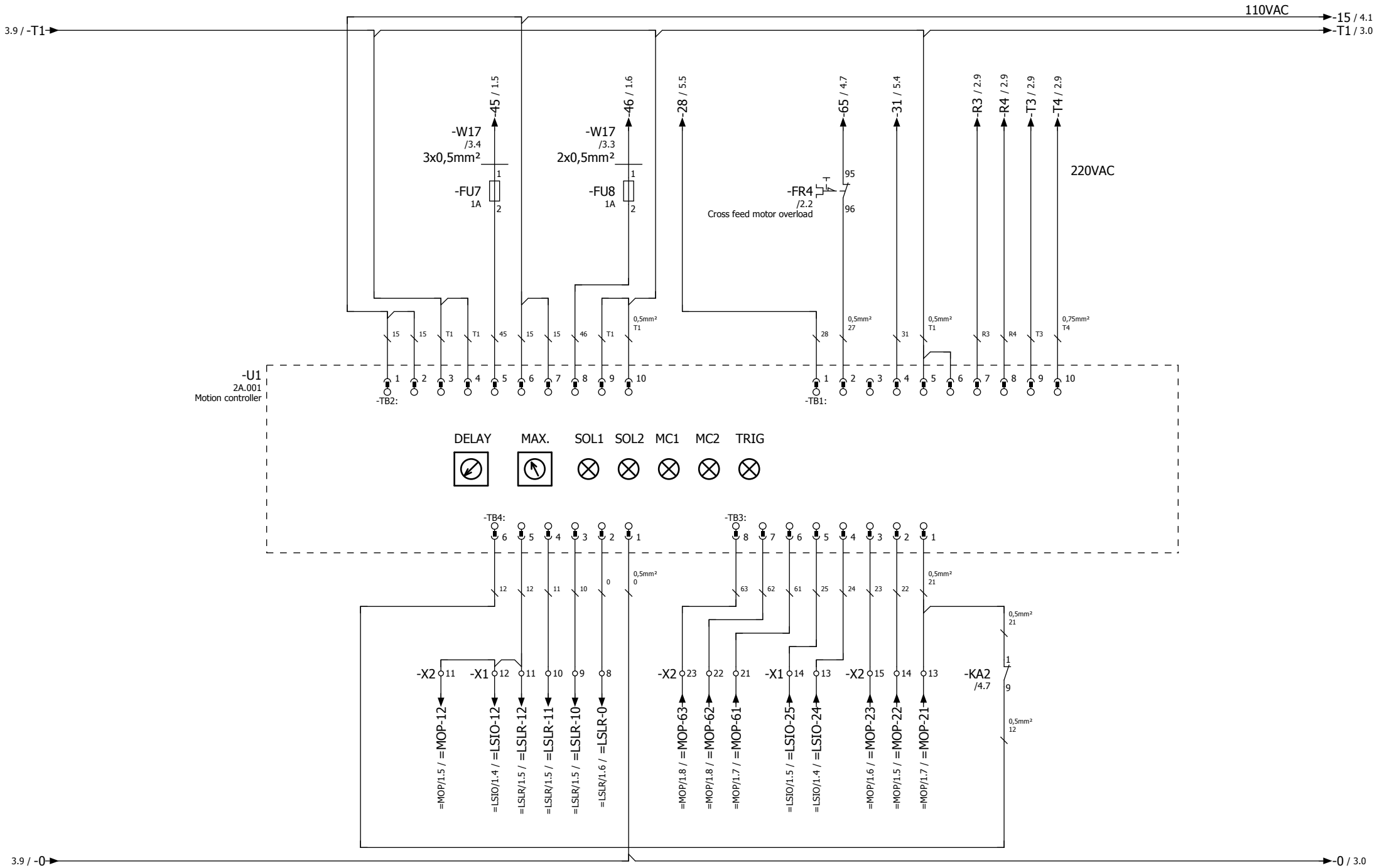
2

			Date	2013/6/10	SUPRA-818II AH Surface Grinding Machine	ACER GROUP	Main power		= CAB	
			Ed.						+	
			Appr					201402010	Page	1
Modification	Date	Name	Original		Replaced by	Replaced by			Page	25



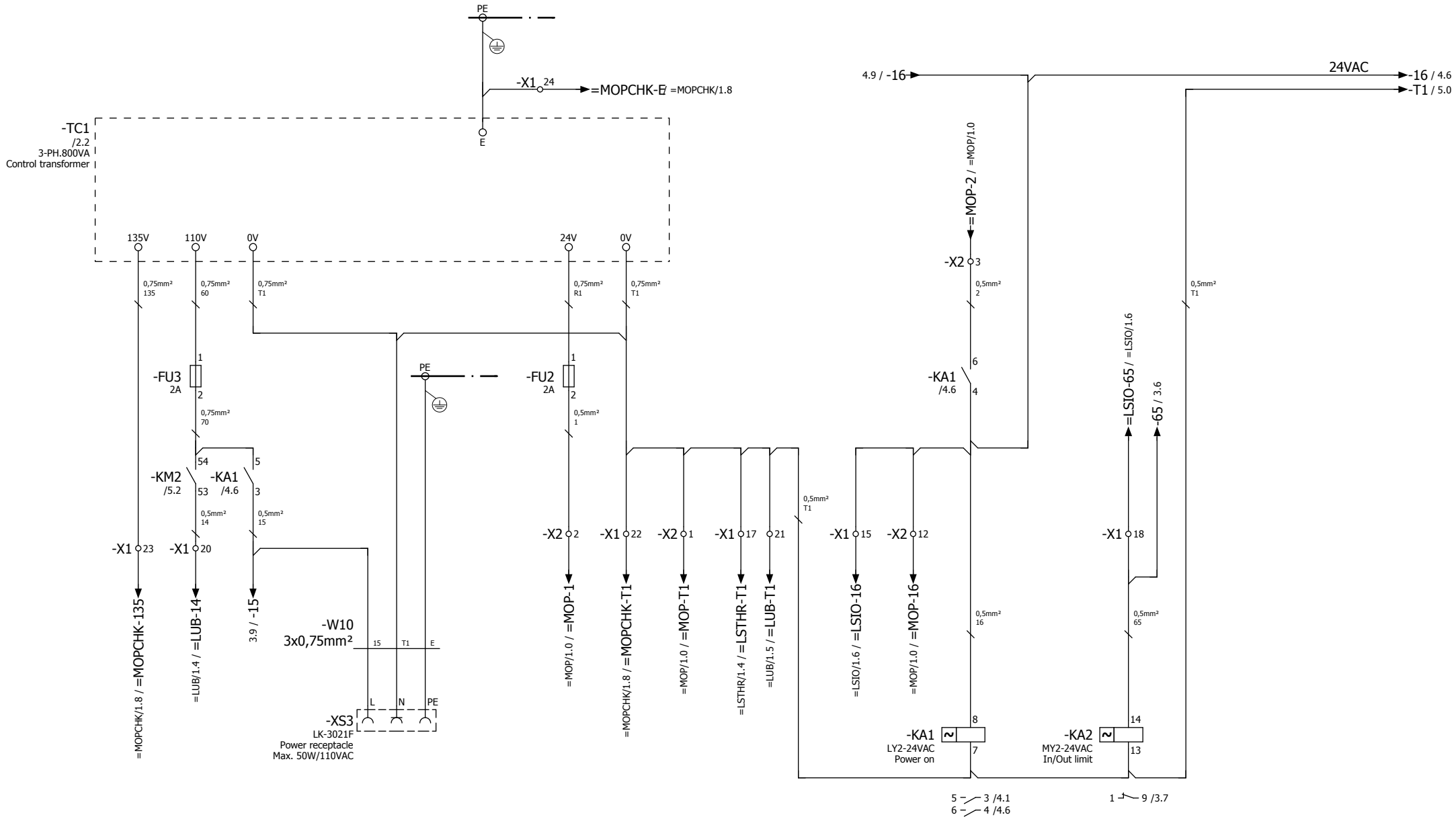
1 3

			Date	2013/6/10	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Cross feed motor drive		= CAB
			Ed.							+
			Appr						201402010	Page 2
Modification	Date	Name	Original		Replaced by	Replaced by				Page 25



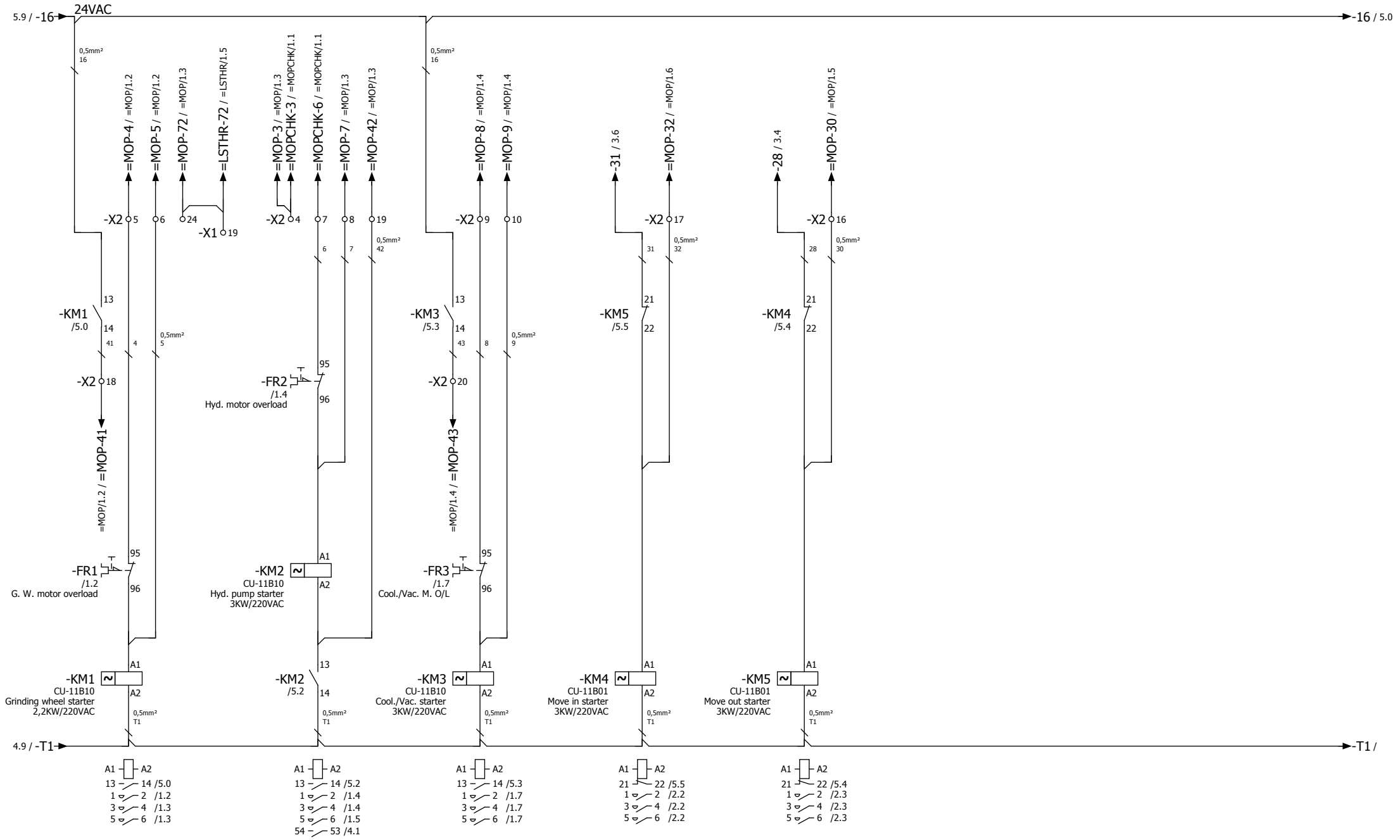
2 4

			Date	2013/6/10	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Left/rightward & in/outward motion drive		= CAB
			Ed.							+
			Appr						201402010	Page 3
Modification	Date	Name	Original		Replaced by	Replaced by				Page 25



3 5

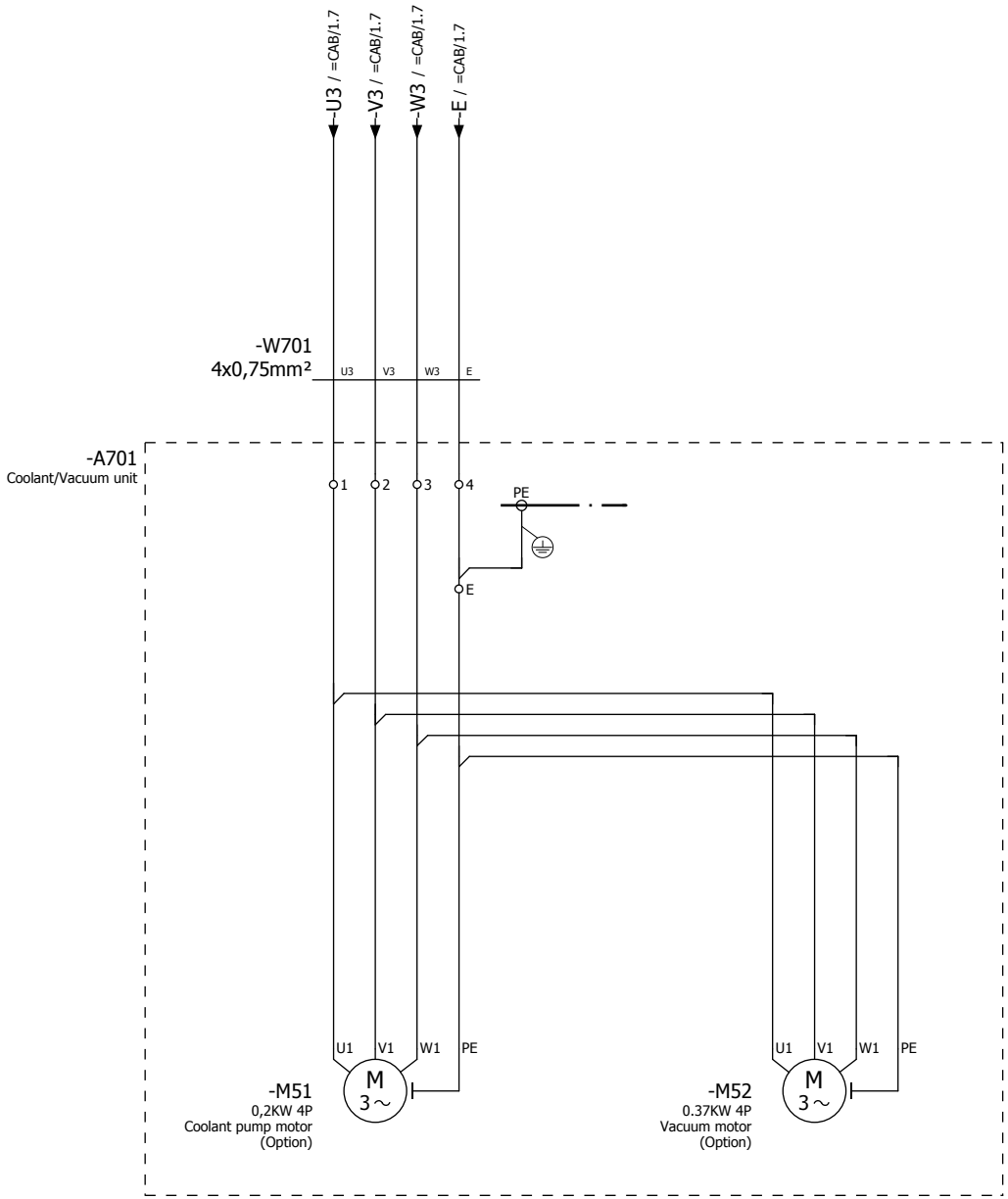
			Date	2013/6/10	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Control power		= CAB
			Ed.							+
			Appr						201402010	Page 4
Modification	Date	Name	Original		Replaced by	Replaced by				Page 25



4

=CLNT/1

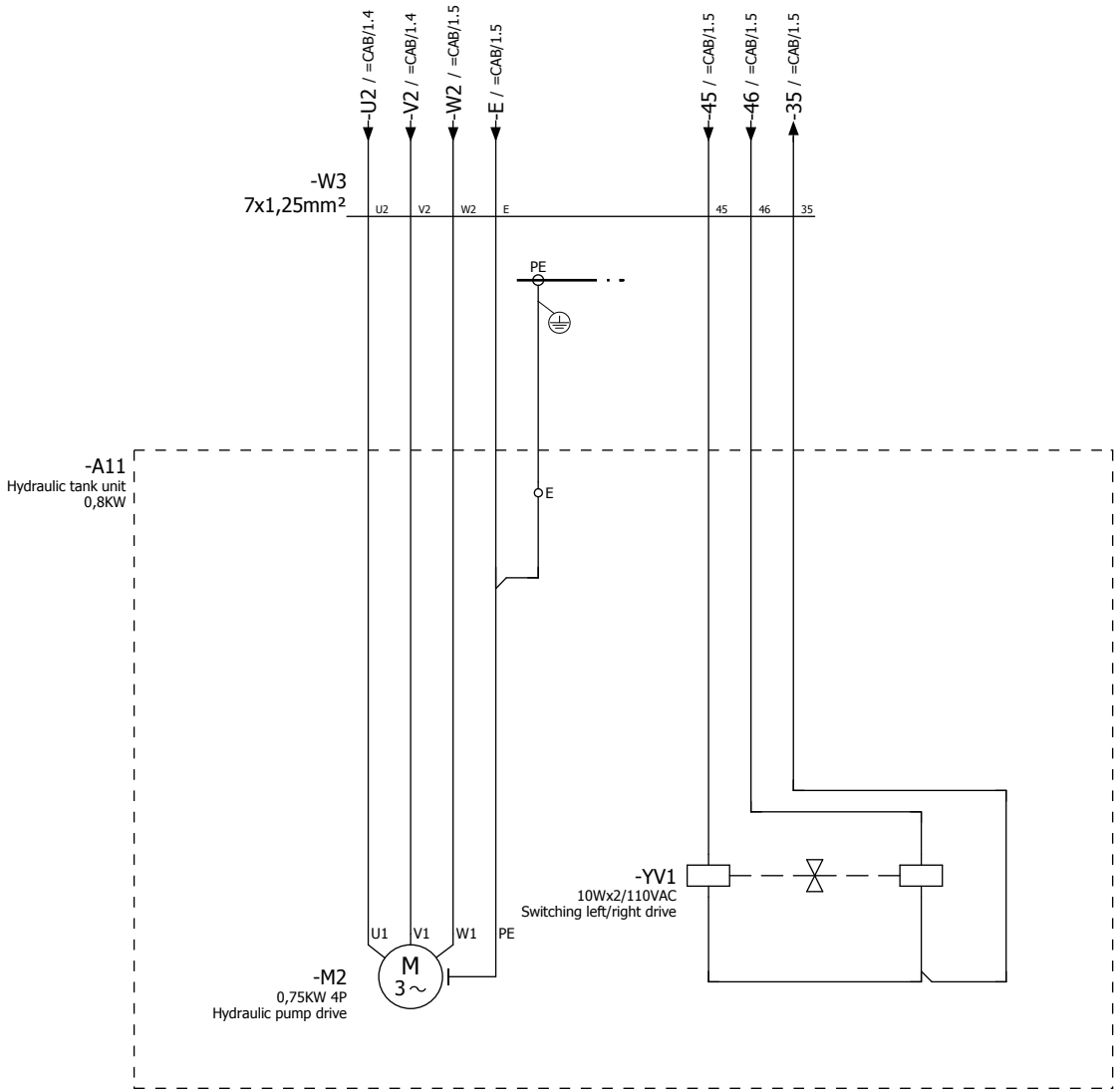
			Date	2013/6/10	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Control power		= CAB
			Ed.							+
			Appr						201402010	Page 5
Modification	Date	Name	Original		Replaced by	Replaced by				Page 25



=CAB/5

=HYDTNK/1

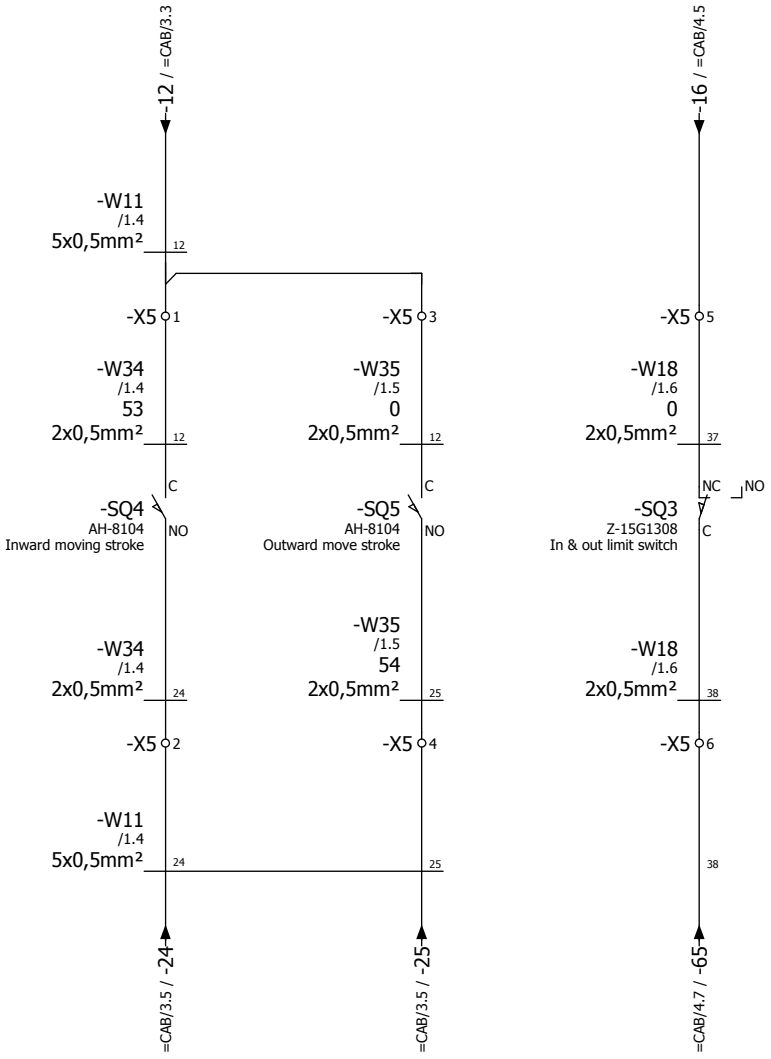
			Date	2013/6/6	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Coolant/Vacuum cleaner unit (Option)		= CLNT
			Ed.							+
			Appr						201402010	Page 1
Modification	Date	Name	Original		Replaced by	Replaced by				Page 25



=CLNT/1

=LSIO/1

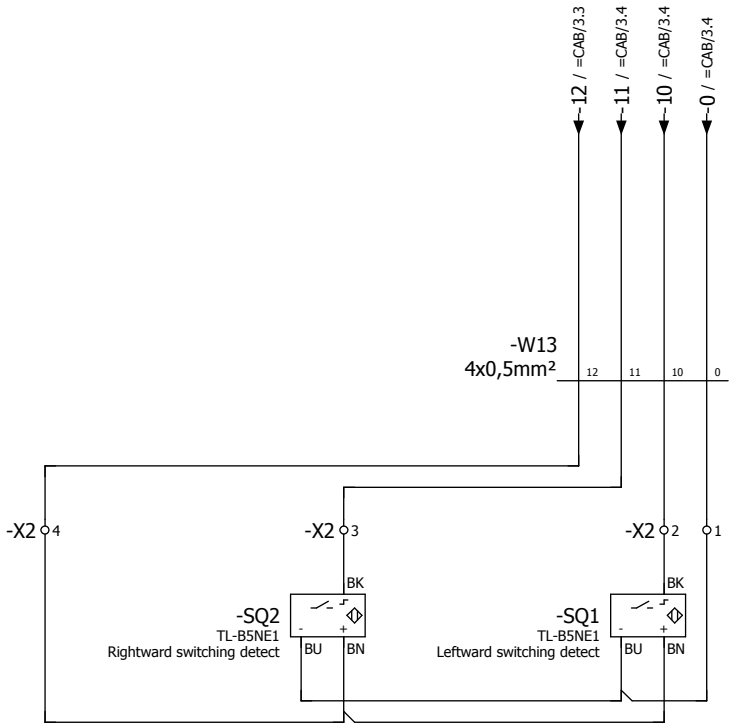
			Date	2013/6/6	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Hydraulic unit		= HYDTNK
			Ed.							+
			Appr						201402010	Page 1
Modification	Date	Name	Original		Replaced by	Replaced by				Page 25



=HYDTNK/1

=LSLR/1

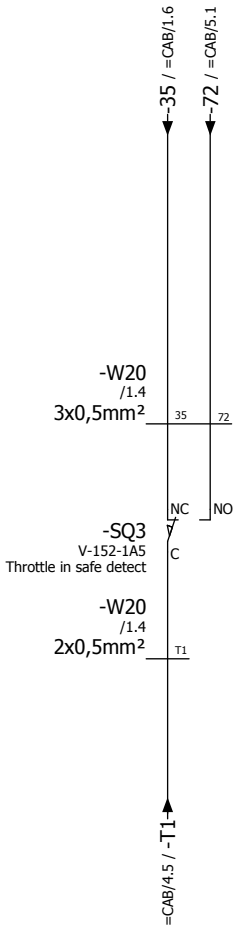
			Date	2013/6/10	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	In/Out limit switches		= LSIO
			Ed.							+
			Appr						201402010	Page 1
Modification	Date	Name	Original		Replaced by	Replaced by				Page 25



=LSIO/1

=LSTHR/1

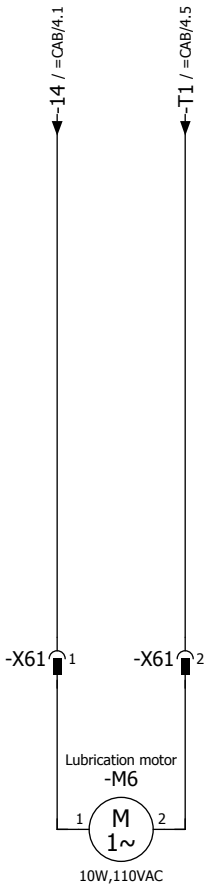
			Date	2013/6/10	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Left/rightward switching switches	= LSLR	
			Ed.						+	
			Appr					201402010	Page	1
Modification	Date	Name	Original		Replaced by	Replaced by			Page	25



=LSLR/1

=LUB/1

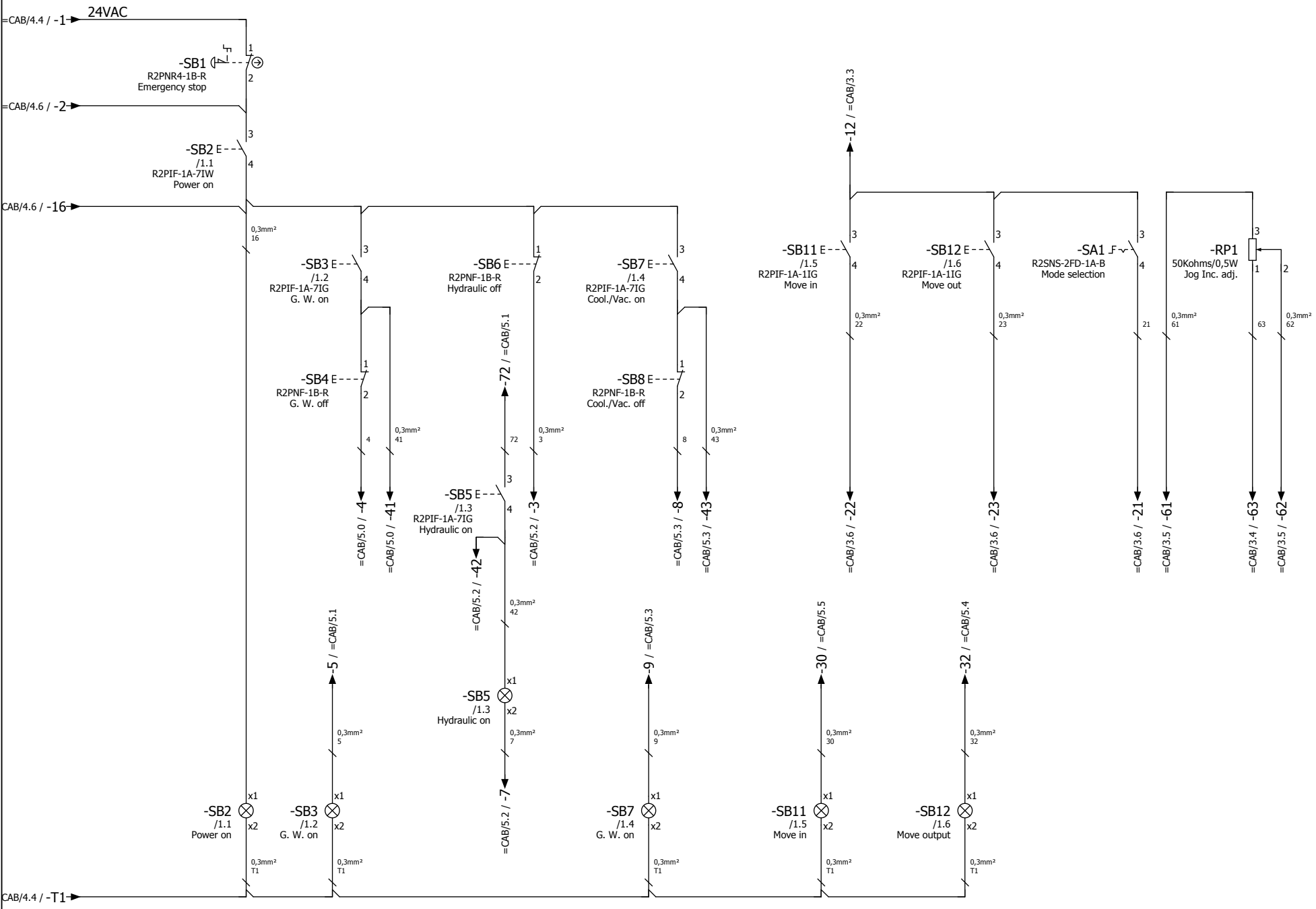
			Date	2013/6/10	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Throttle limit switches		= LSTHR
			Ed.							+
			Appr						201402010	Page 1
Modification	Date	Name	Original		Replaced by	Replaced by				Page 25



=LSTHR/1

=MOP/1

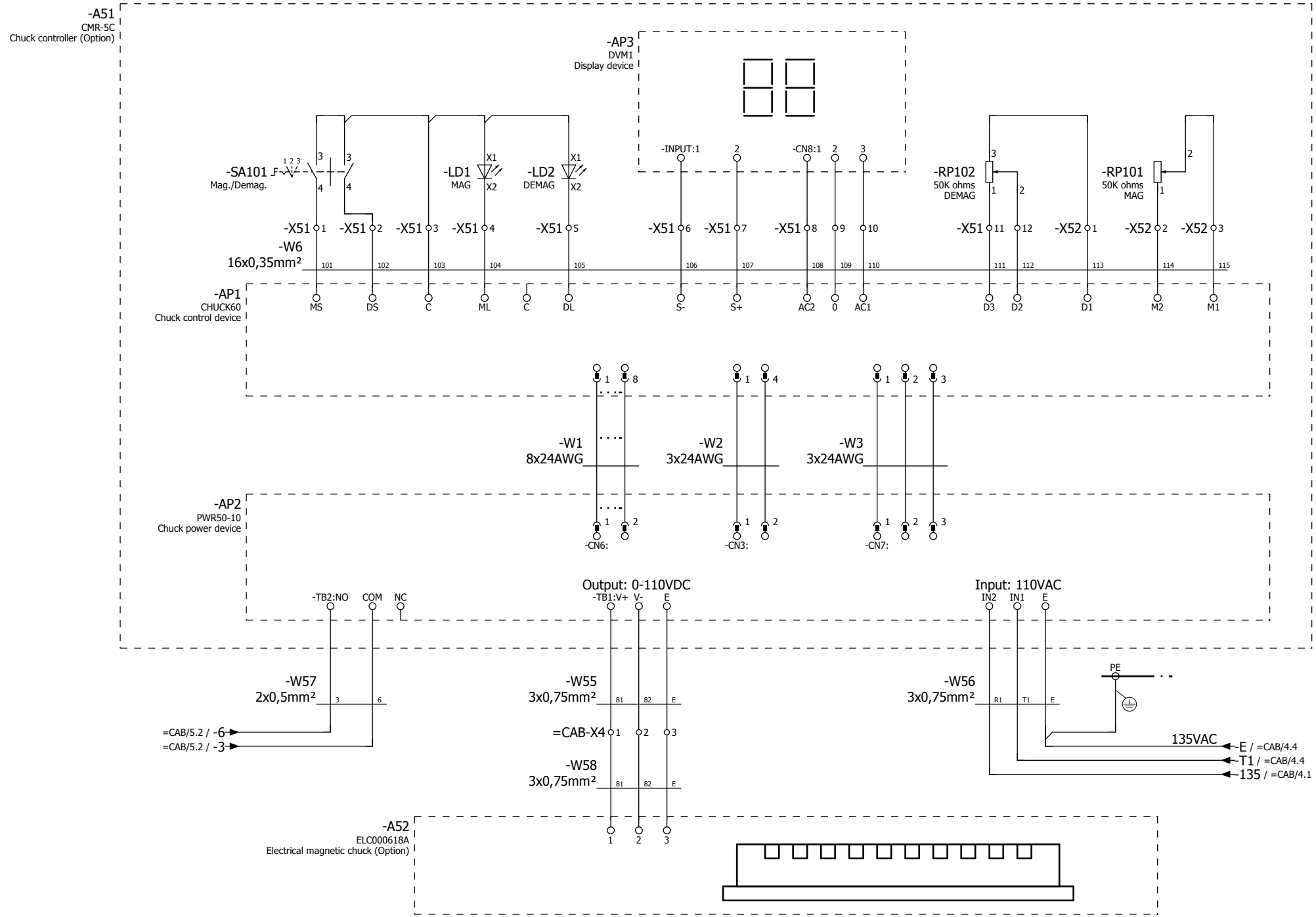
			Date	2013/6/10	SUPRA-818II AH Surface Grinding Machine	ACER GROUP	Slide guide lubrication unit		= LUB
			Ed.						+
			Appr					201402010	Page 1
Modification	Date	Name	Original		Replaced by	Replaced by			Page 25



=LUB/1

=MOPCHK/1

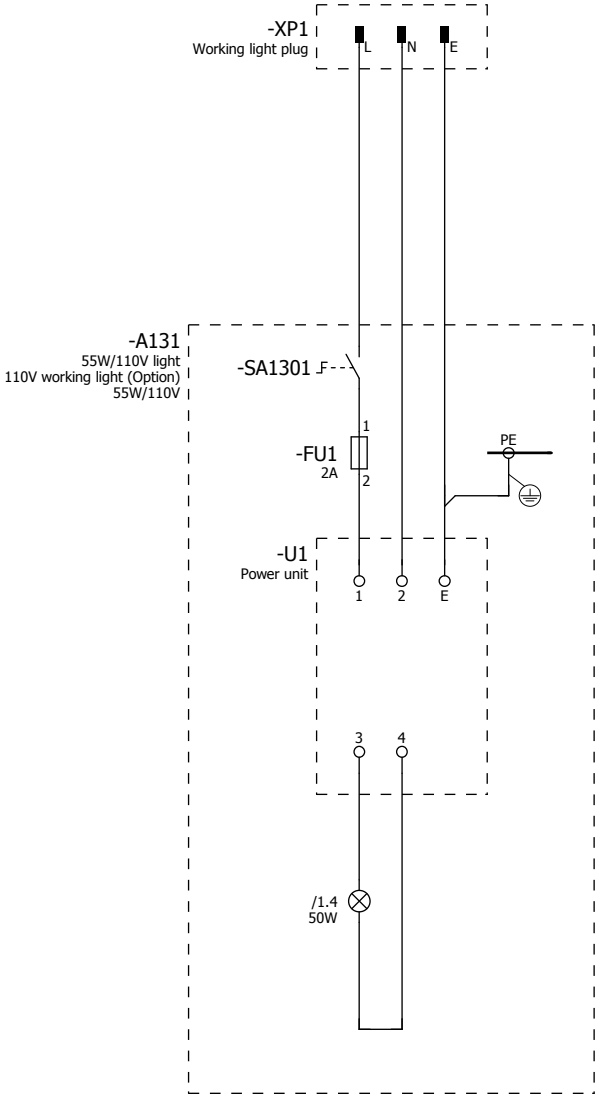
			Date	2013/6/10	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Operating panel		= MOP
			Ed.							+
			Appr						201402010	Page 1
Modification	Date	Name	Original		Replaced by	Replaced by				Page 25



=MOP/1

=WLIT/1

			Date	2013/6/10	SUPRA-818II AH Surface Grinding Machine	ACER GROUP	Chuck control unit (Option)		= MOPCHK	
			Ed.						+	
			Appr					201402010	Page	1
Modification	Date	Name	Original		Replaced by	Replaced by			Page	25



=MOPCHK/1

			Date	2013/6/7	SUPRA-818II AH Surface Grinding Machine		ACER GROUP	Working lamp		= WLIT
			Ed.							+
			Appr						201402010	Page 1
Modification	Date	Name	Original		Replaced by	Replaced by				Page 25