

INDEX

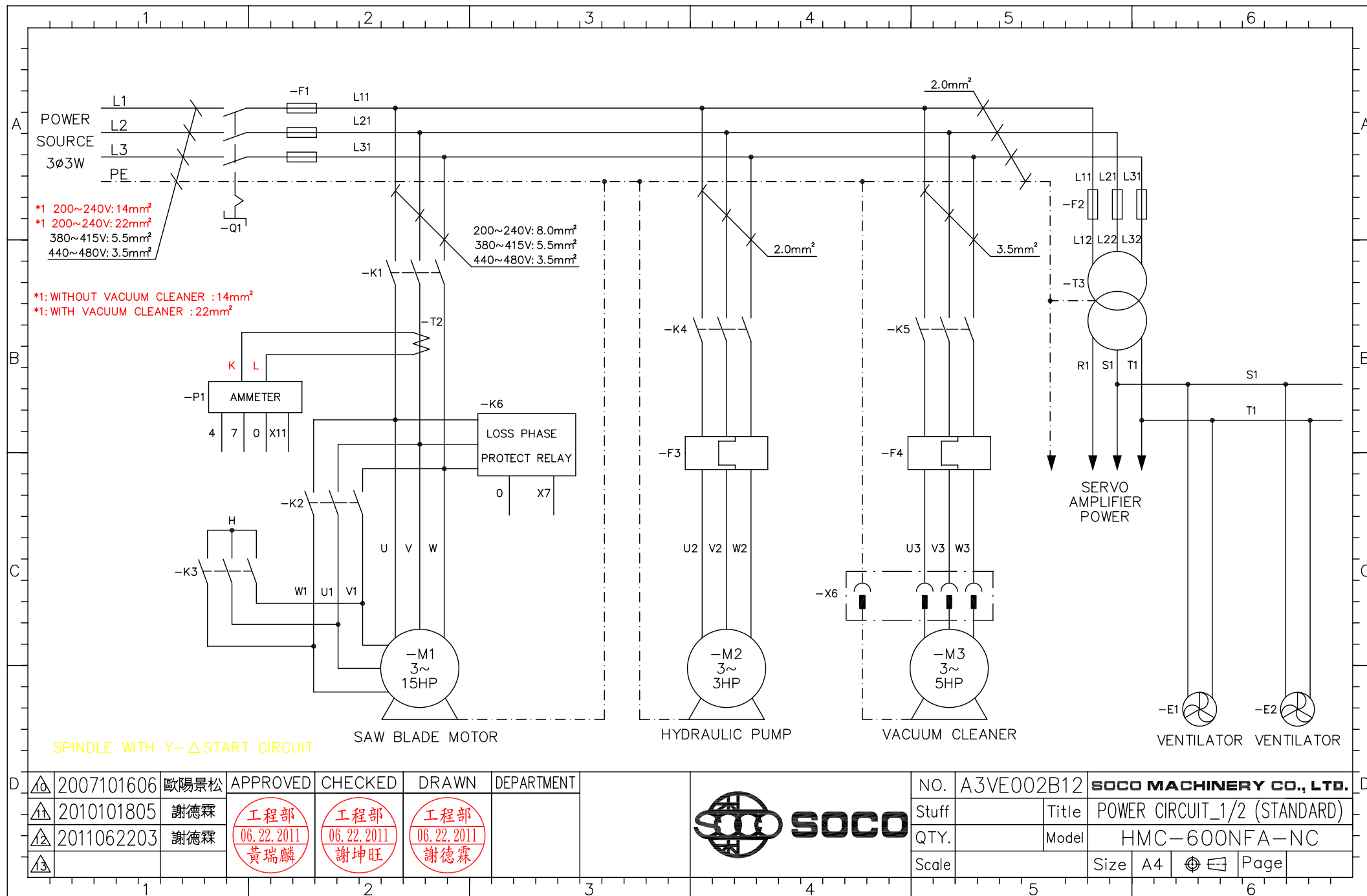
NO.	DRAW NO.	DESCRIPTION
01	A3VE001B14	INDEX
02	A3VE002B12	POWER CIRCUIT 1/2 (STANDARD)
03	A3VE003B12	POWER CIRCUIT 1/2 (INVERTER)
04	A3VE004B12	POWER CIRCUIT 2/2
05	A3VE005B13	EMERGENCY STOP CIRCUIT
06	A3VE006B13	FEED SERVO MOTOR CIRCUIT
07	A3VE007B12	PLC INPUT CIRCUIT
08	A3VE009B12	PLC OUTPUT CIRCUIT
09	A3VE011B12	OUTPUT RELAY CIRCUIT
10	A3VE014B13	POWER PANEL LAYOUT (STANDARD)
11	A3VE015B13	POWER PANEL LAYOUT (INVERTER)
12	A3VE016B13	CONTROL PANEL LAYOUT
13	A3VE017B12	OPERATION PANEL LAYOUT (STANDARD)
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18	A3VE022B13	PARTS LIST 2/6
19	A3VE023B12	PARTS LIST_3/6
20	A3VE024B13	PARTS LIST_4/6
21	A3VE025B12	PARTS LIST_5/6

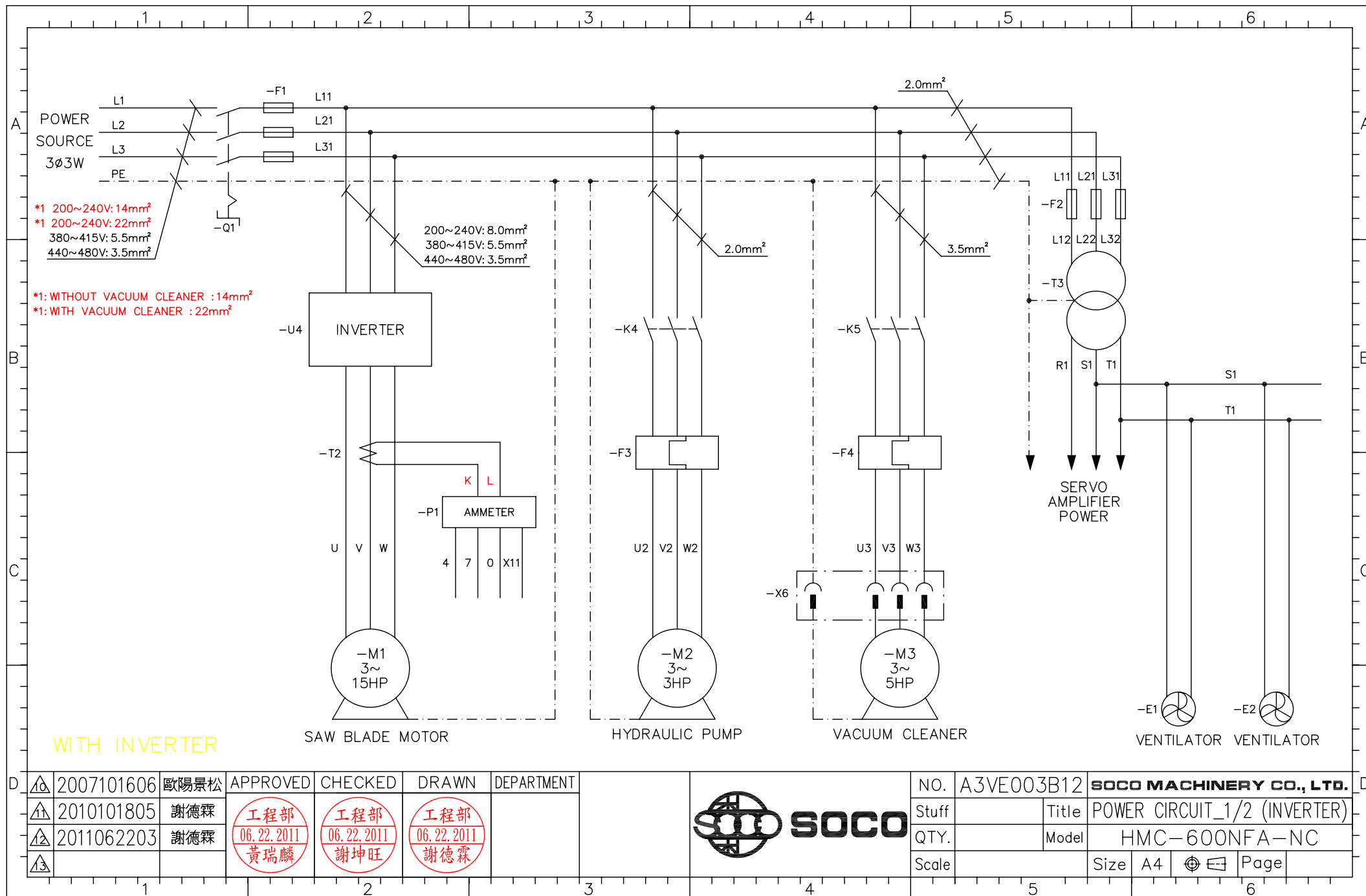
NO.	DRAW NO.	DESCRIPTION
22	A3VE026B11	PARTS LIST_6/6
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24		
25		
26		
27		
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31		
32		
33		
34		
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41		
42		

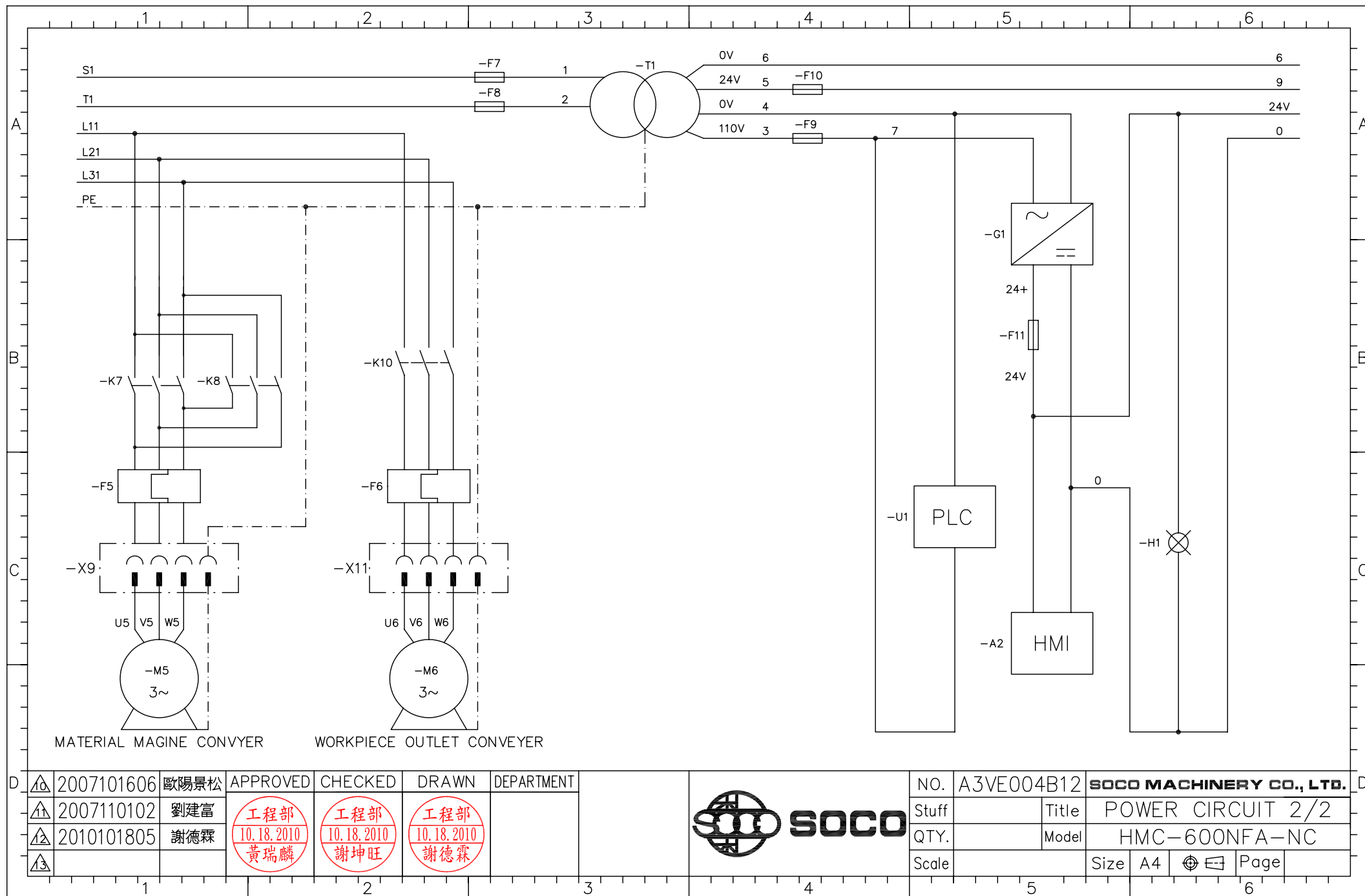
△A	2011062203	謝德霖	APPROVED	CHECKED	DRAWN	DEPARTMENT
△B			工程部 06.22.2011 黃瑞麟	工程部 06.22.2011 謝坤旺	工程部 06.22.2011 謝德霖	
△C						
△D						

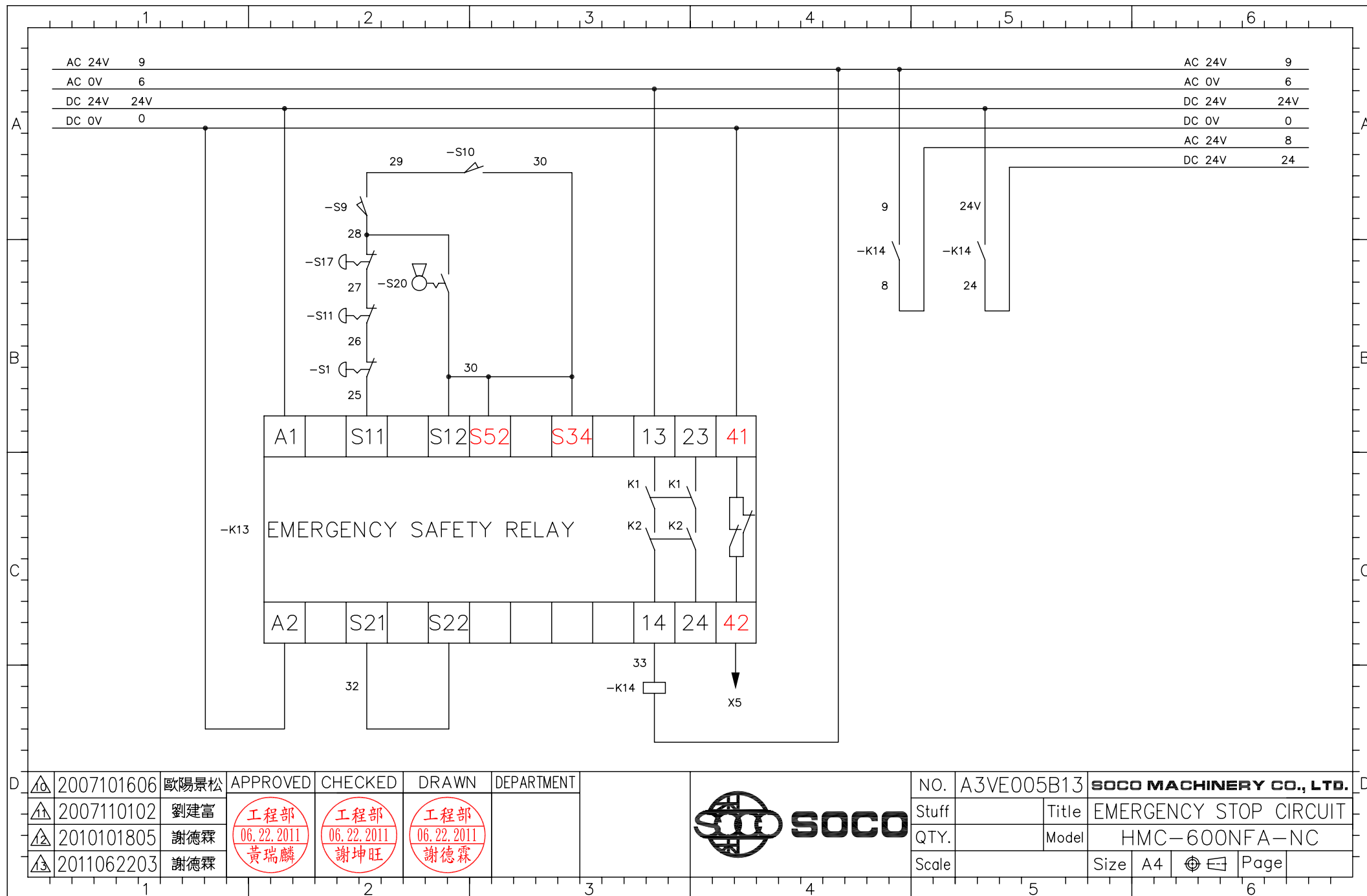


NO.	A3VE001B14	SOCO MACHINERY CO., LTD.			
Stuff		Title	INDEX		
QTY.		Model	HMC-600NFA-NC		
Scale		Size	A4	Page	









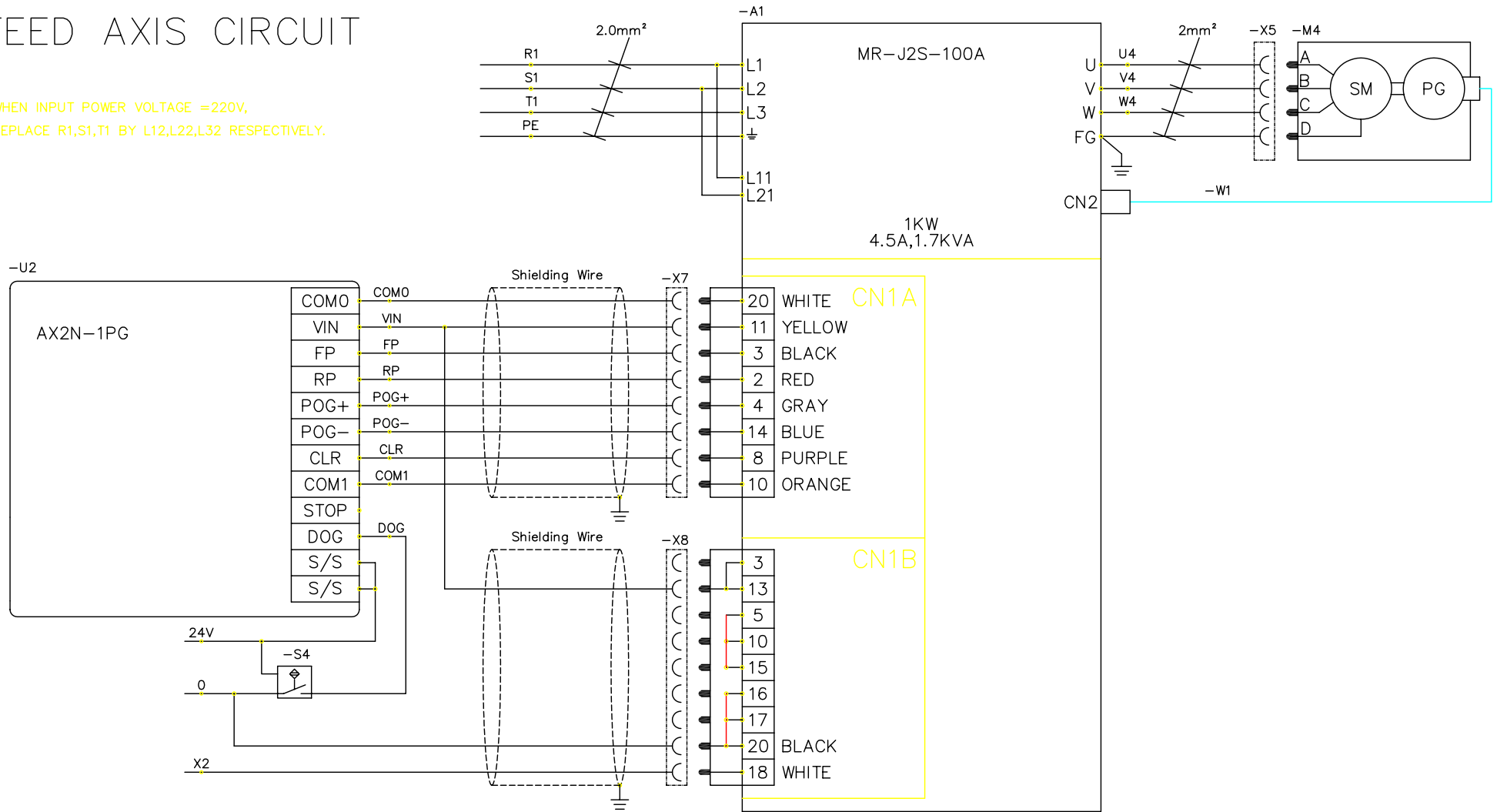
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△	2007110102	劉建富	工程 06.22.2011	工程 06.22.2011	工程 06.22.2011	
△	2010101805	謝德霖	黃瑞麟	謝坤旺	謝德霖	
△	2011062203	謝德霖				



NO.	A3VE005B13	SOCO MACHINERY CO., LTD.			
Stuff		Title	EMERGENCY STOP CIRCUIT		
QTY.		Model	HMC-600NFA-NC		
Scale		Size	A4	Page	

FEED AXIS CIRCUIT

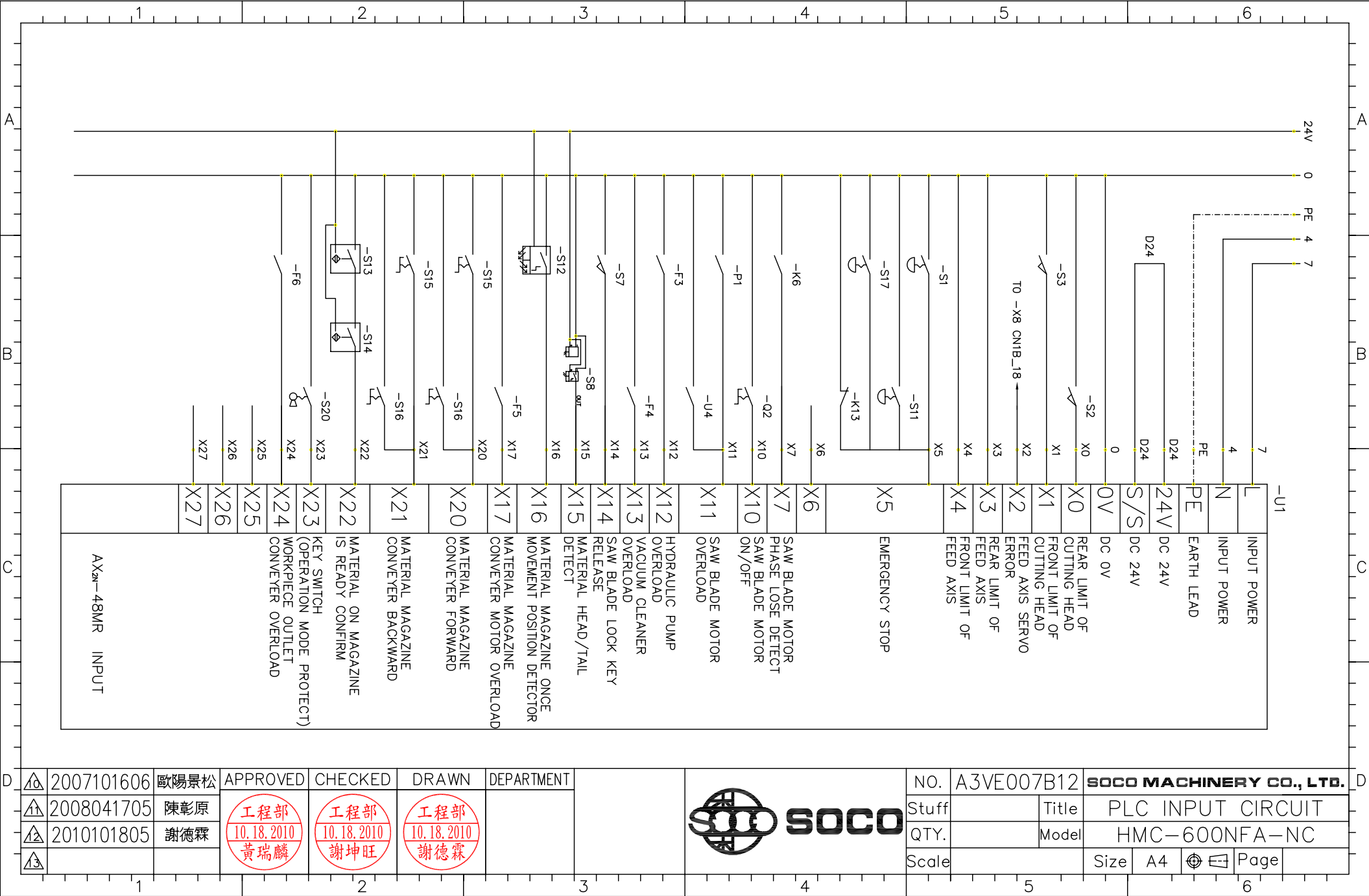
WHEN INPUT POWER VOLTAGE =220V,
REPLACE R1,S1,T1 BY L12,L22,L32 RESPECTIVELY.



△	2007101606	歐陽景松	APPROVED	CHECKED	DRAWN	DEPARTMENT
△	2008041705	陳彰原	工程 06.22.2011	工程 06.22.2011	工程 06.22.2011	
△	2010101805	謝德霖	黃瑞麟	謝坤旺	謝德霖	
△	2011062203	謝德霖				



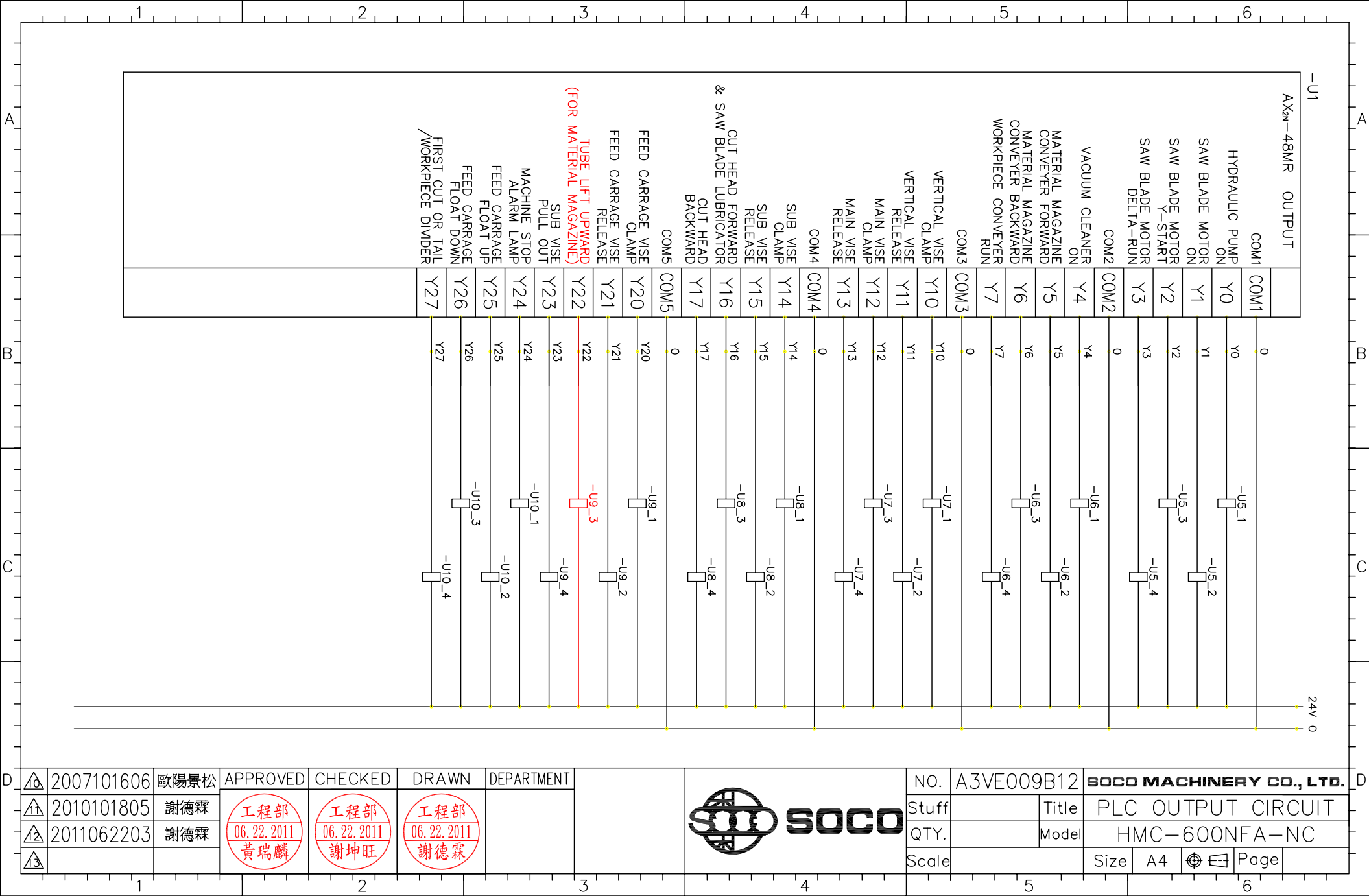
NO.	A3VE006B13	SOCO MACHINERY CO., LTD.			
Stuff		Title	FEED AXIS CIRCUIT		
QTY.		Model	HMC-600NFA-NC		
Scale		Size	A4	Page	



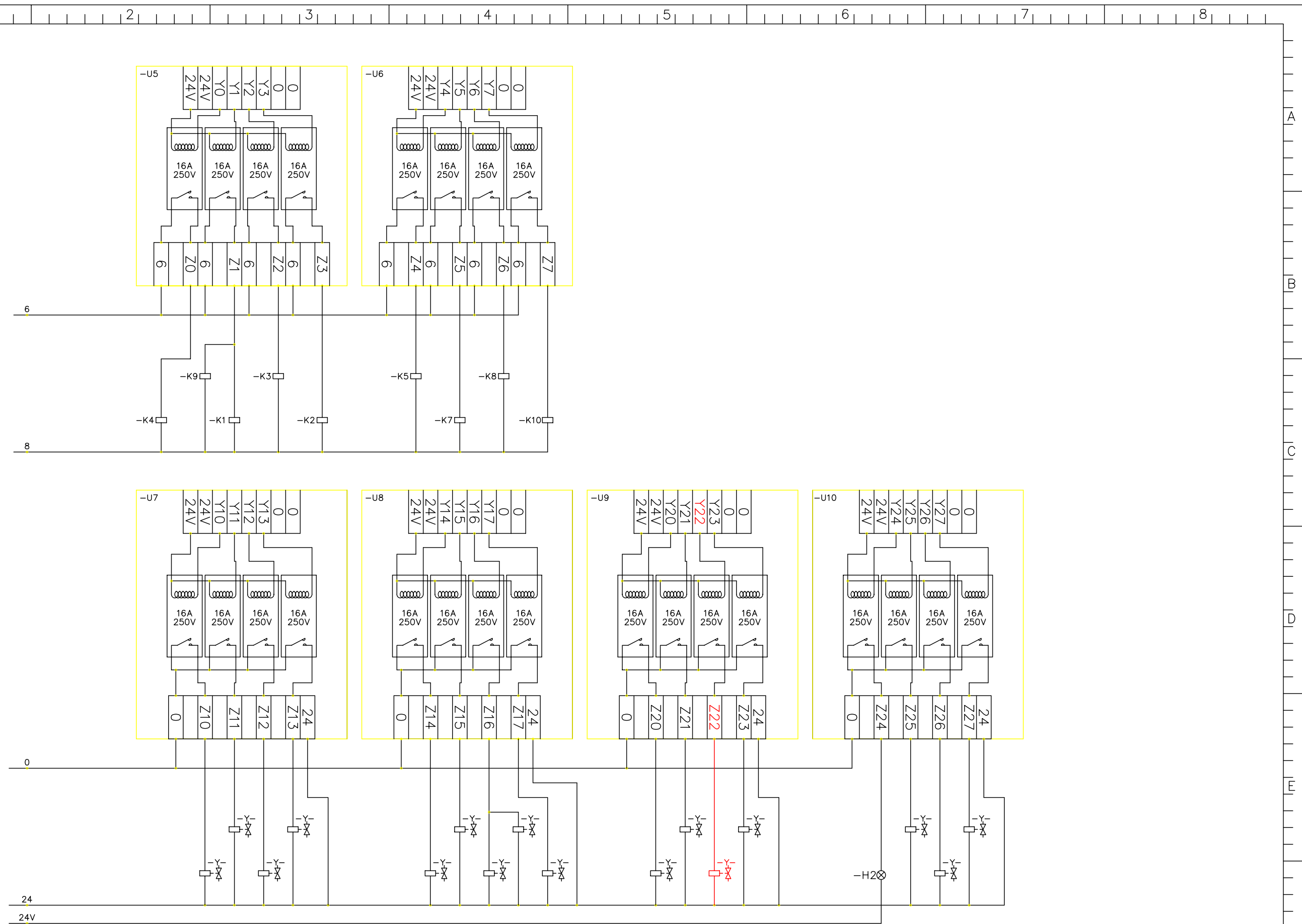
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△1	2008041705	陳彰原	工程部 10.18.2010 黃瑞麟	工程部 10.18.2010 謝坤旺	工程部 10.18.2010 謝德霖	
△2	2010101805	謝德霖				
△3						



No.	A3VE007B12	SOCO MACHINERY CO., LTD.			
Stuff		Title	PLC INPUT CIRCUIT		
QTY.		Model	HMC-600NFA-NC		
Scale		Size	A4	Page	



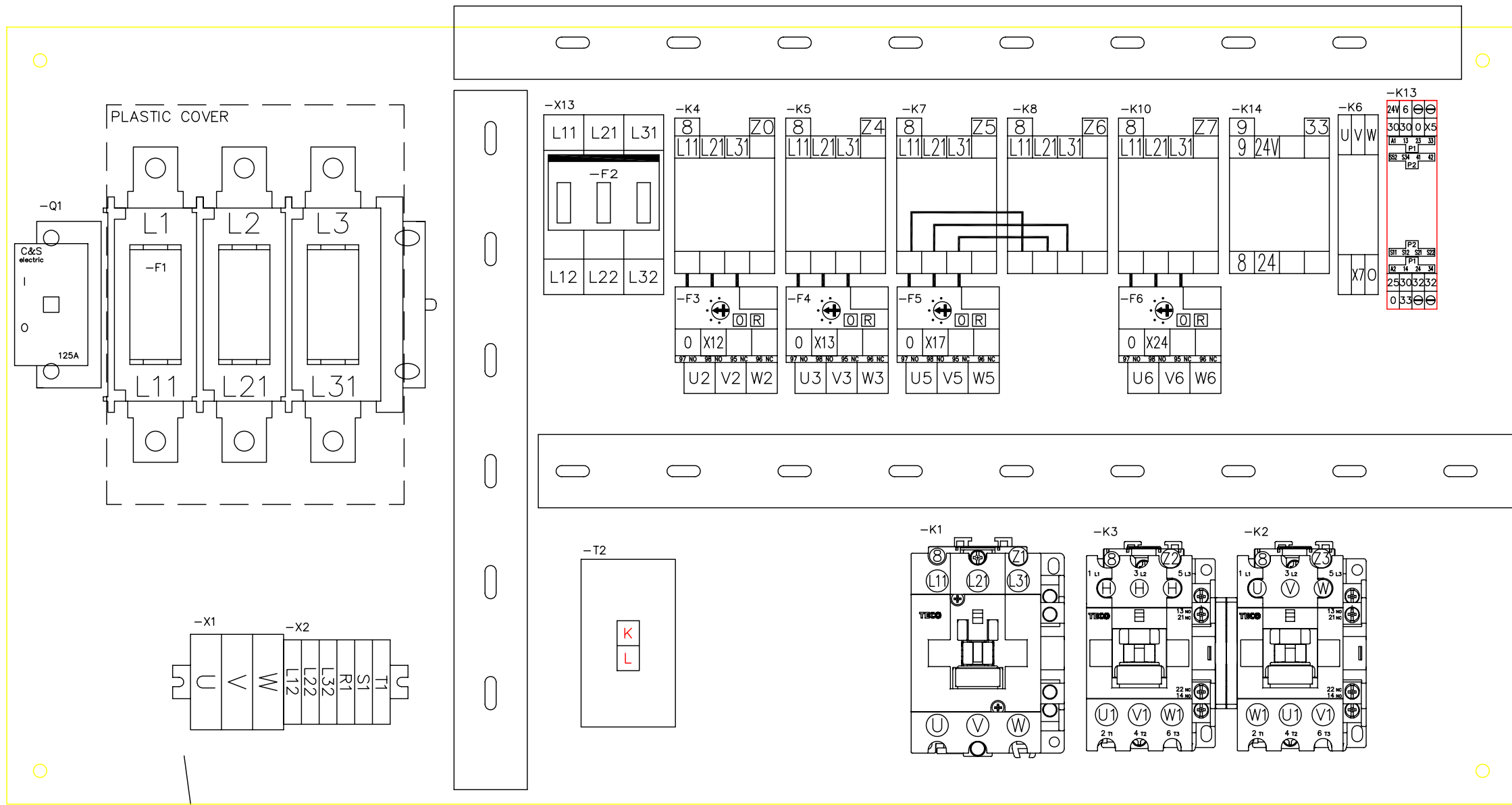
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2010101805	謝德霖	工程部 06.22.2011 黃瑞麟	工程部 06.22.2011 謝坤旺	工程部 06.22.2011 謝德霖			Stuff		Title	PLC OUTPUT CIRCUIT	
2011062203	謝德霖						QTY.		Model	HMC-600NFA-NC	
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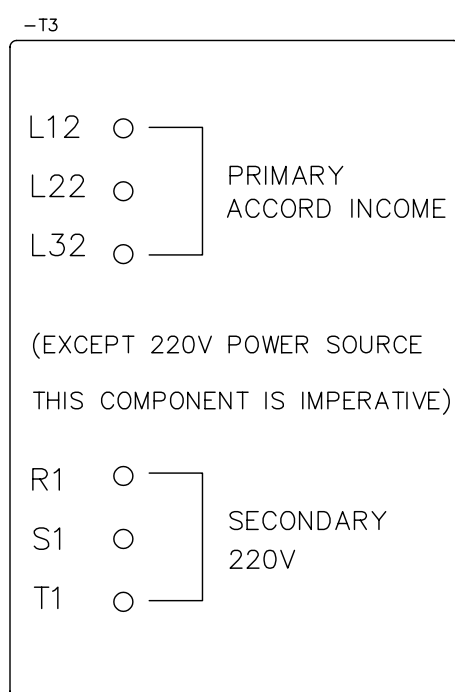
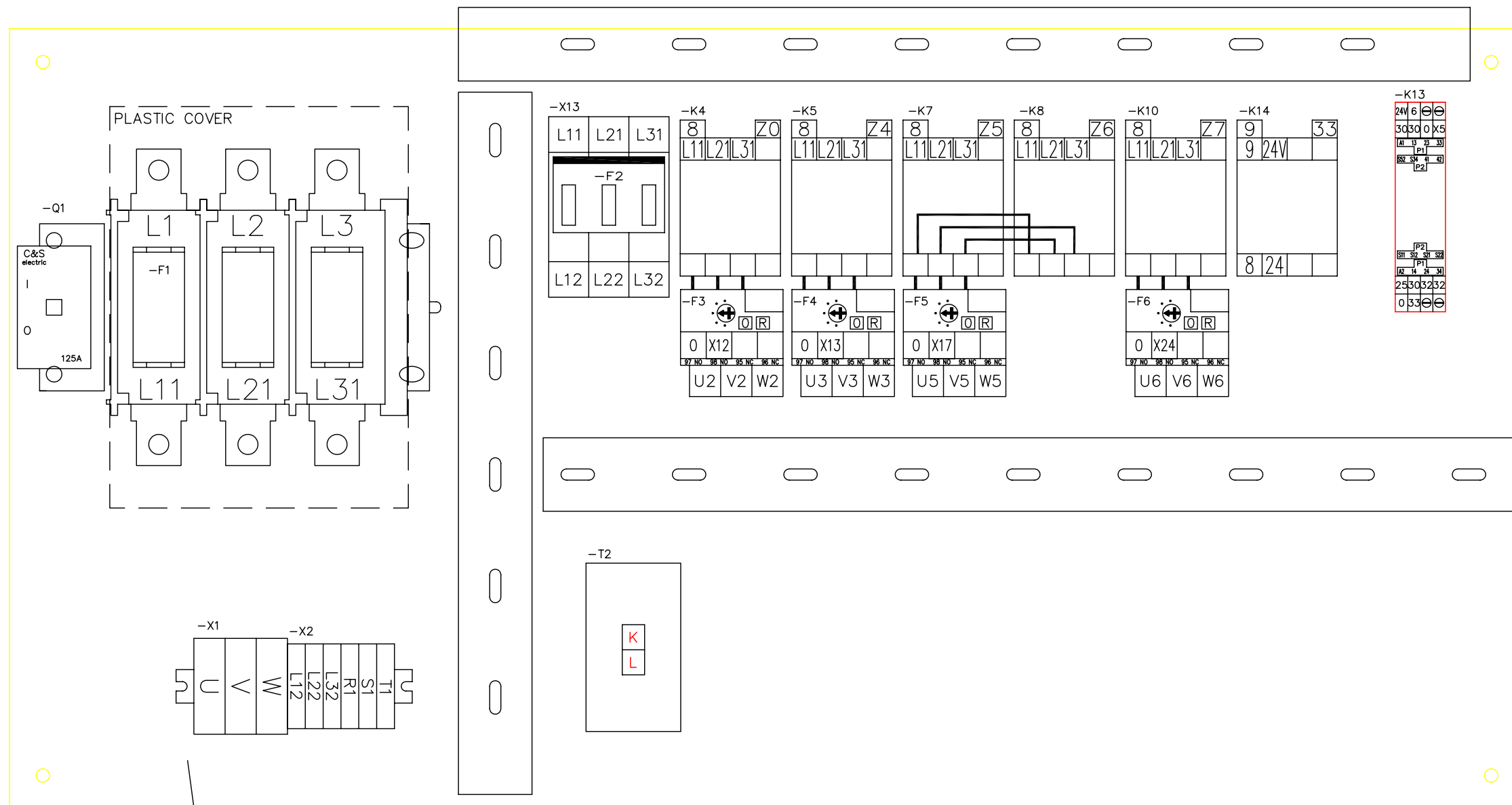


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△2	2011062203	謝德霖				
△3						

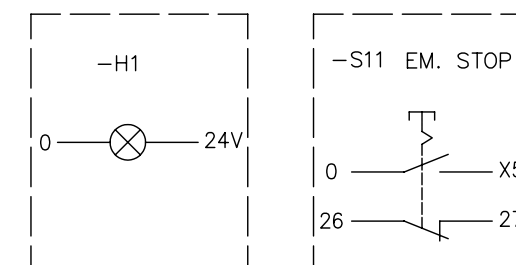
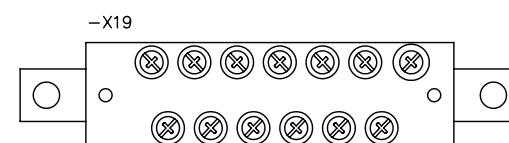


No.	A3VE0011B12	SOCO MACHINERY CO., LTD.			
Stuff		Title	OUTPUT RELAY CIRCUIT		
QTY.		Model	HMC-600NFA-NC		
Scale	1:1.3	Size	A3	Page	





WHEN POWER SOURCE IS 220V, THEN -T3 TRANSFORMER
IS NOT NECESSARY AND THESE TERMINAL HAVE SHORT CUT.
(L12 → R1 L22 → S1 L32 → T1)

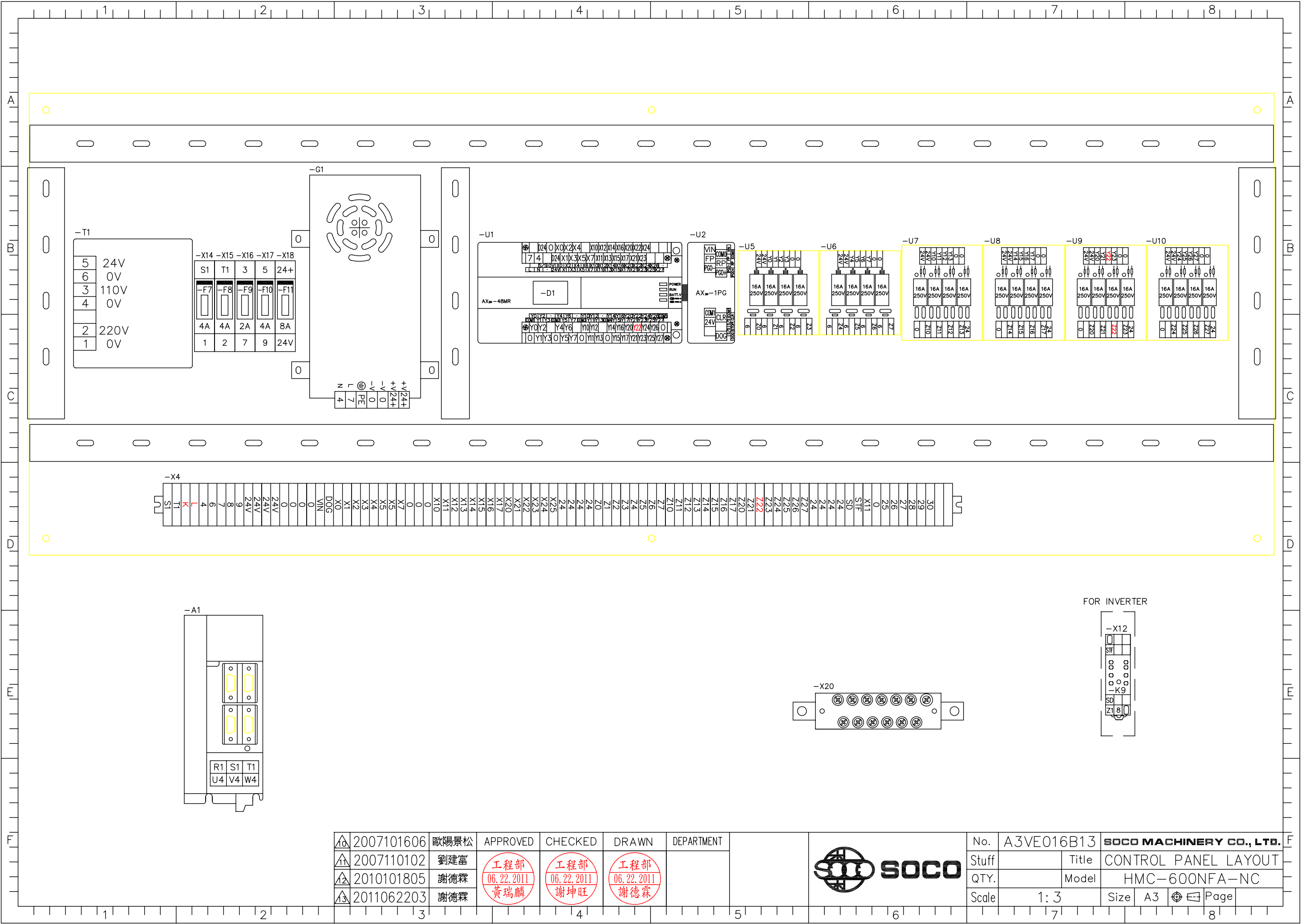


SAW BLADE MOTOR SPEED CONTROL WITH INVERTER

△0	2007101606	歐陽景松	APPROVED	CHECKED	DRAWN	DEPARTMENT
△1	2007110102	劉建富	工程 06.22.2011	工程 06.22.2011	工程 06.22.2011	
△2	2010101805	謝德霖	黃瑞麟	謝坤旺	謝德霖	
△3	2011062203	謝德霖				



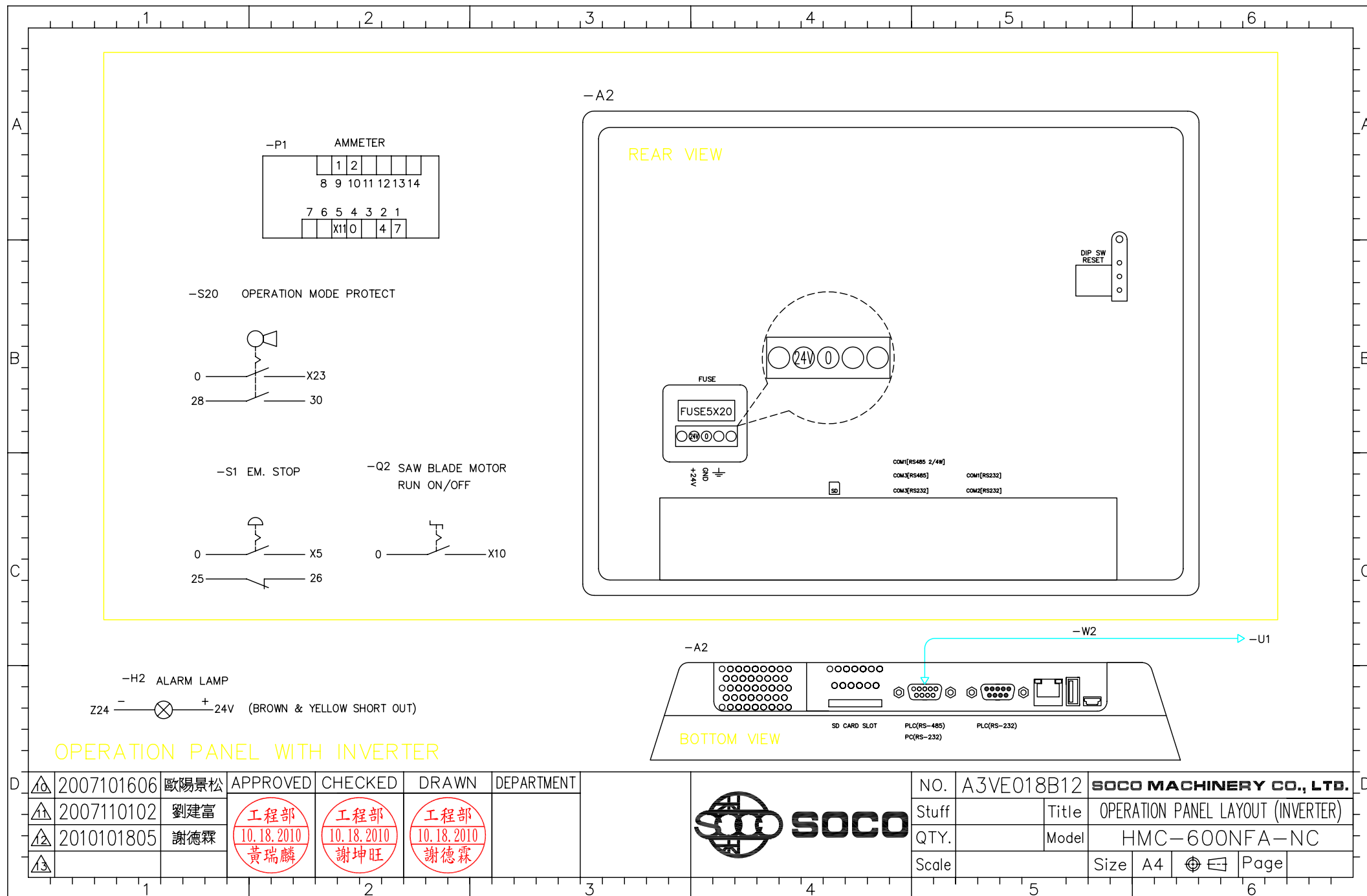
No.	A3VE015B13	SOCO MACHINERY CO., LTD.	
Stuff		Title	POWER PANEL LAYOUT (INVERTER)
QTY.		Model	HMC-600NFA-NC
Scale	1: 2.3	Size	A3
		Page	



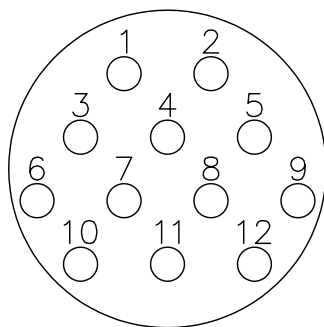
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△1	2007110102	劉建富	工程 06.22.2011	工程 06.22.2011	工程 06.22.2011	
△2	2010101805	謝德霖	黃瑞麟	謝坤旺	謝德霖	
△3	2011062203	謝德霖				



No.	A3VE016B13	SOCO MACHINERY CO., LTD.			
Stuff		Title	CONTROL PANEL LAYOUT		
QTY.		Model	HMC-600NFA-NC		
Scale	1: 3	Size	A3	Page	

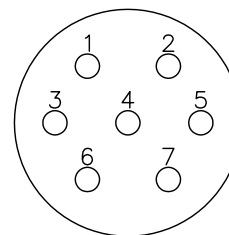


-X10



PIN	SIGNAL
1	0
2	X5
3	X16
4	X20
5	X21
6	X22
7	27
8	24V
9	28
10	
11	
12	

-X11



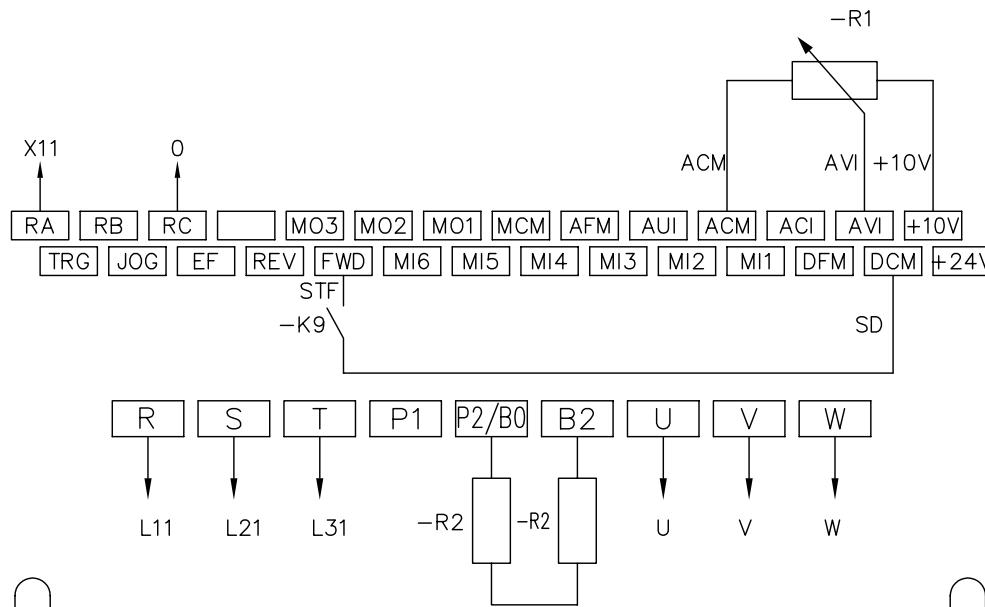
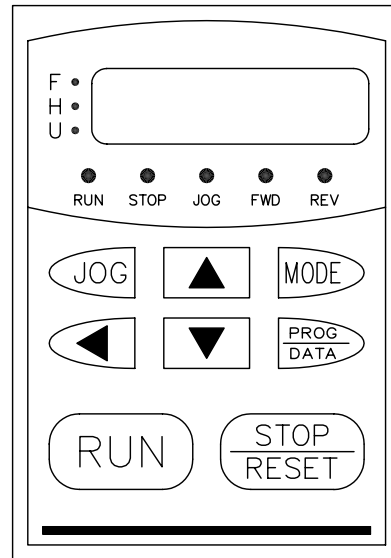
PIN	SIGNAL
1	U6
2	V6
3	W6
4	GROUND
5	Z27
6	24
7	

△	2007101606	歐陽景松	APPROVED	CHECKED	DRAWN	DEPARTMENT
△	2007110102	劉建富	工程 10.18.2010	工程 10.18.2010	工程 10.18.2010	
△	2010101805	謝德霖	黃瑞麟	謝坤旺	謝德霖	
△						

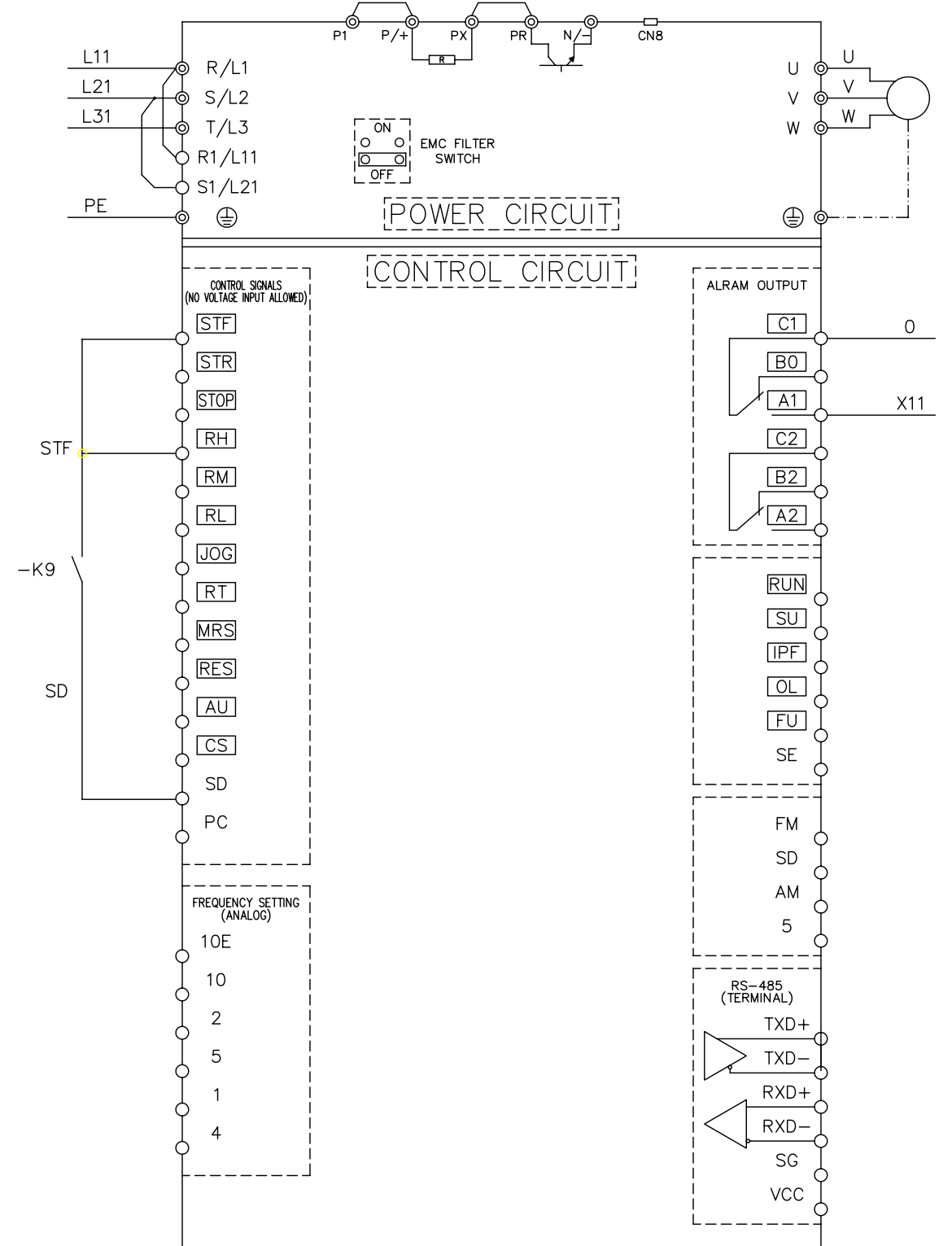


NO.	A3VE019B12		SOCO MACHINERY CO., LTD				
Stuff		Title	CABLE CONNECTOR LAYOUT				
QTY.		Model	HMC-600NFA-NC				
Scale		Size	A4			Page	

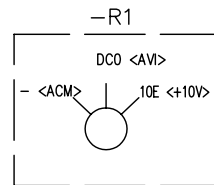
-U4 INVERTER WITH DELTA



-U4 INVERTER WITH MITSUBISHI



INVERTER SPEED CONTROL



△0	2007101606	歐陽景松	APPROVED	CHECKED	DRAWN	DEPARTMENT
△1	2010101805	謝德霖	工程 10.18.2010 黃瑞麟	工程 10.18.2010 謝坤旺	工程 10.18.2010 謝德霖	
△2						
△3						



No.	A3VE020B11	SOCO MACHINERY CO., LTD.	
Stuff		Title	INVERTER LAYOUT
QTY.		Model	HMC-600NFA-NC
Scale	1:1.5	Size	A3
		Page	

1		2		3		4		5		6				
A	ITEM		PART NUM.	DESCRIPTION		TYPE		QT'Y						
	-A1		WN0034	SERVO MOTOR AMPLIFIER 伺服驅動器		<MITSUBISHI>MR-J2S-100A		01						
	-A2		WK0174	HMI 觸控螢幕		<EASYVIEW>MT-6100I		01						
	-D1		WN0125	EEPROM 記憶盒		<SHIH LIN>AX-EEPROM-16K		01						
	-E1,-E2		WX0012	VENTILATOR 通風過濾網風扇組		<KAKU>FU-9703C-2S		02						
	-F1 (200~240V)		WD0076	FUSE 保險絲		MH00-AM-80A		03						
	-F1 (380~415V)		WD0165	FUSE 保險絲		MH00-AM-50A		03						
	-F1 (440~480V)		WD0164	FUSE 保險絲		MH00-AM-40A		03						
B	-F3 (200~240V)		WD0395	THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 7.2-10A		01						
	-F3 (380~415V)		WD0393	THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 4.5-6.3A		01						
	-F3 (440~480V)		WD0392	THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 3.5-4.8A		01						
	-F4 (200~240V)		WD0397	THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 11.3-16A		01						
	-F4 (380~415V)		WD0395	THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 7.2-10A		01						
	-F4 (440~480V)		WD0394	THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 5.5-7.5A		01						
	-G1		WF0016	POWER SUPPLY 電源供應器		<MEAN WELL>SP-200-24		01						
	-H1		WH0012	POWER INDICATOR 電源指示燈		<YK>D22, 24V, 白色 (WHITE)		01						
C	-H2		WH0108	WARNING LAMP 警示燈		<TEND>TPWF6-L71O (24V, ORANGE)		01						
	-K4,-K5		WS0070	MAGNETIC CONTACTOR 電磁接觸器		<TECO>CU-16, 3A1A, AC24V		02						
	-K13		WR0071	SAFETY RELAY 安全模組		<PILZ>PNOZ X2.8P		01						
	-K14		WS0119	MAGNETIC CONTACTOR 電磁接觸器		<TECO>CU-11, 3A1A, AC24V		01						
	-M1		A3MG01	SAW BLADE MOTOR 鋸刀馬達		15HP 4P		01						
	-M2		A3MG03	HYDRAULIC PUMP MOTOR 油壓馬達		3HP 4P		01						
D														
△10		2007101606	歐陽景松	APPROVED	CHECKED	DRAWN	DEPARTMENT			NO.	A3VE021B13	SOCO MACHINERY CO., LTD		
△11		2008041705	陳彰原	黃瑞麟 06.22.2011	謝坤旺 06.22.2011	謝德霖 06.22.2011			Stuff		Title	PARTS LIST 1/6		
△12		2010101805	謝德霖						QTY.		Model	HMC-600NFA-NC		
△13		2011062203	謝德霖						Scale			Size	A4	Page
1		2		3		4			5		6			

1		2		3		4		5		6		
A												A
B												B
C												C
D												D

1		2		3		4		5		6	
A	-X1		ITEM	PART NUM.	DESCRIPTION		TYPE			QTY	
			XC0302	TERMINAL BLOCK	端子台	<IDEC>BN40W			03		
	WK0063	END PLATE	端子台側片	<IDEC>BNE40W			01				
	-X2		XC0822	TERMINAL BLOCK	端子台	<IDEC>BNH15MW			06		
			WK0055	END PLATE	端子台側片	<IDEC>BNE15W			01		
	-X4		XC0822	TERMINAL BLOCK	端子台	<IDEC>BNH15MW			88		
			WK0055	END PLATE	端子台側片	<IDEC>BNE15W			01		
	-X5		ZL0061	CABLE CONNECTOR	電源接頭	<MITSUBISHI>MR-PWCNS1			01		
	-X6		ZL0028	CABLE CONNECTOR	電源接頭	<LAN LING>LLPM-706-28-4S			01		
			ZL0033	CABLE CONNECTOR	電源接頭	<LAN LING>LLPM-706-28-4PT			01		
B	-X7,-X8		ZL0014	SERVO AMPLIFIER PLUG	驅動器 I/O 接頭	<MITSUBISHI>MR-J2-CN1			01		
	-X19,-X20		XC0148	TERMINAL BLOCK	接地端子台	<TEND>TB-12			02		
C											
D											
				</							

1		2		3		4		5		6						
A	MATERIAL MAGAZINE 入料架															
	ITEM		PART NUM.		DESCRIPTION		TYPE		QT'Y							
	-F5 (200~240V)		WD0387		THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 1.1-1.6A		01							
	-F5 (380~415V)		WD0385		THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 0.75-1A		01							
	-F5 (440~480V)		WD0383		THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 0.45-0.63A		01							
	-J1		WK0135		JUNCTION BOX 接線盒		DS-AG-1520 W200*H150*D100mm		01							
	-J2		WK0088		JUNCTION BOX 接線盒		<TEND>T2-B2		01							
	-K7,-K8		WS0210		MAGNETIC CONTACTOR 電磁接觸器		<TECO>CUL-16-3A1B-AC24V		01							
	-S11,-S17		WB0072		EMERGENCY STOP PUSH BUTTON 急停開關		<FUJI>AR22V2R-11R (RED)		02							
	-S12		WZ0198		PHOTOELECTRIC SWITCH 光電開關		<CONCH>LS18D-40(N)		01							
B	-S13,-S14 (JIS/CE)		WZ0246		PROXIMITY SWITCH 近接開關		<RIKO>RN05-N (3M)		02							
	-S13,-S14 (CSA/UL)		WZ0131		PROXIMITY SWITCH 近接開關		<P+F>NBB5-F7-E0		02							
	-S15, -S16		WS0094		SELECT SWITCH 選擇開關三段式		<YK>D22, 1A-0-1A, 雙向自動復歸		02							
	-X9		ZL0034		CABLE CONNECTOR 電源接頭		<LAN LING>LLPM-602-20-4S		01							
			ZL0059		CABLE CONNECTOR 電源接頭		<LAN LING>LLPM-602-20-4PT		01							
	-X10		ZL0006		CABLE CONNECTOR 電源接頭		<LAN LING>LLPM-606-28-12PT		01							
			ZL0098		CABLE CONNECTOR 電源接頭		<LAN LING>LLPM-606-28-12S		01							
	-M5		A3MG06		MATERIAL MAGAZINE MOTOR 料架馬達		LM-NEOM-50-100-1/4-6P(煞車)		01							
C	OUTLET CONVEYER 出料輸送帶															
	-F6 (200~240V)		WD0385		THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 0.75-1A		01							
	-F6 (380~415V)		WD0383		THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 0.45-0.63A		01							
	-F6 (440~480V)		WD0383		THERMAL RELAY 積熱電驛		<TECO>RHU-10A1 0.45-0.63A		01							
	-J3		WK0133		JUNCTION BOX 接線盒		<TEND>T2-B1 (GRAY)		01							
	-K10		WS0070		MAGNETIC CONTACTOR 電磁接觸器		<TECO>CU-16, 3A1A, AC24V		01							
	-X11		ZL0070		CABLE CONNECTOR 電源接頭		<LAN LING>LLPM-603-20-7S		01							
			ZL0071		CABLE CONNECTOR 電源接頭		<LAN LING>LLPM-603-20-7PT		01							
	-M6		A3MG04		WORKPIECE OUTLET CONVEYER 出料輸送帶馬達				01							
D	△10	2007101606	歐陽景松	APPROVED	CHECKED	DRAWN	DEPARTMENT		NO.	A3VE024B13		SOCO MACHINERY CO., LTD				
	△11	2008041705	陳彰原	黃瑞麟	謝坤旺	謝德霖			Stuff		Title	PARTS LIST 4/6				
	△12	2010101805	謝德霖						QTY.		Model	HMC-600NFA-NC				
	△13	2011062203	謝德霖						Scale			Size	A4	Page		
	1		2						3		4		5		6	

1		2		3		4		5		6					
A	ITEM		PART NUM.	DESCRIPTION		TYPE		QT'Y							
	OPTION: SAW BLADE MOTOR		---		USE Y-△ START CIRCUIT(WITHOUT INVERTER)		鋸片馬達使用 Y-△ 啟動時,選用零件								
	-K1 (200~240V)		WS0358	MAGNETIC CONTACTOR	電磁接觸器	<TECO>CU-40, 3A1A1B, AC24V		01							
	-K1 (380~480V)		WS0354	MAGNETIC CONTACTOR	電磁接觸器	<TECO>CU-27, 3A1A1B, AC24V		01							
	-K2,-K3 (220~240V)		WS0374	MAGNETIC CONTACTOR	電磁接觸器	<TECO>CUL-27-3A1A1B-AC24V		01							
	-K2,-K3 (380~480V)		WS0218	MAGNETIC CONTACTOR	電磁接觸器	<TECO>CUL-18, 3A1A1B, AC24V		01							
	-K6 (208~480V)		WD0234	PHASE PROTECT RELAY	電力控制及監控模	<CAROL GAVAZZI>DPA51CM44 (208-480V)		01							
B	WITH INVERTER														
	-X12		XF0013	RELAY SOCKET	連接座	<OMRON>PYF-08A-E		01							
	-K9		WR0045	RELAY	繼電器	<OMRON>MY-2NJ, AC24V		01							
	MITSUBISHI INVERTER														
	-U4 (220~240V)		WI0268	INVERTER	變頻器	<MITSUBISHI>FR-A720-11K (200-240V 15HP)		01							
	-U4 (380~480V)		WI0285	INVERTER	變頻器	<MITSUBISHI>FR-A740-11K (380-480V 15HP)		01							
	-X21		WI0296	CONTROL PANEL CONNECT	操作面板連接接頭	<MITSUBISHI>FR-ADP		01							
C	DELTA INVERTER														
	-U4 (220~240V)		WI0307	INVERTER	變頻器	<DELTA>VFD-110-B-23-A (200~240V 15HP)		01							
	-U4 (380~480V)		WI0319	INVERTER	變頻器	<DELTA>VFD-110-B-43-A (380~480V 15HP)		01							
	-R1		WE0063	VARIBLE RESISTOR	可調電阻	<DELTA>		01							
			WE0064	KNOB	旋鈕	<DELTA>		01							
	-R2 (220~240V)		WI0332	BRAKE RESISTOR	煞車電阻	<DELTA>BR1K2W6P8 (200~240V)		02							
	-R2 (380~480V)		WI0341	BRAKE RESISTOR	煞車電阻	<DELTA>BR1K0W050 (380~480V)		01							
D	△0	2007101606	歐陽景松	APPROVED	CHECKED	DRAWN	DEPARTMENT			NO.	A3VE025B12		SOCO MACHINERY CO., LTD		
	△1	2008041705	陳彰原	黃瑞麟 10.18.2010	謝坤旺 10.18.2010	謝德霖 10.18.2010				Stuff		Title	PARTS LIST 5/6		
	△2	2010101805	謝德霖							QTY.		Model	HMC-600NFA-NC		
	△3									Scale			Size	A4	Page
	1		2		3		4		5		6				

1		2		3		4		5		6				
A	ITEM		PART	NUM.	DESCRIPTION		TYPE		QT'Y					
	FOR CE/CSA CERTIFICATION													
	-F2		WD0170		FUSE	保險絲	10*38-AM-8A		03					
	-F7,-F8,-F10		WD0172		FUSE	保險絲	10*38-GL-4A		03					
	-F9		WD0018		FUSE	保險絲	10*38-GL-2A		01					
	-F11		WD0173		FUSE	保險絲	10*38-GL-8A		01					
	-X13		WD0020		FUSE SOCKET	保險絲座	10*38*3P		01					
	-X14~-X18		WD0019		FUSE SOCKET	保險絲座	10*38*1P		05					
B														
	FOR JIS CERTIFICATION													
	-F2		WS0559		NFB	無熔線斷路器	<MOELLER>FAZ-C10/3		01					
	-F7,-F8,-F10		WD0316		CIRCUIT PROTECTOR	迴路保護器	<MOELLER>FAZ-S4/1		03					
	-F9		WD0314		CIRCUIT PROTECTOR	迴路保護器	<MOELLER>FAZ-S2/1		01					
C	-F11		WD0318		CIRCUIT PROTECTOR	迴路保護器	<MOELLER>FAZ-S10/1		01					
D														
△0		2007101606	歐陽景松	APPROVED	CHECKED	DRAWN	DEPARTMENT	SOCO	NO.	A3VE026B11		SOCO MACHINERY CO., LTD		
△1		2010101805	謝德霖	黃瑞麟	謝坤旺	謝德霖			Stuff		Title	PARTS LIST 6/6		
△2									QTY.		Model	HMC-600NFA-NC		
△3									Scale			Size	A4	Page
1		2		3		4		5		6				