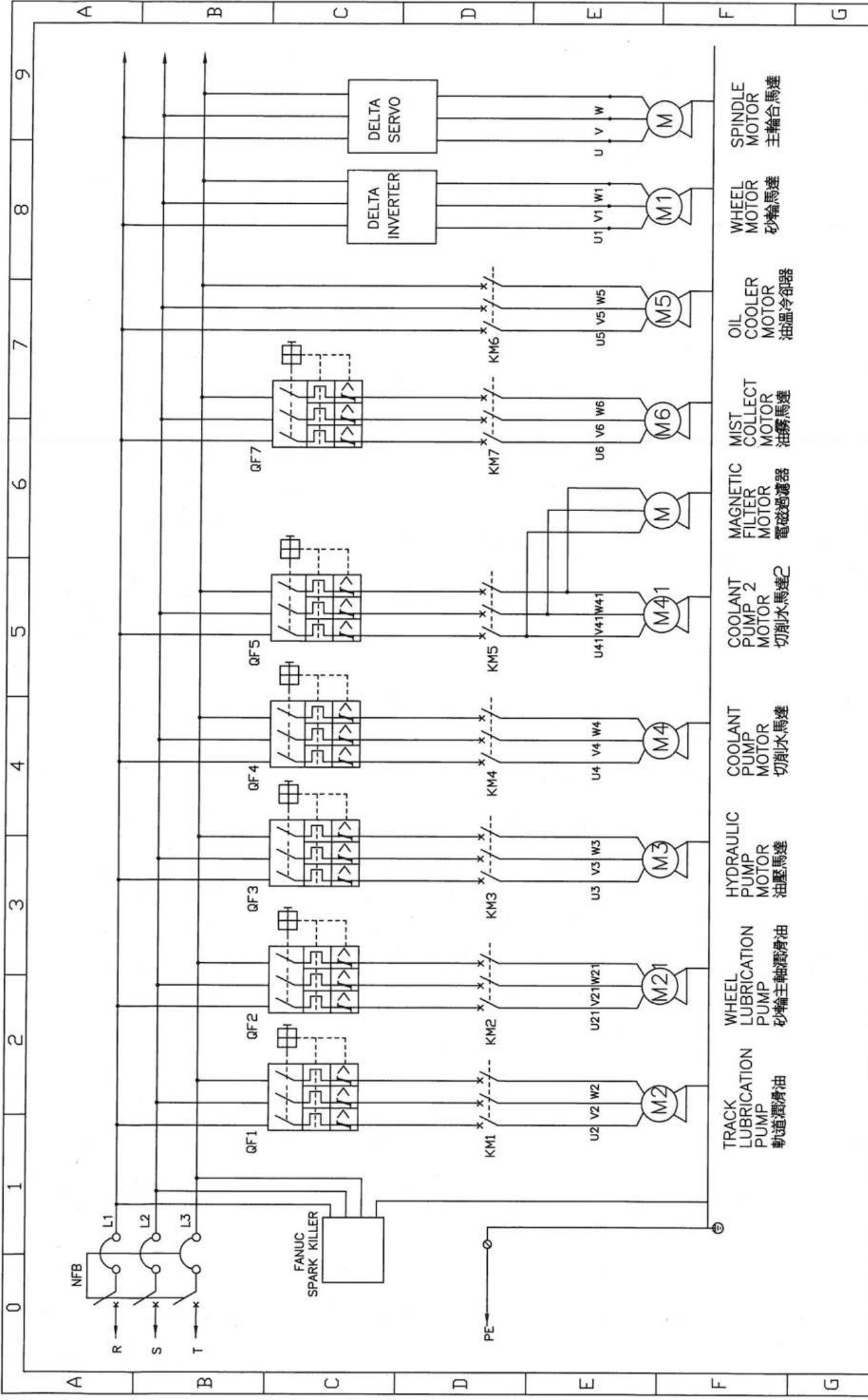


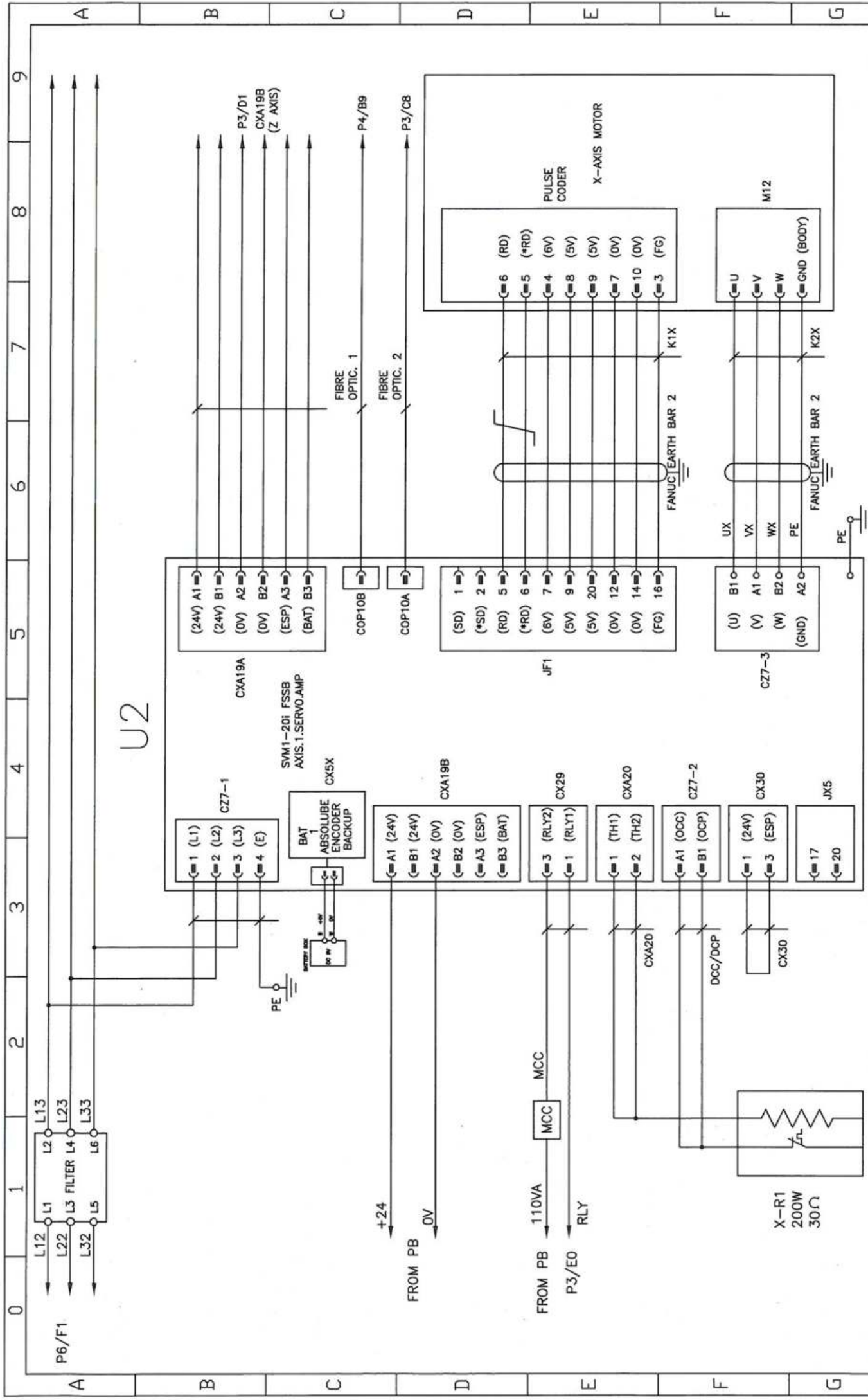
SHARP

OD-1320X
CNC Cylindrical Grinder
Electrical Manual

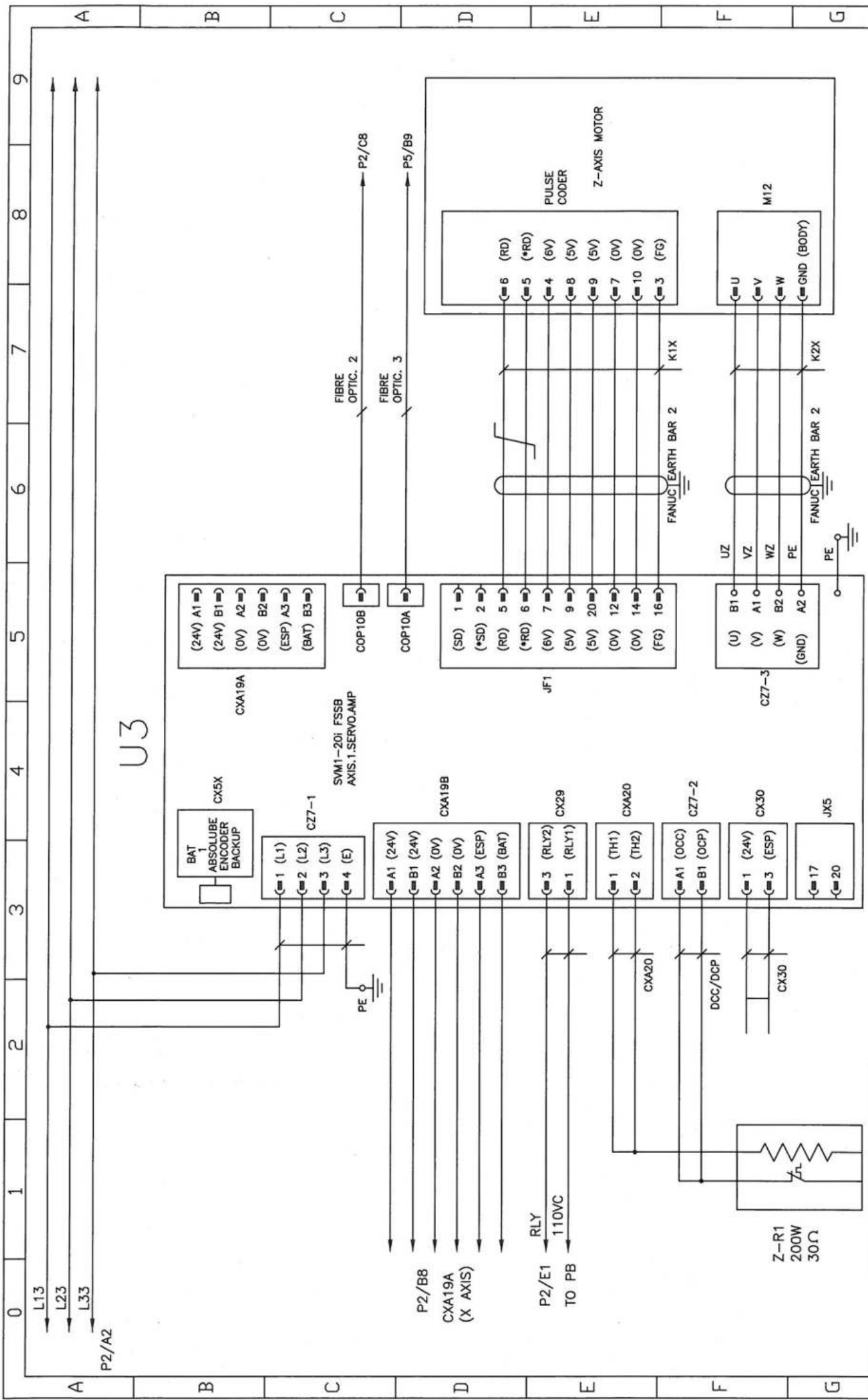
Sharp Industries, Inc.



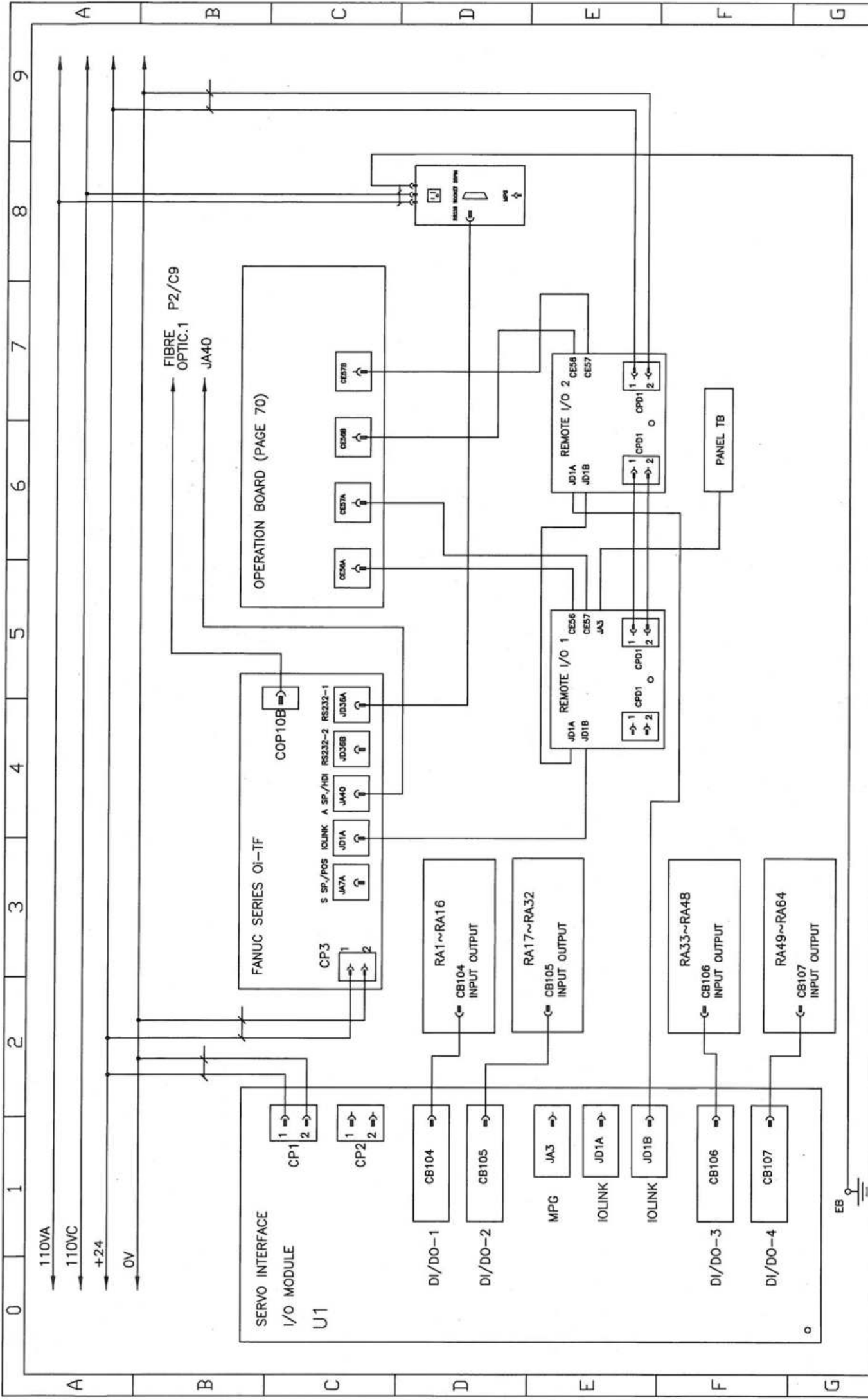
d	Approved	16	10	14	SHARP			NC Type	0i-TF	Machine:	□□ Grinding	Drawing No.:	01		
c	Checked	16	10	14				MODEL	OD-CNC	Title:	POWER SYSTEM				
b	Designed	16	10	14											
a	Drawn	16	10	14											



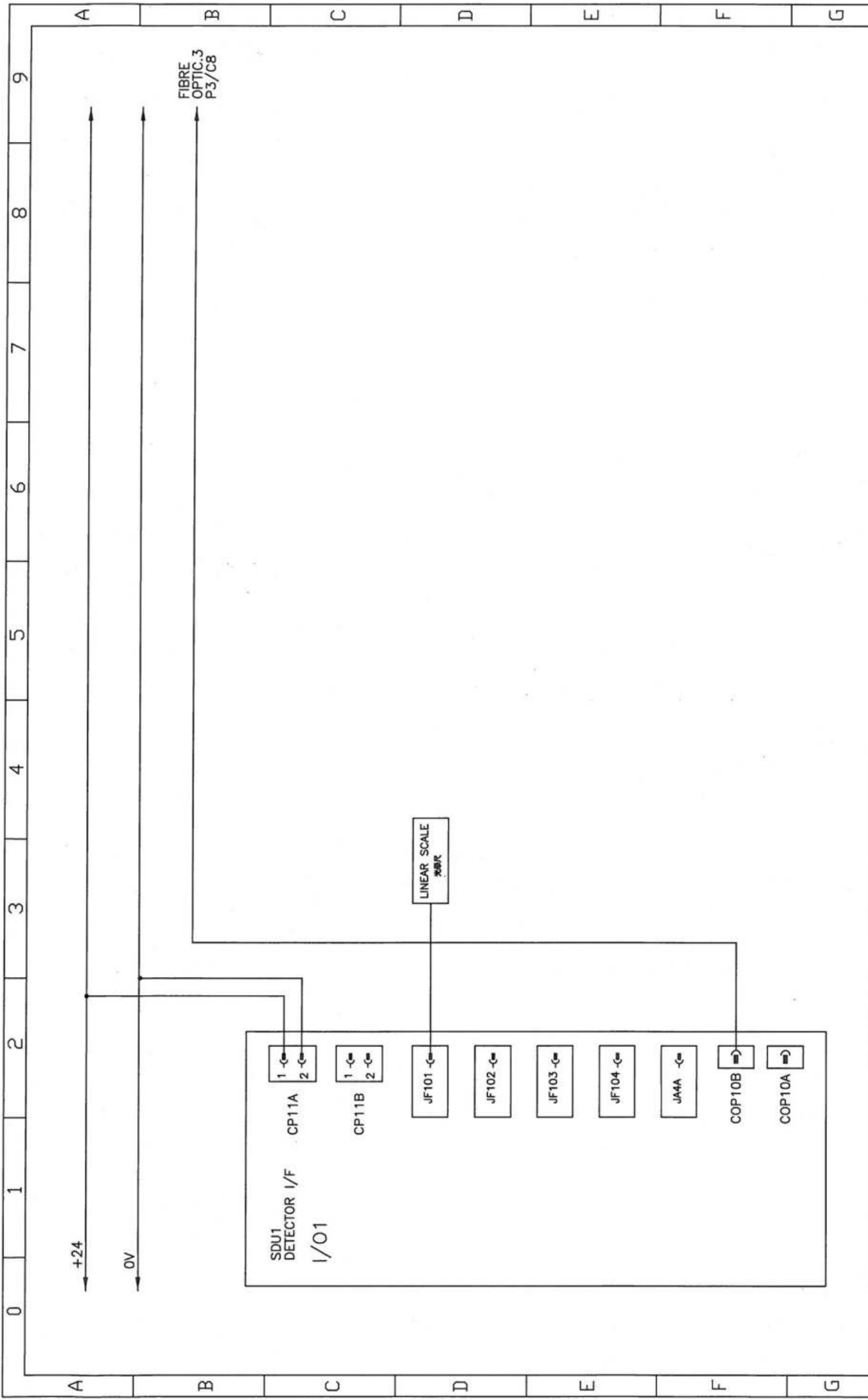
d	Approved	16	10	14	SHUN	SHARP	NC Type	01-TF	Machine:	DD Grinding	Drawing No.:	02
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	X AXIS AMPLIFIER		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



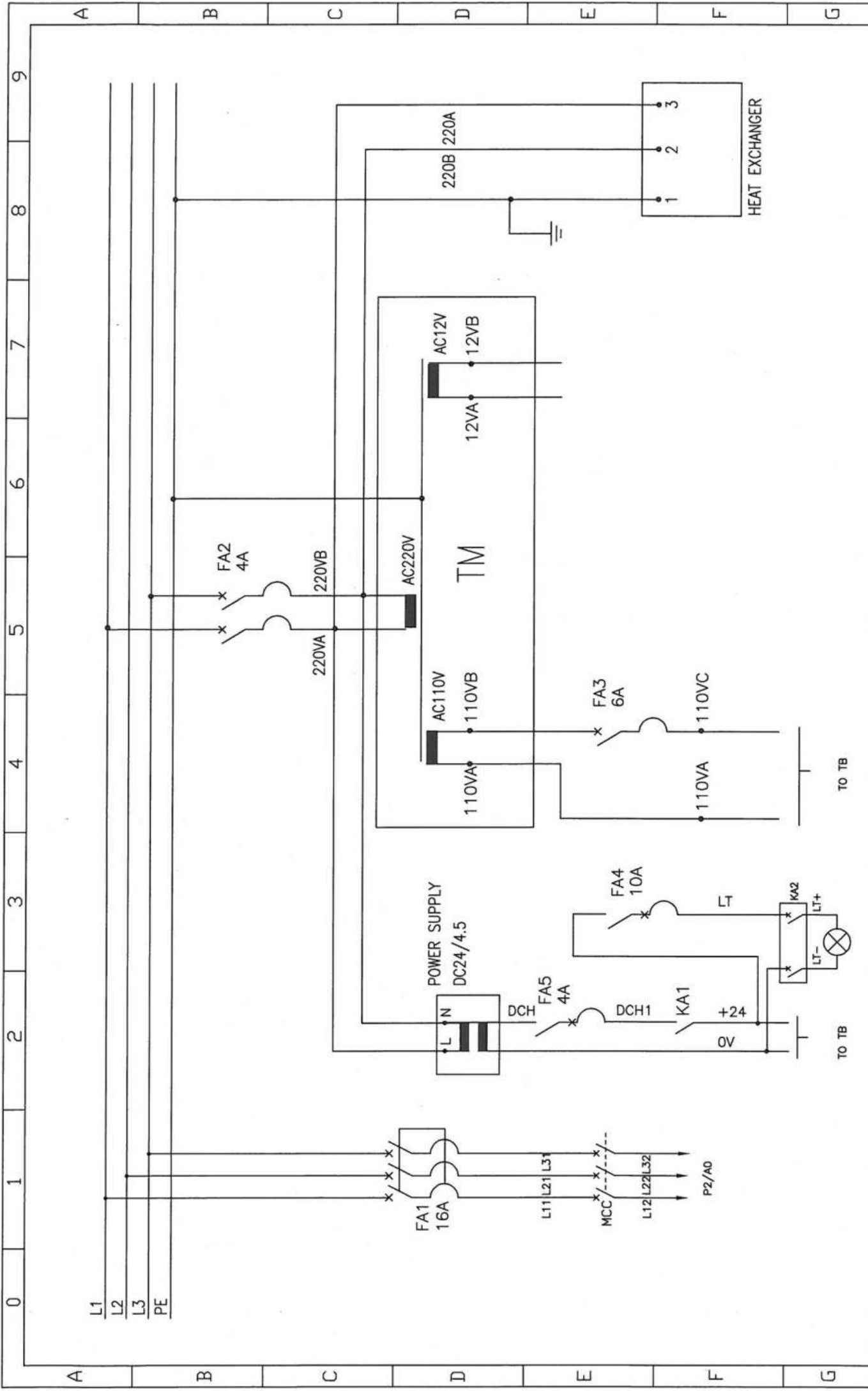
d	Approved	16	10	14	SHUN	SHARP	NC Type 0i-TF	Machine: DD Grinding	Drawing No.: 03
c	Checked	16	10	14	SHUN				
b	Designed	16	10	14	SHUN				
a	Drawn	16	10	14	SHUN				
							OD-CNC	MODEL	Title: Z AXIS AMPLIFIER



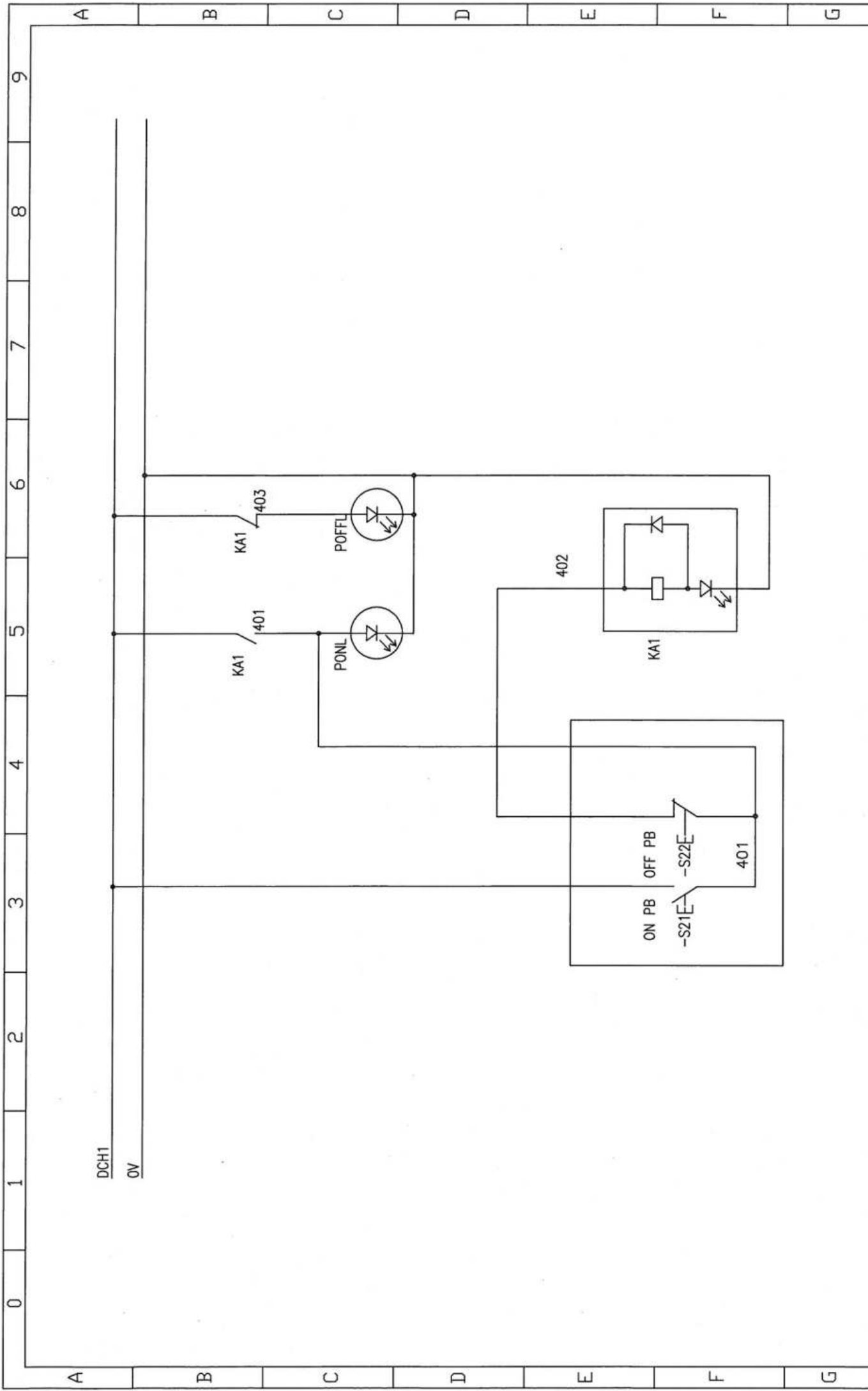
d	Approved	16	10	14	SHUN	SHARP	OD-CNC	NC Type 0i-TF	Machine: DD Grinding	Drawing No.: 04	
c	Checked	16	10	14	SHUN						
b	Designed	16	10	14	SHUN						
a	Drawn	16	10	14	SHUN						
							Title: CNC CONTROL SYSTEM				



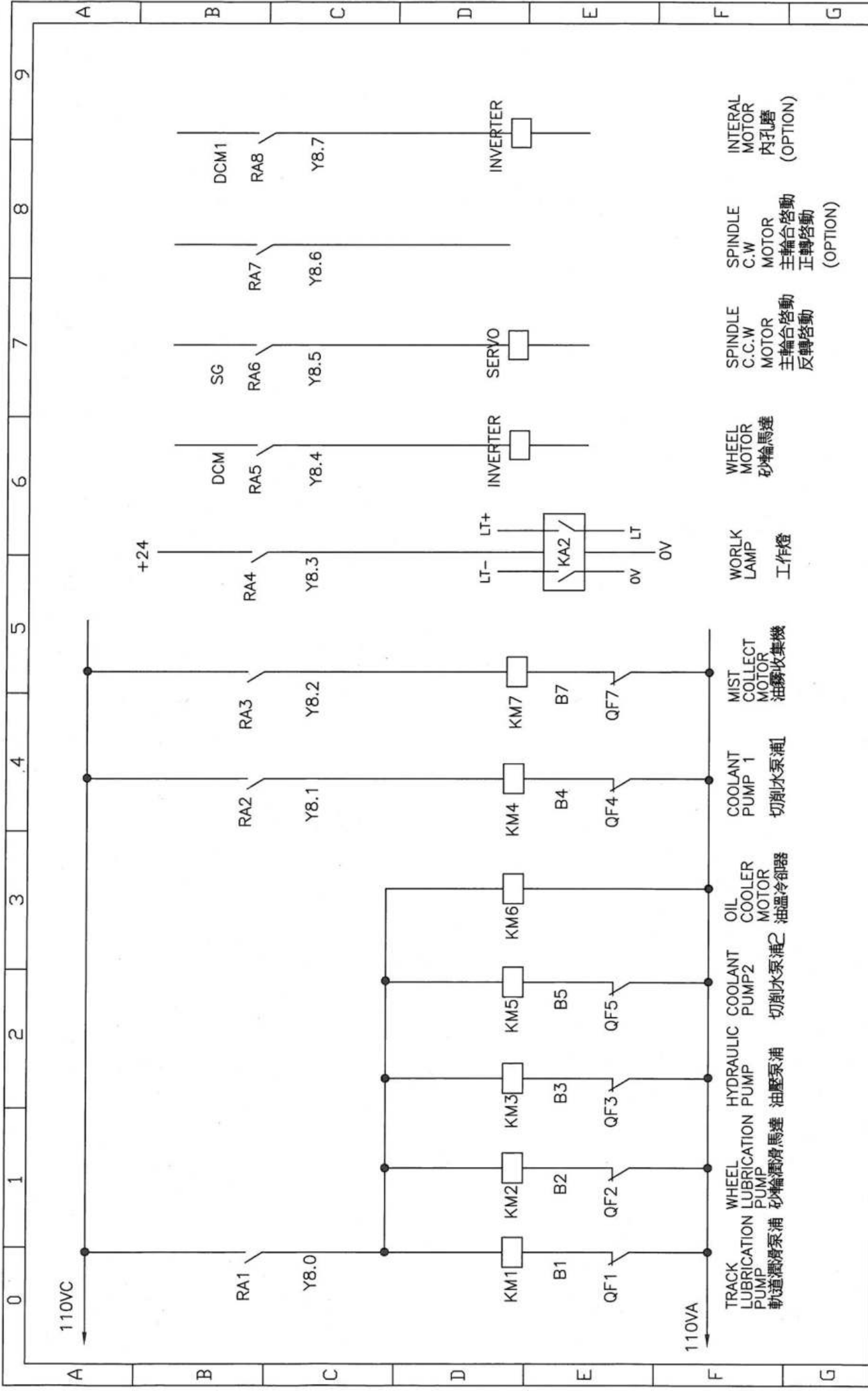
d	Approved	16	10	14	SHUN	SHARP	NC Type MODEL	0i-TF OD-CNC	Machine: □□ Grinding Title: LINEAR SCALE	Drawing No.: 05
c	Checked	16	10	14	SHUN					
b	Designed	16	10	14	SHUN					
a	Drawn	16	10	14	SHUN					



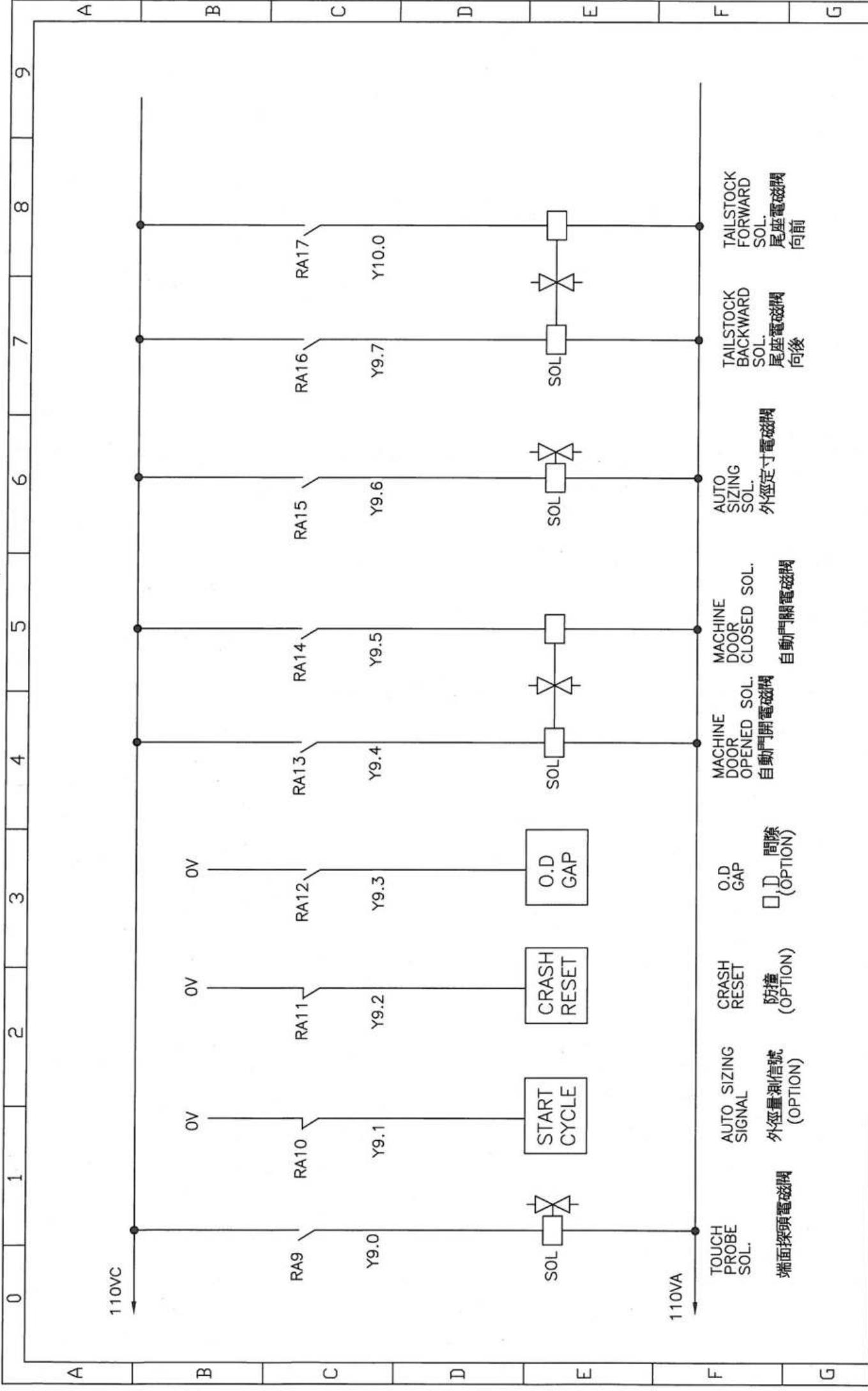
d	Approved	16	10	14	SHUN	SHARP	OD-CNC	01-TF	Machine: DD Grinding	Drawing No.: 06	
c	Checked	16	10	14	SHUN						
b	Designed	16	10	14	SHUN						
a	Drawn	16	10	14	SHUN						
						Title: AIR COOLANT & AC POWER SUPPLY					



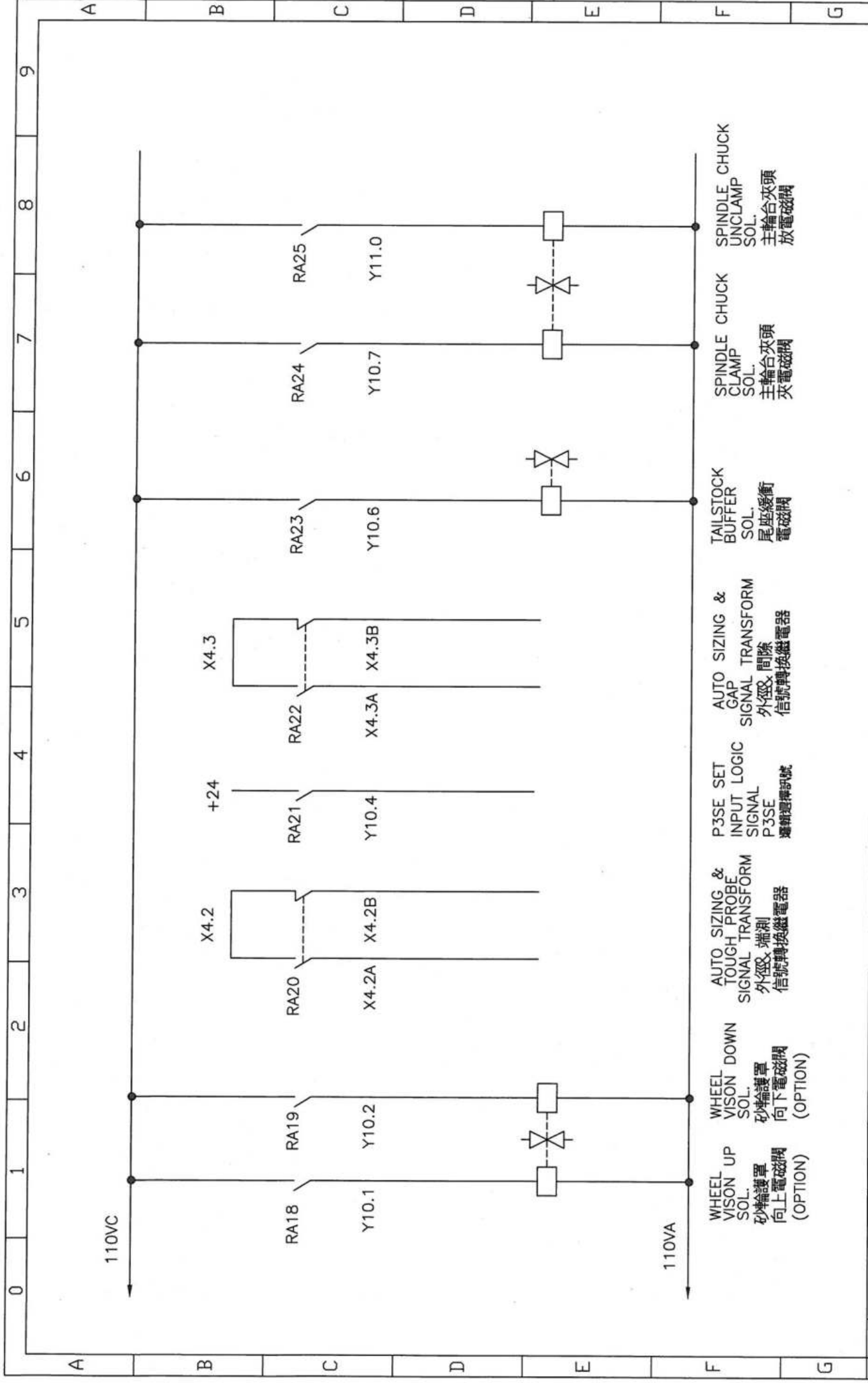
d	Approved	16	10	14	SHUN	SHARP	OD-CNC	MODEL	0j-TF	Machine: DD Grinding	Title: POWER ON/OFF CONTROL	Drawing No.: 07
c	Checked	16	10	14	SHUN							
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



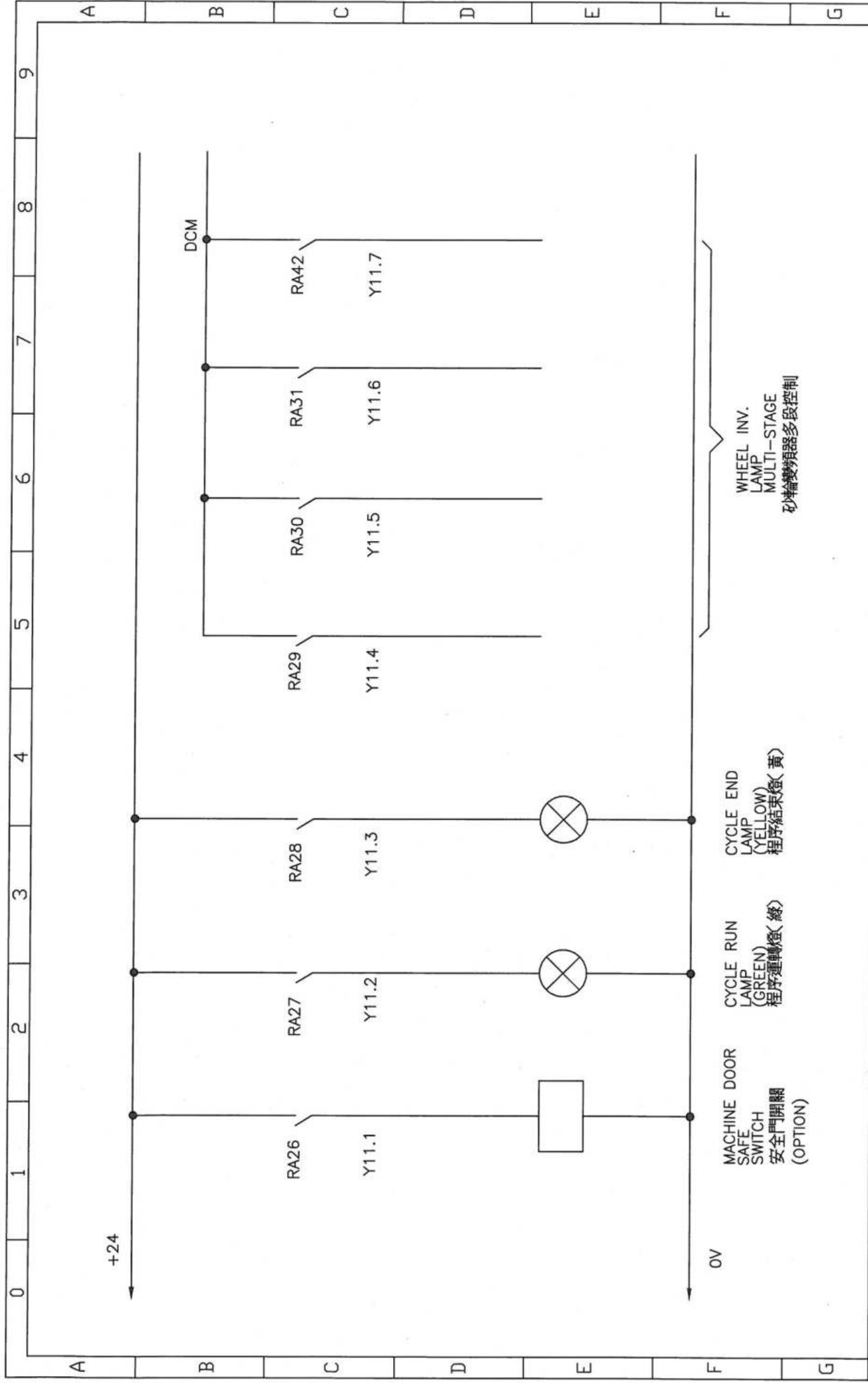
d	Approved	16	10	14	SHUN	SHARP	NC Type	0I-TF	Machine:	□□ Grinding	Drawing No.:	08
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	CONTROL SYSTEM		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



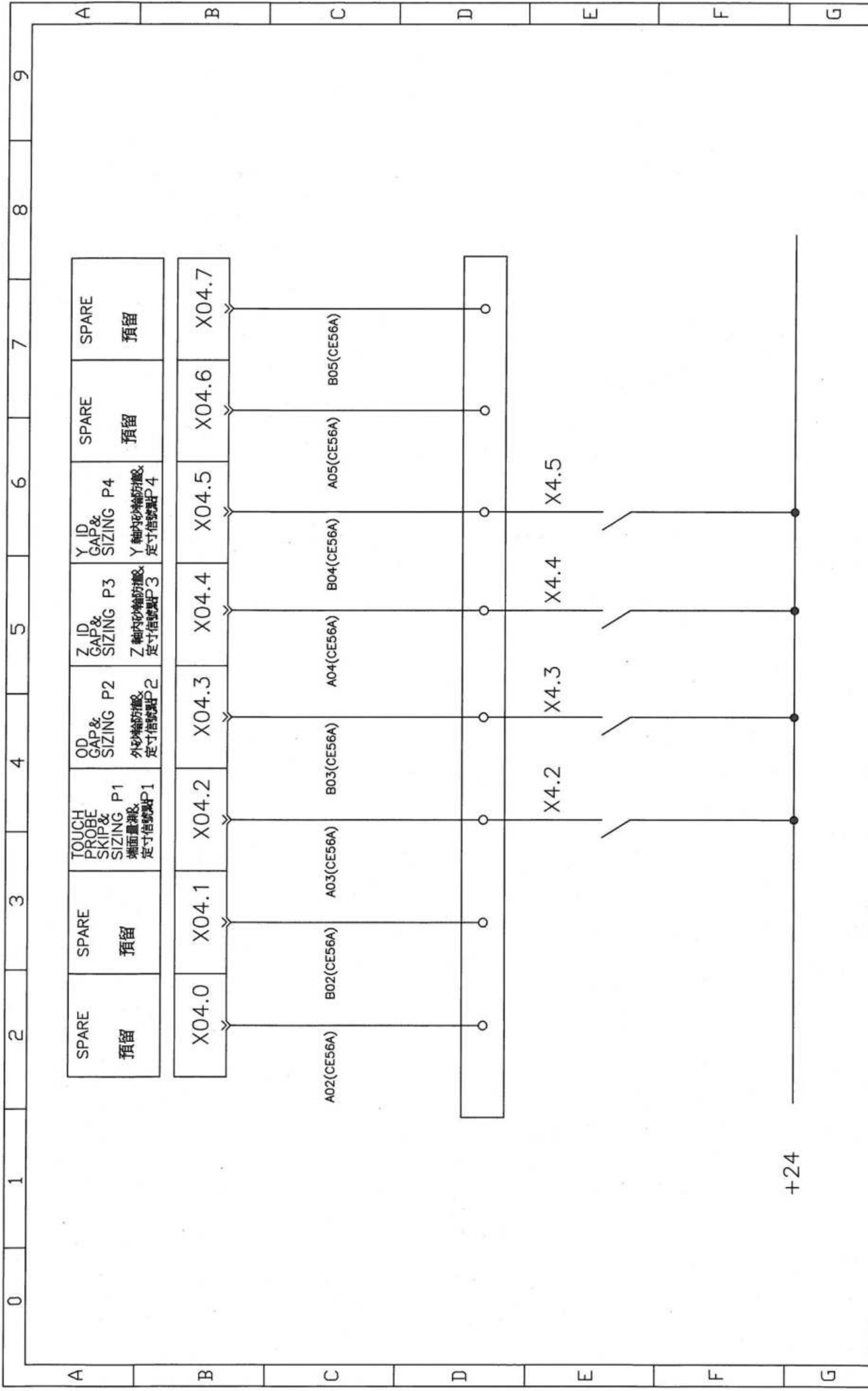
d	Approved	16	10	14	SHUN	SHARP	NC Type	0I-TF	Machine:	0D Grinding	Drawing No.:	09	
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	CONTROL SYSTEM			
b	Designed	16	10	14	SHUN								
a	Drawn	16	10	14	SHUN								



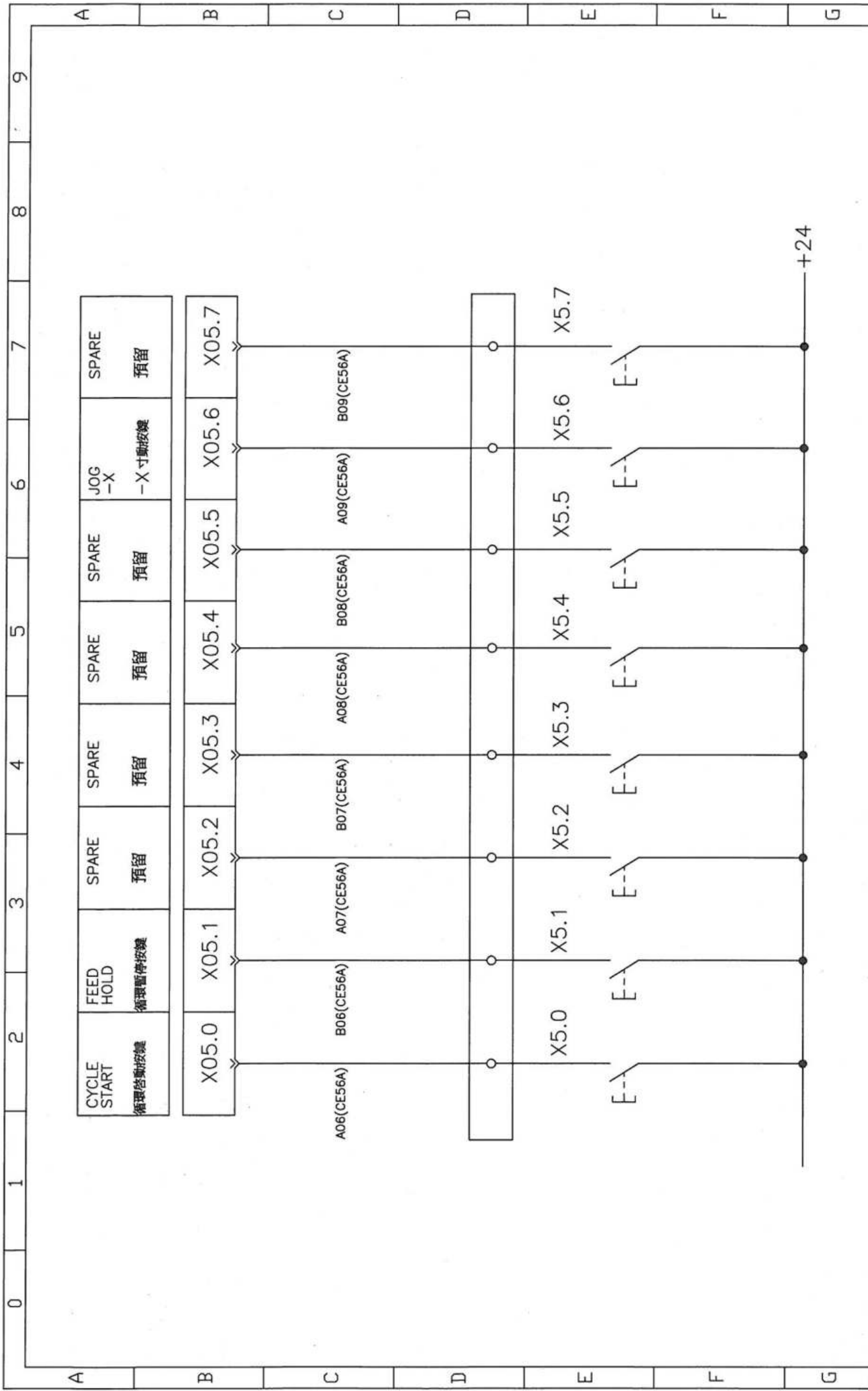
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	Drawing No.:
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	OD Grinding	10
b	Designed	16	10	14	SHUN				Title:	
a	Drawn	16	10	14	SHUN				CONTROL SYSTEM	



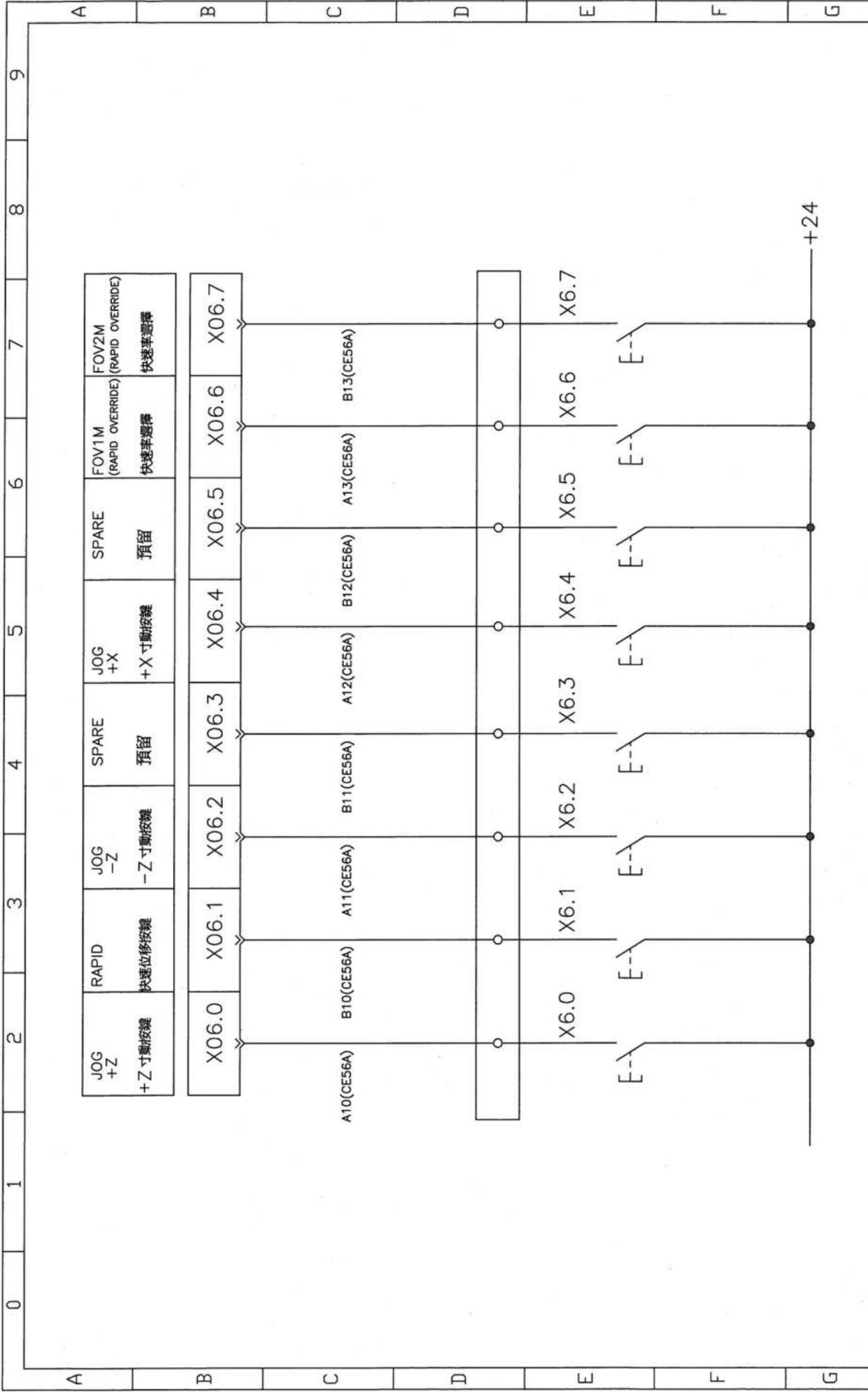
d	Approved	16	10	14	SHUN	SHARP	NC Type	0I-TF	Machine:	OD Grinding	Drawing No.:	11
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title: CONTROL SYSTEM			
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



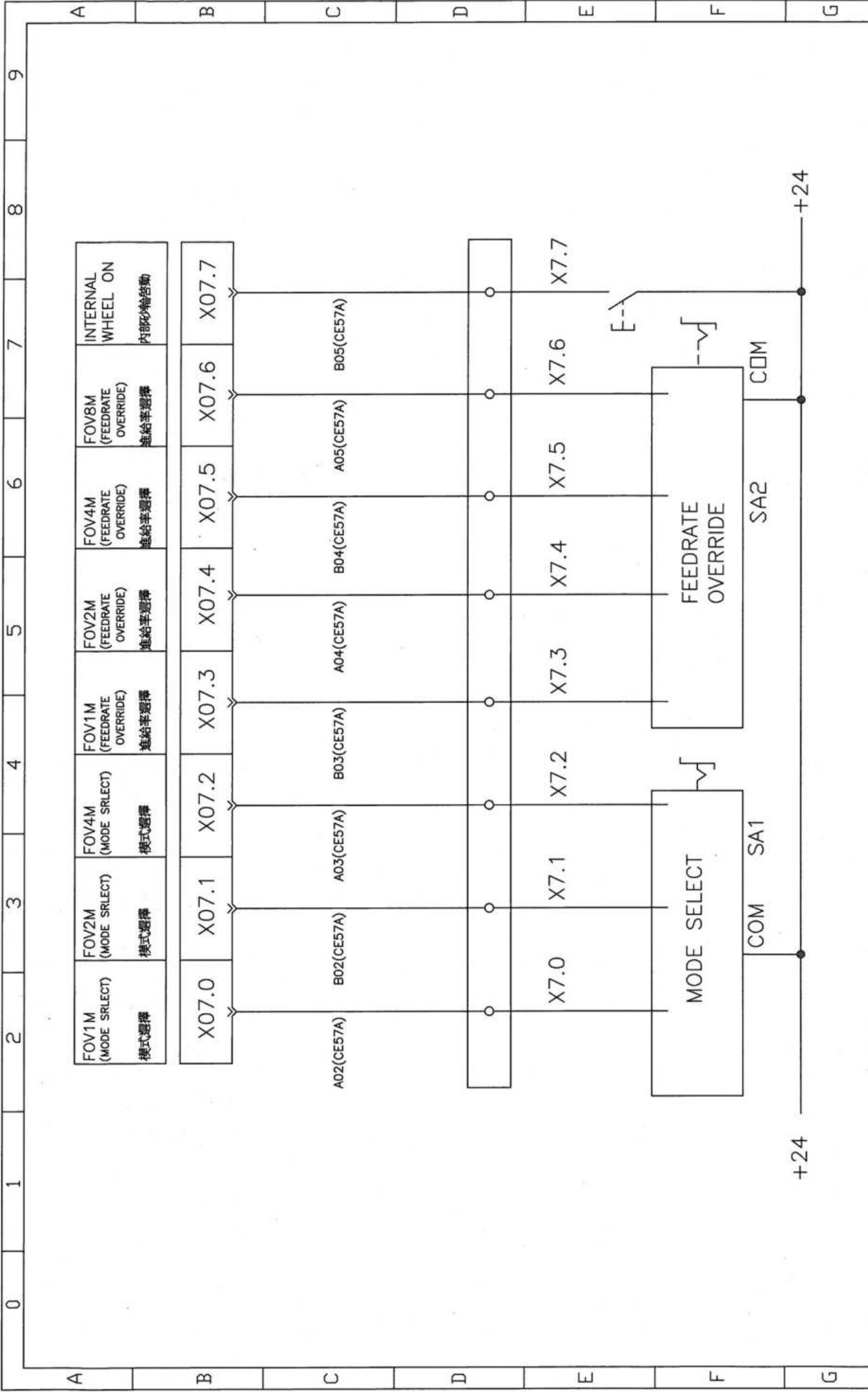
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	12
c	Checked	16	10	14	SHUN		PC ROM	OD-CNC	Title:	OPERATION PANEL (PB)		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



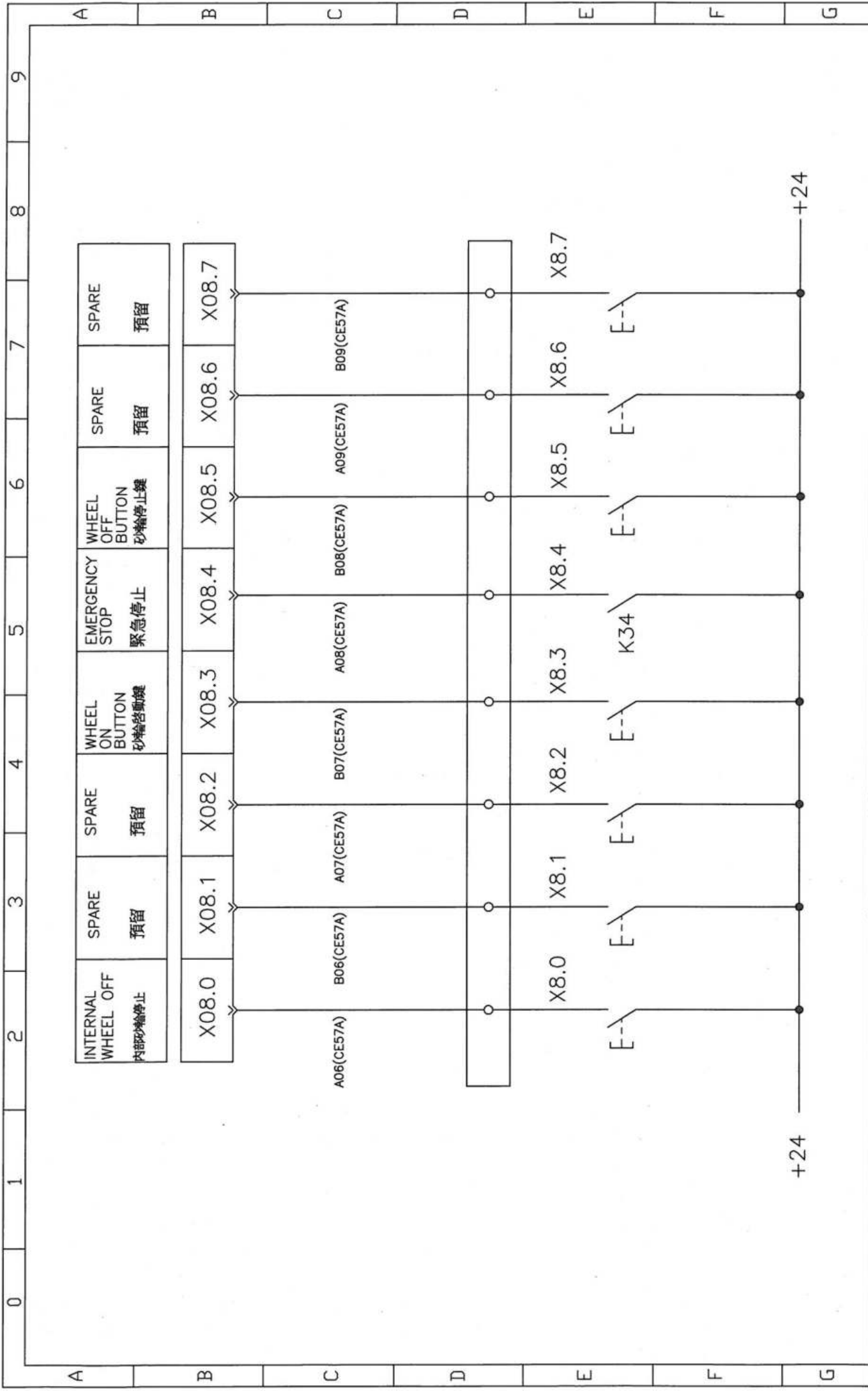
Approved		16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine: □□ Grinding	Drawing No.: 13	
Checked		16	10	14	SHUN			MODEL			OD-CNC
Designed		16	10	14	SHUN		Title: OPERATION PANEL (PB)				
Drawn		16	10	14	SHUN						



d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	14
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	OPERATION PANEL (PB)		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



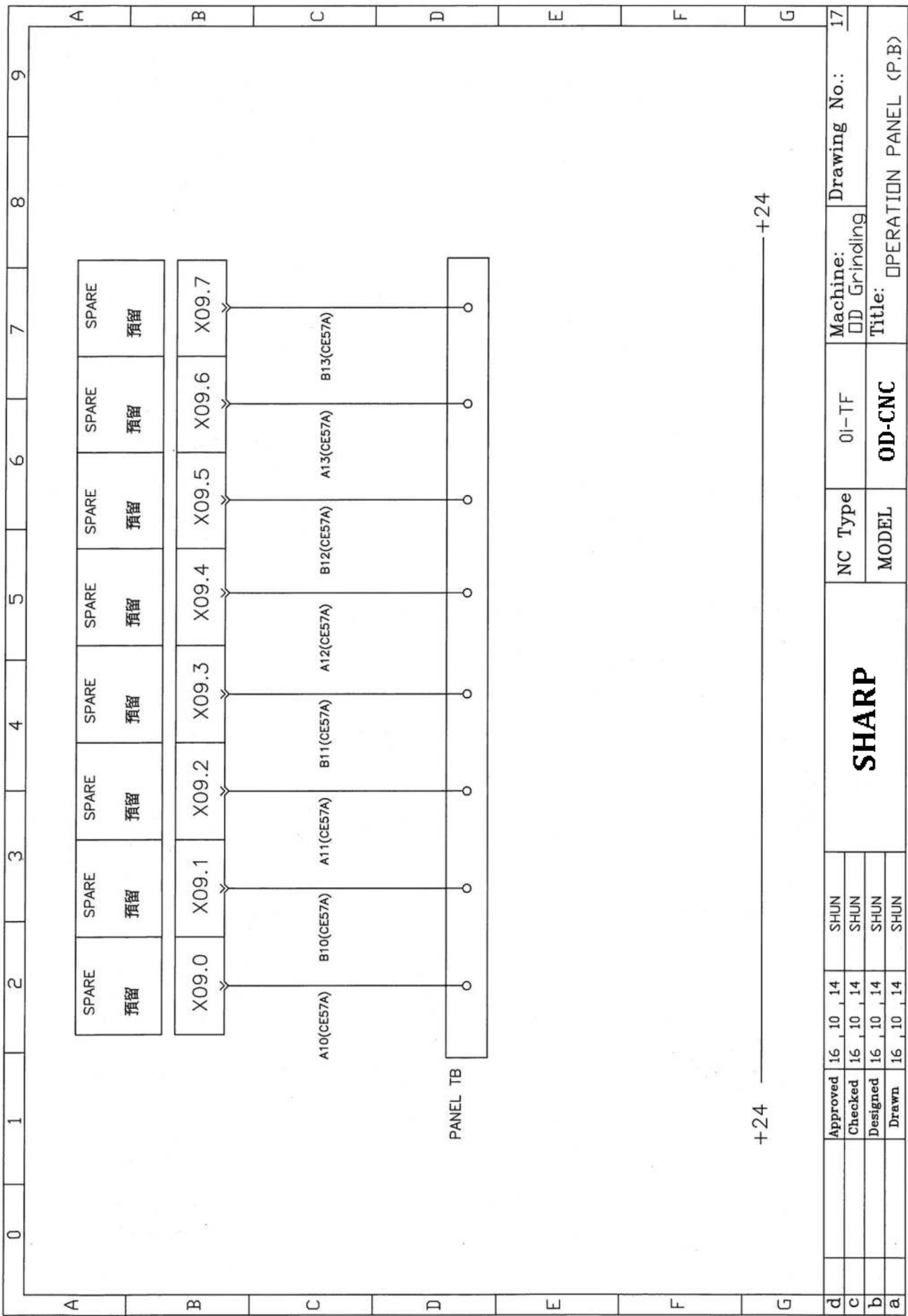
d	Approved	16	10	14	SHUN	SHARP	NC Type	0I-TF	Machine:	DD Grinding	Drawing No.:	15	
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	OPERATION PANEL (P,B)			
b	Designed	16	10	14	SHUN								
a	Drawn	16	10	14	SHUN								



INTERNAL WHEEL OFF 内部砂轮停止	SPARE 预留	SPARE 预留	WHEEL ON BUTTON 砂轮启动键	EMERGENCY STOP 紧急停止	WHEEL OFF BUTTON 砂轮停止键	SPARE 预留	SPARE 预留
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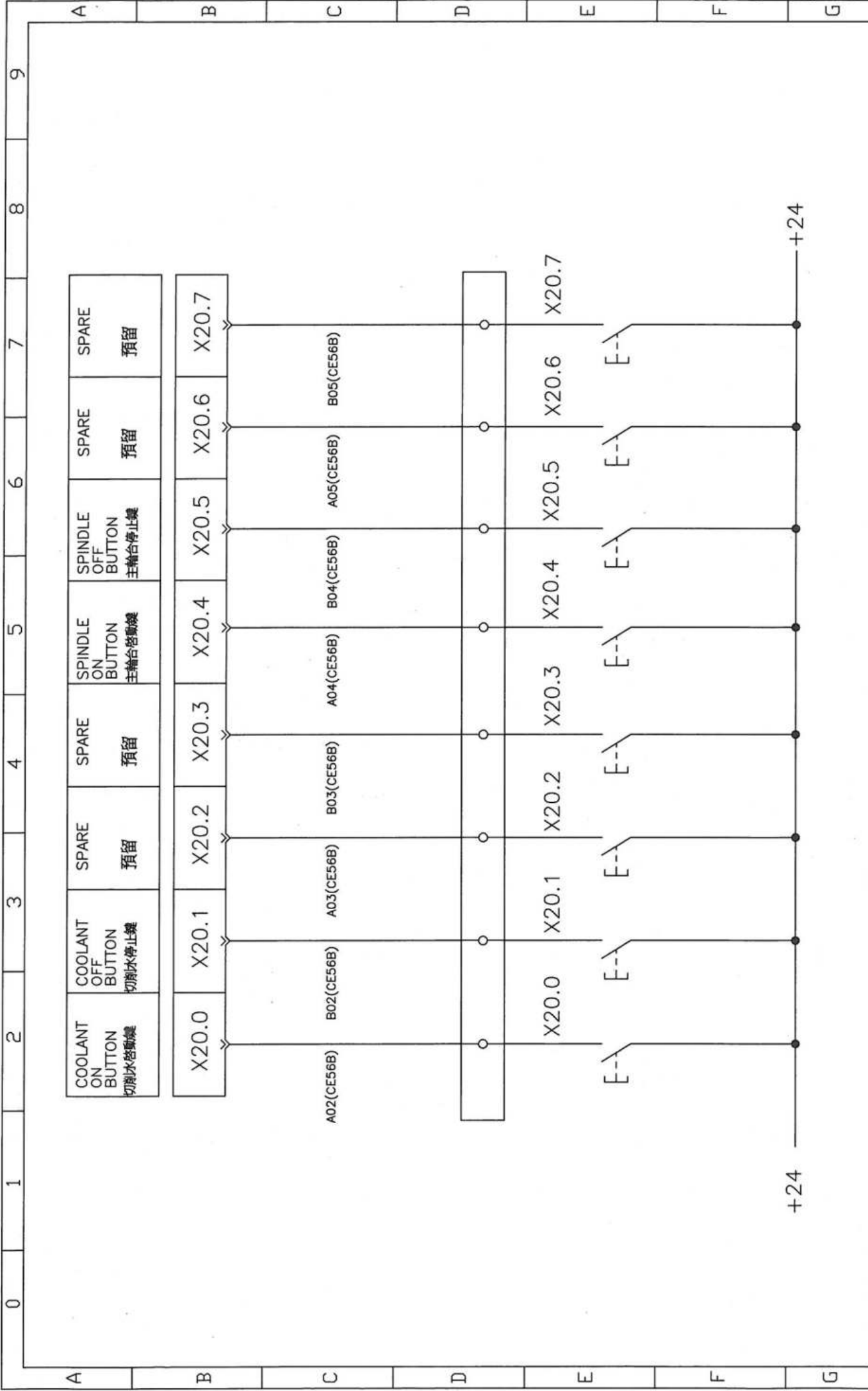
X08.0	X08.1	X08.2	X08.3	X08.4	X08.5	X08.6	X08.7
A06(CE57A)	A07(CE57A)	B07(CE57A)	A08(CE57A)	B08(CE57A)	A09(CE57A)	B09(CE57A)	B09(CE57A)

Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	16
Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	OPERATION PANEL (P,B)		
Designed	16	10	14	SHUN							
Drawn	16	10	14	SHUN							

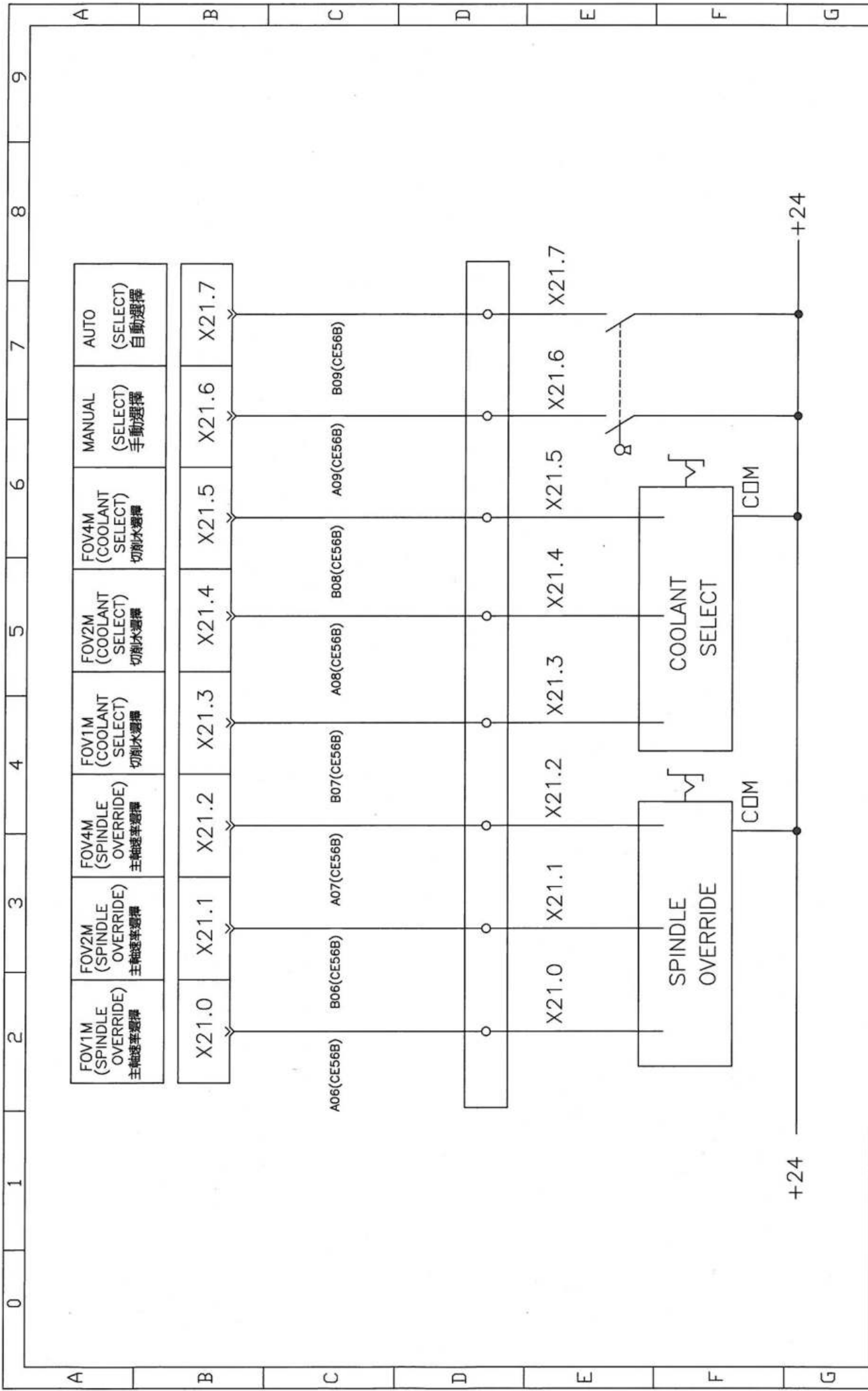


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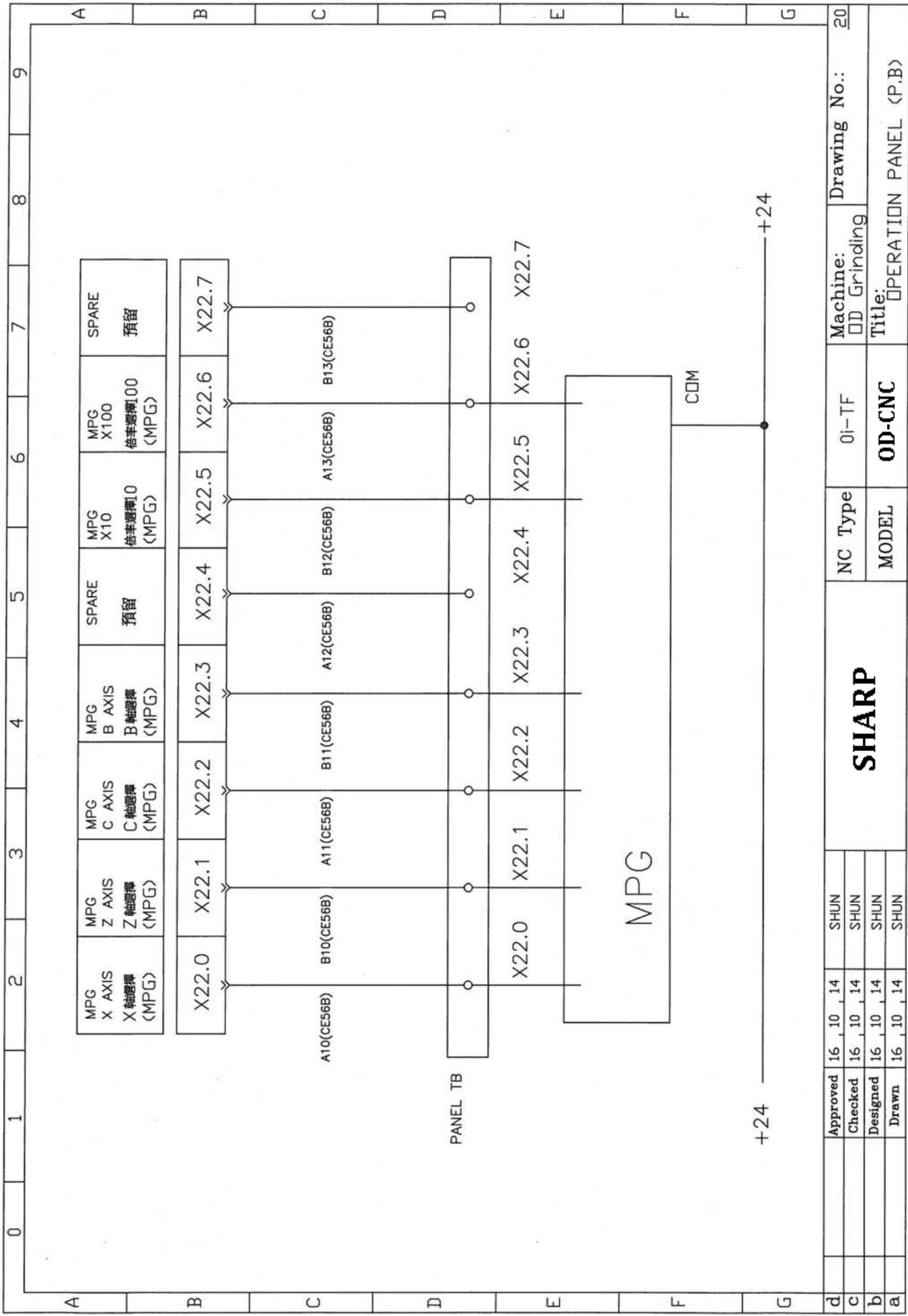
d	Approved	16	10	14	SHUN	SHARP	Machine:	DD Grinding	Drawing No.:	17
c	Checked	16	10	14	SHUN		NC Type	0i-TF		
b	Designed	16	10	14	SHUN		MODEL	OD-CNC	Title: OPERATION PANEL (P.B)	
a	Drawn	16	10	14	SHUN					



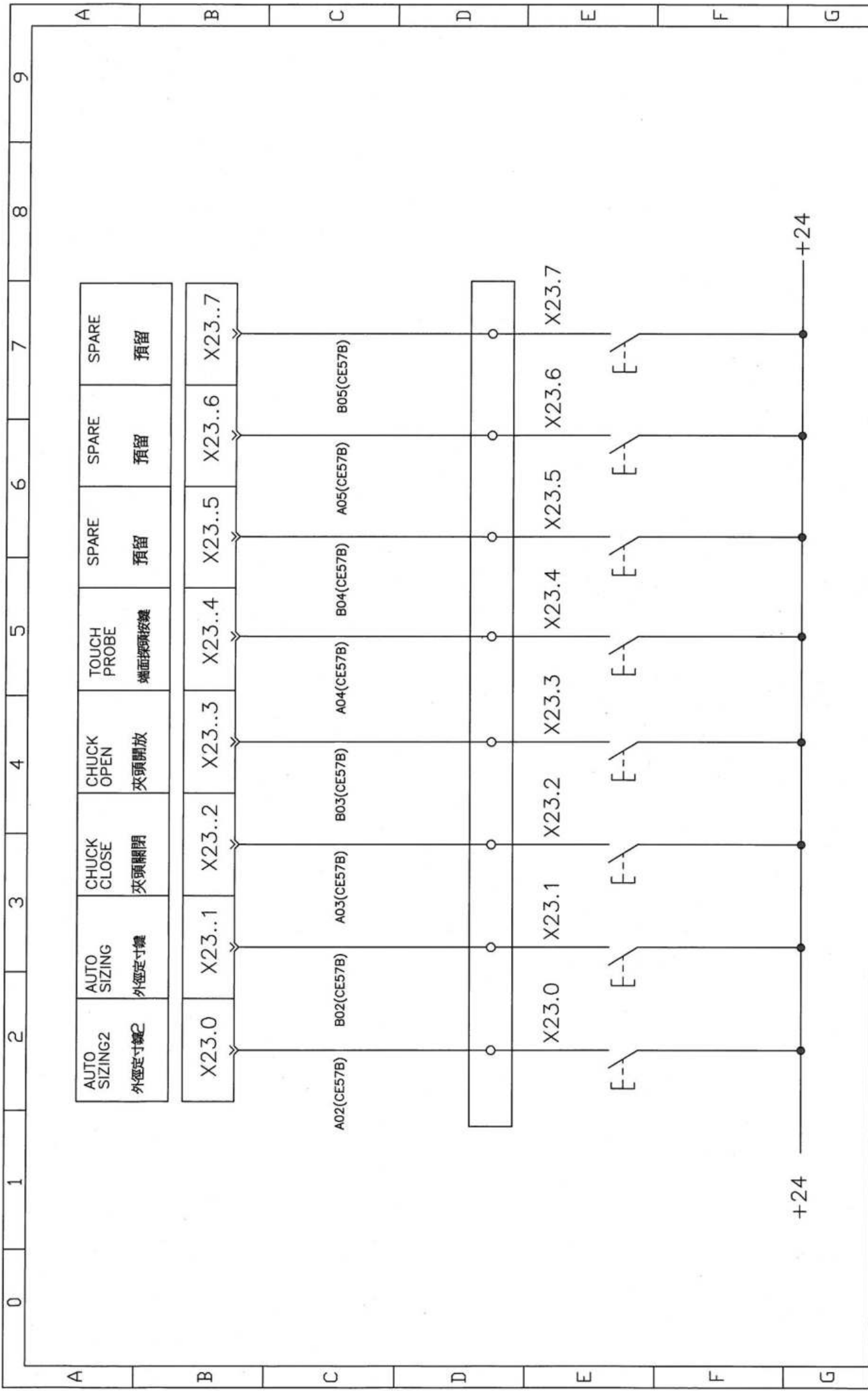
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	18
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title: OPERATION PANEL (P.B)			
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



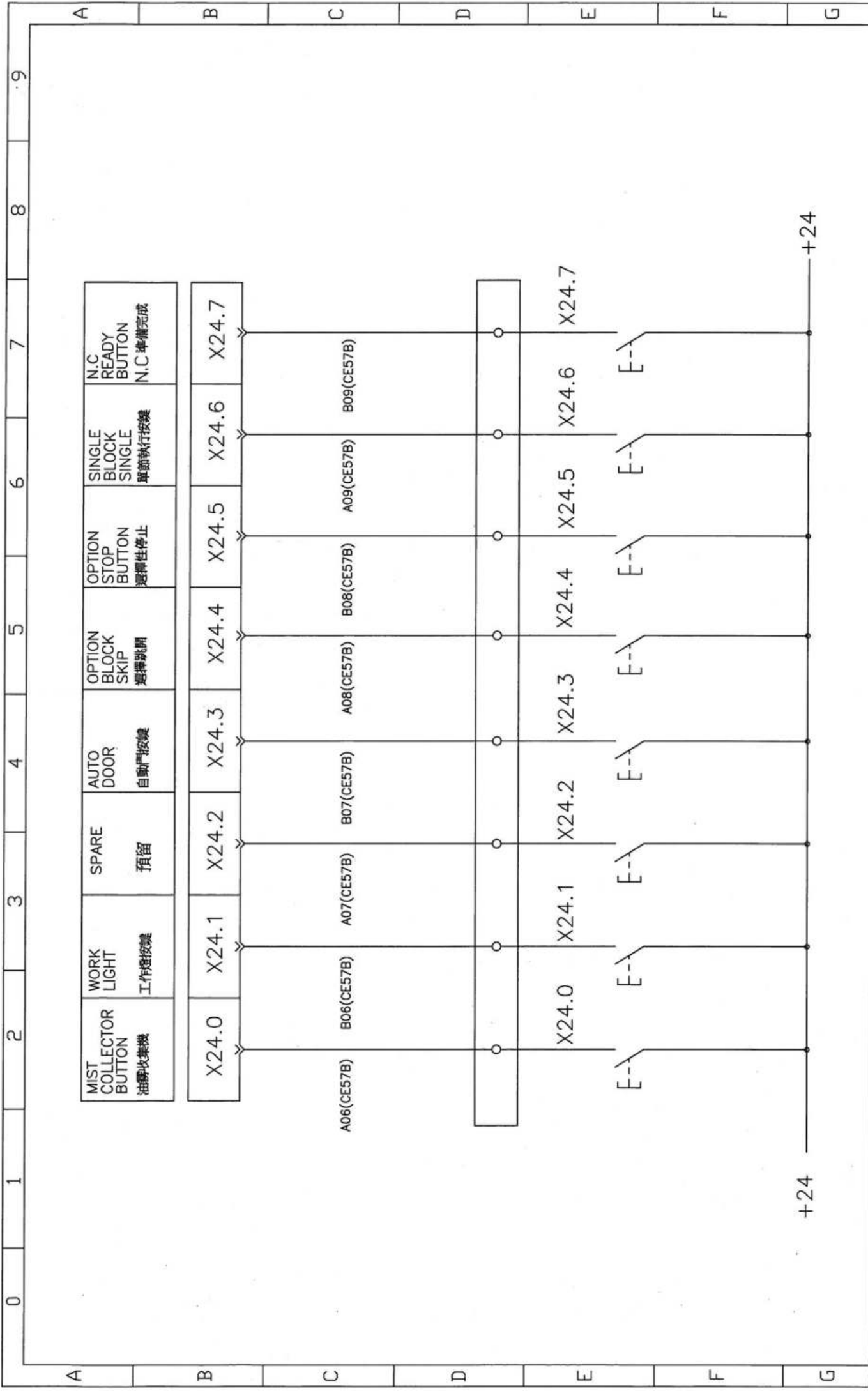
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine: DD Grinding	Drawing No.: 19
	Checked	16	10	14	SHUN					
	Designed	16	10	14	SHUN					
	Drawn	16	10	14	SHUN					
							MODEL	OD-CNC	Title: OPERATION PANEL (P.B)	



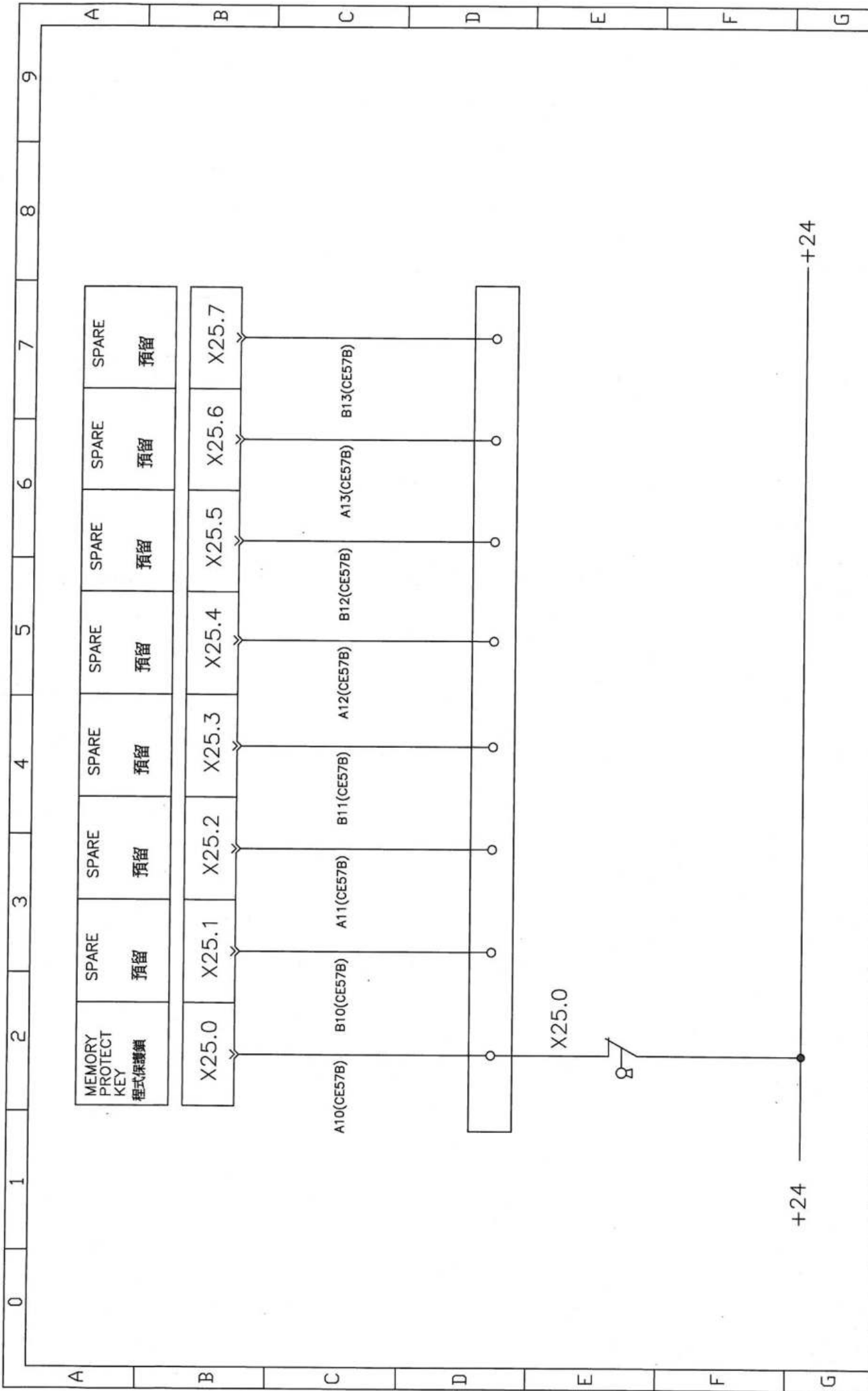
Approved		16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine: OD Grinding	Drawing No.: 20
Checked		16	10	14	SHUN					
Designed		16	10	14	SHUN		MODEL	OD-CNC	Title: OPERATION PANEL (P.B)	
Drawn		16	10	14	SHUN					



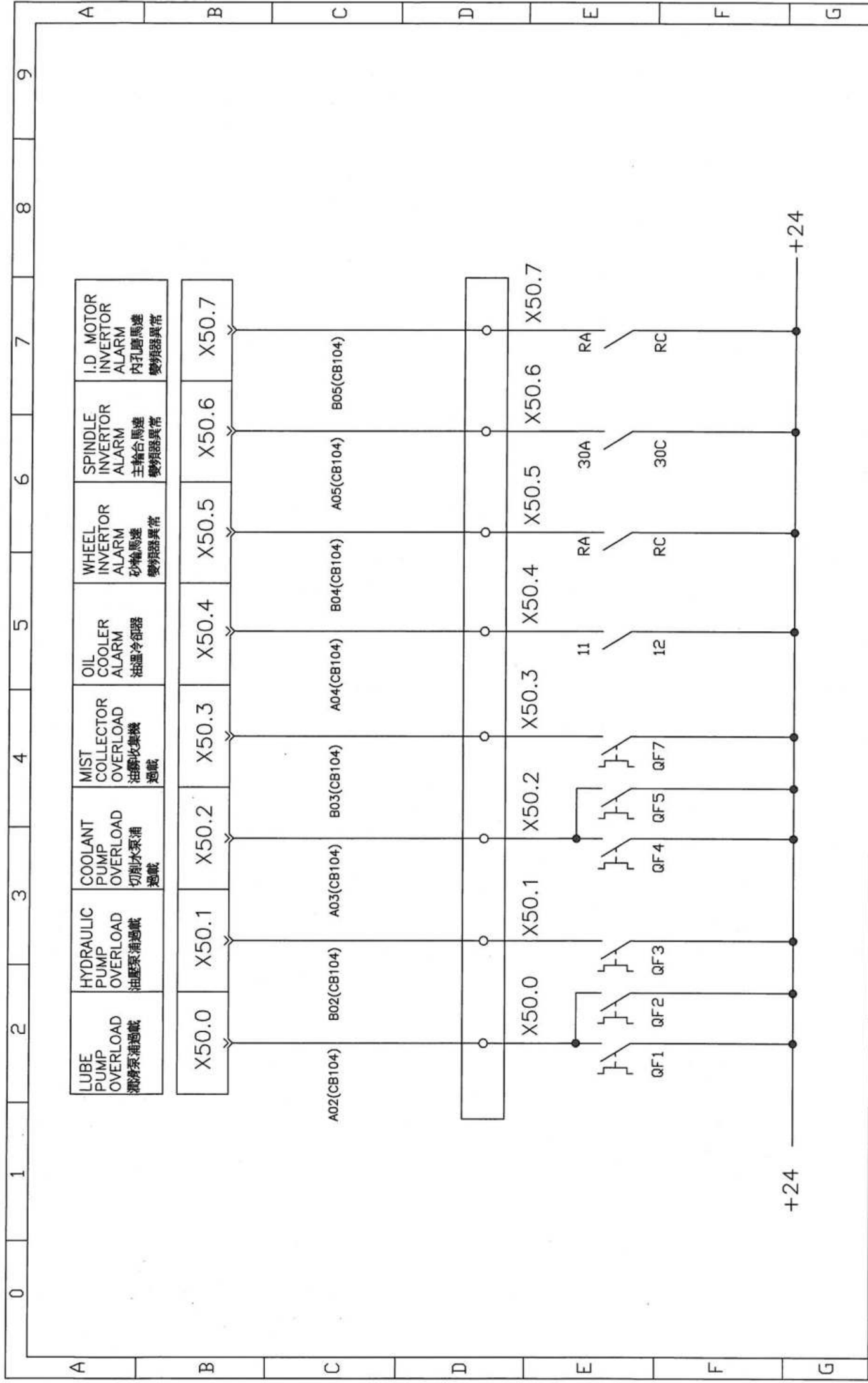
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	21	
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	OPERATION PANEL (P,B)			
b	Designed	16	10	14	SHUN								
a	Drawn	16	10	14	SHUN								



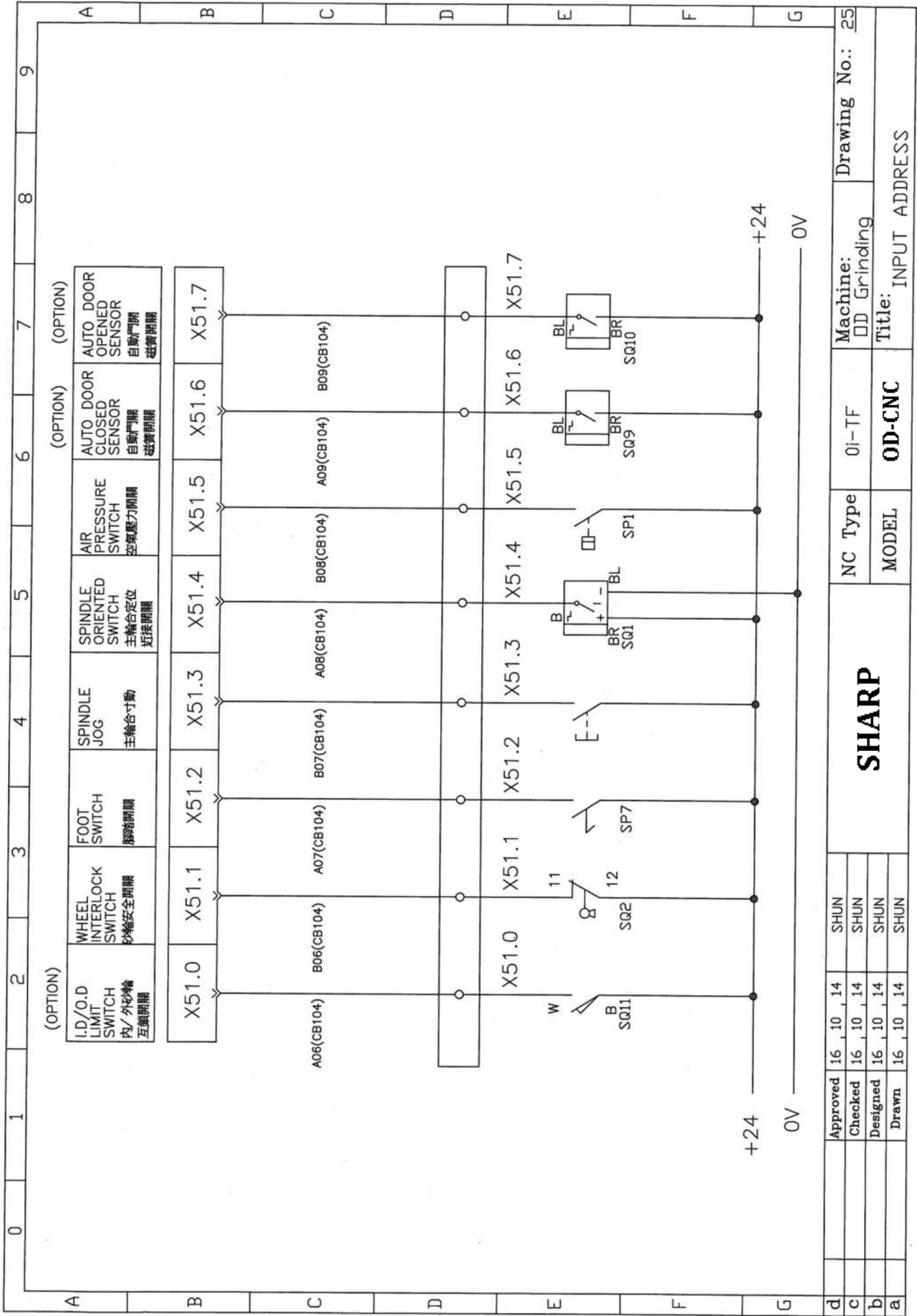
d	Approved	16	10	14	SHUN	SHARP	NC Type	01-TF	Machine:	DD Grinding	Drawing No.:	22	
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	OPERATION PANEL (P.B)			
b	Designed	16	10	14	SHUN								
a	Drawn	16	10	14	SHUN								



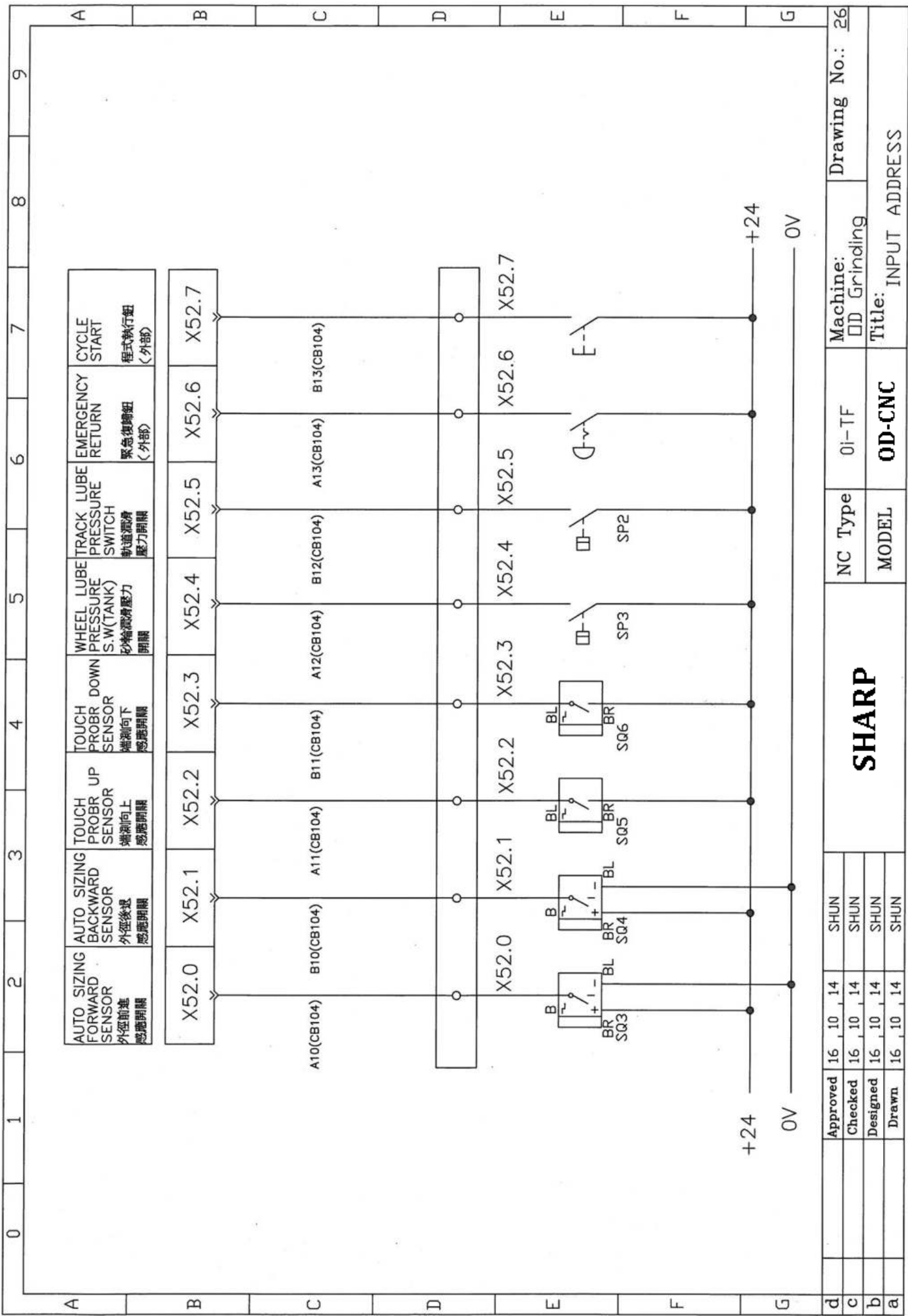
d	Approved	16	10	14	SHUN	SHARP	NC Type	0I-TF	Machine:	Drawing No.: 23	
c	Checked	16	10	14	SHUN			MODEL	OD-CNC		DD Grinding
b	Designed	16	10	14	SHUN		Title: OPERATION PANEL (P,B)				
a	Drawn	16	10	14	SHUN						



d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	24
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	INPUT ADDRESS		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							

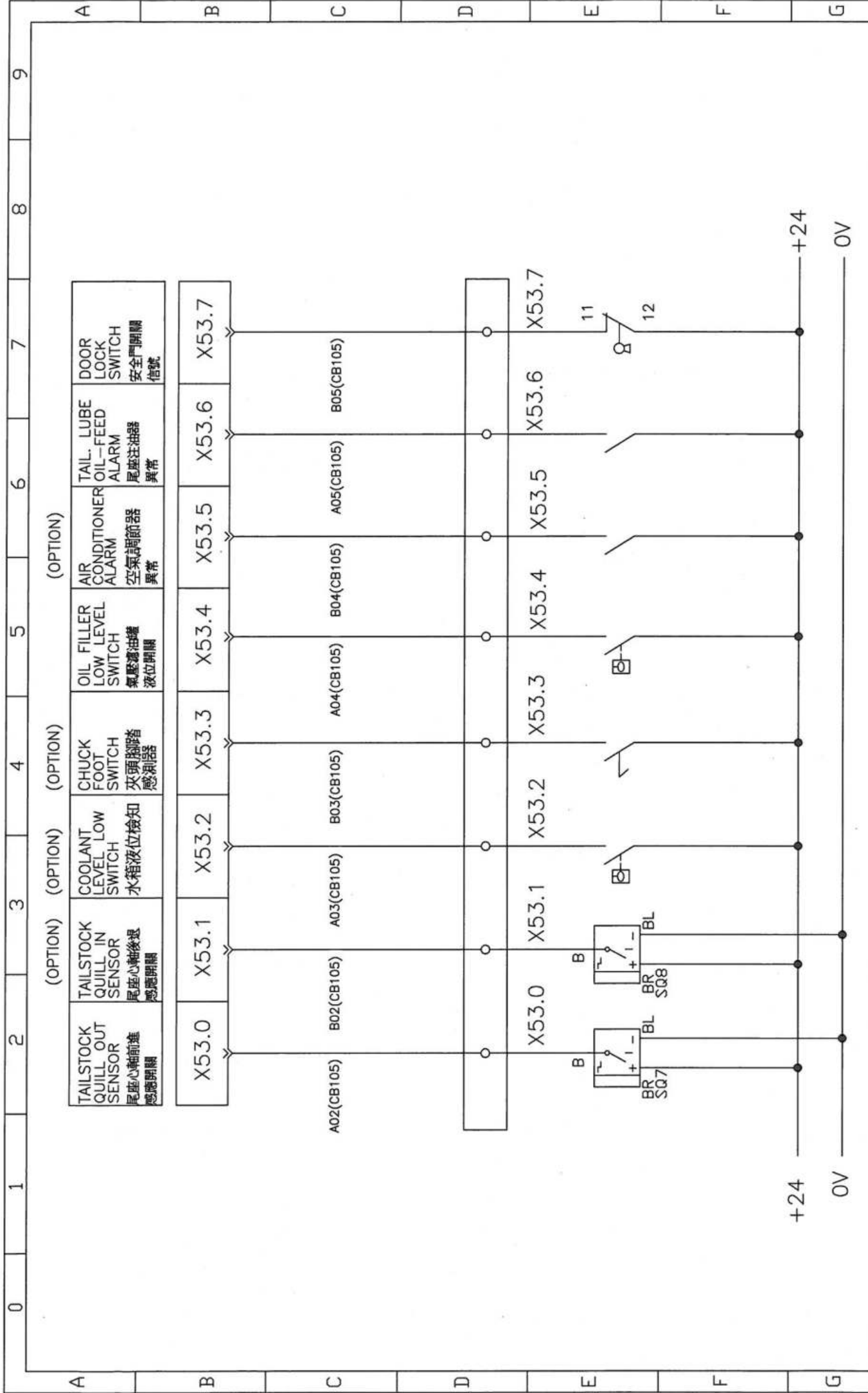


SHARP				NC Type		0i-TF	Machine:		Drawing No.: 25				
				MODEL		OD-CNC	Title:		INPUT ADDRESS				
				Approved	16	10	14	SHUN					
				Checked	16	10	14	SHUN					
Designed	16	10	14	SHUN									
Drawn	16	10	14	SHUN									

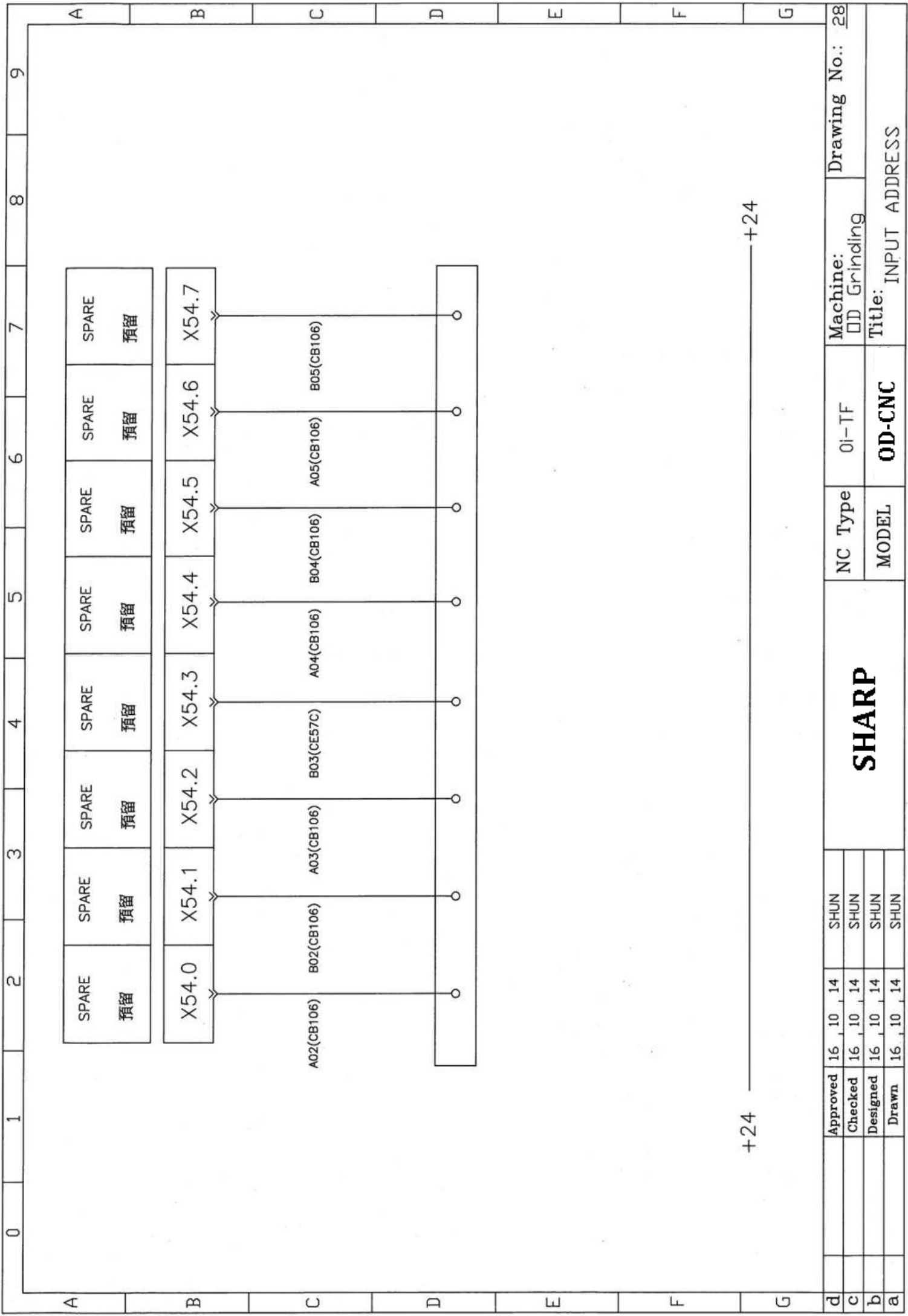


AUTO SIZING FORWARD SENSOR 外徑前進 感應開關	AUTO SIZING BACKWARD SENSOR 外徑後退 感應開關	TOUCH PROBR UP SENSOR 端測向上 感應開關	TOUCH PROBR DOWN SENSOR 端測向下 感應開關	WHEEL LUBE PRESSURE S.W.(TANK) 砂輪潤滑壓力 開關	TRACK LUBE PRESSURE SWITCH 軌道潤滑 壓力開關	EMERGENCY RETURN 緊急復歸鈕 (外部)	CYCLE START 程式執行鈕 (外部)
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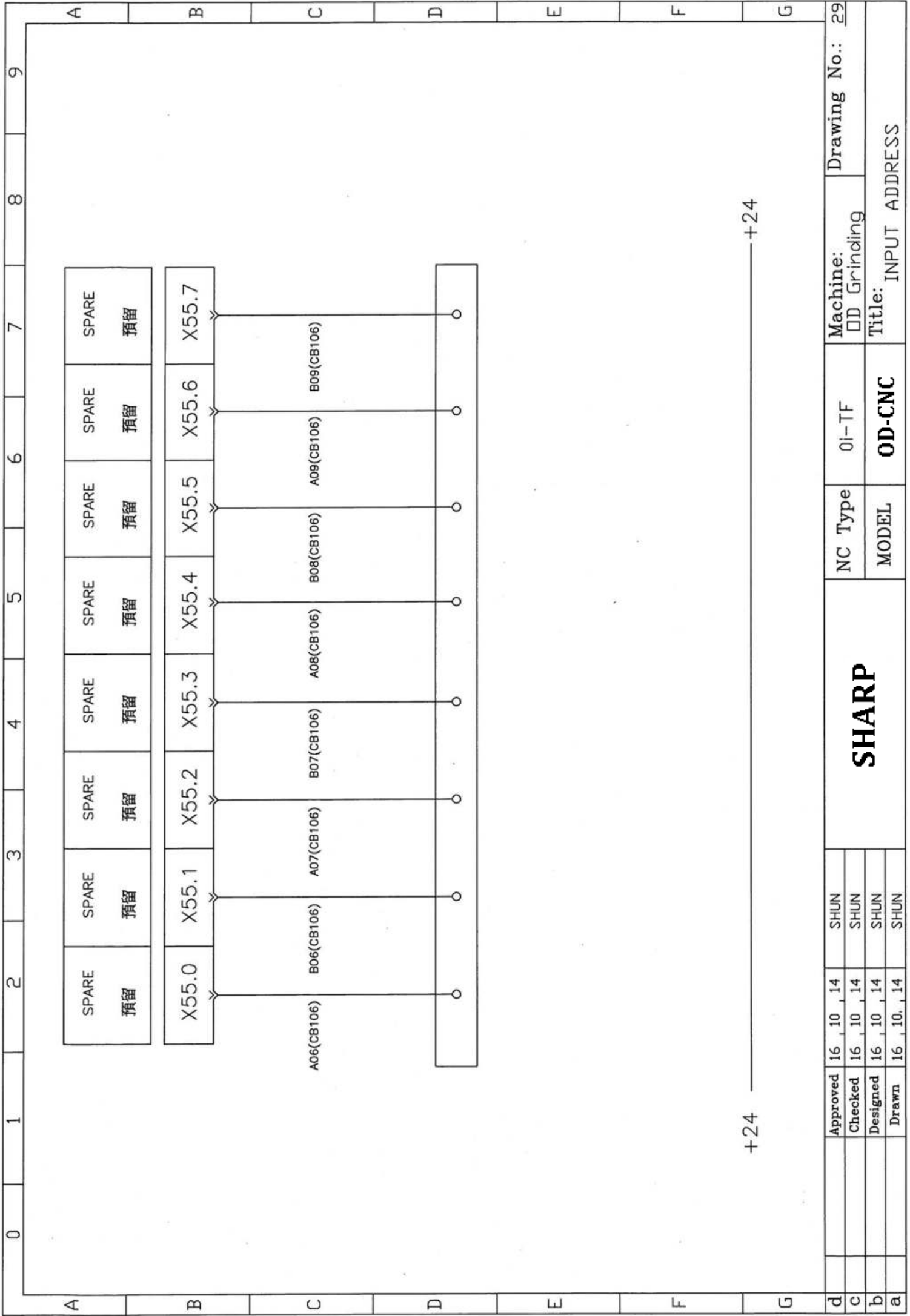
Approved		16	10	14	SHUN	SHARP	OD-CNC	NC Type 0i-TF	Machine: □□ Grinding	Drawing No.: 26	
Checked		16	10	14	SHUN						
Designed		16	10	14	SHUN						
Drawn		16	10	14	SHUN						
							Title: INPUT ADDRESS				



Approved		16	10	14	SHUN		SHARP	NC Type	0i-TF	Machine: □□ Grinding	Drawing No.: 27	
Checked		16	10	14	SHUN							
Designed		16	10	14	SHUN							
Drawn		16	10	14	SHUN							
								MODEL	OD-CNC	Title: INPUT ADDRESS		



d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	Drawing No.:
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	<input type="checkbox"/> DD Grinding	28
b	Designed	16	10	14	SHUN		Title: INPUT ADDRESS			
a	Drawn	16	10	14	SHUN					

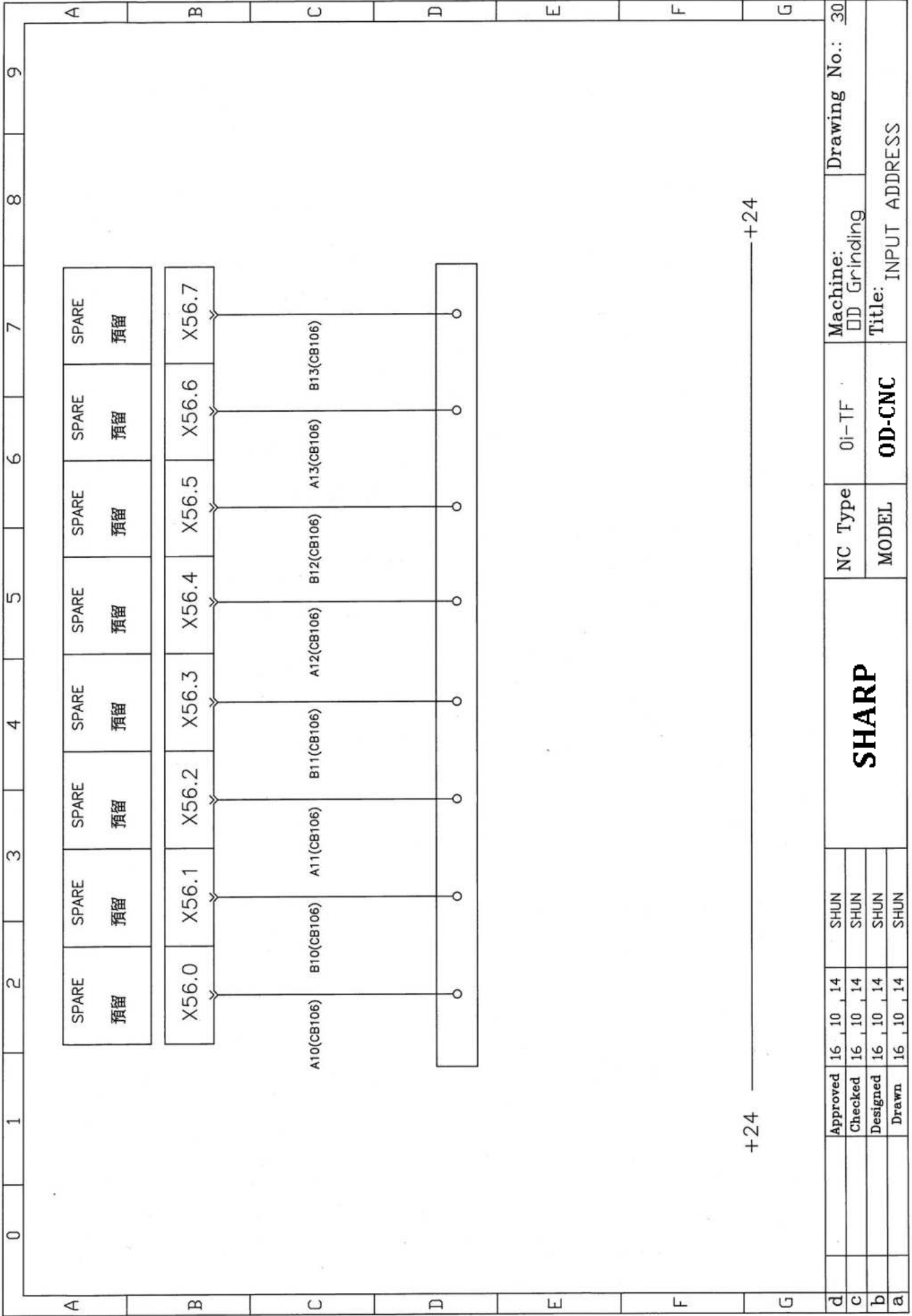


SPARE 预留	SPARE 预留	SPARE 预留	SPARE 预留	SPARE 预留	SPARE 预留	SPARE 预留	SPARE 预留
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X55.0	X55.1	X55.2	X55.3	X55.4	X55.5	X55.6	X55.7
A06(CB106)	B06(CB106)	A07(CB106)	B07(CB106)	A08(CB106)	B08(CB106)	A09(CB106)	B09(CB106)

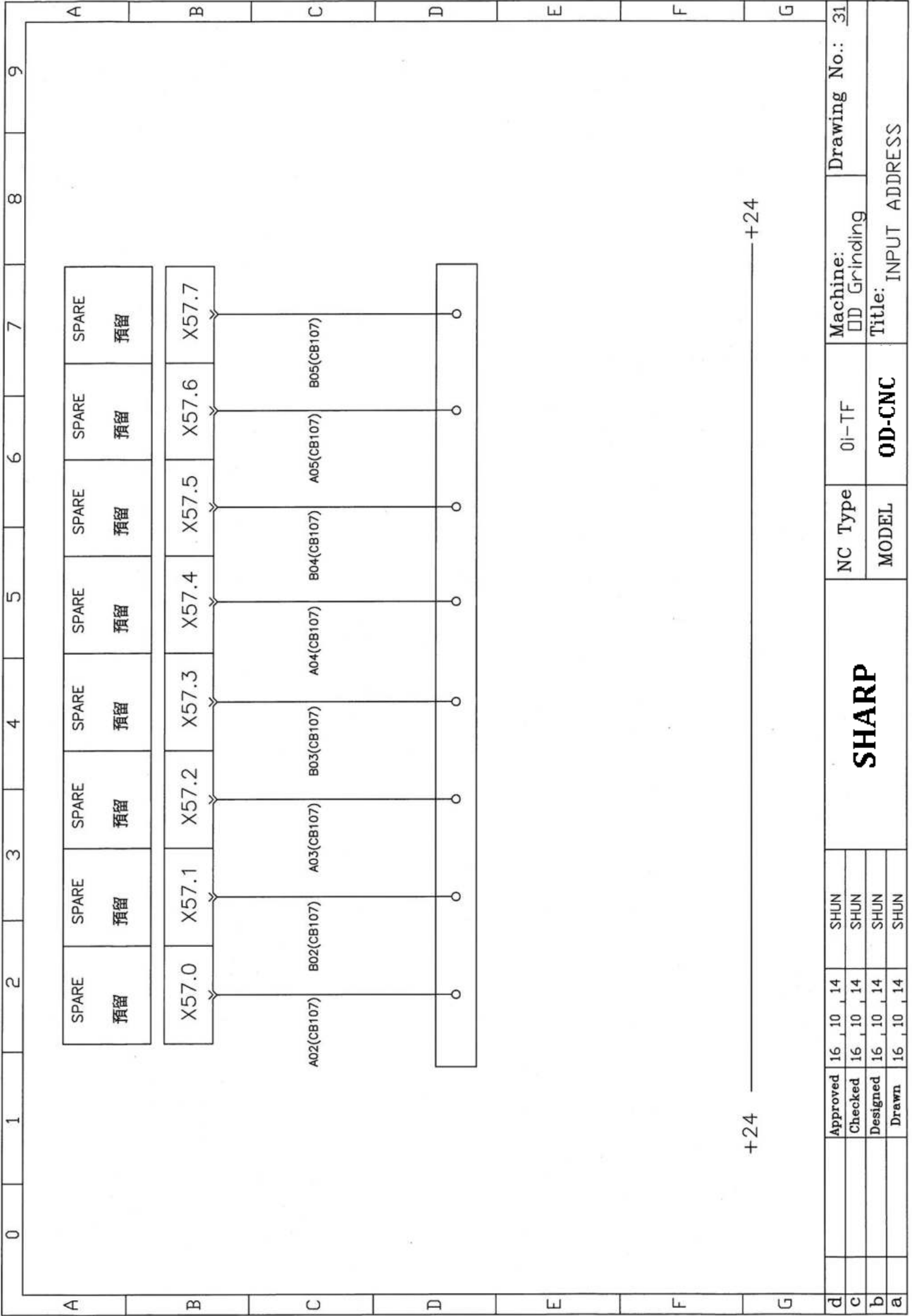
+24 _____ +24

SHARP		Machine: <input type="checkbox"/> D Grinding		Drawing No.: 29	
		NC Type 0i-TF		Title: INPUT ADDRESS	
		MODEL OD-CNC			
d	Approved	16	10	14	SHUN
c	Checked	16	10	14	SHUN
b	Designed	16	10	14	SHUN
a	Drawn	16	10	14	SHUN

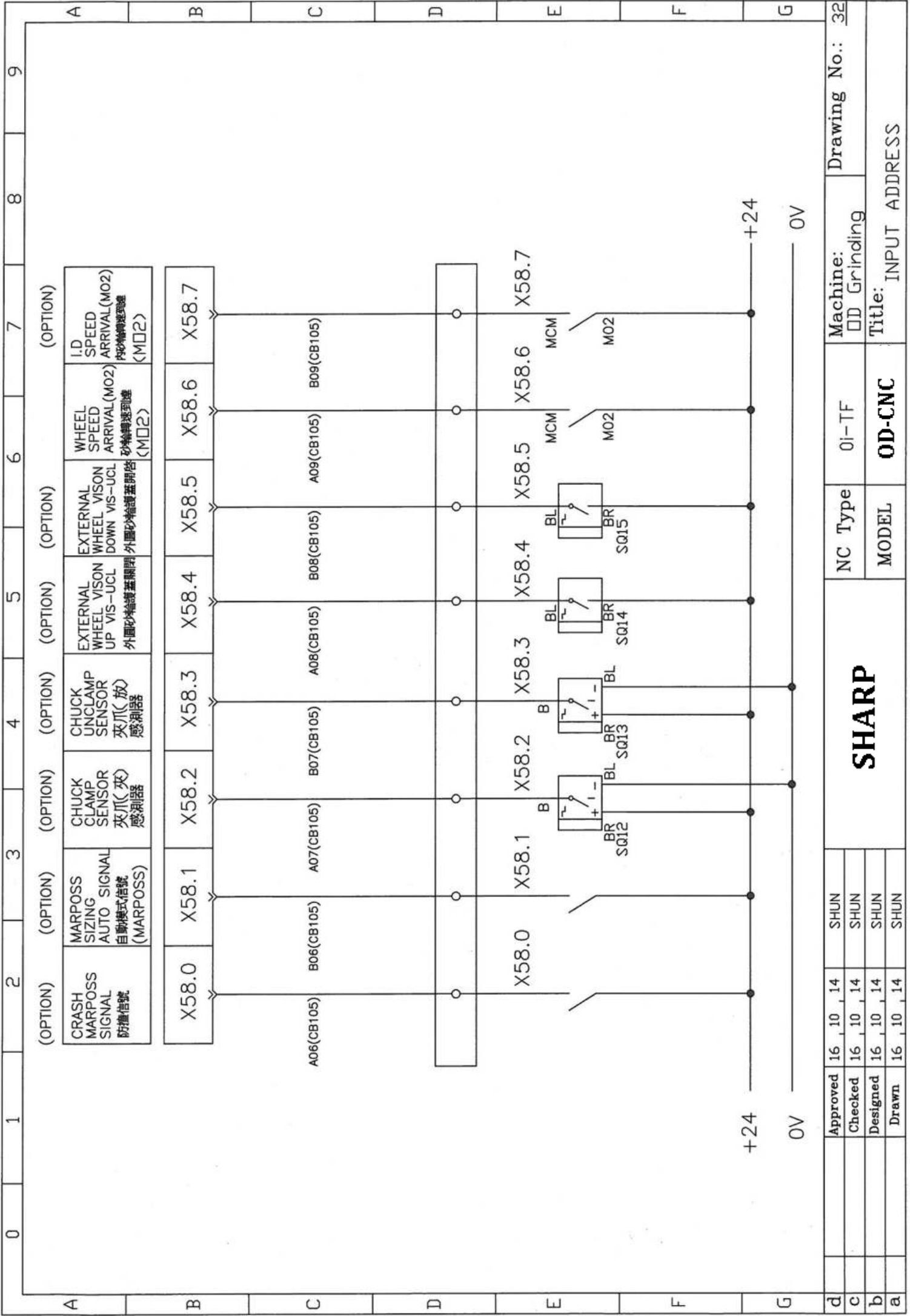


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d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	30
c	Checked	16	10	14	SHUN			MODEL	OD-CNC	Title:	INPUT ADDRESS	
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							

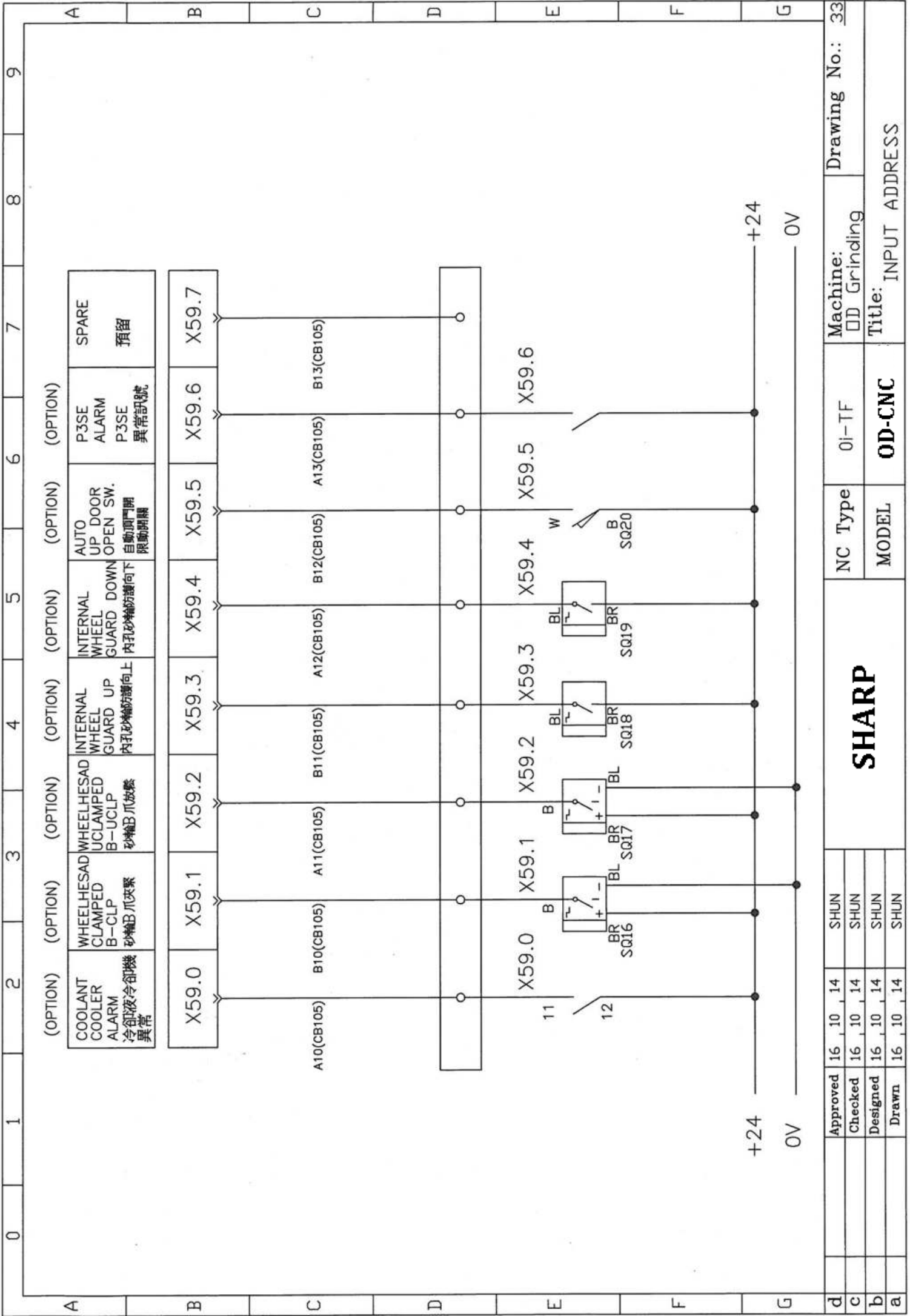


d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	□□ Grinding	Drawing No.:	31
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	INPUT ADDRESS		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							

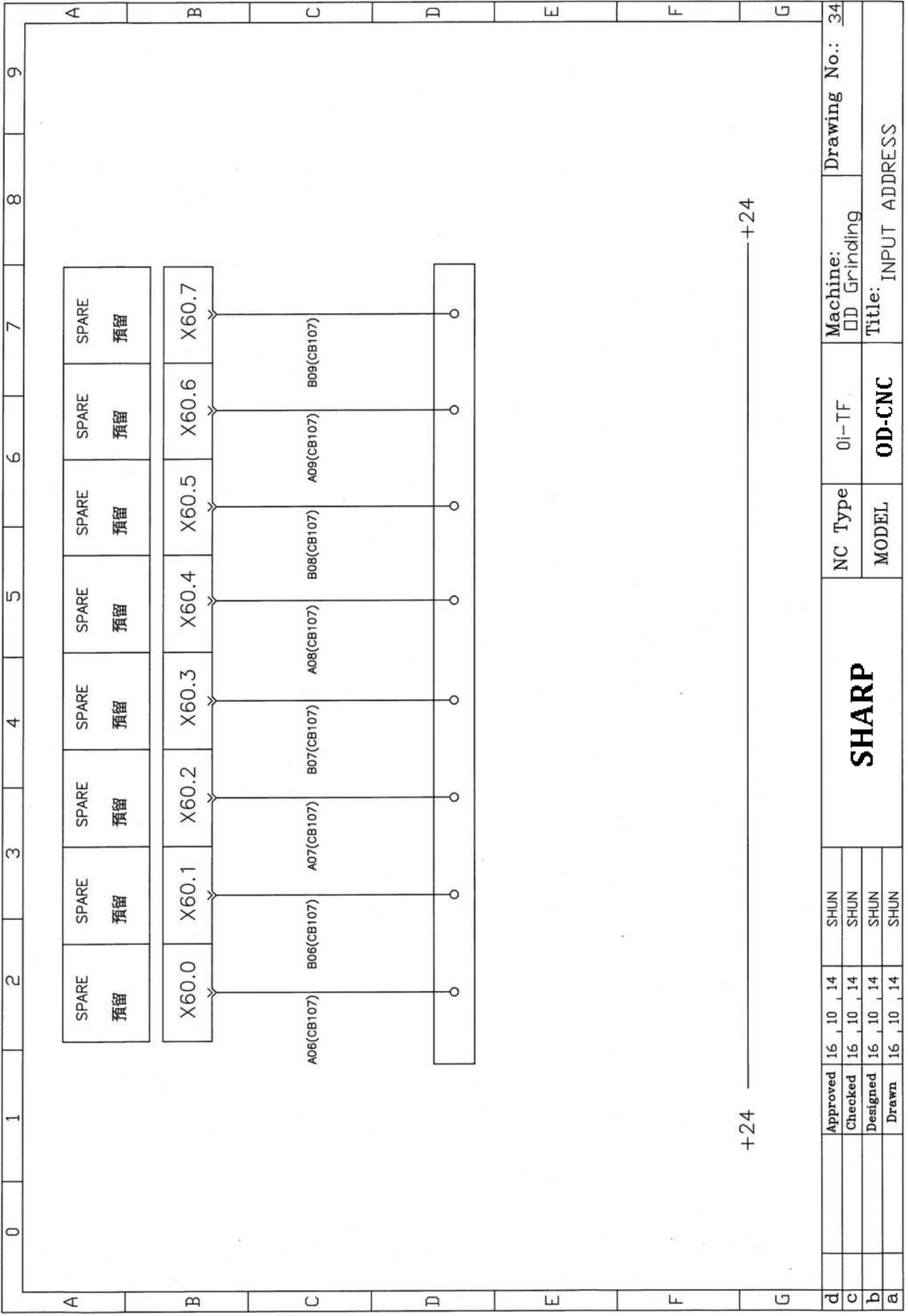


SHARP

Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	□□ Grinding	Drawing No.:	32
Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	INPUT ADDRESS		
Designed	16	10	14	SHUN							
Drawn	16	10	14	SHUN							

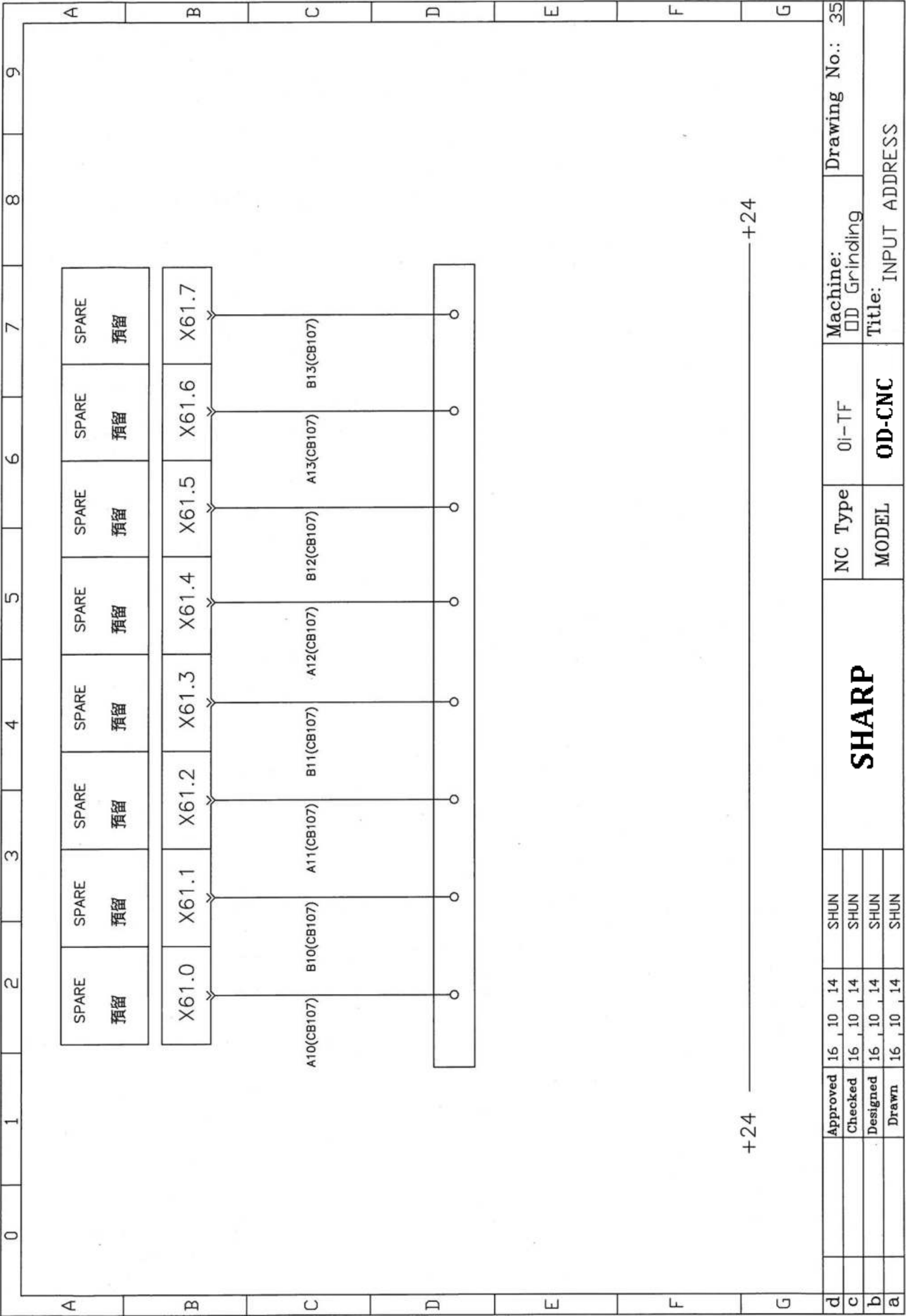


d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	Drawing No.: 33
c	Checked	16	10	14	SHUN				□□ Grinding	
b	Designed	16	10	14	SHUN		MODEL	OD-CNC	Title:	INPUT ADDRESS
a	Drawn	16	10	14	SHUN					



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d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	Drawing No.: 34
c	Checked	16	10	14	SHUN			MODEL	<input type="checkbox"/> DD Grinding	
b	Designed	16	10	14	SHUN		OD-CNC		Title:	
a	Drawn	16	10	14	SHUN		OD-CNC		INPUT ADDRESS	

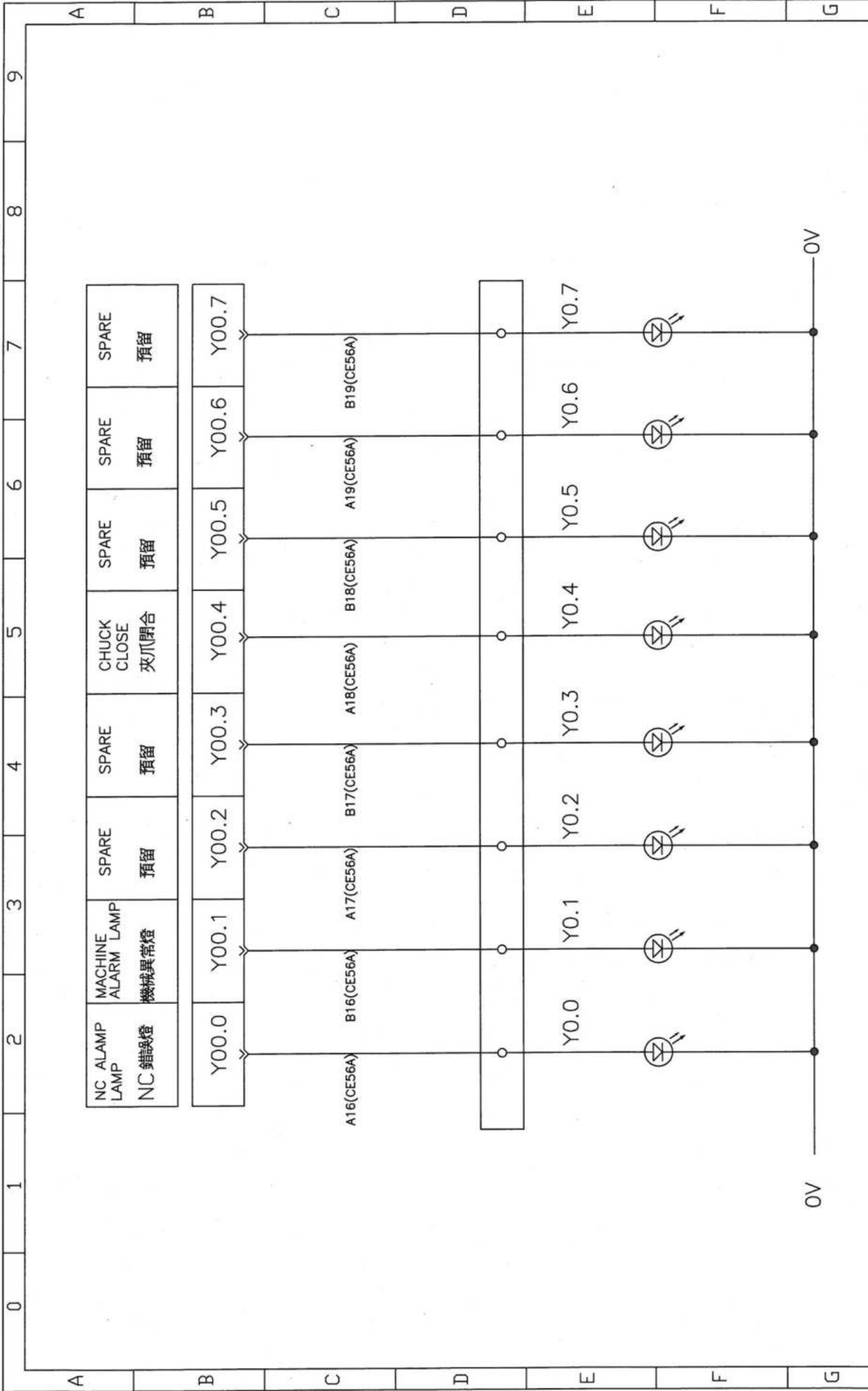


SPARE 預留	SPARE 預留	SPARE 預留	SPARE 預留	SPARE 預留	SPARE 預留	SPARE 預留	SPARE 預留
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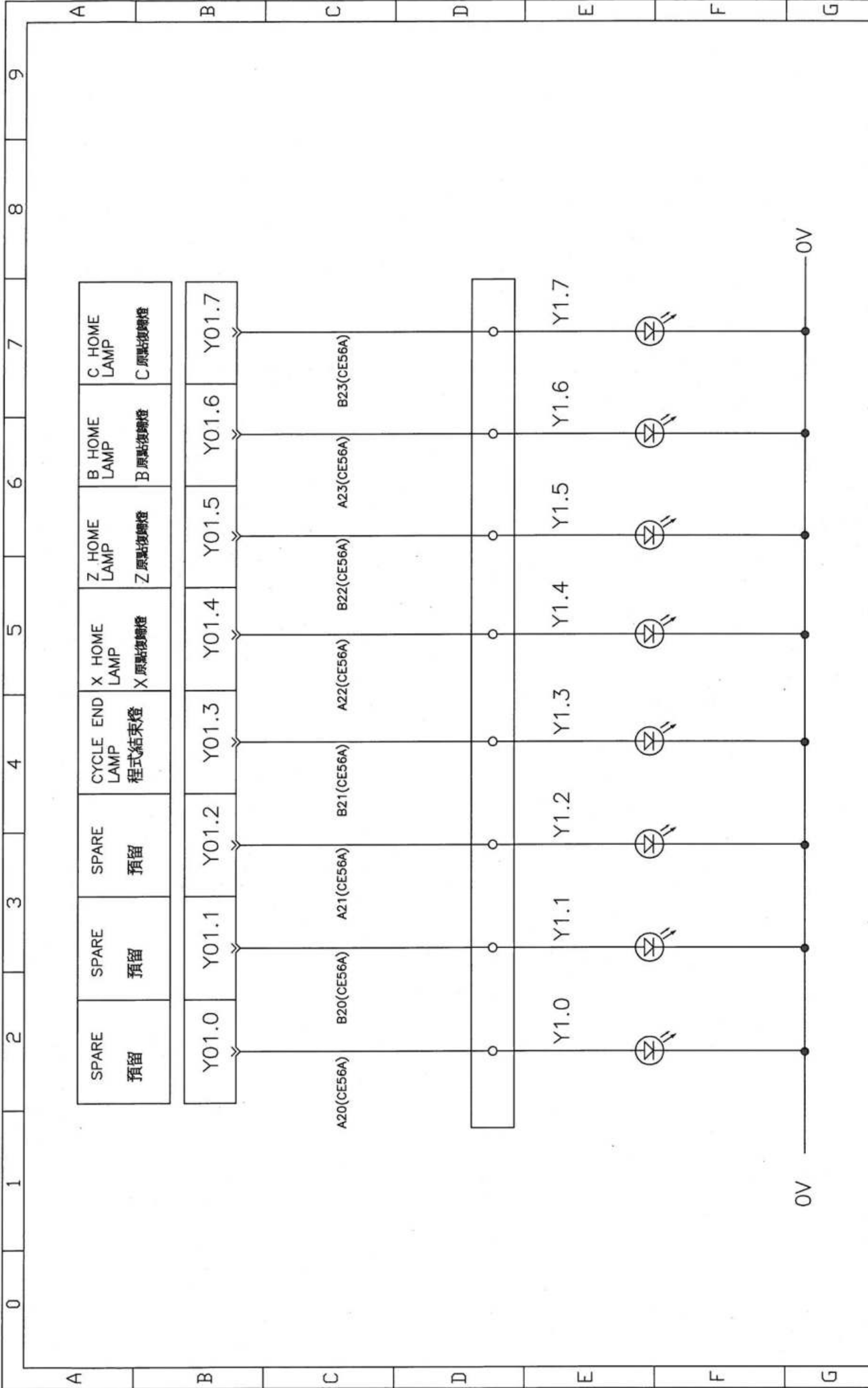
X61.0	X61.1	X61.2	X61.3	X61.4	X61.5	X61.6	X61.7
A10(CB107)	B10(CB107)	A11(CB107)	B11(CB107)	A12(CB107)	B12(CB107)	A13(CB107)	B13(CB107)

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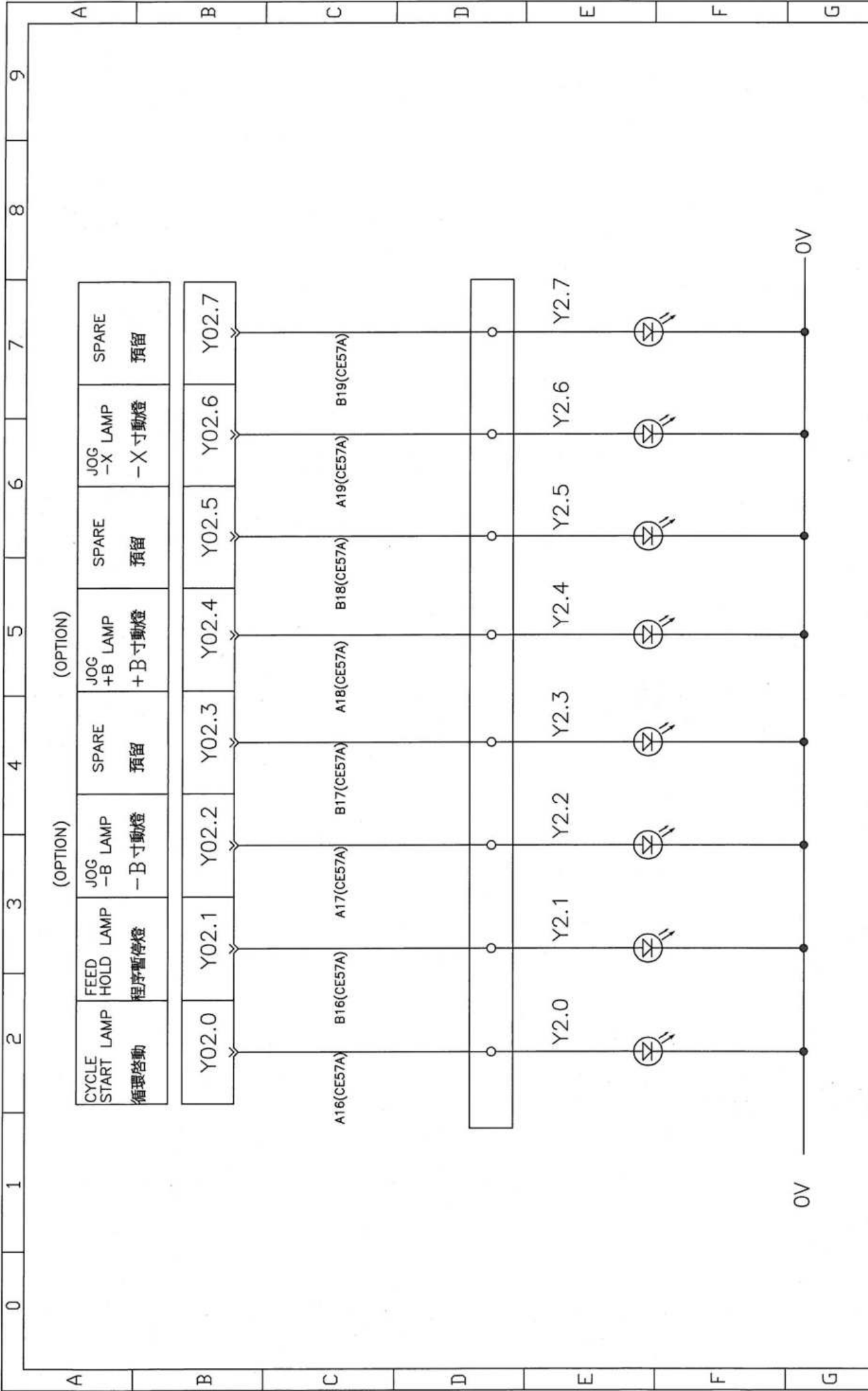
SHARP		Machine: <input type="checkbox"/> Grinding		Drawing No.: 35	
		NC Type	0i-TF		
MODEL		OD-CNC		Title: INPUT ADDRESS	
Approved	16	10	14	SHUN	
Checked	16	10	14	SHUN	
Designed	16	10	14	SHUN	
Drawn	16	10	14	SHUN	



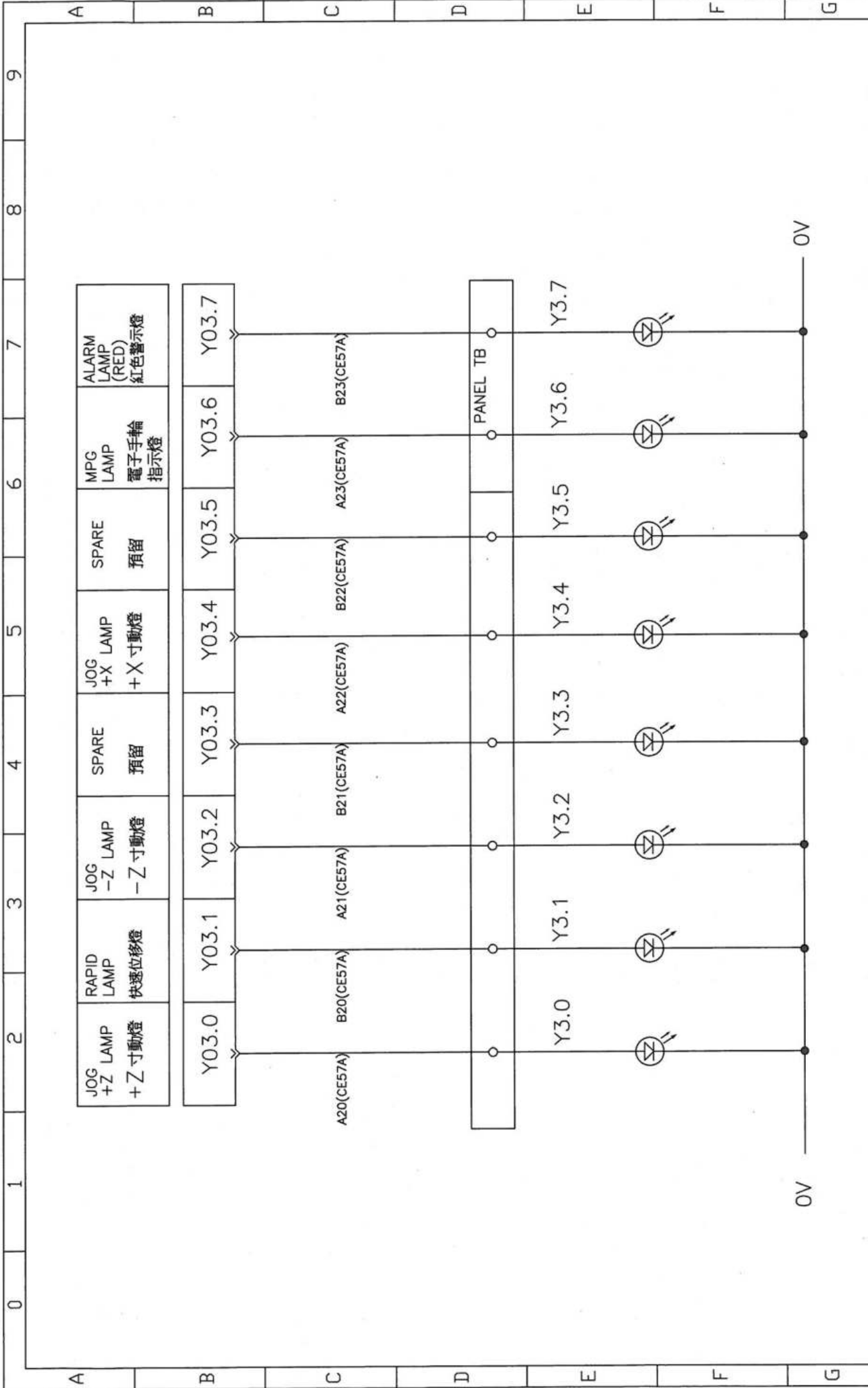
Approved		16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine: DD Grinding	Drawing No.: 36
Checked		16	10	14	SHUN					
Designed		16	10	14	SHUN		MODEL	OD-CNC	Title:	OPERATION PANEL (LAMP)
Drawn		16	10	14	SHUN					



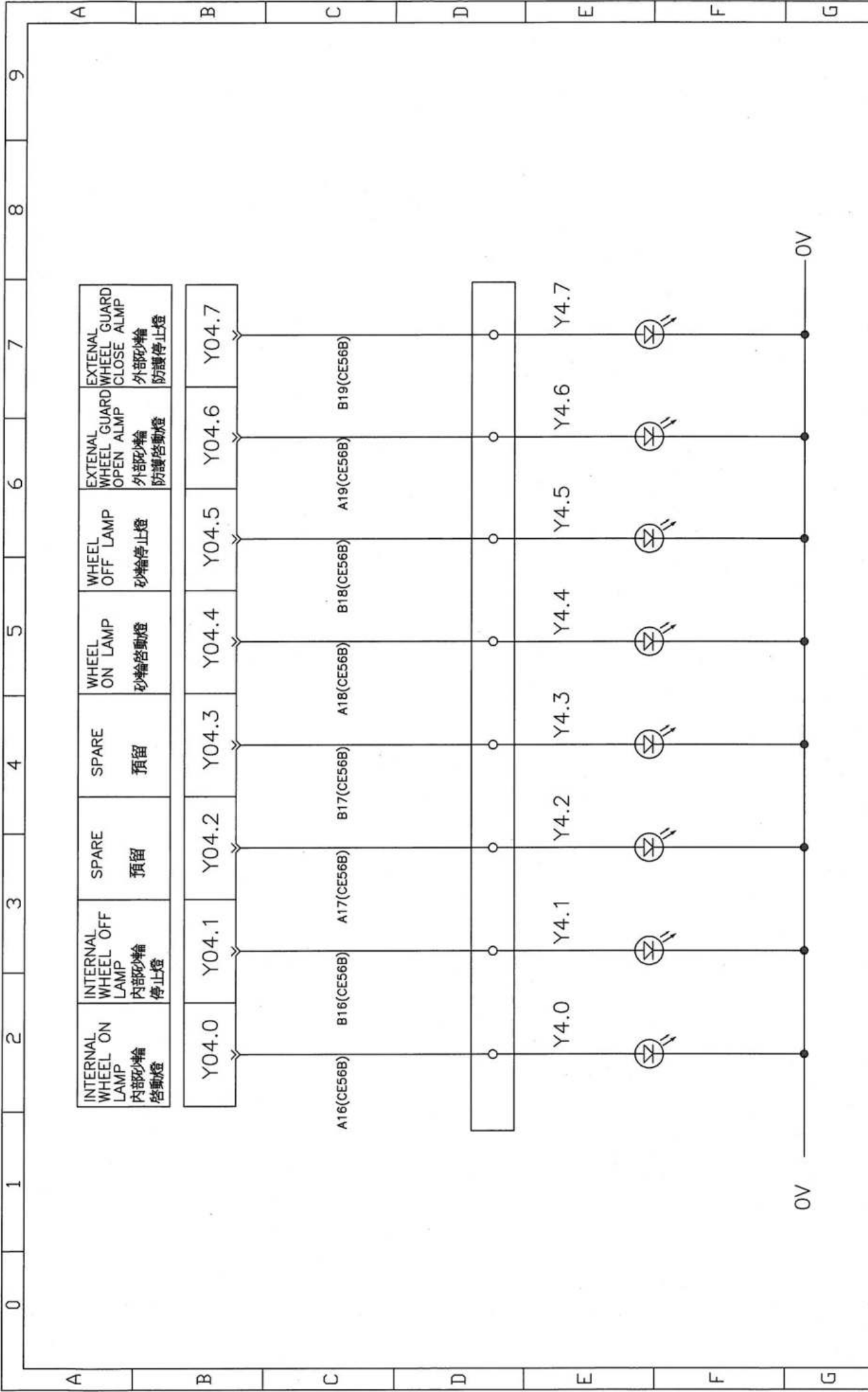
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	37
c	Checked	16	10	14	SHUN			MODEL	OD-CNC	Title:		OPERATION PANEL (LAMP)
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



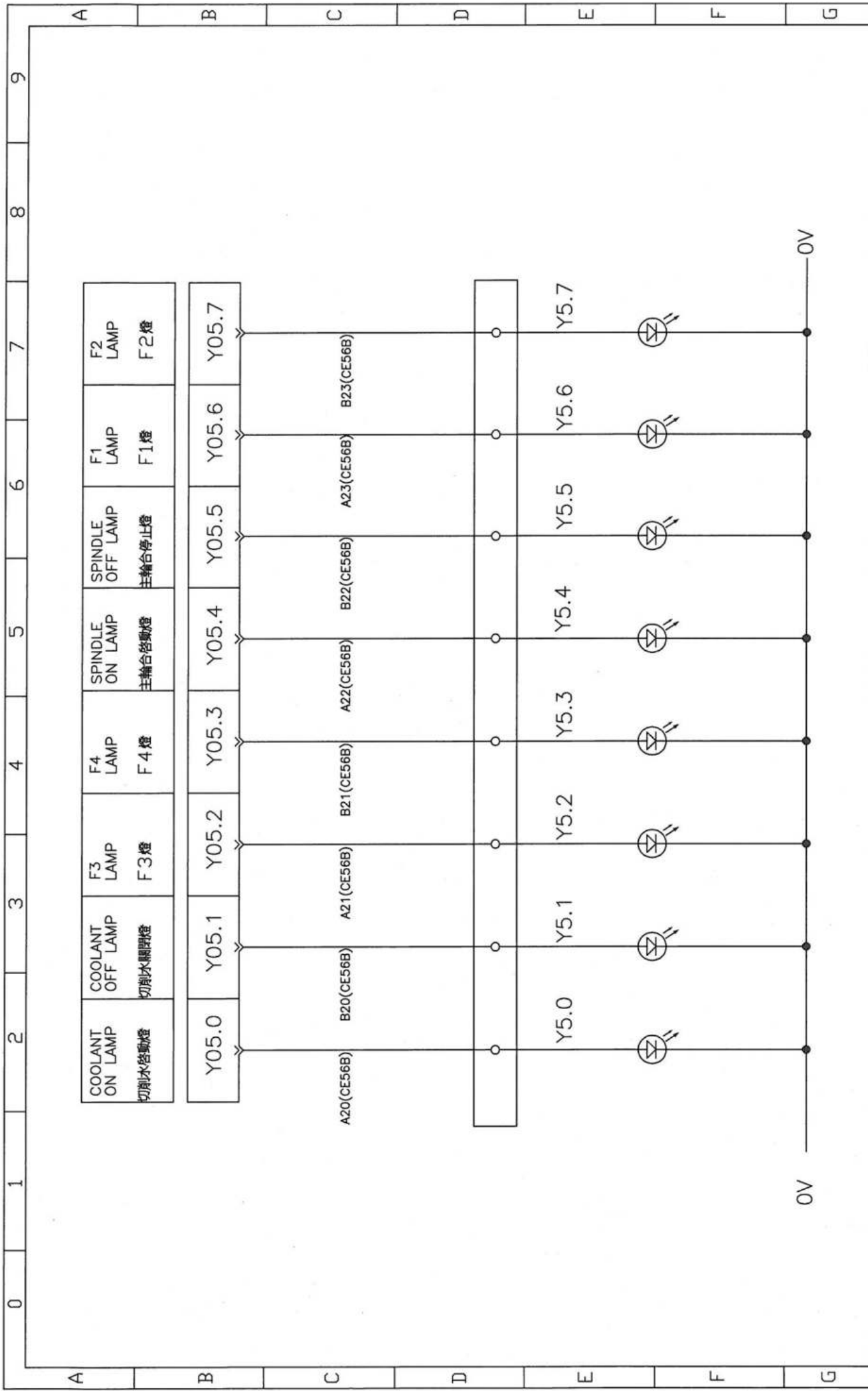
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	□□ Grinding	Drawing No.:	38
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	OPERATION PANEL (LAMP)		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



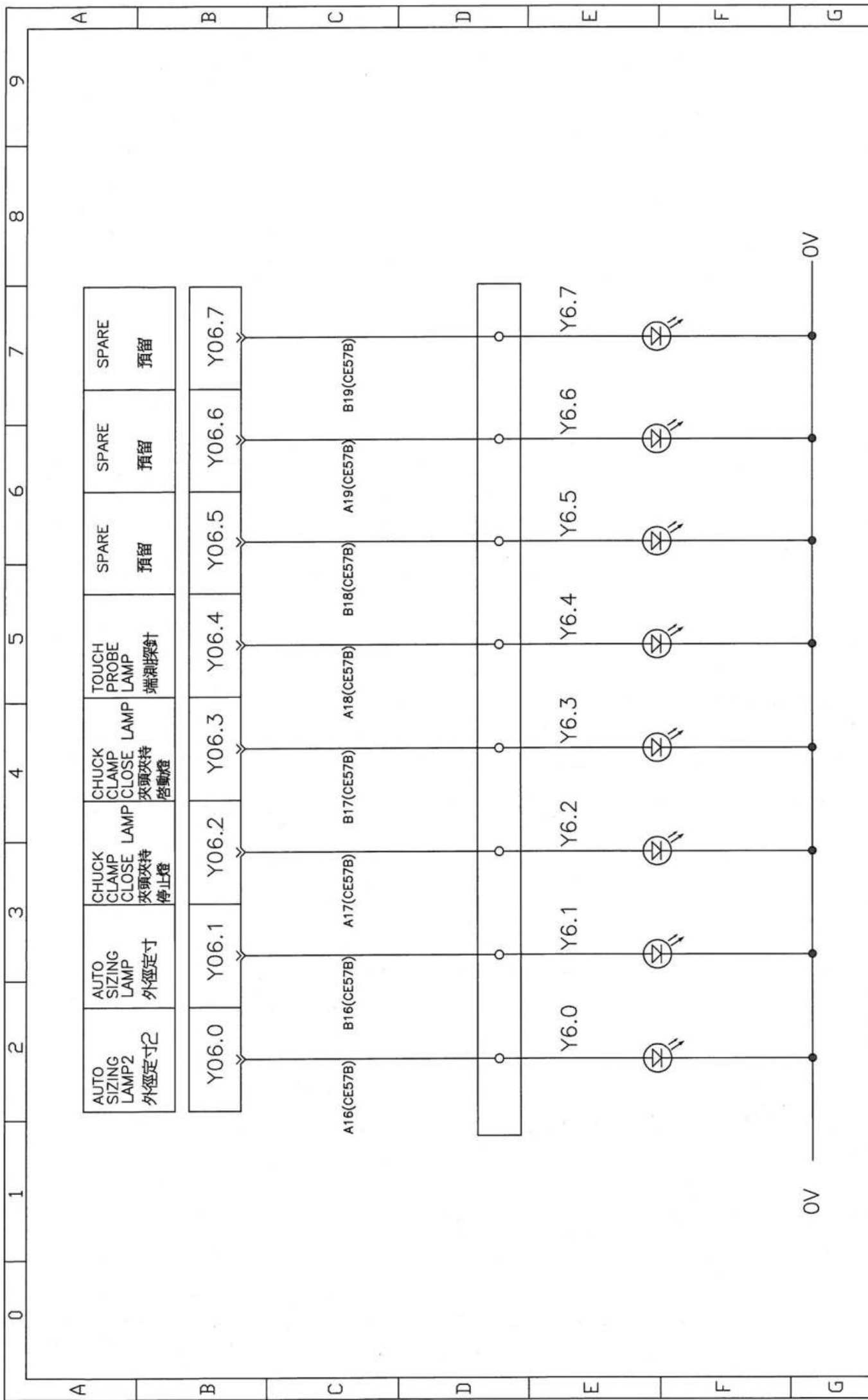
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	39
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	OPERATION PANEL (LAMP)		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	□□ Grinding	Drawing No.:	40
Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	OUTPUT ADDRESS		
Designed	16	10	14	SHUN							
Drawn	16	10	14	SHUN							

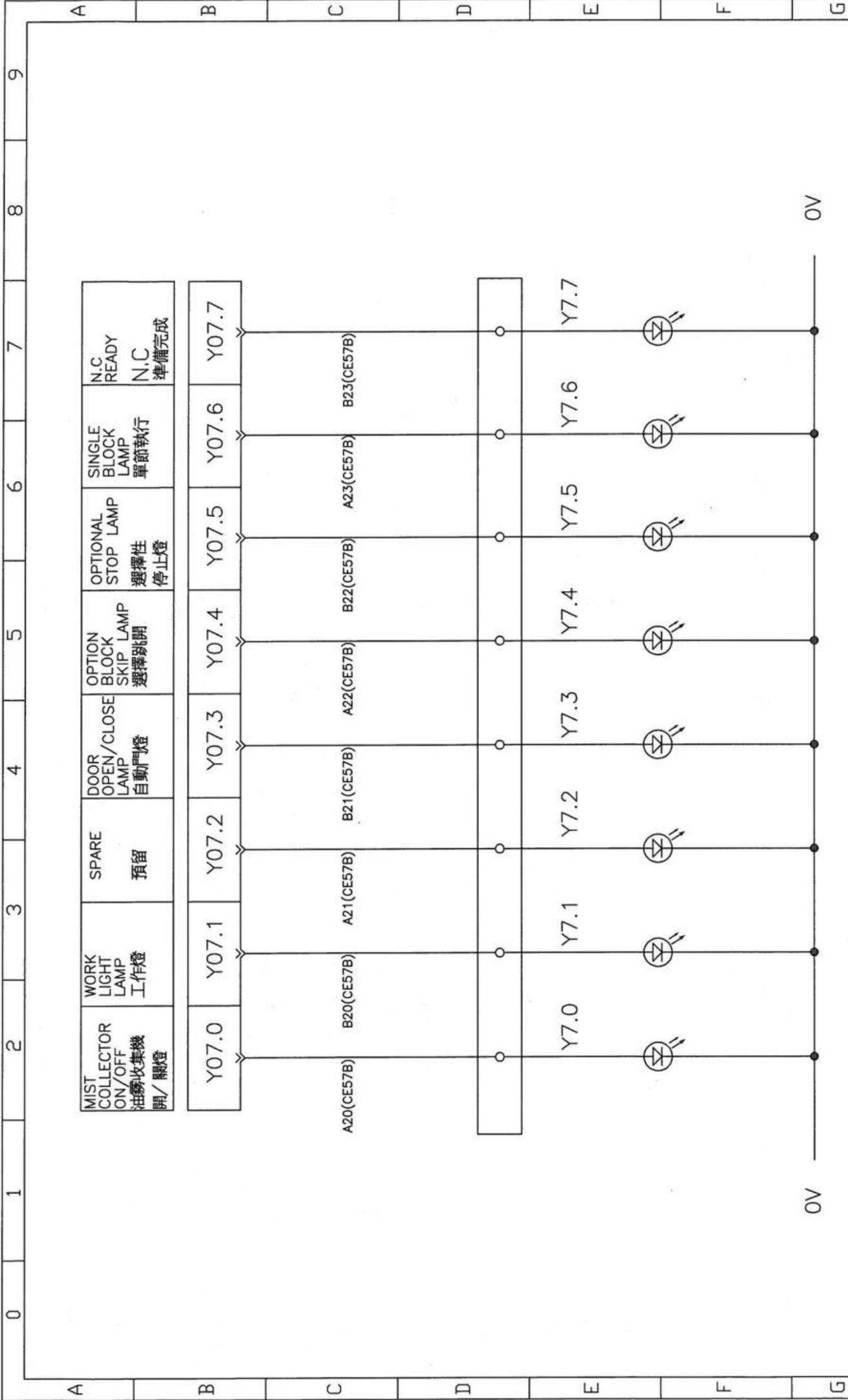


d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	41
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title: OPERATION PANEL (LAMP)			
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							

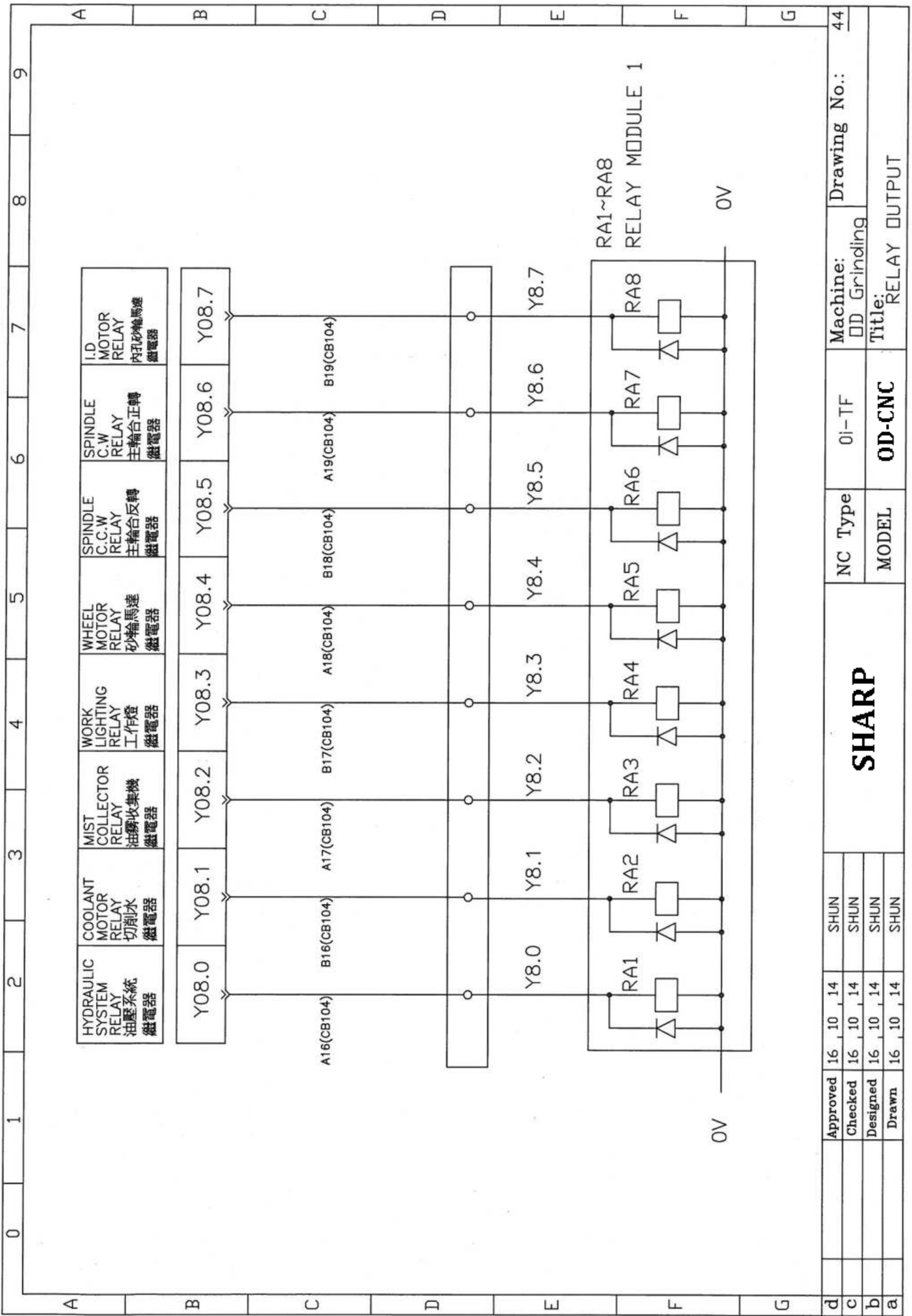


AUTO SIZING LAMP2 外徑定寸	AUTO SIZING LAMP 外徑定寸	CHUCK CLAMP CLOSE LAMP 夾頭夾持 停止燈	CHUCK CLAMP CLOSE LAMP 夾頭夾持 啟動燈	TOUCH PROBE LAMP 端測探針	SPARE 預留	SPARE 預留	SPARE 預留
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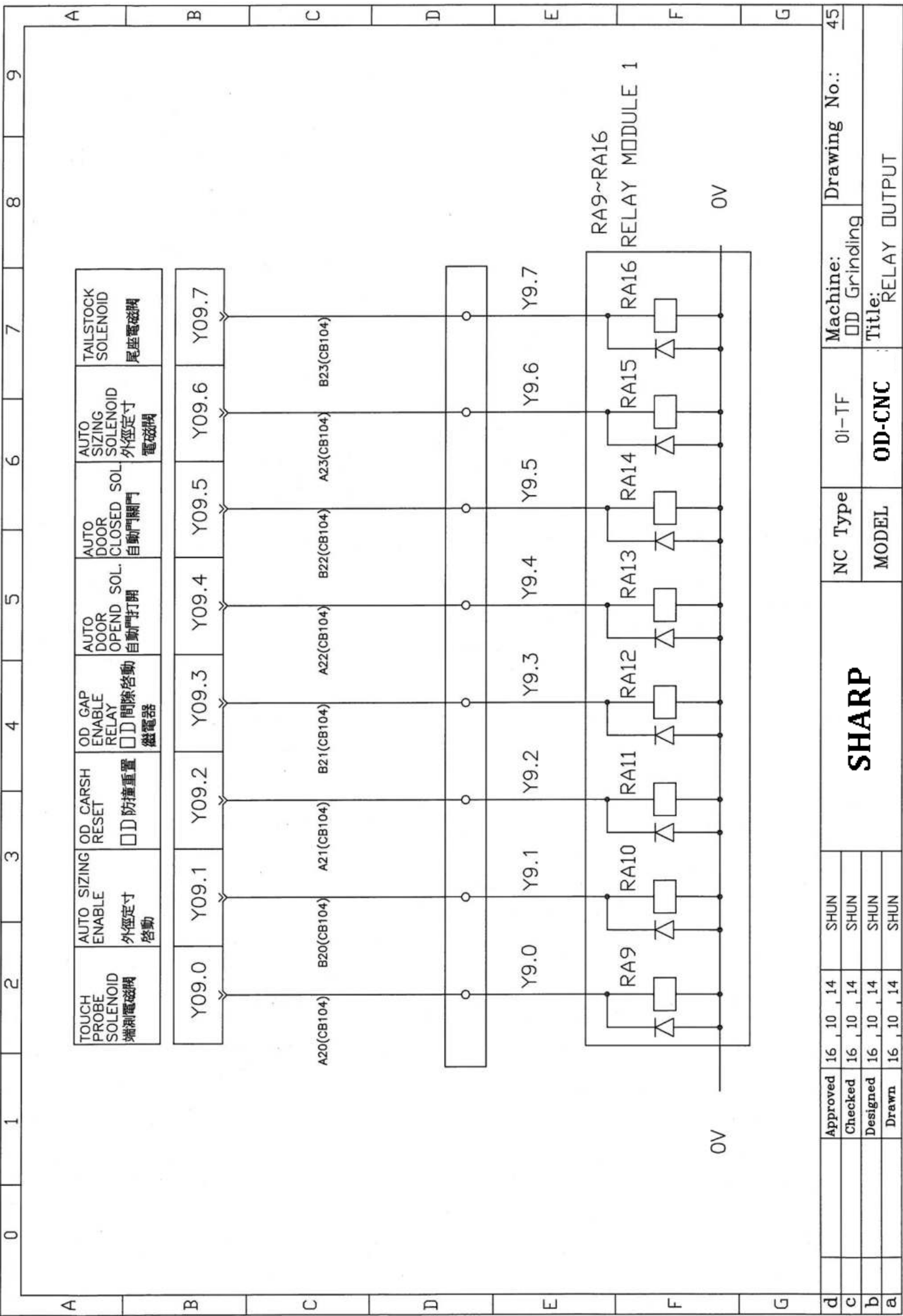
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	42	
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	OPERATION PANEL (LAMP)			
b	Designed	16	10	14	SHUN								
a	Drawn	16	10	14	SHUN								



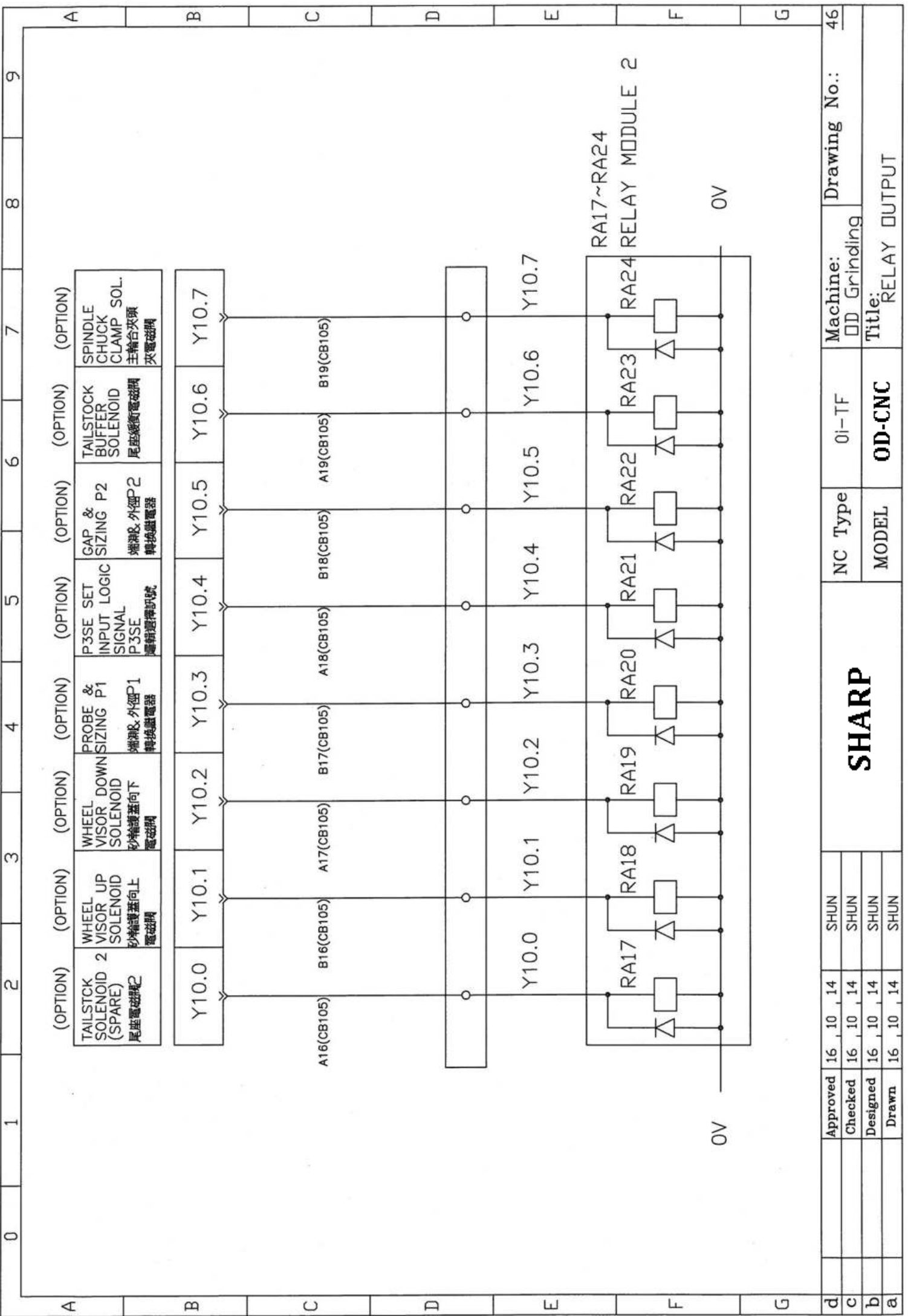
	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	Drawing No.:	
	Checked	16	10	14	SHUN		MODEL	OD-CNC	OD Grinding	43	
	Designed	16	10	14	SHUN		Title: OPERATION PANEL (LAMP)				
	Drawn	16	10	14	SHUN						



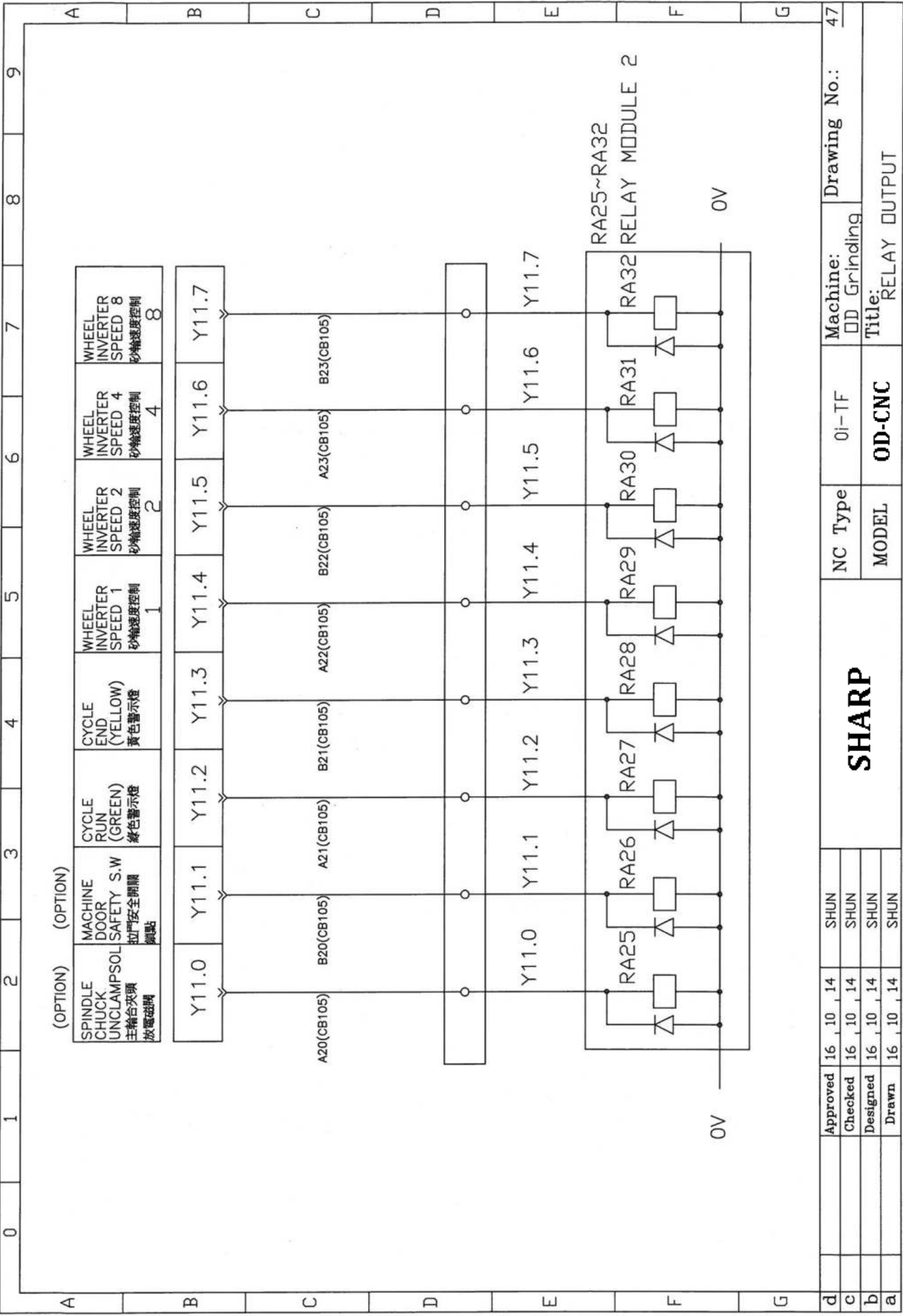
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	44
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:		RELAY OUTPUT	
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



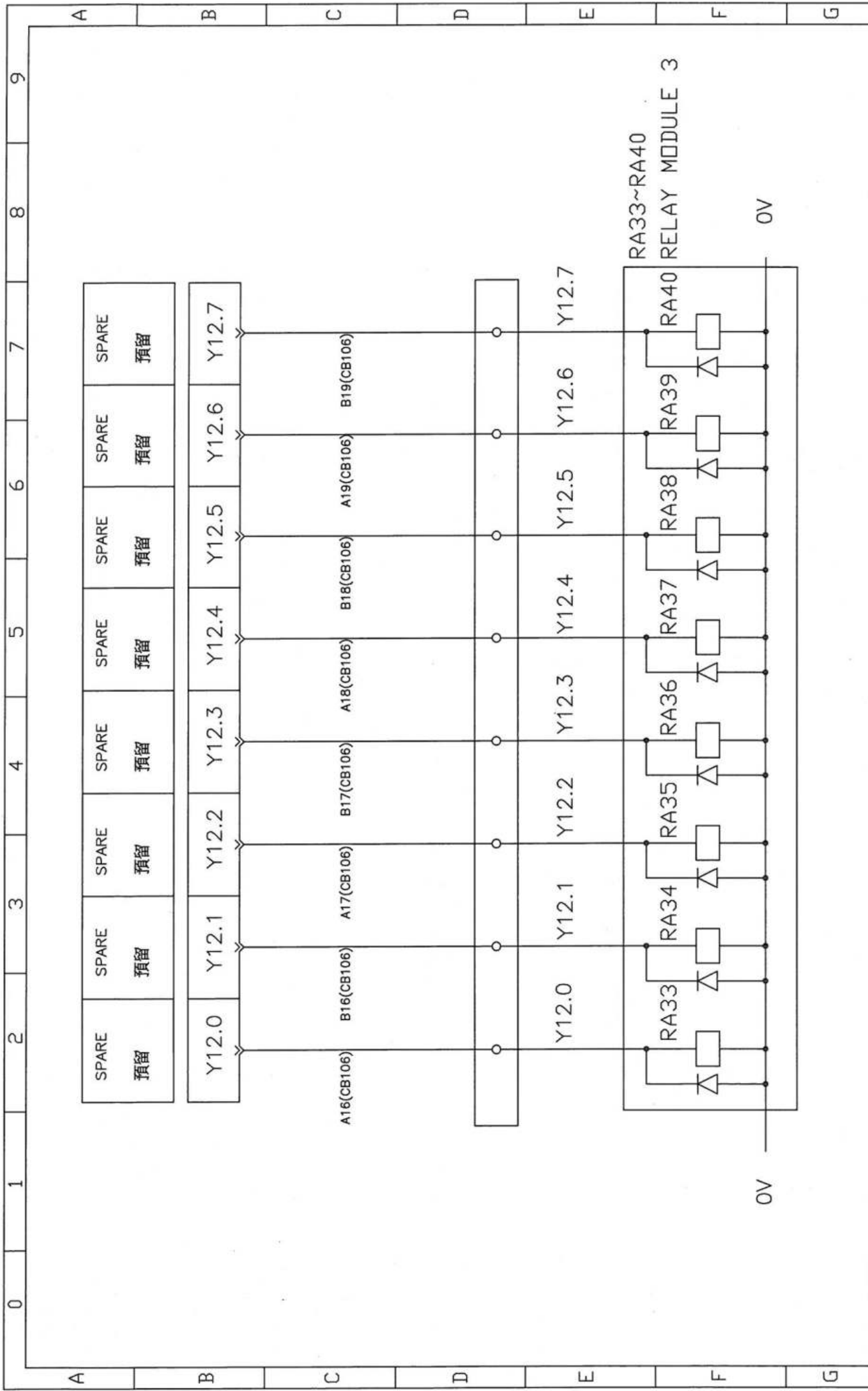
Approved	16	10	14	SHUN	SHARP	NC Type	0I-TF	Machine:	OD Grinding	Drawing No.:	45
Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	RELAY OUTPUT		
Designed	16	10	14	SHUN							
Drawn	16	10	14	SHUN							



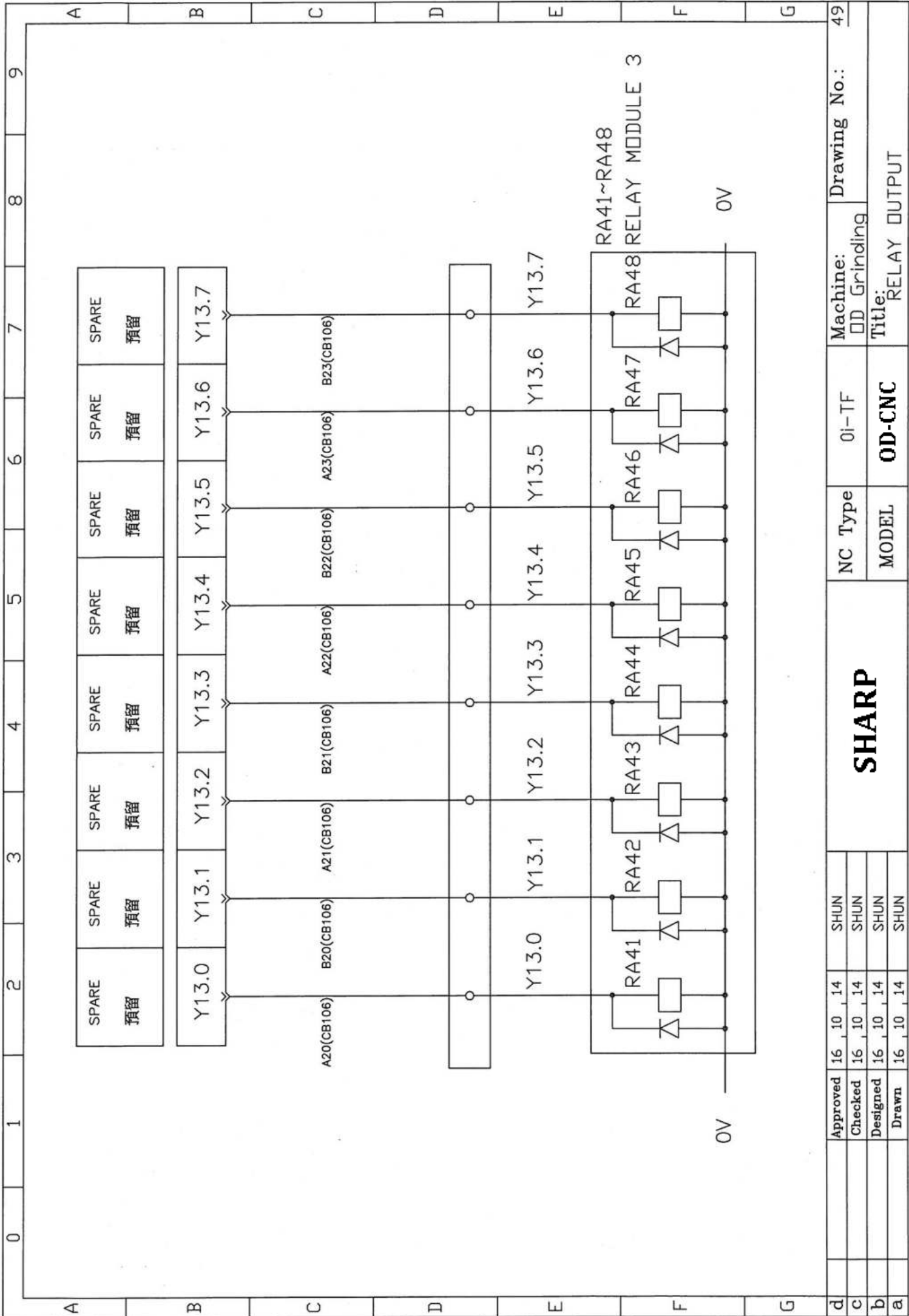
Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	OD Grinding	Drawing No.:	46
Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	RELAY OUTPUT		
Designed	16	10	14	SHUN							
Drawn	16	10	14	SHUN							



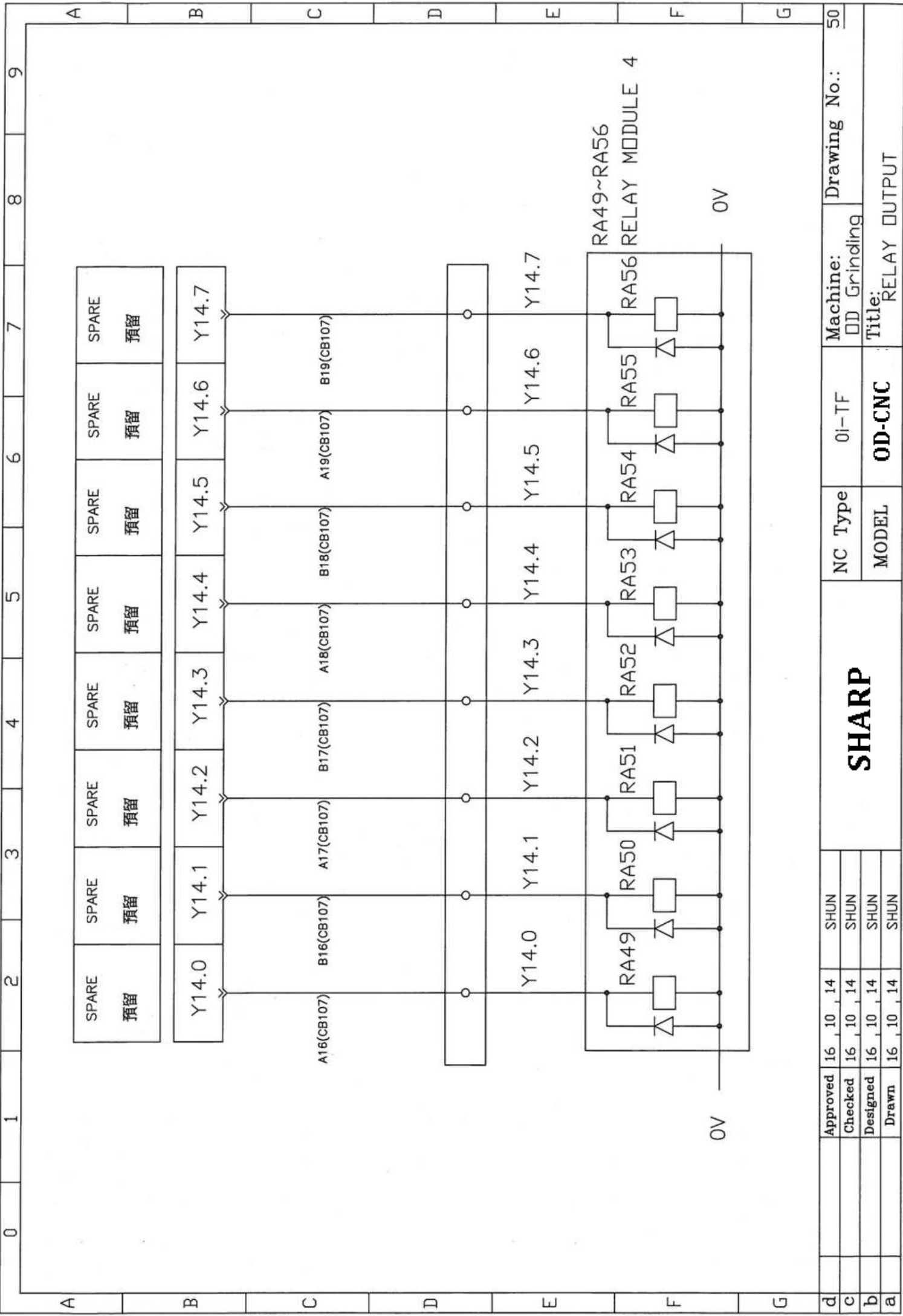
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	47
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	RELAY OUTPUT		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



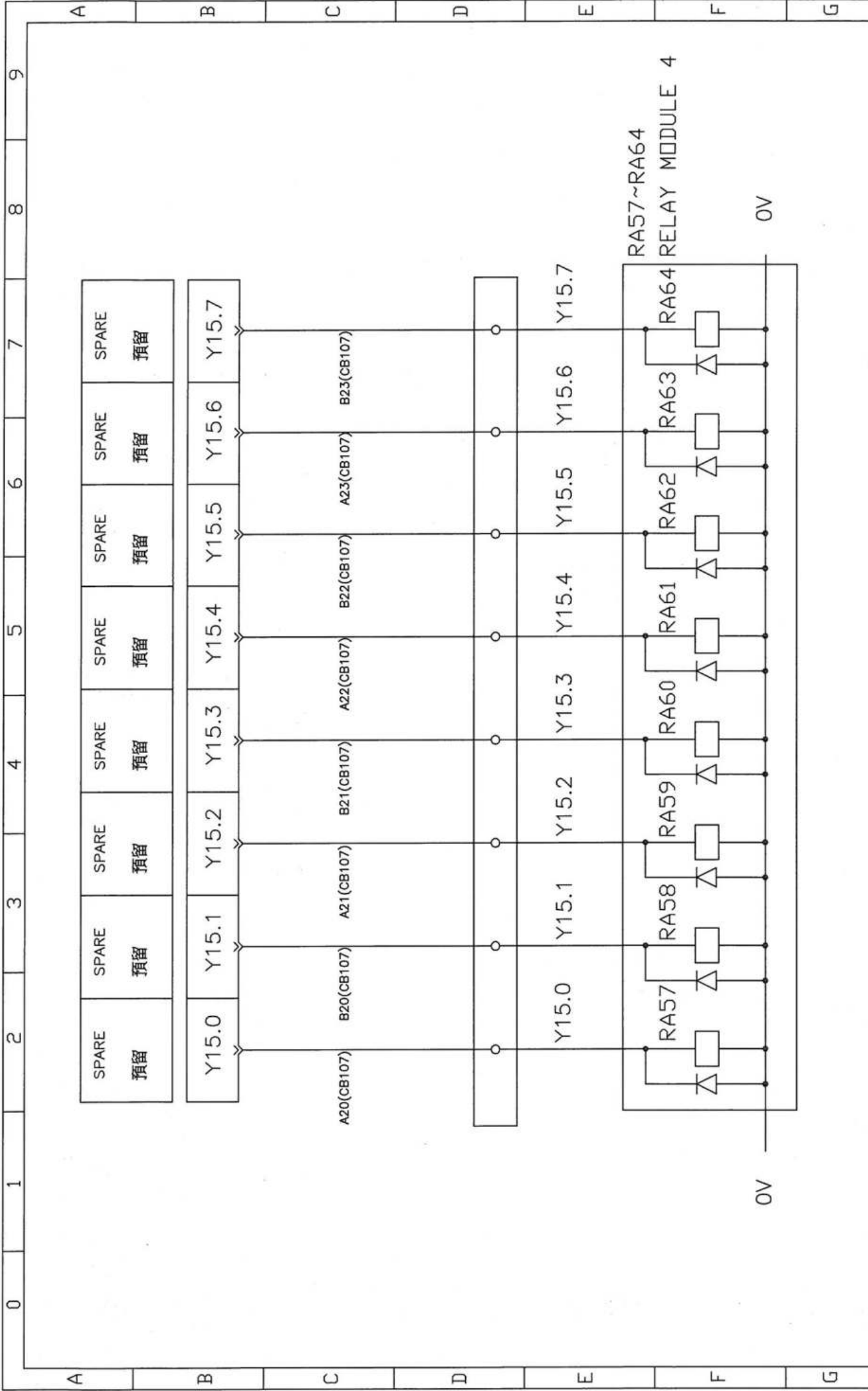
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	Drawing No.:
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	DD Grinding	48
b	Designed	16	10	14	SHUN		Title: RELAY OUTPUT			
a	Drawn	16	10	14	SHUN					



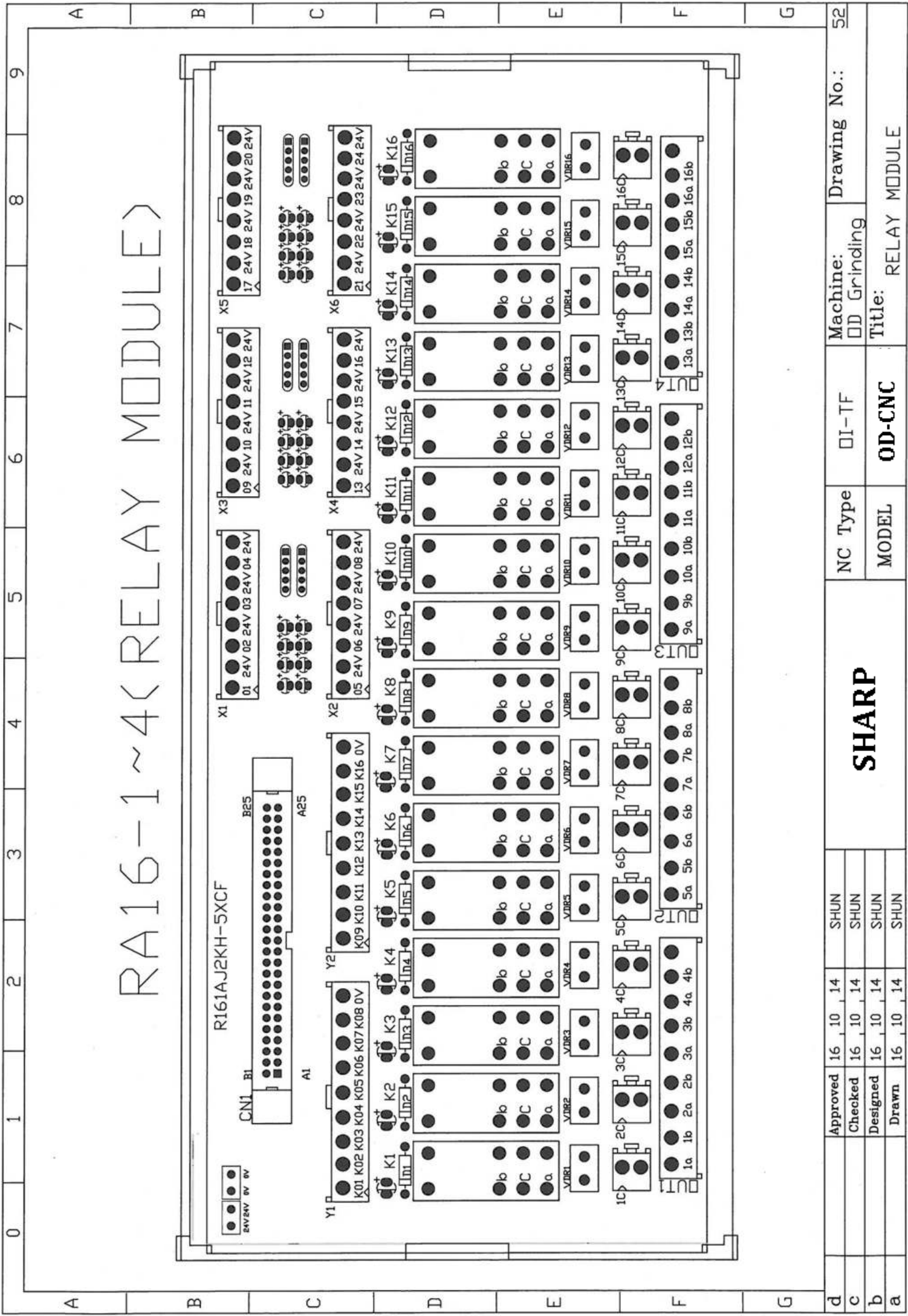
Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	49
Checked	16	10	14	SHUN		MODEL	OD-CNC	Title: RELAY OUTPUT			
Designed	16	10	14	SHUN							
Drawn	16	10	14	SHUN							



d	Approved	16	10	14	SHUN	SHARP	NC Type	0I-TF	Machine:	Drawing No.:
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	OD Grinding	50
b	Designed	16	10	14	SHUN		Title: RELAY OUTPUT			
a	Drawn	16	10	14	SHUN					

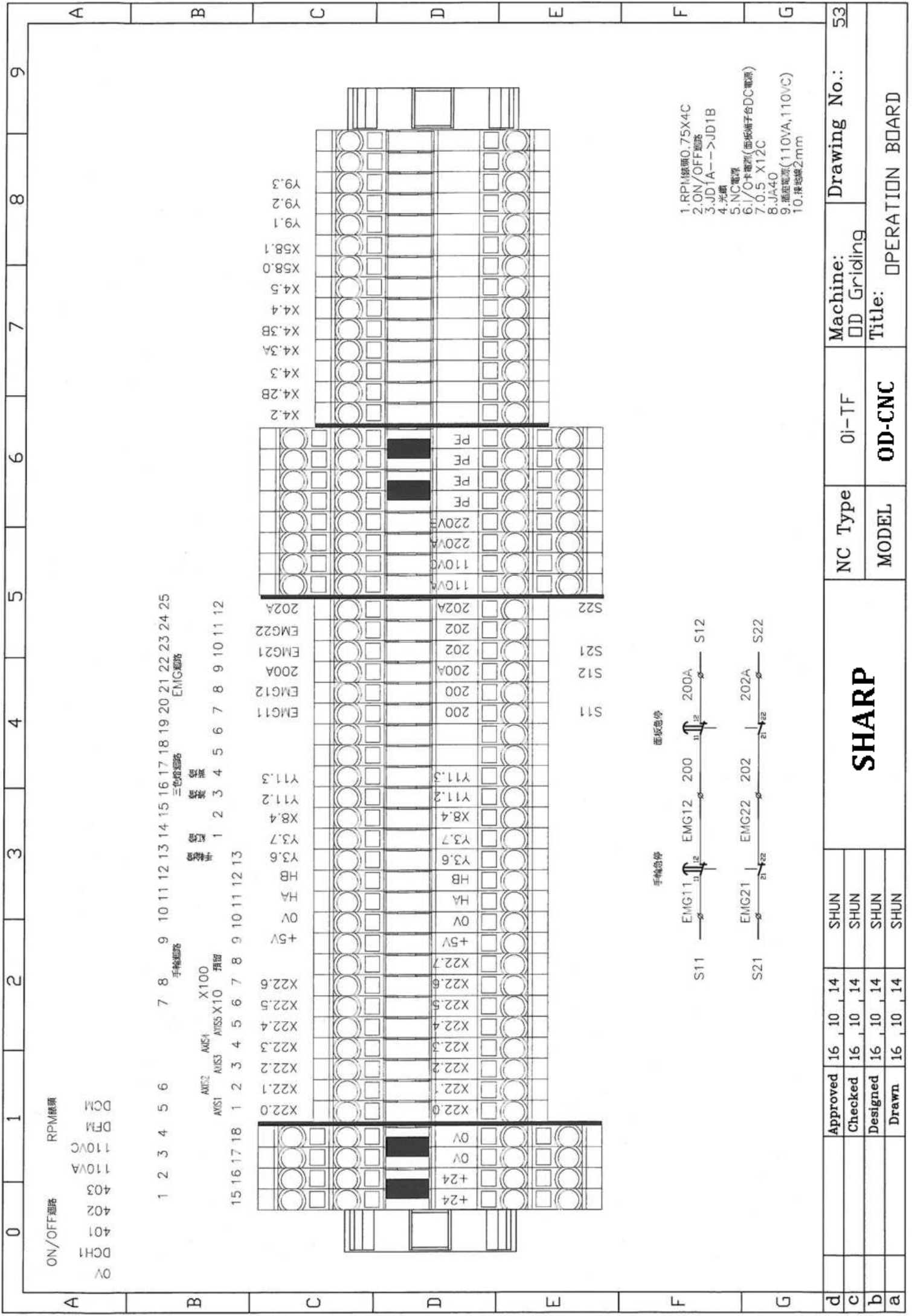


d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine: DD Grinding	Drawing No.:	51
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	RELAY OUTPUT	
b	Designed	16	10	14	SHUN						
a	Drawn	16	10	14	SHUN						

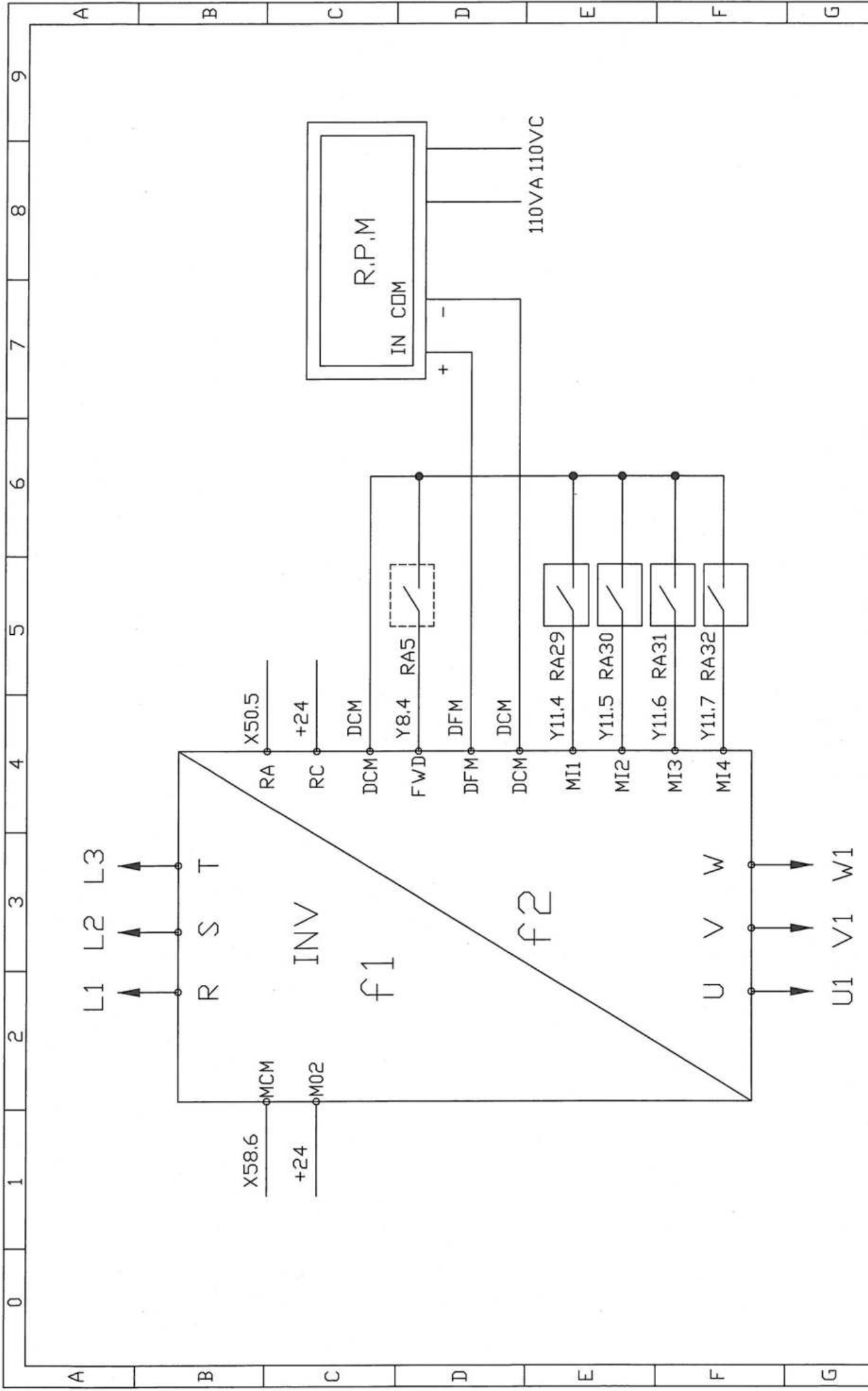


RA16-1~4<RELAY MODULE>

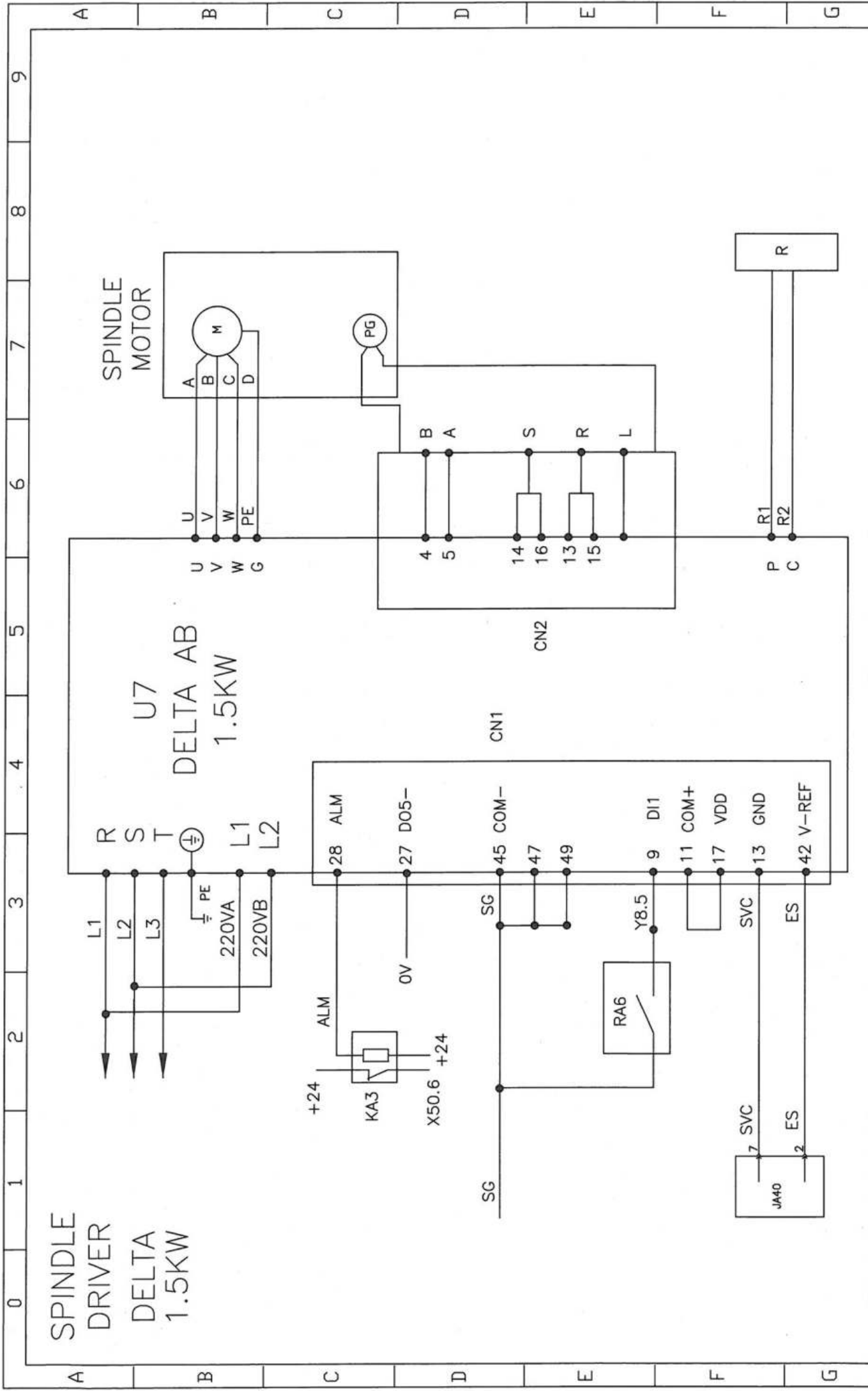
d	Approved	16	10	14	SHUN	SHARP	NC Type	DI-TF	Machine:	OD Grinding	Drawing No.:	52
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	RELAY MODULE		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



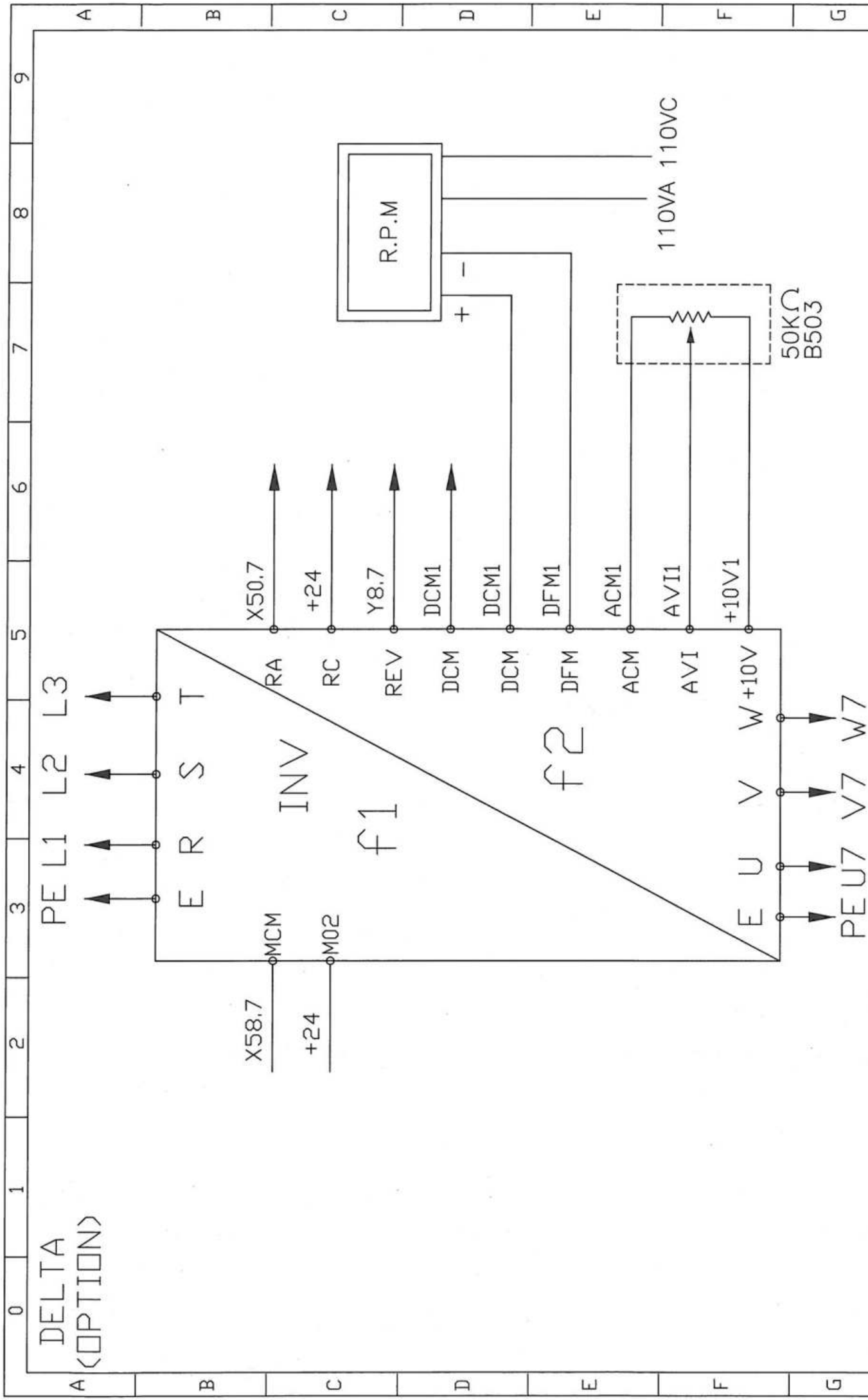
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-NC	Machine:	0i-TF	Drawing No.:	53
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Machine:	0i Gridding	Title:	OPERATION BOARD
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



d	Approved	16	10	14	SHUN	SHARP	NC Type 0I-TF	Machine: OD Gridding	Drawing No.: 54	
c	Checked	16	10	14	SHUN					
b	Designed	16	10	14	SHUN					
a	Drawn	16	10	14	SHUN					
							MODEL OD-CNC	Title: WHEEL INVERTER		



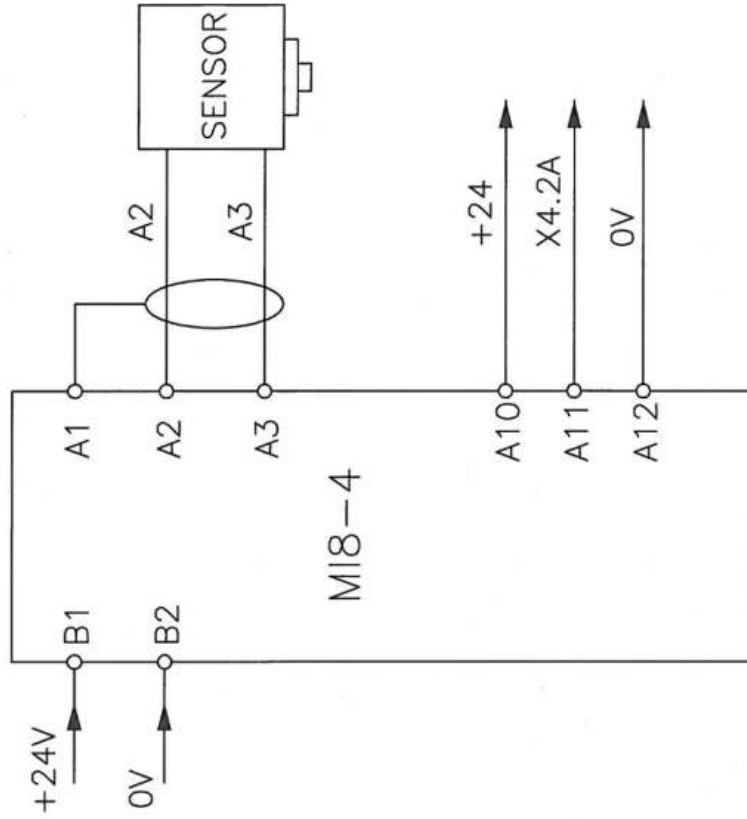
d	Approved	16	10	14	SHUN	SHARP	NC Type	01-TF	Machine:	DD Grinding	Drawing No.:	55
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	SPINDLE DRIVER(DELTA)		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



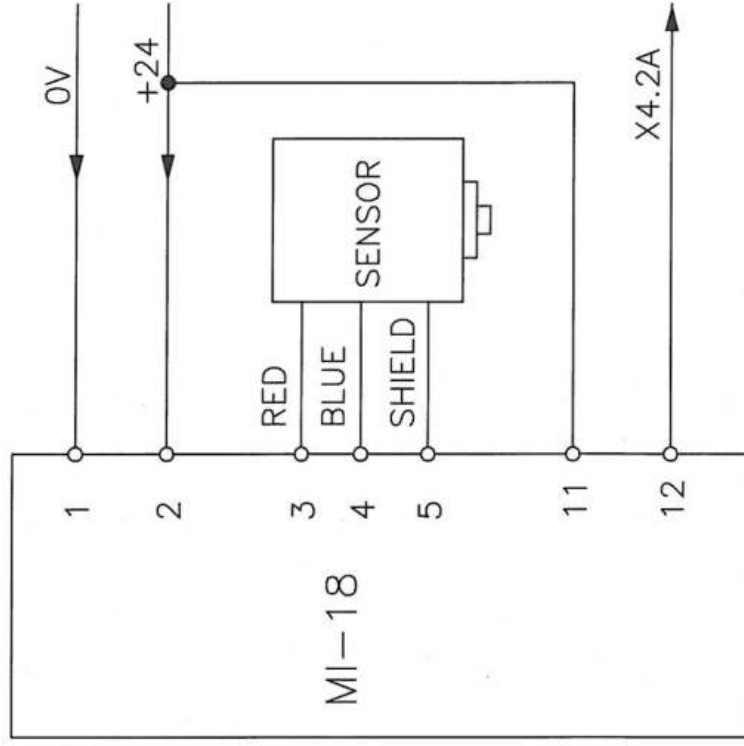
DELTA
(OPTION)

d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	56
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	ID INVERTER		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							

RENISHAW(OPTION)
端面(TOUCH PROBE)



MARPOSS(OPTION)
端面(TOUCH PROBE)



SHARP

Approved	16	10	14	SHUN
Checked	16	10	14	SHUN
Designed	16	10	14	SHUN
Drawn	16	10	14	SHUN

NC Type

01-TF

Machine:
□□ Gridding

Drawing No.: 57

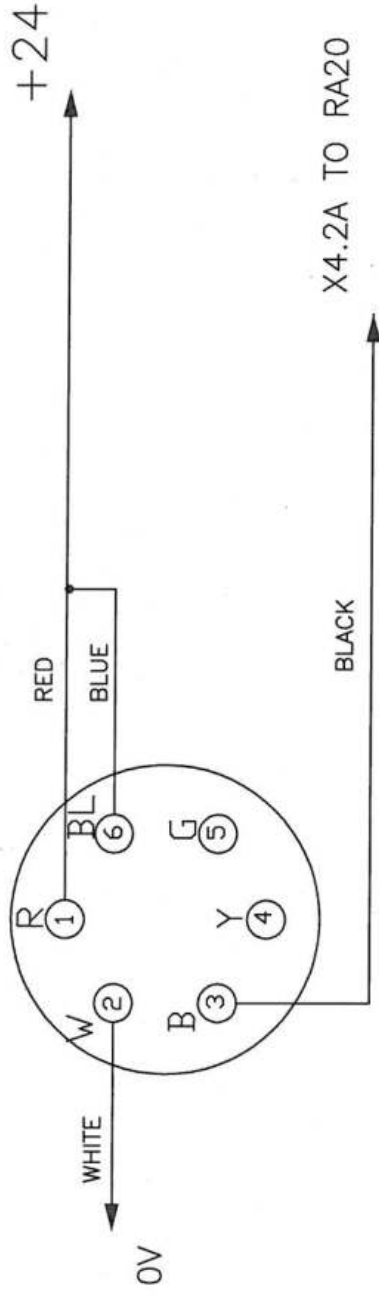
MODEL

OD-CNC

Title: TOUCH PROBE

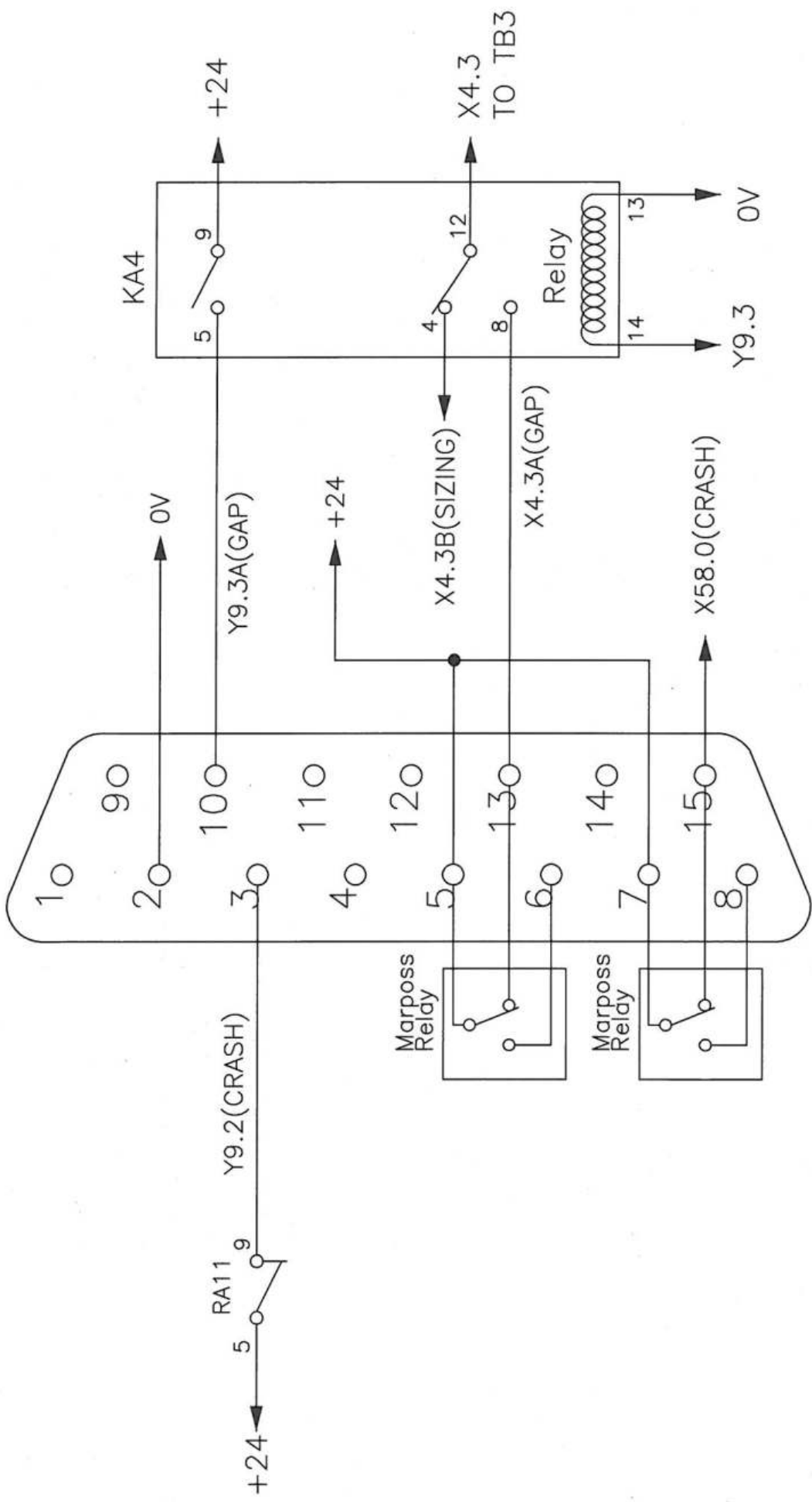
TL-02(OPTION)
端面(TOUCH PROBE)

6C 隔離線



Approved	16	10	14	SHUN	SHARP	NC Type	01-TF	Machine:	DD Griding	Drawing No.:	58
Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:		TOUCH PROBE	
Designed	16	10	14	SHUN							
Drawn	16	10	14	SHUN							

MARPOSS E20N(OPTION)
間隙(GAP) & 防撞(CRASH)



d	Approved	16	10	14	SHUN
c	Checked	16	10	14	SHUN
b	Designed	16	10	14	SHUN
a	Drawn	16	10	14	SHUN

SHARP

NC Type	0i-TF
MODEL	OD-CNC

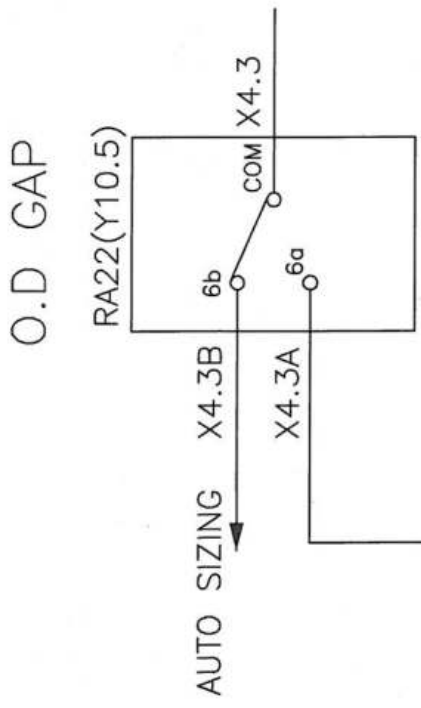
Machine:	DD Grinding
Title:	GAP&CRASH

Drawing No.:	59
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MARPOSS(P3SE) GAP&CRASH 防碰撞/間隙

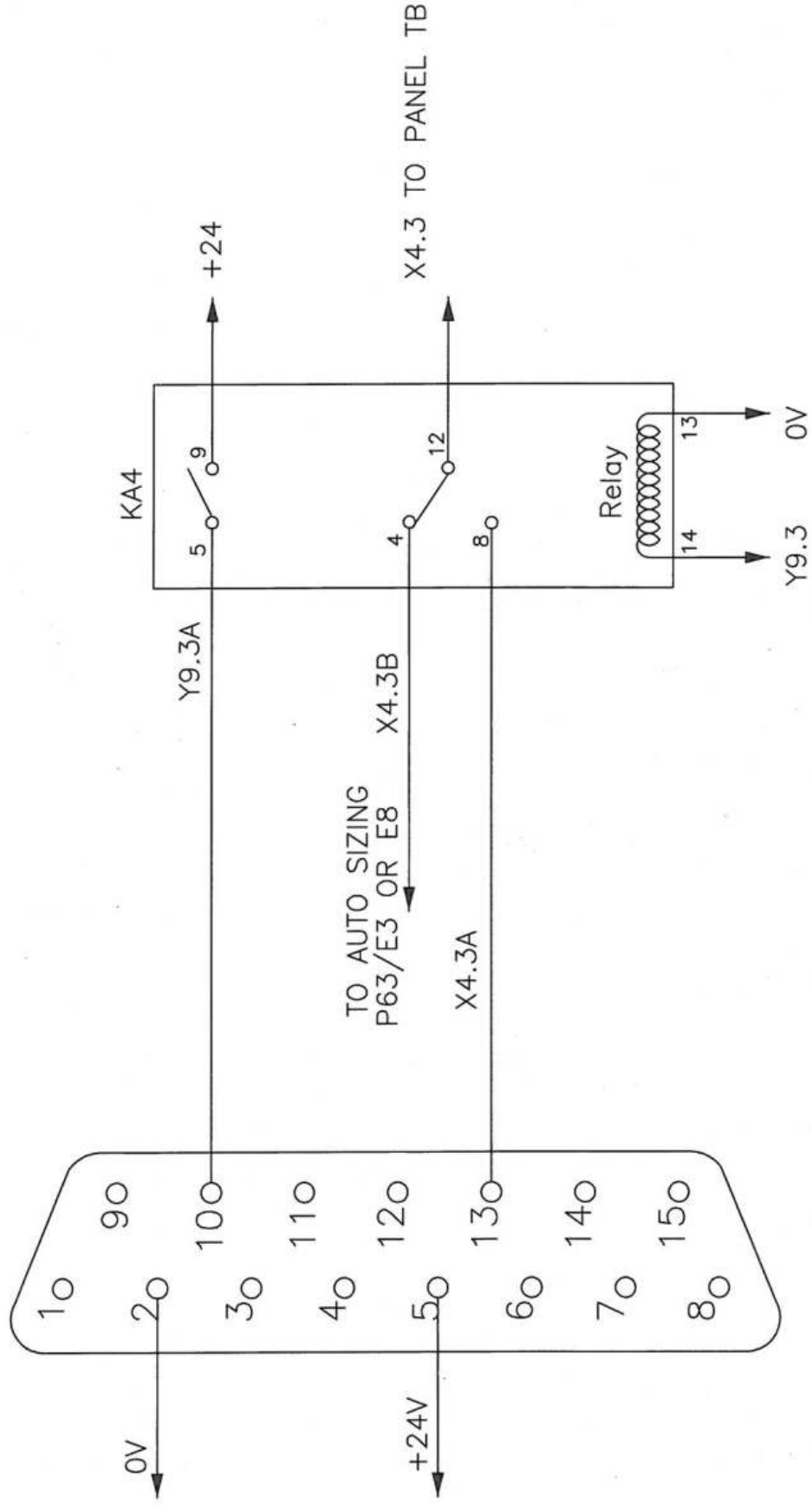
9C 隔離線

NO	DESCRIPTION	COLOR	I/O
1	NOT CONNECTED		
9	NOT CONNECTED		
2	CONNECT TO +24V FOR SOURCE TYPE	BLUE	0V
10	GAP#1 INPUT LOGIC SIGNAL	WHITE	Y9.3
3	CRASH#1 INPUT LOGIC SIGNAL	YELLOW	Y9.2
11	GAP#2 INPUT LOGIC SIGNAL(SPARE)		
4	CRASH#2 INPUT LOGIC SIGNAL(SPARE)		
12	SET INPUT LOGIC SIGNAL	PURPLE	Y10.4
5	CONNECT TO 0V FOR SINK TYPE	RED	+24
13	GAP#1 OUTPUT LOGIC SIGNAL	BLACK	X4.3A
6	CRASH#1 OUTPUT LOGIC SIGNAL	ORANGE	X58.0
14	GAP#2 OUTPUT LOGIC SIGNAL(SPARE)		
7	CRASH#2 OUTPUT LOGIC SIGNAL(SPARE)		
15	ALARM/BUSY OUTPUT LOGIC SIGNAL	GREY	X59.6
8	NOT CONNECTED		



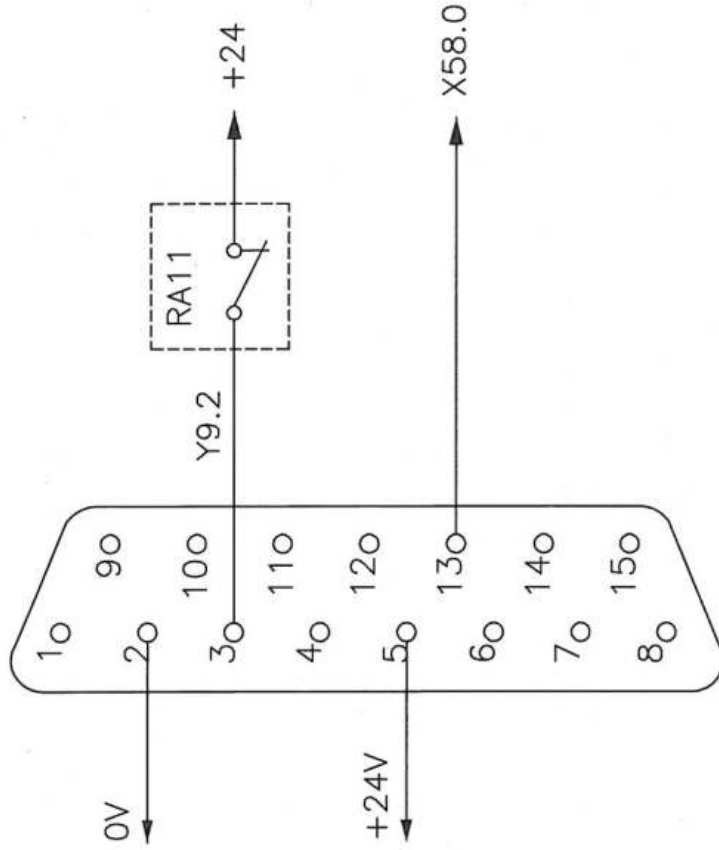
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	□□ Gridding	Drawing No.:	60
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title: □□ CRASH & GAP			
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							

MAPROSS E20N(OPTION)
間隙(GAP)

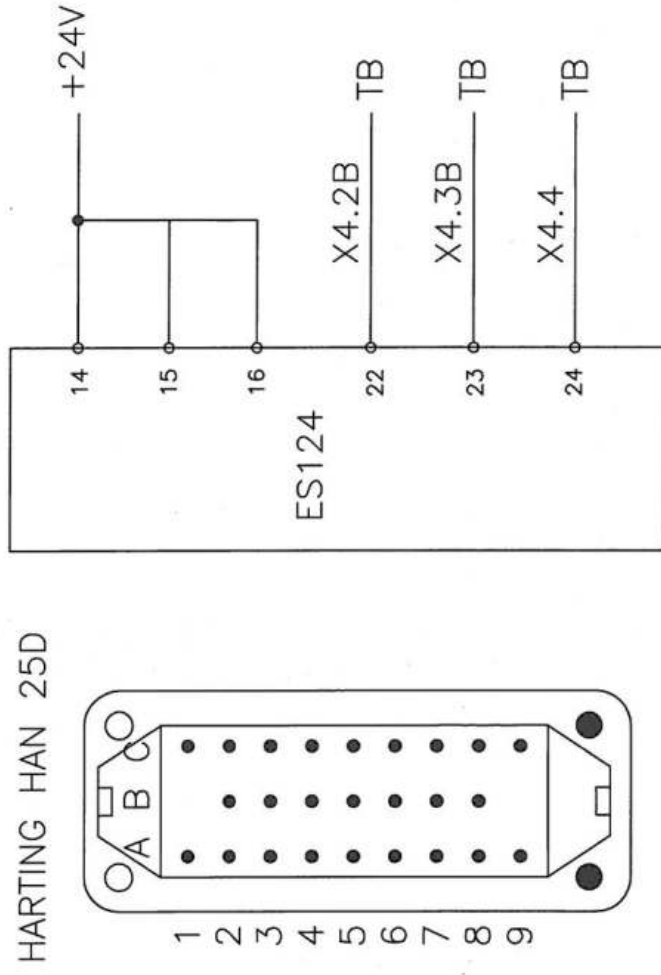


d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Gridding	Drawing No.:	61
c	Checked	16	10	14	SHUN			MODEL				OD-CNC
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							

MAPROSS E2ON(OPTION)
CRASH(防撞)



MOVOMATIC(OPTION)
ES124(外徑)



SHARP

Approved	16	10	14	SHUN
Checked	16	10	14	SHUN
Designed	16	10	14	SHUN
Drawn	16	10	14	SHUN

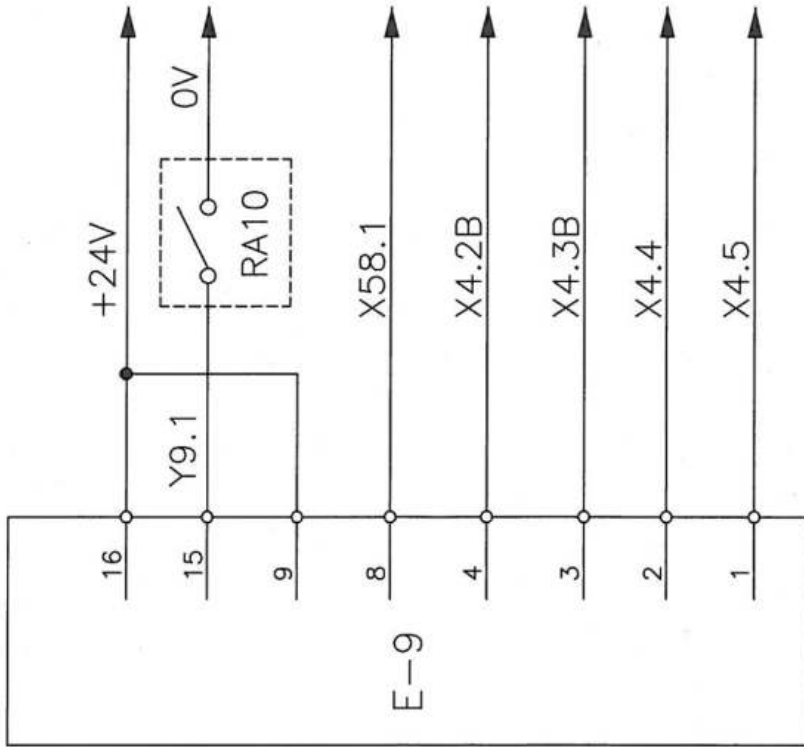
NC Type	0I-TF
MODEL	OD-CNC

Machine:	DD Gridding
Title: CRASH & AUTO SIZING	

Drawing No.:	62
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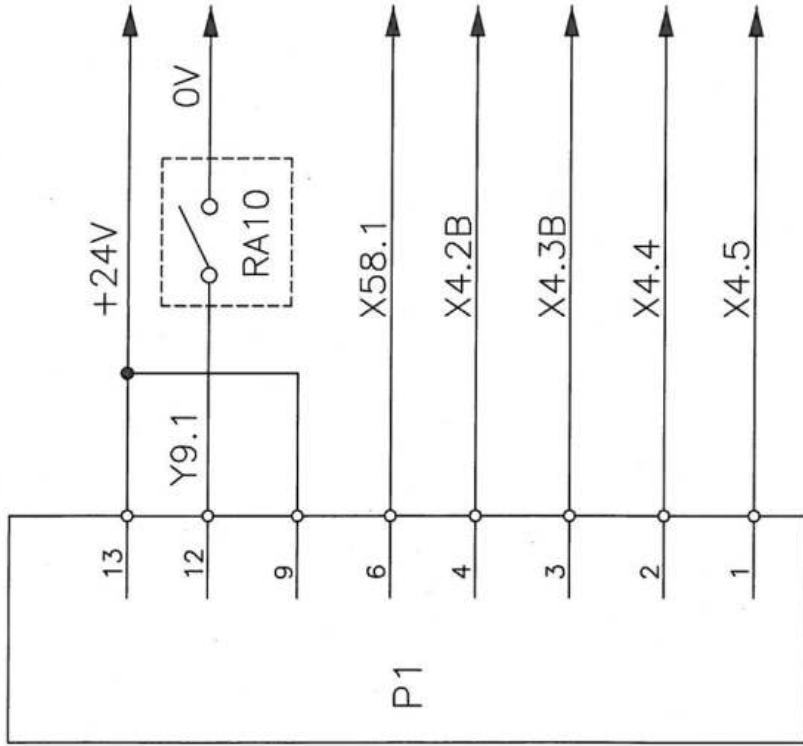
MAPROSS E9(OPTION)
SIZING(外徑定寸)

外徑
MARPOSS



MAPROSS P1(OPTION)
SIZING(外徑定寸)

外徑
MARPOSS



SHARP

Approved	16	10	14	SHUN
Checked	16	10	14	SHUN
Designed	16	10	14	SHUN
Drawn	16	10	14	SHUN

NC Type 01-TF

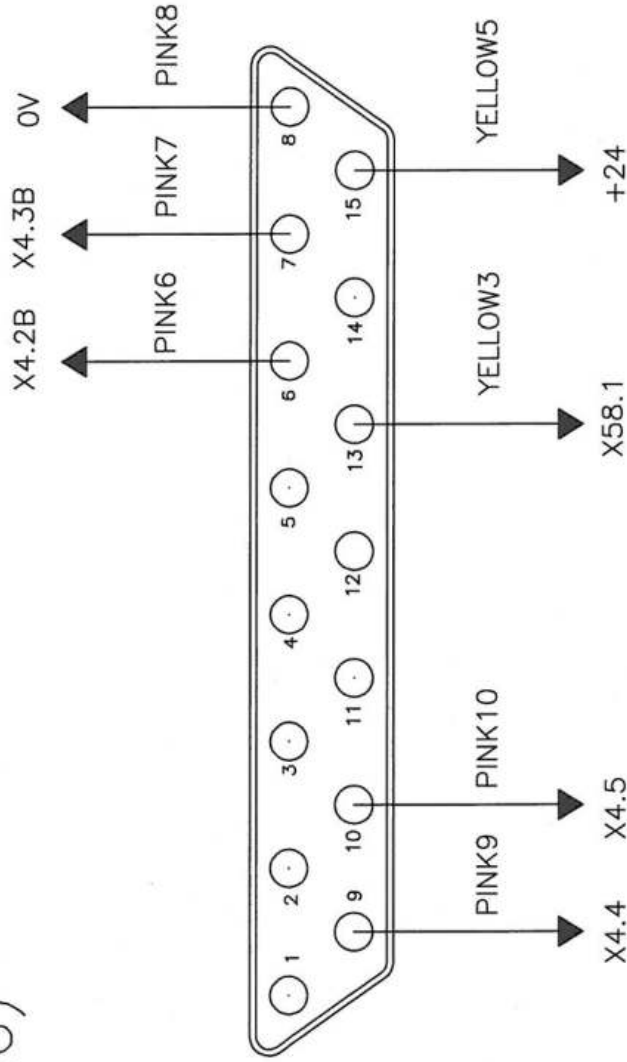
MODEL **OD-CNC**

Machine:
 DD Gridding

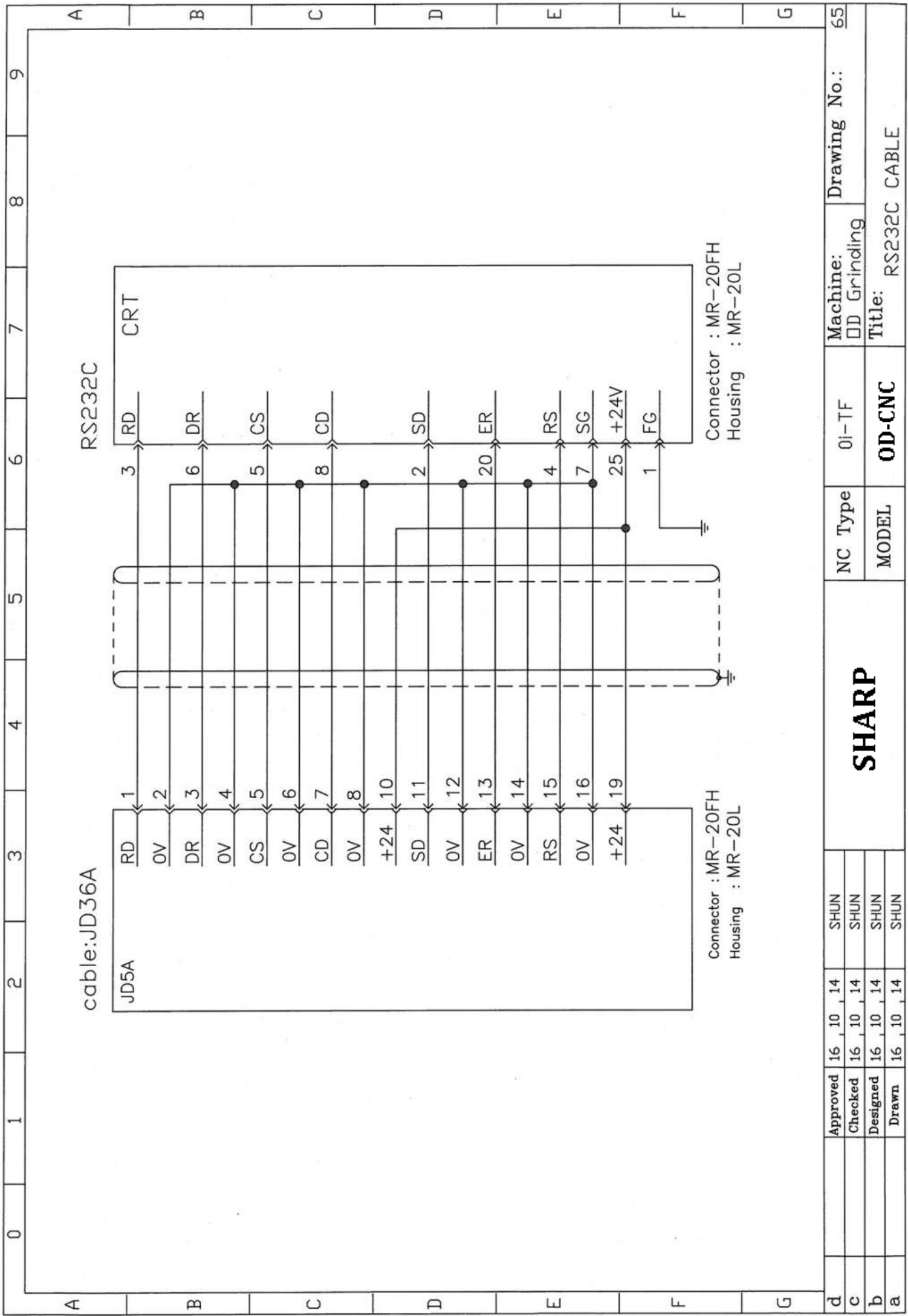
Title:
AUTO SIZING

Drawing No.: 63

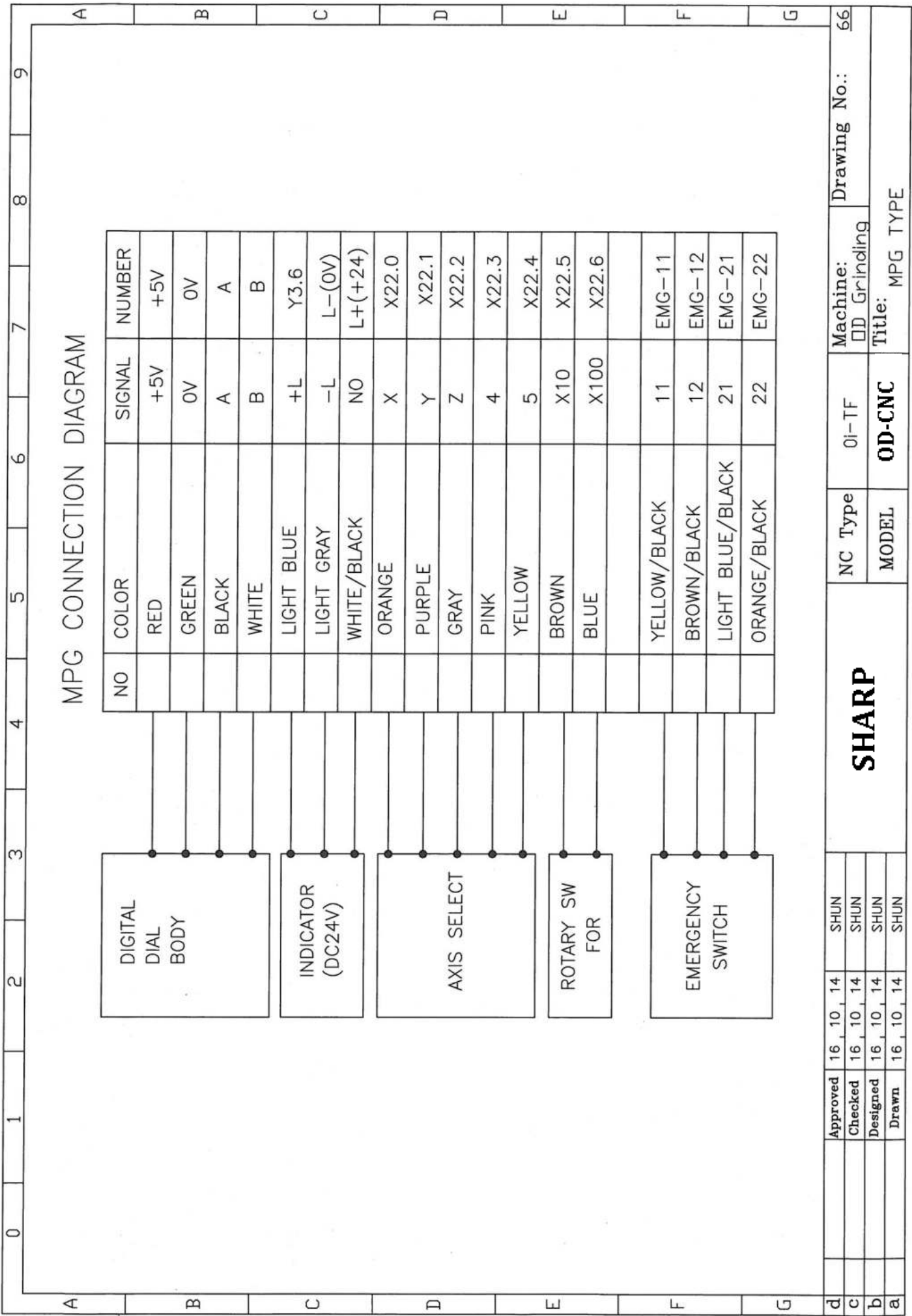
PULCOM-V2 (AUTO SIZING)



0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G			
d	SHARP										NC Type	01-TF	Machine:	Drawing No.:					
c	16	10	14	SHUN											MODEL	OD-CNC	DD Grinding	64	
b	Checked	16	10	14	SHUN											Title:	AUTO SIZING		
a	Designed	16	10	14	SHUN														
	Drawn	16	10	14	SHUN														



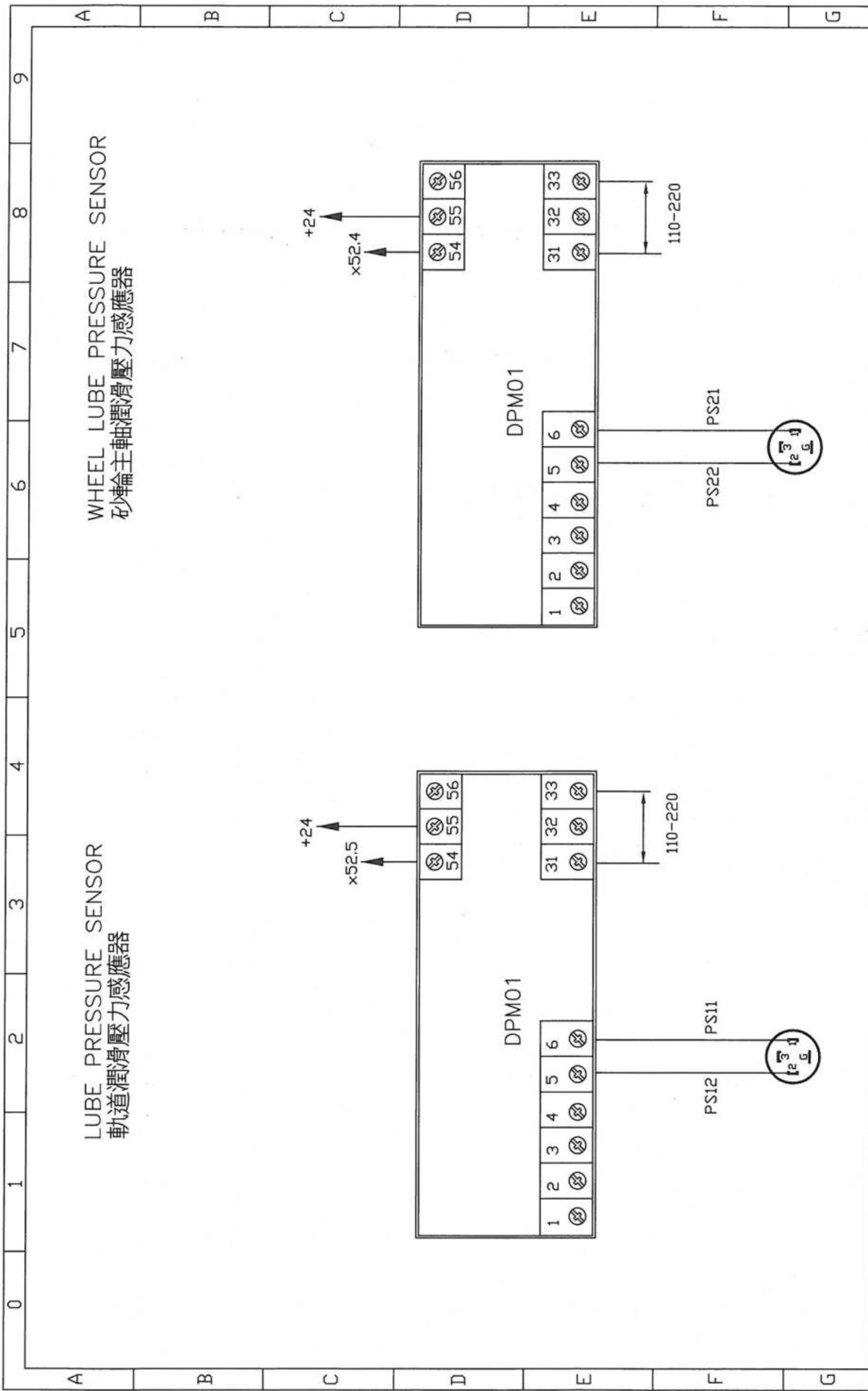
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	65
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title: RS232C CABLE			
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



MPG CONNECTION DIAGRAM

NO	COLOR	SIGNAL	NUMBER
	RED	+5V	+5V
	GREEN	0V	0V
	BLACK	A	A
	WHITE	B	B
	LIGHT BLUE	+L	Y3.6
	LIGHT GRAY	-L	L-(0V)
	WHITE/BLACK	NO	L+(+24)
	ORANGE	X	X22.0
	PURPLE	Y	X22.1
	GRAY	Z	X22.2
	PINK	4	X22.3
	YELLOW	5	X22.4
	BROWN	X10	X22.5
	BLUE	X100	X22.6
	YELLOW/BLACK	11	EMG-11
	BROWN/BLACK	12	EMG-12
	LIGHT BLUE/BLACK	21	EMG-21
	ORANGE/BLACK	22	EMG-22

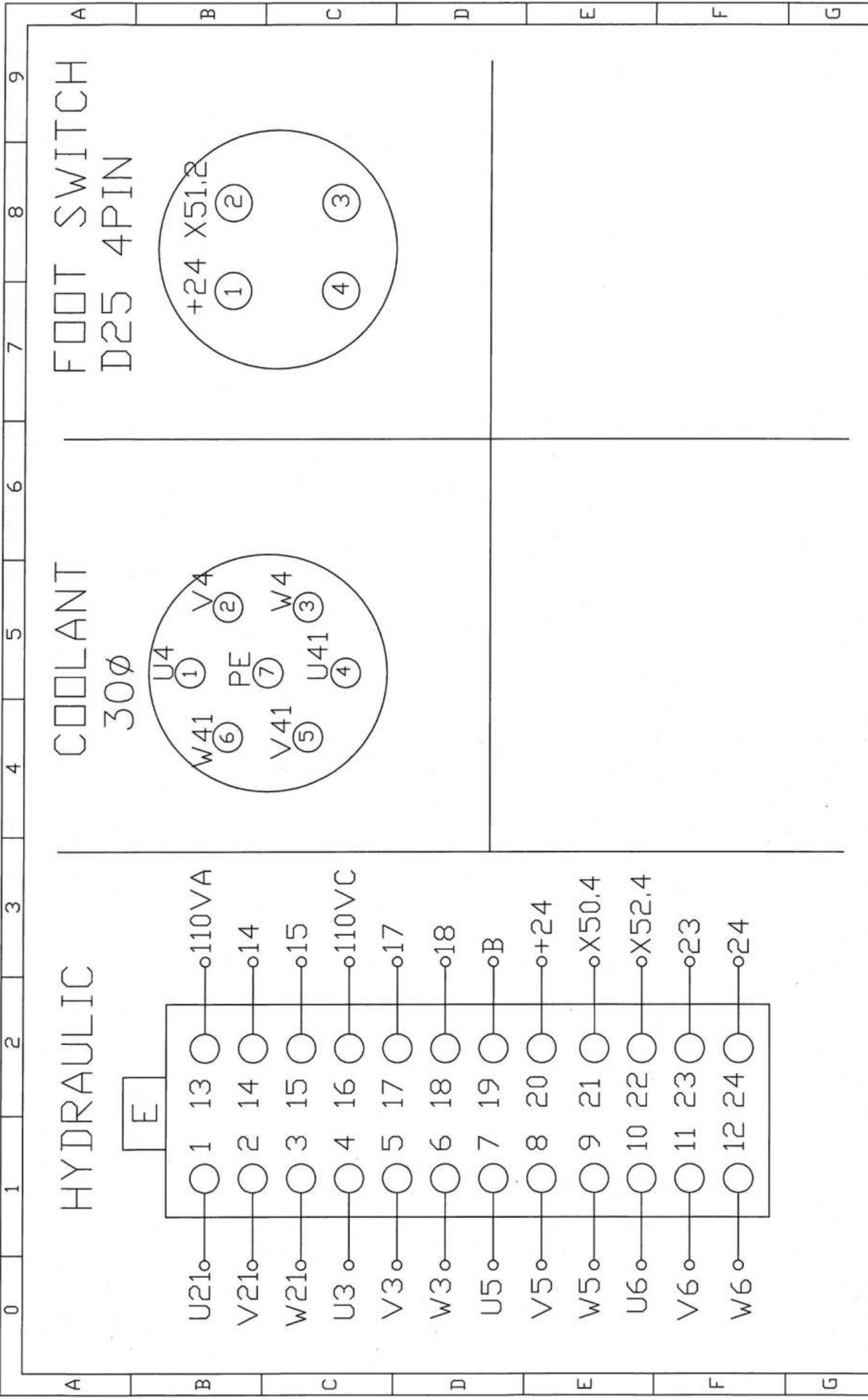
SHARP		NC Type	01-TF	Machine:	DD Grinding	Drawing No.: 66
		MODEL	OD-CNC	Title: MPG TYPE		
Approved	16, 10, 14	SHUN				
Checked	16, 10, 14	SHUN				
Designed	16, 10, 14	SHUN				
Drawn	16, 10, 14	SHUN				



LUBE PRESSURE SENSOR
軌道潤滑壓力感應器

WHEEL LUBE PRESSURE SENSOR
砂輪主軸潤滑壓力感應器

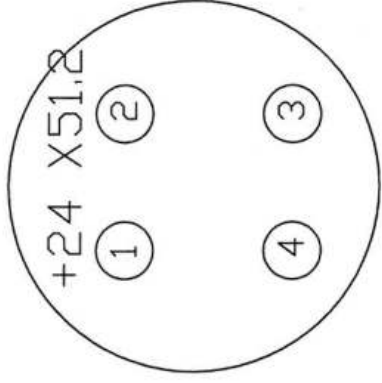
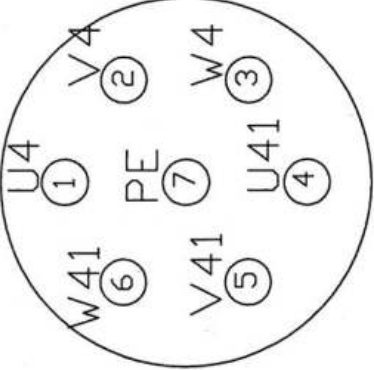
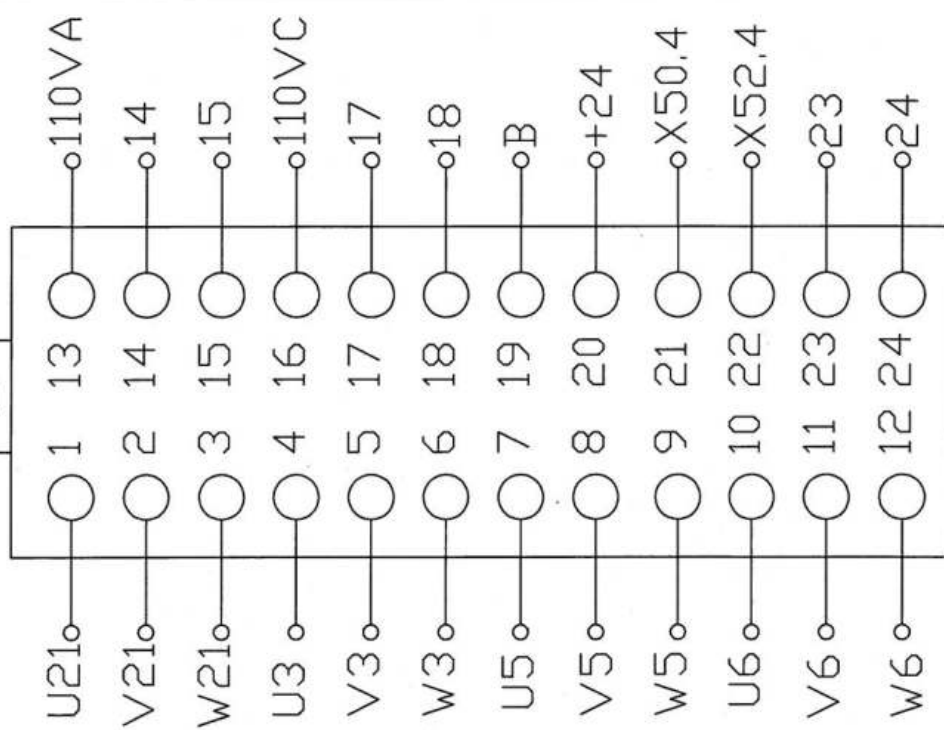
d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	□□ Grinding	Drawing No.:	67	
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	HYDURLIC PRESSURE S.W			
b	Designed	16	10	14	SHUN								
a	Drawn	16	10	14	SHUN								



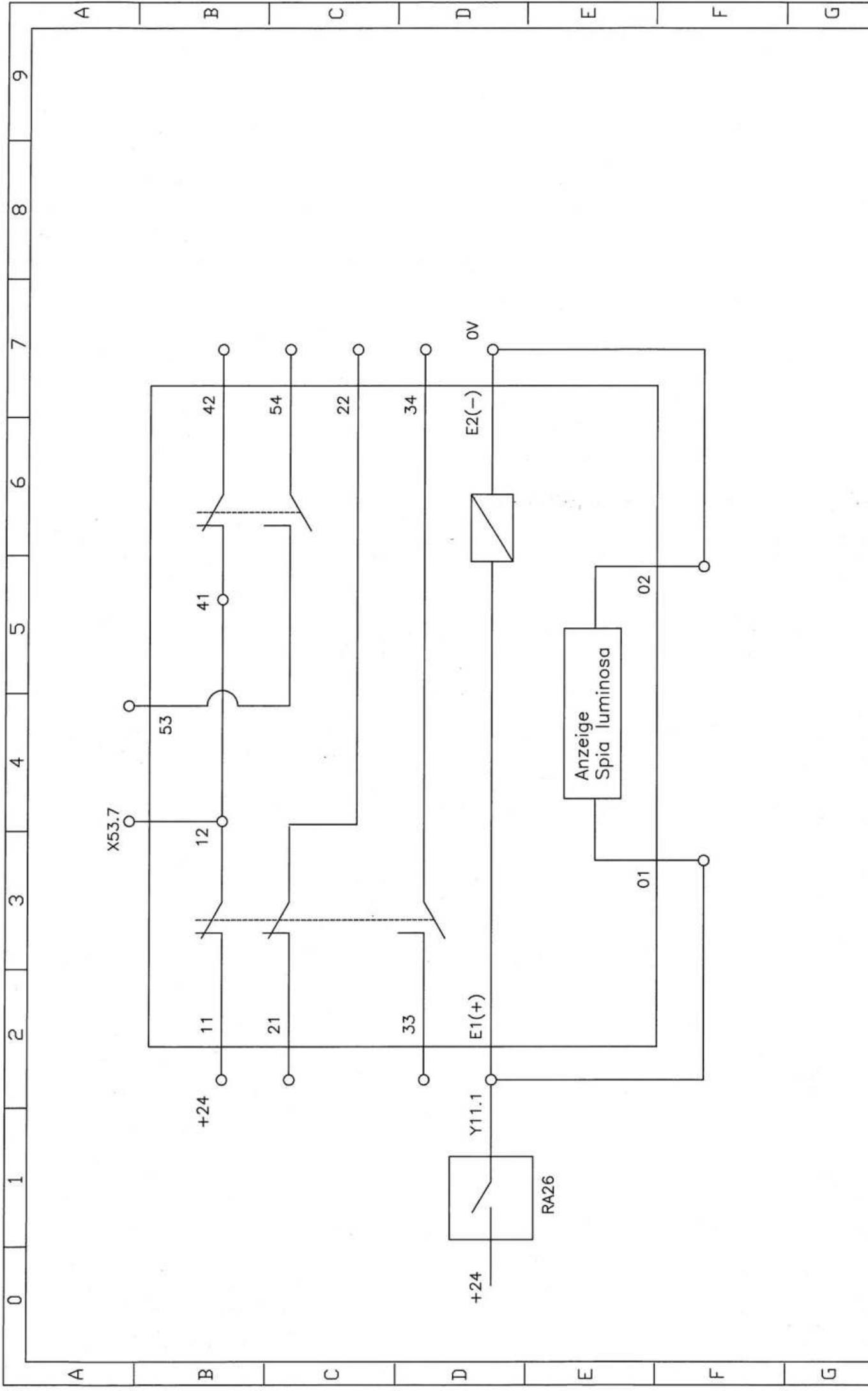
HYDRAULIC

COOLANT
30φ

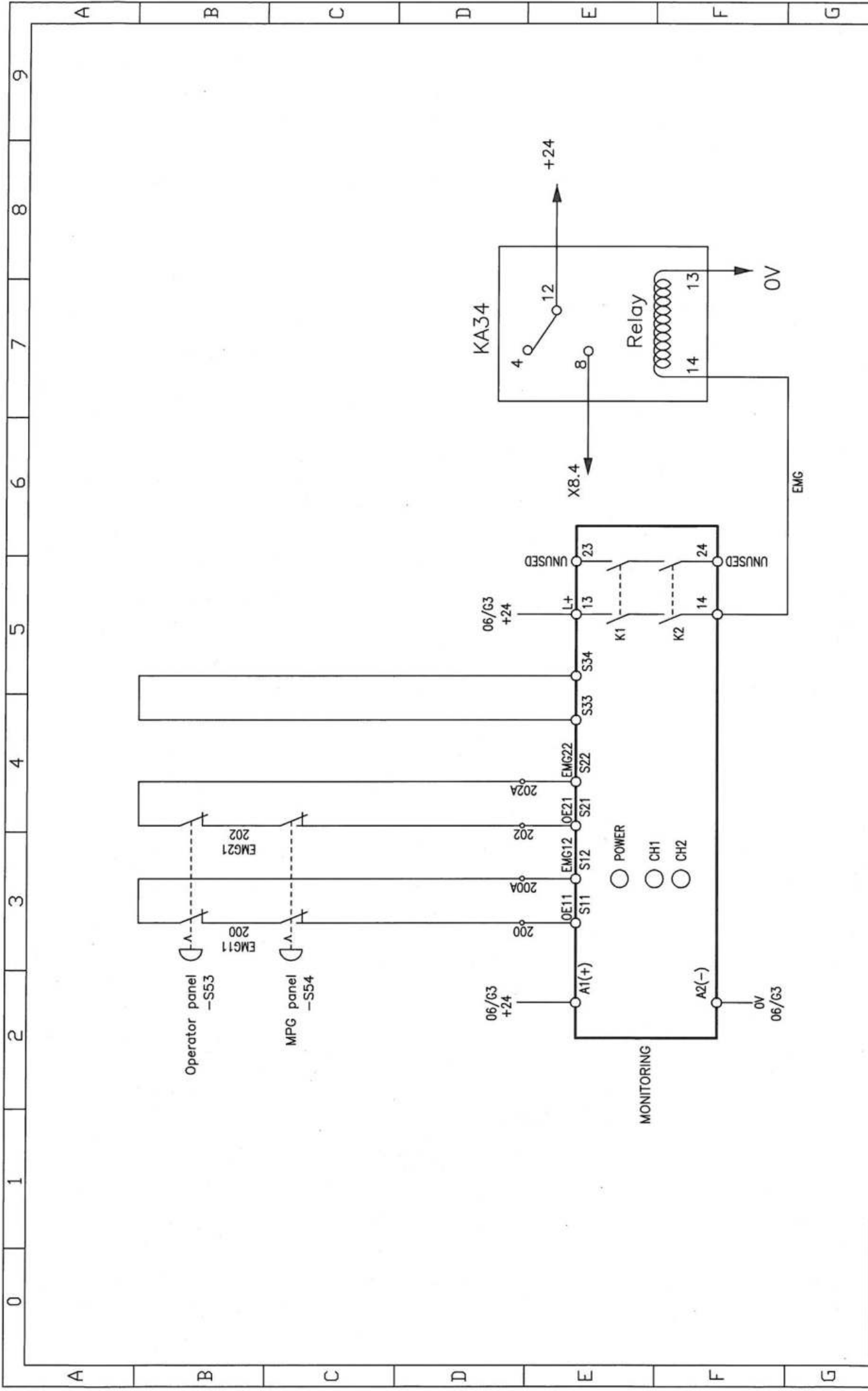
FOOT SWITCH
D25 4PIN



d	Approved	16, 10, 14	SHUN	SHARP	NC Type	0i-TF	Machine: OD Grinding	Drawing No: 68
c	Checked	16, 10, 14	SHUN			MODEL: OD-CNC		
b	Designed	16, 10, 14	SHUN		Title: HYDRAULIC AND COOLANT PUMP SOCKET CONNECTION			
a	Drawn	16, 10, 14	SHUN					



d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	69
c	Checked	16	10	14	SHUN			MODEL		OD-CNC		Title:
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



d	Approved	16	10	14	SHUN	SHARP	OD-CNC	MODEL	NC Type	0i-TF	Machine: □□ Grinding	Title: EMG	Drawing No.:	70
c	Checked	16	10	14	SHUN									
b	Designed	16	10	14	SHUN									
a	Drawn	16	10	14	SHUN									

0 1 2 3 4 5 6 7 8 9

A B C D E F G

SUG 520*200*2mm

MODE SELECT

FEEDRATE OVERRIDE

RAPID TRAVERSE

SPINDLE OVERRIDE

COOLANT SELECT

MODE SELECT

PROGRAM

EMERGENCY STOP

AXIS DIRECTION

S17 Y3.3 X0.3	S18 Y3.6 X0.5	S19 Y3.9 X0.7	S20 Y4.2 X0.9
S21 Y4.5 X1.1	S22 Y4.8 X1.3	S23 Y5.1 X1.5	S24 Y5.4 X1.7
S25 Y5.7 X1.9	S26 Y6.0 X2.1	S27 Y6.3 X2.3	S28 Y6.6 X2.5
S29 Y6.9 X2.7	S30 Y7.2 X2.9	S31 Y7.5 X3.1	S32 Y7.8 X3.3

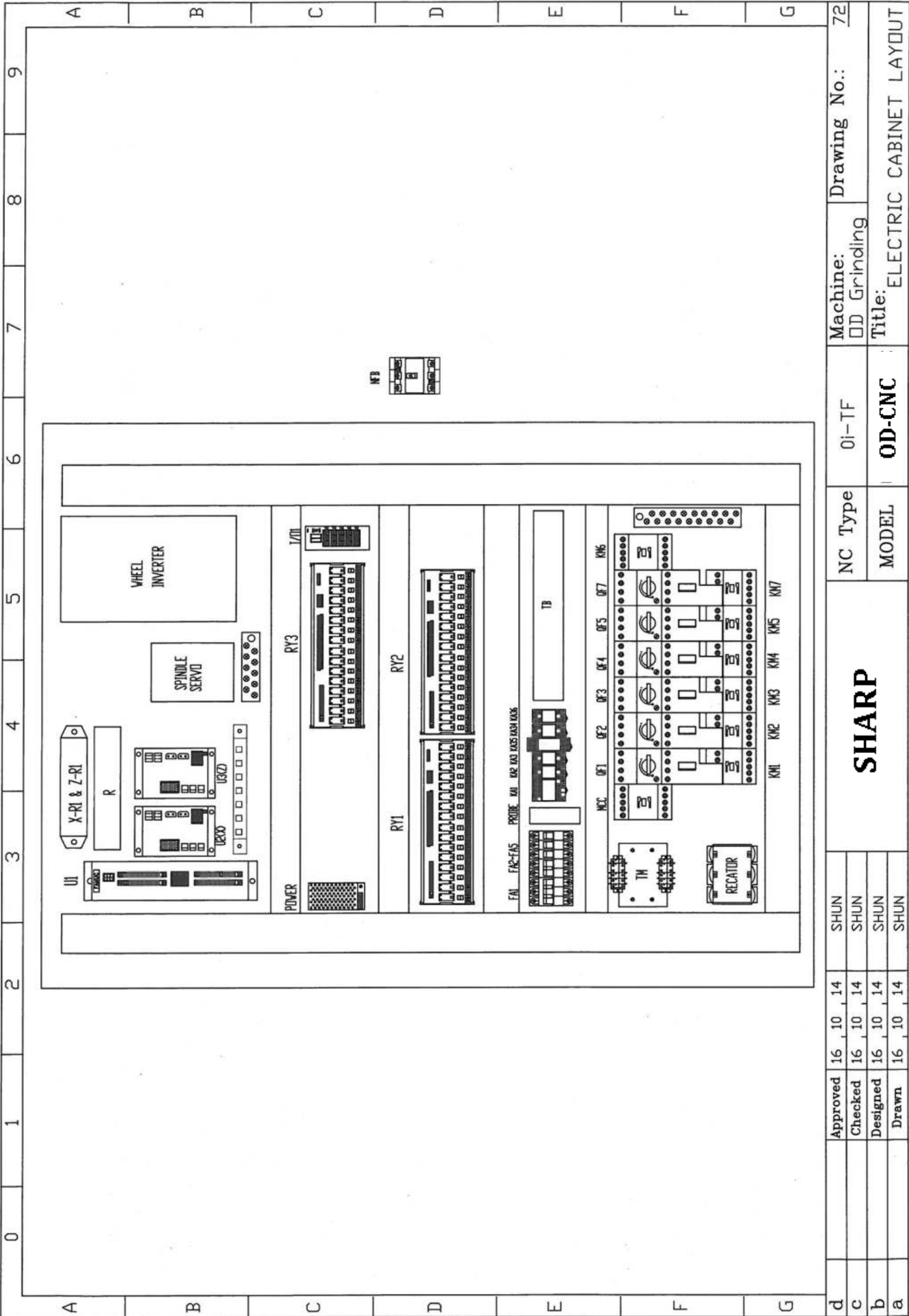
SPINDLE

S33 X20.4	S34 X20.5	S35 X20.6	S36 X20.7
S37 X20.8	S38 X20.9	S39 X21.0	S40 X21.1
S41 X21.2	S42 X21.3	S43 X21.4	S44 X21.5
S45 X21.6	S46 X21.7	S47 X21.8	S48 X21.9

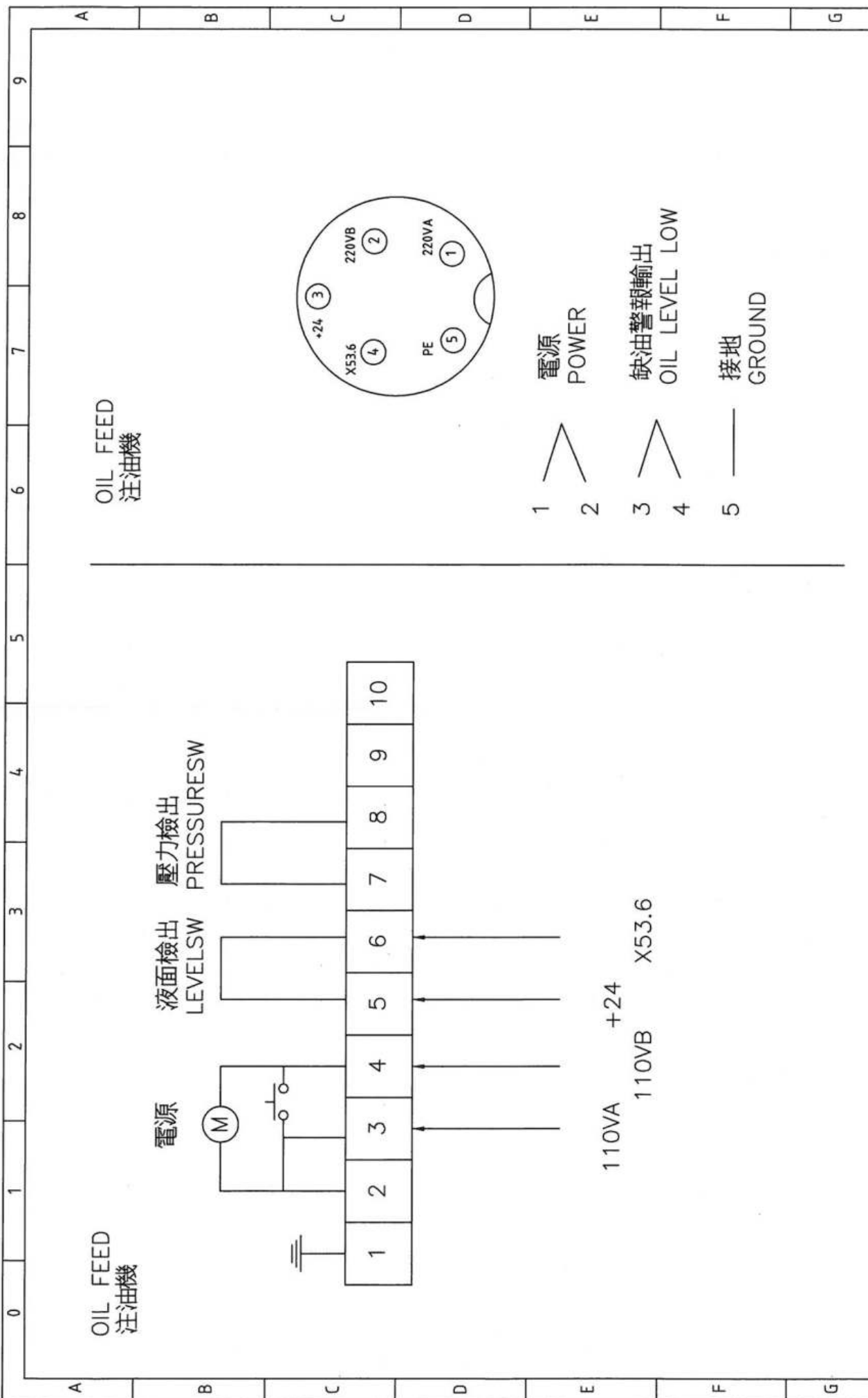
FUNCTION

S49 Y0.0 X20.0	S50 Y0.1 X20.1	S51 Y0.2 X20.2	S52 Y0.3 X20.3
S53 Y0.4 X20.4	S54 Y0.5 X20.5	S55 Y0.6 X20.6	S56 Y0.7 X20.7
S57 Y0.8 X20.8	S58 Y0.9 X20.9	S59 Y1.0 X21.0	S60 Y1.1 X21.1
S61 Y1.2 X21.2	S62 Y1.3 X21.3	S63 Y1.4 X21.4	S64 Y1.5 X21.5

d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	DD Grinding	Drawing No.:	71
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	OPERATION BOARD I/O		
b	Designed	16	10	14	SHUN							
a	Drawn	16	10	14	SHUN							



d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine:	OD Grinding	Drawing No.:	72	
c	Checked	16	10	14	SHUN		MODEL	OD-CNC	Title:	ELECTRIC CABINET LAYOUT			
b	Designed	16	10	14	SHUN								
a	Drawn	16	10	14	SHUN								



d	Approved	16	10	14	SHUN	SHARP	NC Type	0i-TF	Machine: OD Grinding	Drawing No.: 73
	Checked	16	10	14	SHUN					
	Designed	16	10	14	SHUN					
	Drawn	16	10	14	SHUN					
MODEL		OD-CNC					Title: LUBRICATION OIL FEED			