

INDEX

NO.	DRAW NO.	DESCRIPTION
1	E9VE001B02	INDEX
2	E9VE002B02	POWER CIRCUIT
3	E9VE003B02	CONTROL CIRCUIT
4	E9VE004B02	POWER & CONTROL LAYOUT
5	E9VE005B01	CONTROL PANEL LAYOUT
6	E9VE006B01	INVERTER LAYOUT
7	E9VE007B02	PARTS LIST_1/3
8	E9VE008B02	PARTS LIST_2/3
9	E9VE009B00	PARTS LIST_3/3

D

△	2007110108	劉建富	APPROVED	CHECKED	DRAWN	DEPARTMENT		SOCO	NO.	E9VE001B02	SOCO MACHINERY CO., LTD.			
△	2008052101	謝德霖	工程部 11.07.2008 黃瑞麟	工程部 11.07.2008 謝坤旺	工程部 11.07.2008 陳國泉		Stuff			Title	INDEX			
△	2008110705	陳國泉					QTY.			Model	EF-AC/115			
③							Scale			Size	A4		Page	

1

2

3

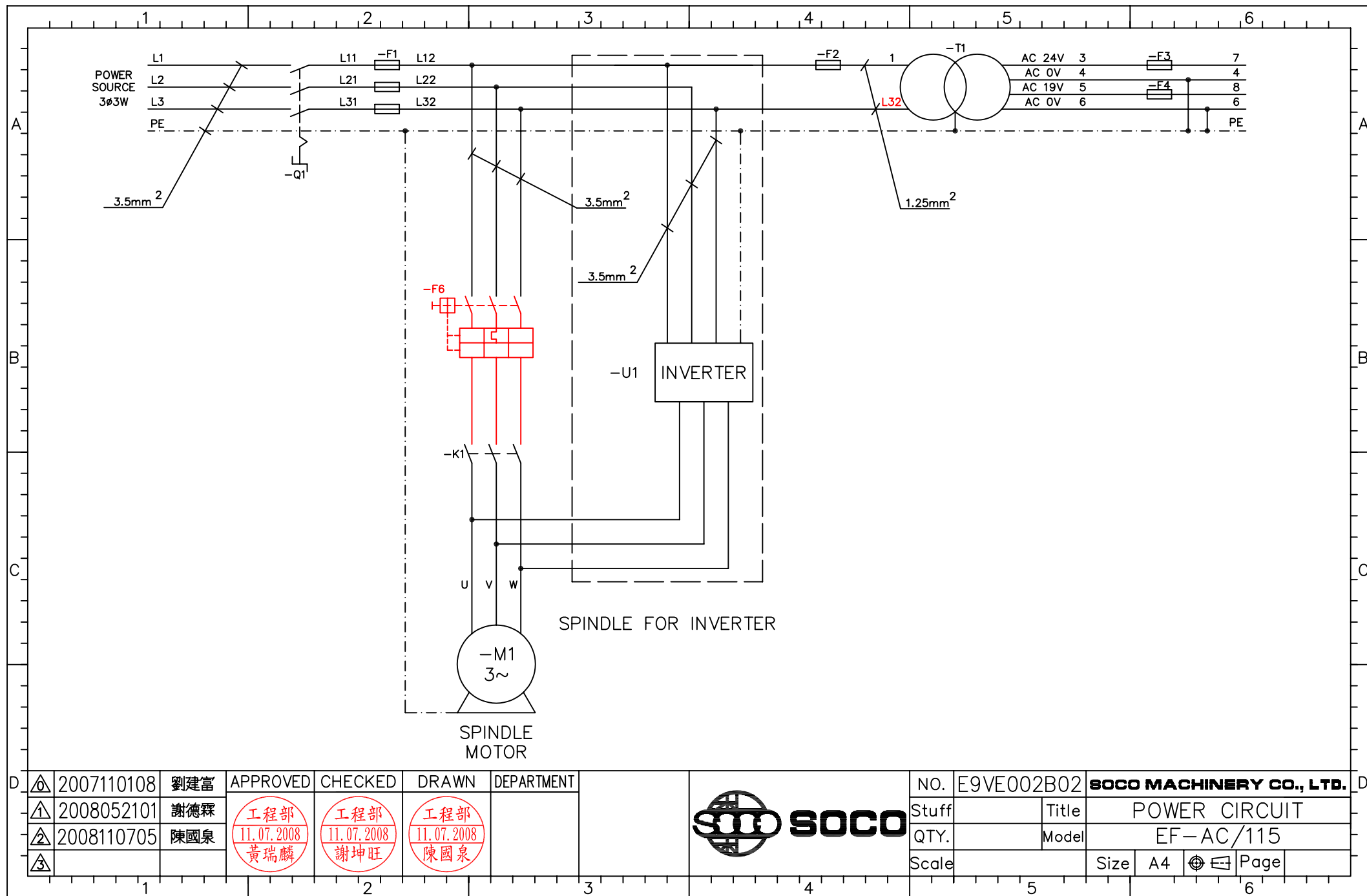
4

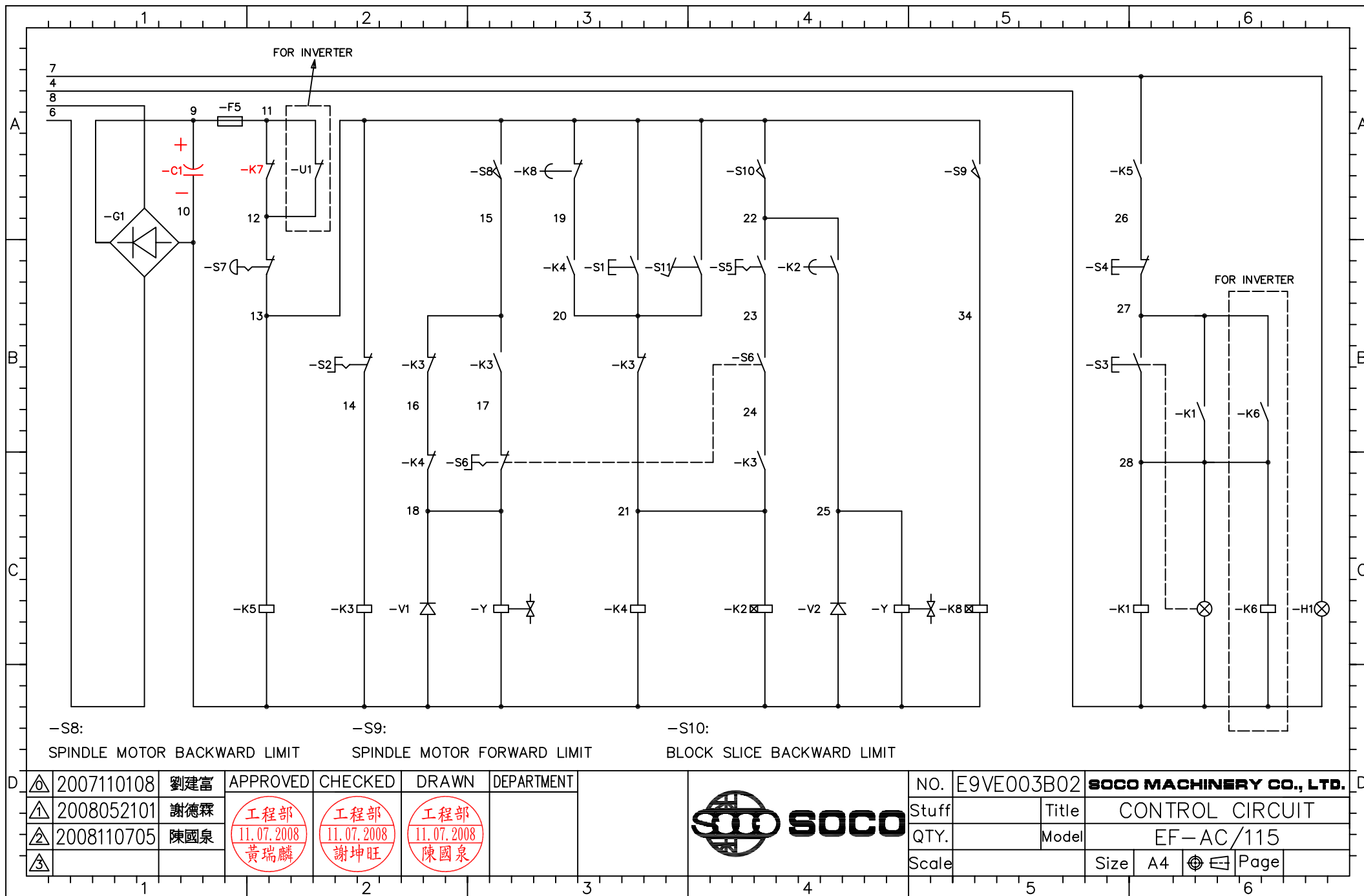
5

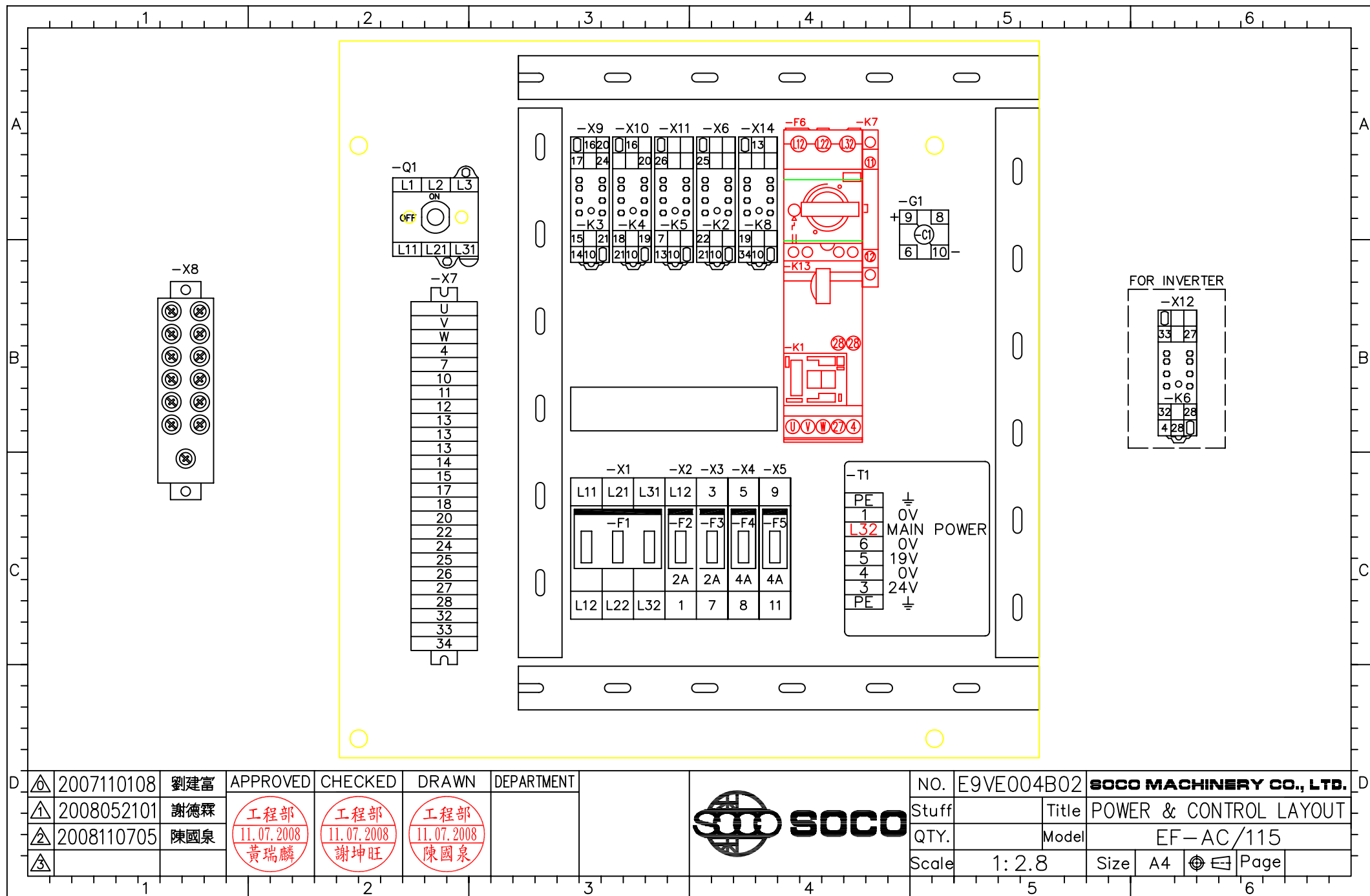
6

D

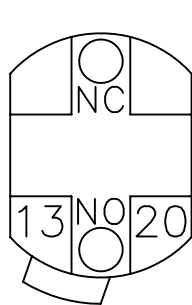




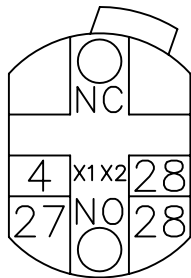




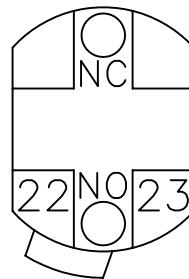
—S1
CYCLE START
SWITCH



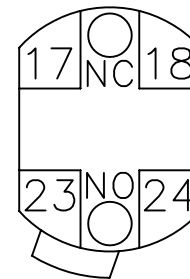
—S3
SPINDLE MOTOR
START SWITCH



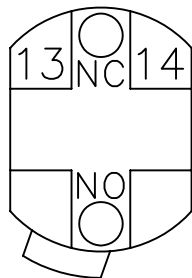
—S5
SPINDLE RETURE/
FORWARD SWITCH



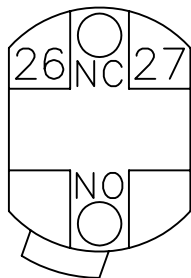
—S6
CLAMP OPEN/
CLOSE SWITCH



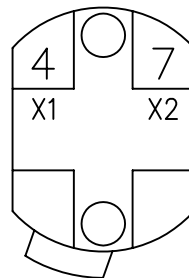
—S2
MANUAL/AUTO
SWITCH



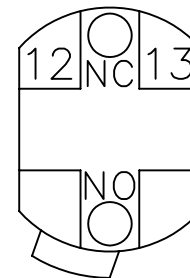
—S4
SPINDLE MOTOR
STOP SWITCH



—H1
POWER
INDICATOR



—S7
EMERGENCY STOP
SWITCH

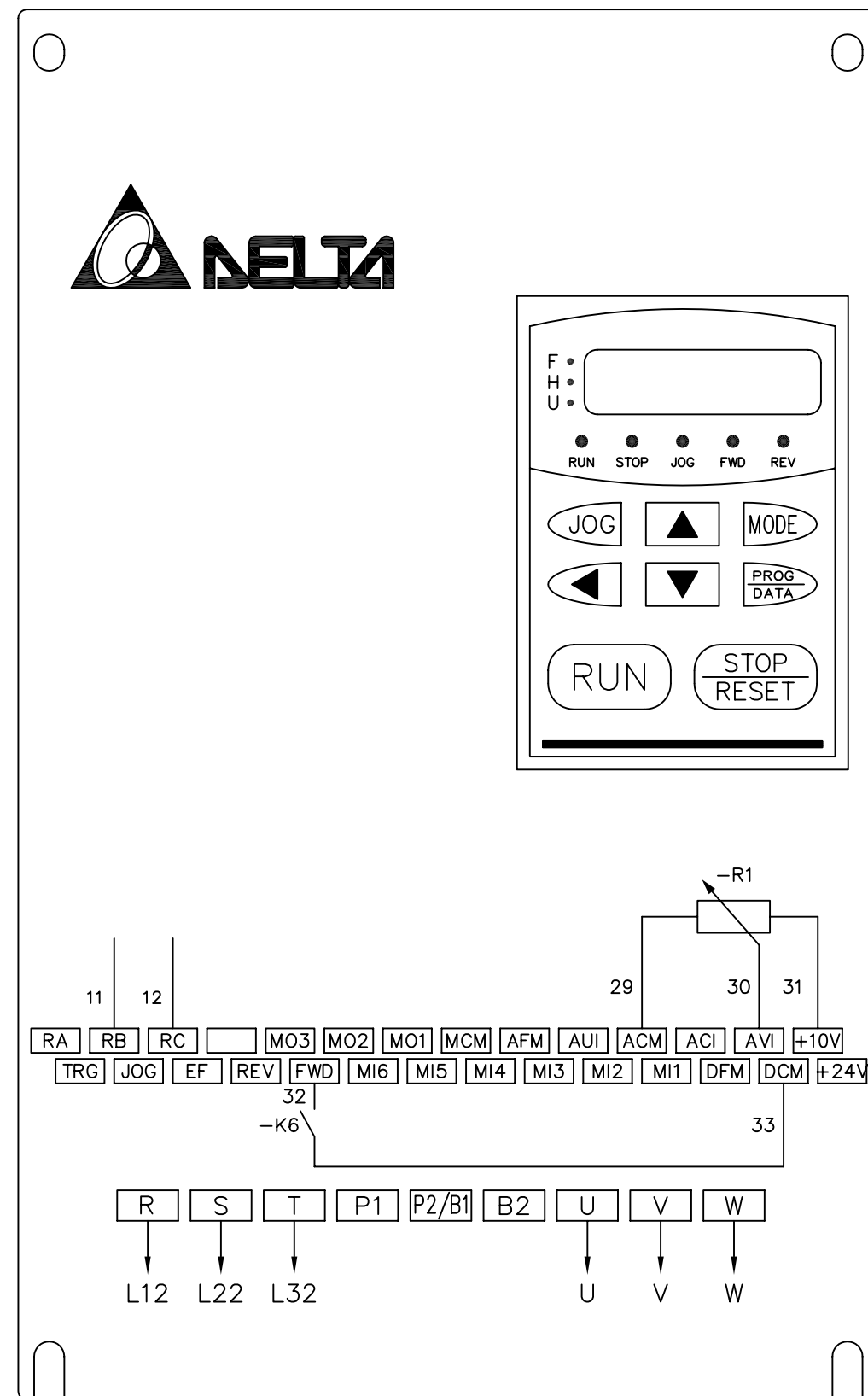


△	2007110108	劉建富	APPROVED	CHECKED	DRAWN	DEPARTMENT
△	2008052101	謝德霖	工程 部 05.21.2008 黃瑞麟	工程 部 05.21.2008 謝坤旺	工程 部 05.21.2008 謝德霖	
△						
△						

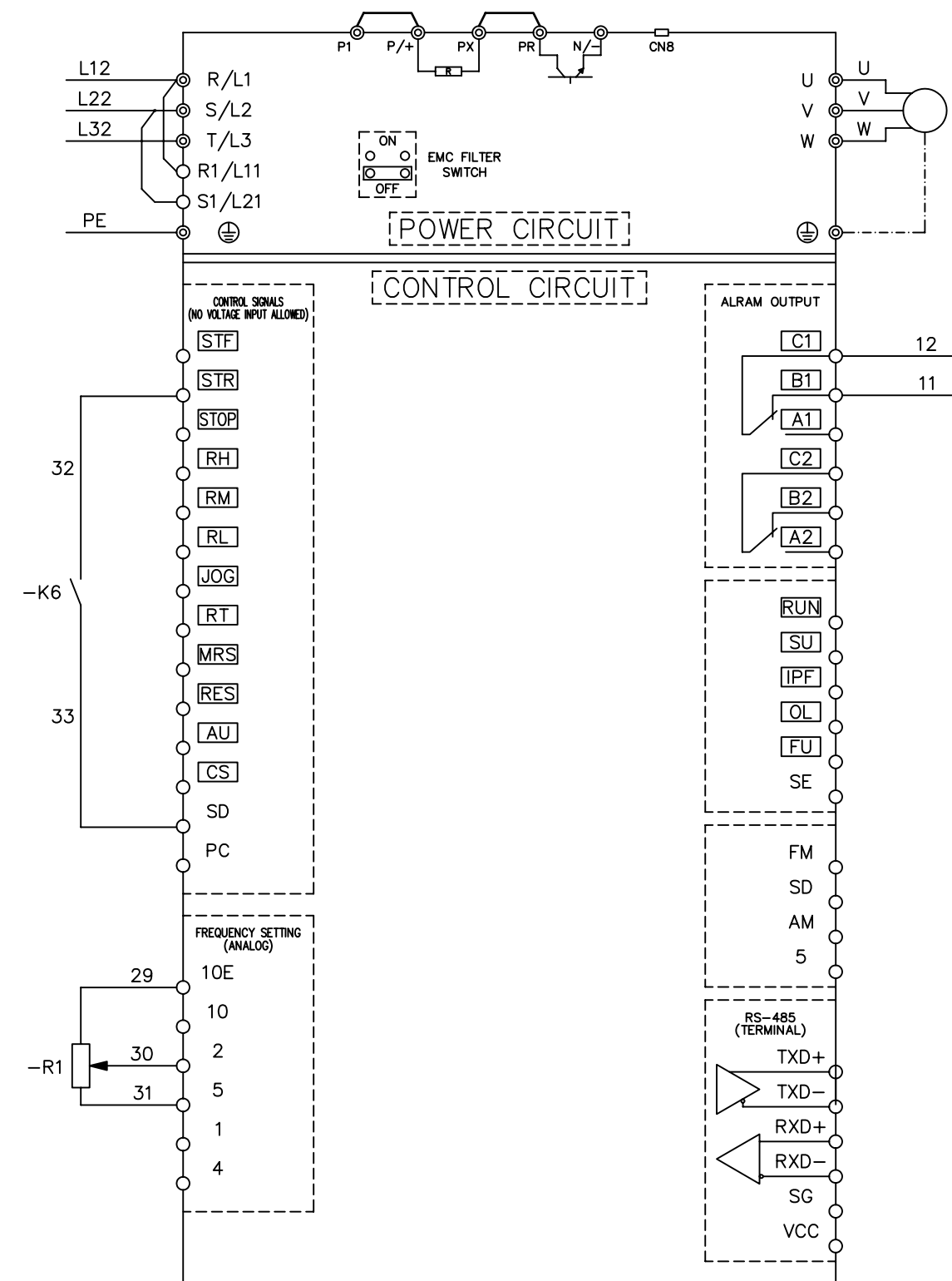


NO.	E9VE005B01	SOCO MACHINERY CO., LTD.	
Stuff		Title	CONTROL PANEL LAYOUT
QTY.		Model	EF-AC/115
Scale	1:1.5	Size	A4
		Page	

-U1 DELTA INVERTER



-U1 MITSUBISHI INVERTER



WHEN USING MITSUBISHI A700 SERIES INVERTER, THE VARIABLE RESISTOR -R1 IS NOT USED

△	2007110108	劉建富	APPROVED	CHECKED	DRAWN	DEPARTMENT
①	2008052101	謝德霖	工程 05.21.2008 黃瑞麟	工程 05.21.2008 謝坤旺	工程 05.21.2008 謝德霖	
②						
③						



No.	E9VE006B01	SOCO MACHINERY CO., LTD.	
Stuff		Title	INVERTER LAYOUT
QTY.		Model	EF-AC/115
Scale	1:1.5	Size	A3
		Page	

1		2		3		4		5		6		
A	ITEM		PART NUM.	DESCRIPTION			TYPE			QT'Y		
	-C1		WE0033	CAPACITOR 電容器			220μF 50V			01		
	-G1		WE0029	RECTIFIER 橋式整流器			25A KBPC2506 插頭			01		
	-H1		WH0012	POWER INDICATOR 電源指示燈			<YK>D22, 24V 白色 (WHITE)			01		
	-K2,-K8		WT0009	TIMER 計時器			<OMRON>H3Y-2, 1S, DC24V (含金具)			02		
	-K3~-K5		WR0017	RELAY 繼電器			<OMRON>MY-2NJ, DC24V			03		
	-M1		E9MG01	MOTOR 臥式馬達 (反向)			5HP 6P			01		
B	-Q1		WS0351	POWER SWITCH 電源開關			<MOELLER>T0-2-1/V/SVB-SW (20A)			01		
	-S1		WB0014	PUSH BUTTON 平頭按鈕			<YK>D22, 1A1B, 綠色 (GREEN)			01		
	-S2,-S5,-S6		WS0026	SELECT SWITCH 選擇開關二段式			<YK>D22, 黑 短柄 1A1B			03		
	-S3		WH0056	ILLUMINATED PUSH BUTTON 照光式按鈕			<YK>D22, 24V 黃色 (YELLOW)			01		
	-S4		WB0013	PUSH BUTTON 平頭按鈕			<YK>D22, 黑色 1A1B (BLACK)			01		
	-S7		WB0018	EMERGENCY STOP PUSH BUTTON 急停開關			<YK>D22, Reset, 1A1B, 紅色 (RED)			01		
	-S9		WZ0062	LIMIT SWITCH 微動開關			<MOUJEN>ME-8111F			01		
	-S8,-S10		WZ0060	LIMIT SWITCH 微動開關			<MOUJEN>ME-8108F			02		
	-S11		WS0045	FOOT SWITCH 腳踏開關			SFM-1 加蓋子			01		
	-T1 (200,208,220 日/加,230,240V)		WA0098	TRANSFORMER 變壓器 120VA			0.200-240/0.19(80VA).0.24(40VA)			01		
	-T1 (220,380,400,415,440V)		WA0097	TRANSFORMER 變壓器 120VA			0.220-440/0.19(80VA).0.24(40VA)			01		
C	-T1 (460,480V)		WA0069	TRANSFORMER 變壓器 120VA			0.220-480/0.19(80VA).0.24(40VA)			01		
	-T1 (575,600V)		WA0065	TRANSFORMER 變壓器 120VA			0.575-600/0.19(80VA).0.24(40VA)			01		
	-X6,-X9~-X11,-X14		XF0013	RELAY SOCKET 連接座			<OMRON>PYF-08A-E			05		
	-X7		XC0822	TERMINAL BLOCK 端子台			<IDEC>BNH15MW			25		
			WK0055	END PLATE 端子台側片			<IDEC>BNE15W			01		
	-X8		XC0148	TERMINAL BLOCK 接地端子台			<TEND>TB-12			01		
	-V1~-V2		WE0026	DIODE 二極體			BY-255			02		
D												
1		2		3		4		5		6		
△0	2007110108	劉建富	APPROVED	CHECKED	DRAWN	DEPARTMENT		NO.	E9VE007B02	SOCO MACHINERY CO., LTD		
△1	2008052101	謝德霖	黃瑞麟	謝坤旺	陳國泉			Stuff		Title	PARTS LIST_1/3	
△2	2008110705	陳國泉						QTY.		Model	EF-AC/115	
△3			11.07.2008	11.07.2008	11.07.2008			Scale		Size	A4	Page

1		2		3		4		5		6					
A	ITEM		PART NUM.	DESCRIPTION			TYPE			QT'Y					
	OPTION : THESE COMPONENTS ARE FOR CE ,CSA CERTIFICATION														
	-F1 (200~240V)		WD0181	FUSE	保險絲	10*38-AM-20A (慢速型)			03						
	-F1 (380~415V)		WD0178	FUSE	保險絲	10*38-AM-12A (慢速型)			03						
	-F1 (440~480V)		WD0171	FUSE	保險絲	10*38-AM-10A (慢速型)			03						
	-F1 (575~600V)		WD0170	FUSE	保險絲	10*38-AM-8A (慢速型)			03						
	-F2,-F3		WD0018	FUSE	保險絲	10*38-GL-2A (快速型)			02						
	-F4,-F5		WD0172	FUSE	保險絲	10*38-GL-4A (快速型)			02						
	-X1		WD0020	FUSE SOCKET	保險絲座	10*38*3P			01						
	-X2~-X5		WD0019	FUSE SOCKET	保險絲座	10*38*1P			04						
B	OPTION : THESE COMPONENTS ARE FOR JIS CERTIFICATION														
	-F1 (200V~240V)		WS0569	CIRCUIT BREAKER	無熔線斷路器	<MOELLER>FAZ-C20/3			01						
	-F2,-F3		WD0314	CIRCUIT BREAKER	迴路保護器	<MOELLER>FAZ-S2/1			02						
	-F4,-F5		WD0316	CIRCUIT BREAKER	迴路保護器	<MOELLER>FAZ-S4/1			02						
C															
D	△0	2007110108	劉建富	APPROVED	CHECKED	DRAWN	DEPARTMENT		NO.	E9VE008B02		SOCO MACHINERY CO., LTD			
	△1	2008052101	謝德霖	黃瑞麟	謝坤旺	陳國泉			Stuff		Title	PARTS LIST_2/3			
	△2	2008110705	陳國泉						QTY.		Model	EF-AC/115			
	△3								Scale			Size	A4	Page	

1		2		3		4		5		6	
---	--	---	--	---	--	---	--	---	--	---	--

1				2		3		4		5		6				
A															A	
	ITEM			PART NUM.		DESCRIPTION				TYPE			QT'Y			
	(主軸使用標準型選用元件)															
	-F6 (200~240V) 5HP 6P			WD0331		MOTOR-PROTECTIVE BREAKER		馬達保護開關		<MOELLER>PKZM0-16			01			
	-F6 (380~415V) 5HP 6P			WD0329		MOTOR-PROTECTIVE BREAKER		馬達保護開關		<MOELLER>PKZM0-10			01			
	-F6 (440~480V) 5HP 6P			WD0329		MOTOR-PROTECTIVE BREAKER		馬達保護開關		<MOELLER>PKZM0-10			01			
	-F6 (575~600V) 5HP 6P			WD0328		MOTOR-PROTECTIVE BREAKER		馬達保護開關		<MOELLER>PKZM0-6.3			01			
	-K1 (200~240V)			WS0528		MAGNETIC CONTACTOR		電磁接觸器		<MOELLER>DILM17-10, AC24V			01			
	-K1 (380~600V)			WS0527		MAGNETIC CONTACTOR		電磁接觸器		<MOELLER>DILM12-10, AC24V			01			
	-K7			WD0342		AUXILIARY CONTACT		輔助接點		<MOELLER>NHI11-PKZ0			01			
B	-K13 (200~240V)			WD0371		WIRING SET		接線組		<MOELLER>PKZM0-XDM32			01			
	-K13 (380~600V)			WD0370		WIRING SET		接線組		<MOELLER>PKZM0-XDM12			01			
	(主軸使用變頻器型選用元件)															
	-K6			WR0045		RELAY		繼電器		<OMRON>MY-2NJ, AC24V			01			
	-X12			XF0013		RELAY SOCKET		連接座		<OMRON>PYF-08A-E			01			
C	(主軸使用三菱變頻器型選用元件)															
	-U1(200~240V)			WI0265		INVERTER		變頻器		FR-A720-3.7K (200-240V 5HP)			01			
	-U1(380~480V)			WI0282		INVERTER		變頻器		FR-A740-3.7K (380-480V 5HP)			01			
	(主軸使用台達變頻器型選用元件)															
	-R1			WE0063		VARIABLE RESISTOR		可變電阻		台達		01				
				WE0064		KNOB		旋鈕		台達		01				
	-U1(200~240V)			WI0304		INVERTER		變頻器 加 VR		VFD-037-B-23-A (200~240V 5HP)			01			
	-U1(380~480V)			WI0316		INVERTER		變頻器 加 VR		VFD-037-B-43-A (380~480V 5HP)			01			
D															D	
	△ ₀	2008110705	陳國泉	APPROVED	CHECKED	DRAWN	DEPARTMENT			NO.	E9VE009B00		SOCO MACHINERY CO., LTD			
	△ ₁			黃瑞麟	謝坤旺	陳國泉				Stuff		Title	PARTS LIST_3/3			
	△ ₂									QTY.		Model	EF-AC/115			
	△ ₃									Scale			Size	A4		Page
1				2		3		4		5		6				