

Electric schematic diagram

NC system: SIEMENS 808D

Name of machine tool: Economical NC lathe

Model of machine tool: PTC/K series economical NC lathe

Specification of power supply: ~220V/~420V/~600V/~400V/~380V/50Hz/60Hz

Manufacturer: Yunnan CY Group Co., Ltd.

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Color of the outgoing wire of main breaker:

black main circuit
 light blue N wire
 red AC control circuit

Color of the inlet wire of main breaker:

black main circuit
 yellow-and-green protective earth/PE
 light blue N wire
 red AC control circuit
 blue DC circuit
 orange external voltage

Cross section of wire:

all the wire not marked multi-core copper wire 1 mm²
 Notice: Cross-section unit of all the wire is mm².

Color marks of wire:

black BK
 brown BN
 red RD
 orange OG
 yellow YE
 green GN
 blue BU
 violet VT
 gray GY
 white WH
 pink PK
 golden GD
 turquoise TQ
 silvery SR
 yellow-and-green GNYE

total number of old source drawing
 total number of source drawing
 signature
 date

0000 0001 0002 0003 0004

marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale	definition of wires
design									Economical NCLathe
drawing						B			
director									Yunnan CY Group Co., Ltd.
proofread									
						SIEMENS 808D			definition of wires
						Totalling 4 pages, page 1			universal definition

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Definition of mounting position

- electric cabinet +C
- control box +P
- user network +U NET
- lathe bed +M01
- spindle +M02
- tailstock +M03
- tool post +M04
- saddle +M05
- apron +M06
- feed +M07
- chuck +M09
- steady rest +M10
- cooling system +M14
- spindle fan +M15
- protection +M16
- lubricating system +M17
- gearbox +M21
- hydraulic system +M19

register of grafting (general) parts
 total number of old source drawing
 total number of source drawing
 signature
 date


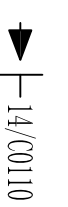
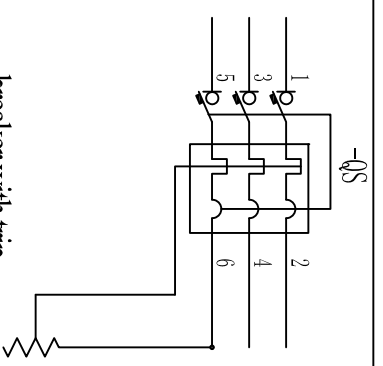
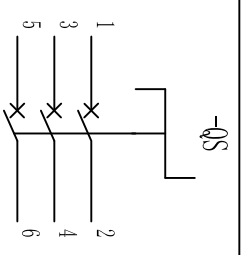
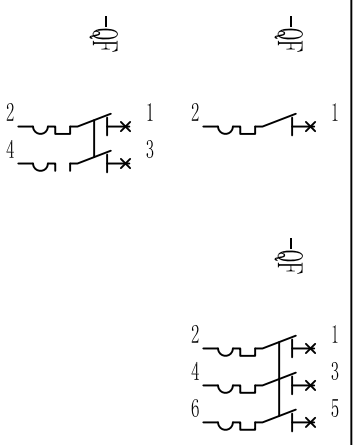
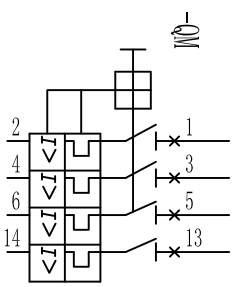
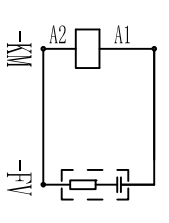
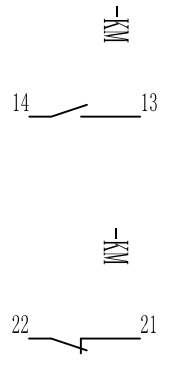
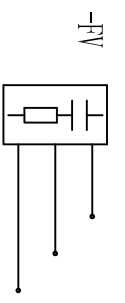
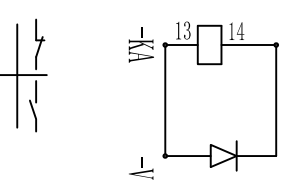
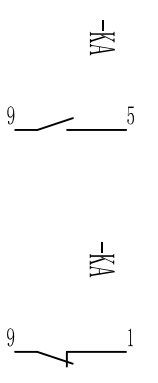
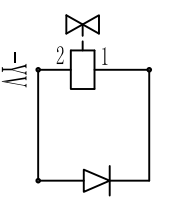
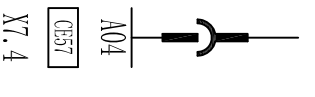

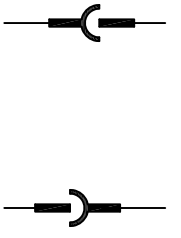
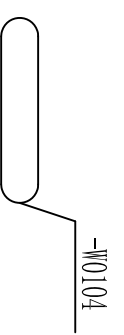
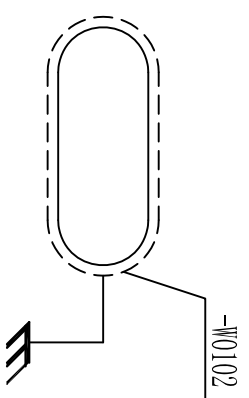
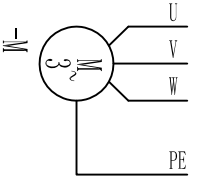
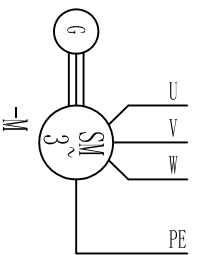
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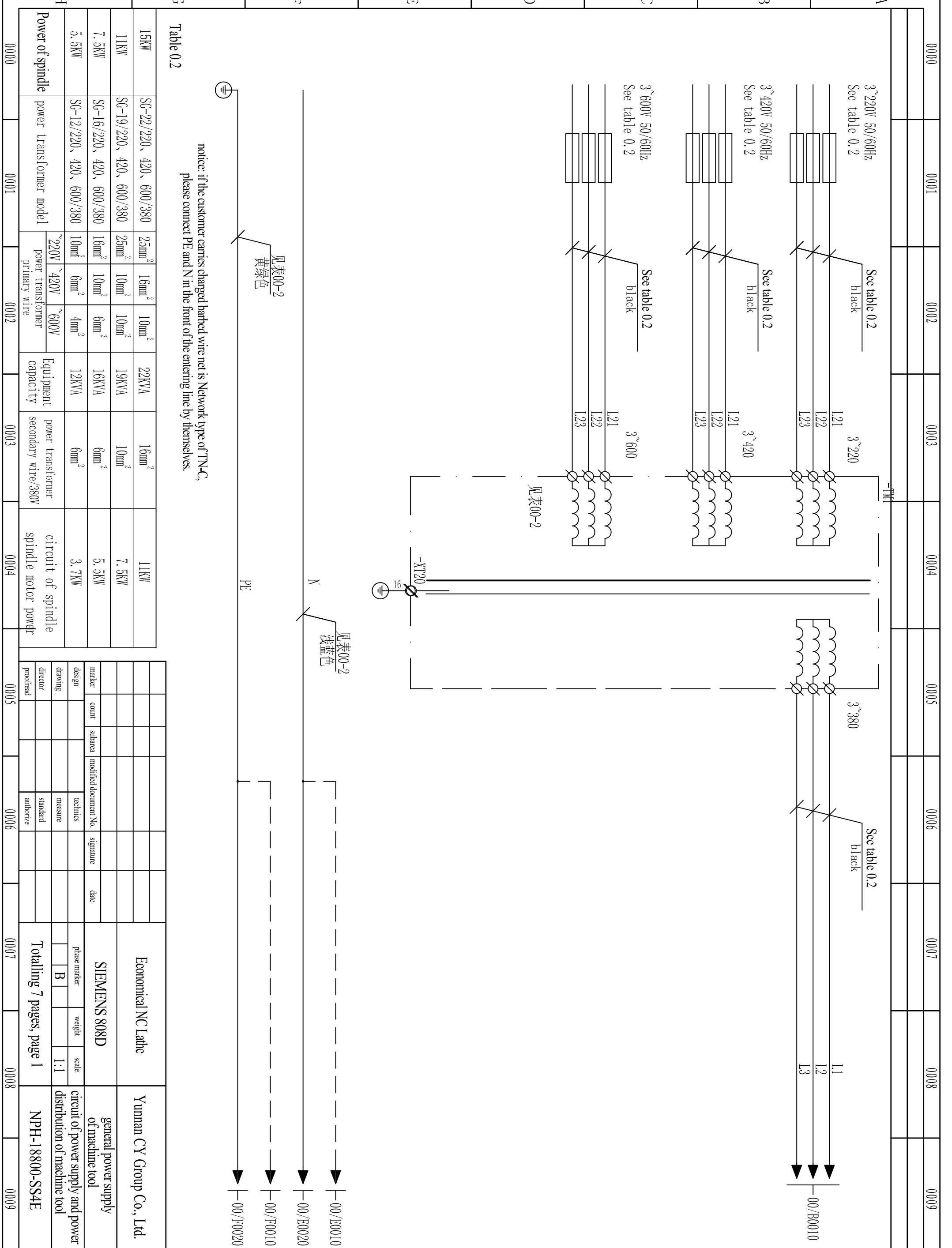
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A	10.0	Emergency stop (X100.2)	Normal close signal					00.0	Red alarm lamp (X200.2)	Normal open signal	
	10.1	Selection of X-axis (X100.3)	Normal open signal					00.1	Yellow alarm lamp (X200.3)	Normal open signal	
	10.2	Selection of Z-axis (X100.4)	Normal open signal					00.2	Green alarm lamp (X200.4)	Normal open signal	
	10.3	Handwheel multiplying power×1 (X100.5)	Normal open signal								
	10.4	Handwheel multiplying power×10 (X100.6)	Normal open signal								
	10.5	Handwheel multiplying power×100 (X100.7)	Normal open signal								
			Normal open signal								
			Normal open signal								
			Normal open signal								
			Normal open signal								
B	13.0	Foot switch for chuck (X301.3)	Normal open signal					02.0	Start of cooling motor (X301.31)	Normal open signal	
	13.1	Locking signal of tool post (X301.4)	Normal open signal					02.1	Forward rotation of tool post (X301.32)	Normal open signal	
	13.2	T1 (X301.5)	Normal open signal					02.2	Reversal rotation of tool post (X301.33)	Normal open signal	
	13.3	T2 (X301.6)	Normal open signal					02.3	Clamping of chuck (X301.34)	Normal open signal	
	13.4	T3 (X301.7)	Normal open signal					02.4	Unclamping of chuck (X301.35)	Normal open signal	
	13.5	T4 (X301.8)	Normal open signal					02.5	Spindle oscillation (X301.36)	Normal open signal	
	13.6	T5 (X301.9)	Normal open signal					02.6	Spindle forward rotation (X301.37)	Normal open signal	
	13.7	T6 (X301.10)	Normal open signal					02.7	Spindle reversal rotation (X301.38)	Normal open signal	
	14.0	+X limit (X301.11)	Normal open signal					03.0	Retracting of tailstock sleeve (X301.39)	Normal open signal	
	14.1	-X limit (X301.12)	Normal open signal					03.1	Extending of tailstock sleeve (X301.40)	Normal open signal	
C	14.2	Reference-point return of X-axis (X301.13)	Normal open signal					03.2	Gear shift motor forward (X301.41)	Normal open signal	
	14.3	+Z limit (X301.14)	Normal open signal					03.3	Gear shift motor reverse (X301.42)	Normal open signal	
	14.4	-Z limit (X301.15)	Normal open signal					03.4	Start of lubricating motor (X301.43)	Normal open signal	
	14.5	Reference-point return of Z-axis (X301.16)	Normal open signal								
	14.6	Neutral of spindle (X301.17)	Normal open signal					04.0	Lamp of NC start (X302.31)		
	14.7	Low gear of spindle (X301.18)	Normal open signal					04.1	Lamp of NC stop (X302.32)		
	15.0	Middle gear of spindle (X301.19)	Normal open signal					04.2	Analog voltage switching (X302.33)		
	15.1	High gear of spindle (X301.20)	Normal open signal					04.3	Output of reset (X302.34)		
	15.2	Frequency arrival (X301.21)	Normal open signal								
	15.3	Zero speed of spindle (X301.22)	Normal open signal								
D	15.4	Foot switch for tailstock (X301.23)									
	15.5	Lubricating oil level detection (X301.24)									
	15.6	Hydraulic pressure detection (X301.25)									
	15.7	Overload detection of tool post (X301.26)									
E											
F											
G											
H											

total number of old source drawing	0000	0001	0002	0003	0004	0005	0006	0007	0008	0009																																																							
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<p>wiring terminal</p> 	<p>flow direction of power supply</p> 	<p>breaker with trip</p> 	<p>combined switch for power supply</p> 	<p>small breaker</p> 	<p>breaker for motor</p> 	<p>coil of contactor + single-phase arc suppressor</p> 	<p>auxiliary contact of contactor</p> 	<p>three-phase arc suppressor</p> 	<p>coil of relay</p> 	<p>contact of relay</p> 	<p>hydraulic valve</p> 	<p>PLC input</p> 	<p>PLC output</p> 	<p>processing plug</p> 	<p>common cable</p> 	<p>shielded cable</p> 	<p>common motor</p> 	<p>servo motor</p> 																			
<p>register of grafting (general parts)</p>	<p>total number of old source drawing</p>	<p>total number of source drawing</p>	<p>signature</p>	<p>date</p>	<table border="1"> <tr> <th>marker</th> <th>count</th> <th>subarea</th> <th>modified document No.</th> <th>signature</th> <th>date</th> </tr> <tr> <td>design</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>drawing</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>director</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>proofread</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	marker	count	subarea	modified document No.	signature	date	design						drawing						director						proofread						<p>Economical NCLathe</p> <p>SIEMENS 808D</p> <p>phase marker: B</p> <p>weight: 1:1</p> <p>Totalling 1 page</p>	<p>Yunnan CY Group Co., Ltd.</p> <p>explanation of electrical elements and symbols</p>
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director																																					
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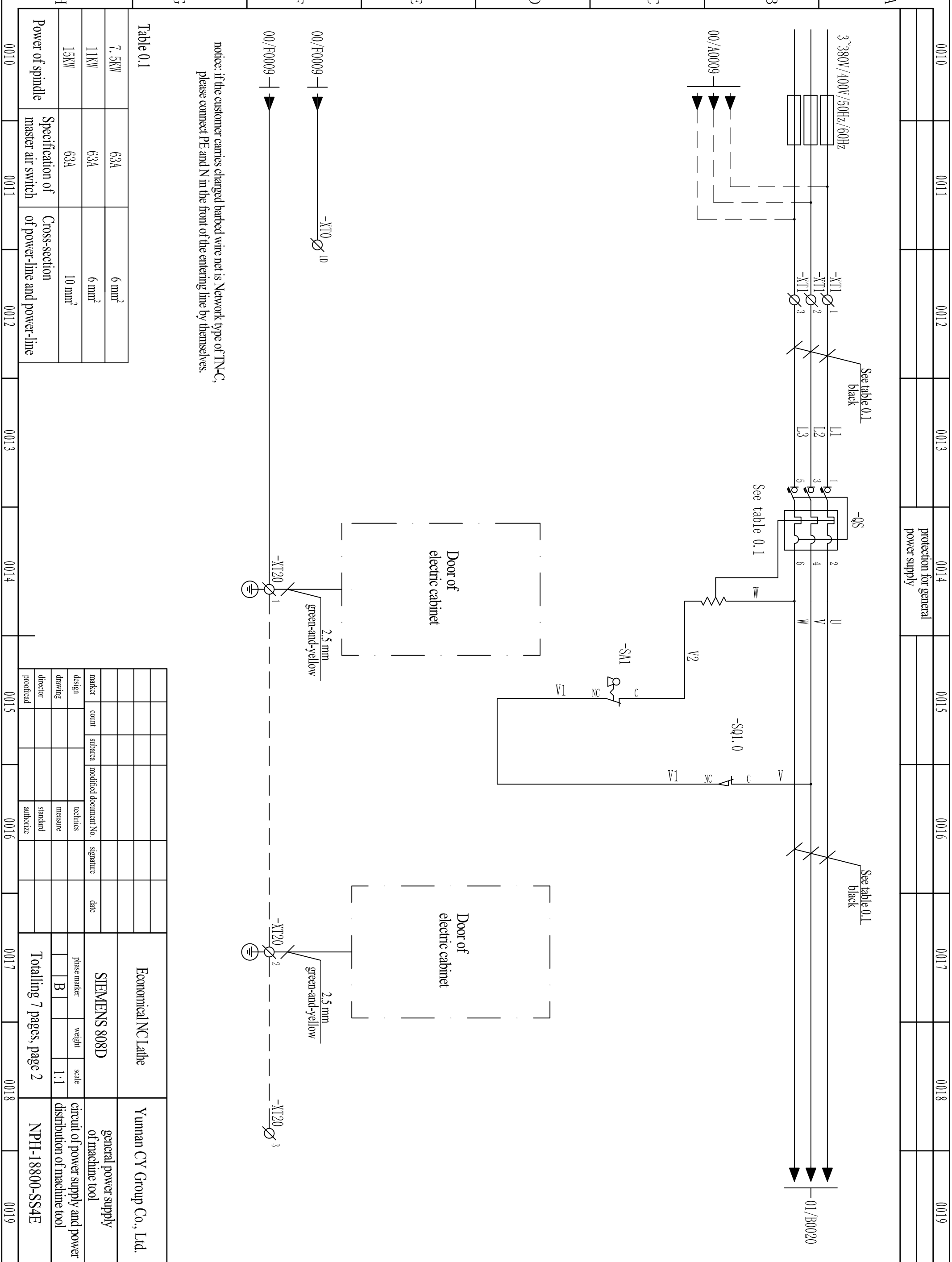


notice: if the customer carries charged barbed wire net is TN-C,
please connect PE and N in the front of the entering line by themselves.

Table 0.2

total number of old source drawing	total number of source drawing	signature	date	Table 0.2				Economic Information											
				power transformer model	power transformer primary wire	Equipment capacity	power transformer secondary wire/380V	spindle motor power	design	marker	count	subarea	modified document No.	signature	date				
0000	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
15KW	SG-22/220、420、600/380	25mm ²	16mm ²	10mm ²	22KVA	16mm ²	11KW												
11KW	SG-19/220、420、600/380	25mm ²	10mm ²	10mm ²	19KVA	10mm ²	7.5KW												
7.5KW	SG-16/220、420、600/380	16mm ²	10mm ²	6mm ²	16KVA	6mm ²	5.5KW												
5.5KW	SG-12/220、420、600/380	10mm ²	6mm ²	4mm ²	12KVA	6mm ²	3.7KW												

0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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notice: if the customer carries charged barbed wire net is Network type of TN-C,
please connect PE and N in the front of the entering line by themselves.

Table 0.1

7.5KW	63A	6 mm ²
11KW	63A	6 mm ²
15KW	63A	10 mm ²

Power of spindle	Specification of master air switch	Cross-section of power-line and power-line
------------------	------------------------------------	--

0010

0011

0012

0013

0014

0015

0016

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0018

0019

Economical NCLathe

SIEMENS 808D

Yunnan CY Group Co., Ltd.

general power supply of machine tool

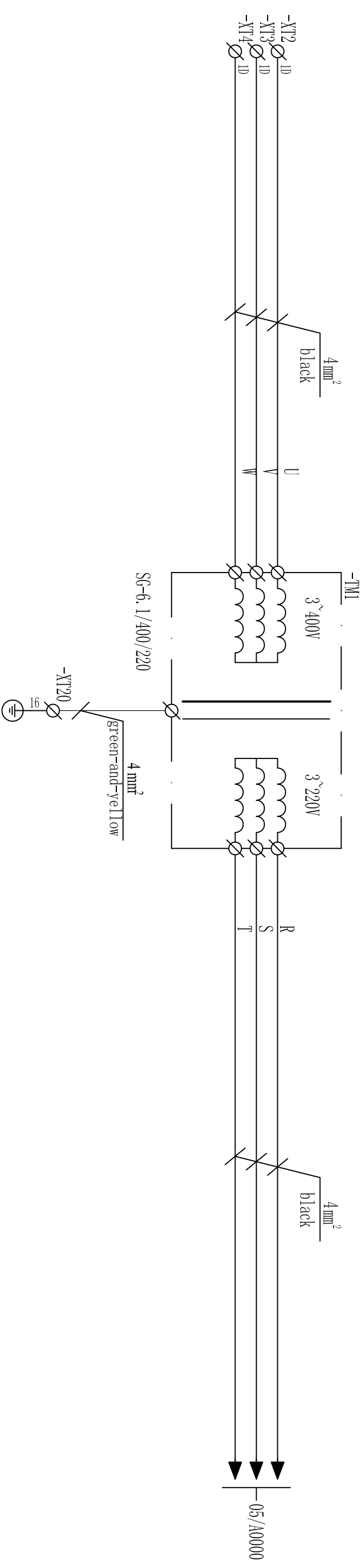
marker	count	subarea	modified document No.	signature	date
design					
drawing					
director					
proofread					

Totalling 7 pages, page 2

NPH-18800-SS4E

0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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0030	0031	0032	0033	0034	0035	0036	0037	0038	0039
------	------	------	------	------	------	------	------	------	------



Note: This page is used for SINUMERIK 808D
808D ADVANCED supply voltage 380 V.

0030	0031	0032	0033	0034	0035	0036	0037	0038	0039
				power transformer					
				4mm ² black					
				3~400V					
				SG-6.1/400/220					
				4mm ² green-and-yellow					
				3~220V					
				4mm ² black					
				U					
				V					
				W					
				R					
				S					
				T					
				05/A0000					
				4mm ² black					
				4mm ² green-and-yellow					
				9					
				XT20					

0030	0031	0032	0033	0034	0035	0036	0037	0038	0039
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marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale	general power supply of machine tool
design									SIEMENS 808D
drawing						B			
director									
proofread									
						Totalling 7 pages, page 4			Yunnan CY Group Co., Ltd.
						NPH-18800-SS4E			

Economical NCLathe

SIEMENS 808D

general power supply of machine tool

circuit of power supply and power distribution of machine tool

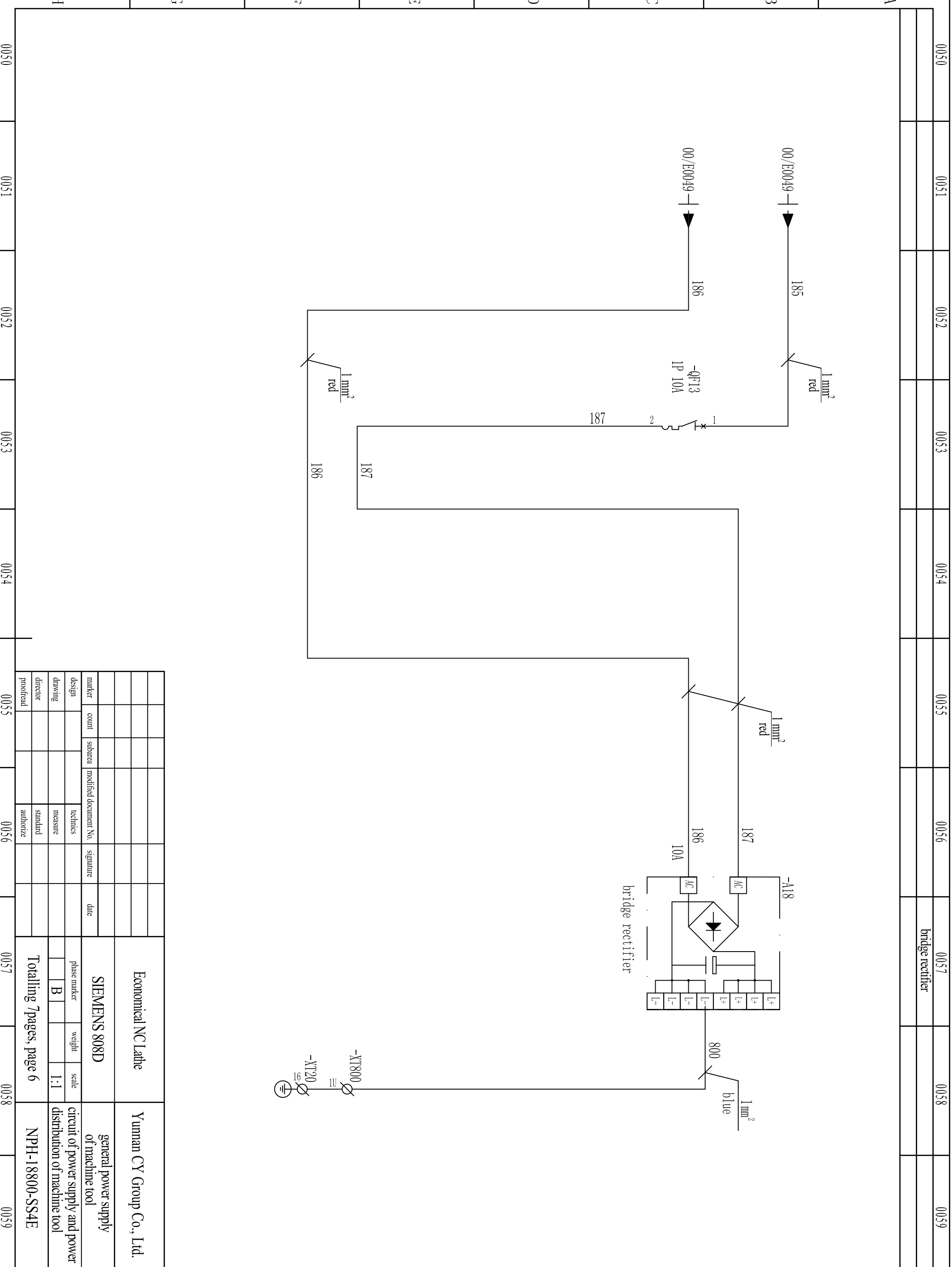
Yunnan CY Group Co., Ltd.

general power supply of machine tool

circuit of power supply and power distribution of machine tool

NPH-18800-SS4E

0050	0051	0052	0053	0054	0055	0056	0057	0058	0059
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0050	0051	0052	0053	0054	0055	0056	0057	0058	0059
------	------	------	------	------	------	------	------	------	------

register of grafting
(general) parts

total number of
old source drawing

total number of
source drawing

signature

date

marker	count	subarea	modified document No.	signature	date
design					
drawing					
director					
proofread					

Economical NCLathe

SIEMENS 808D

phase marker
B

weight
1:1

Yunnan CY Group Co., Ltd.

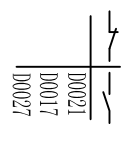
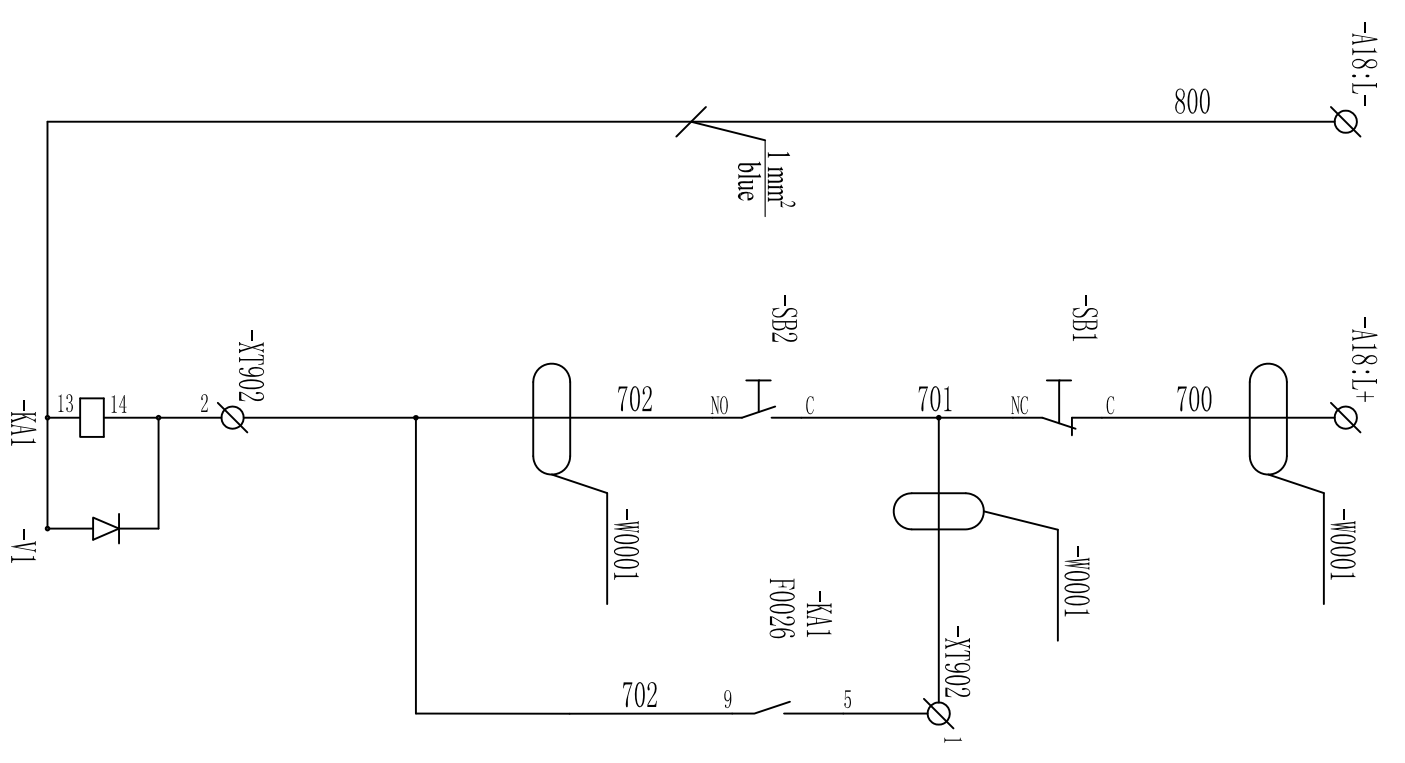
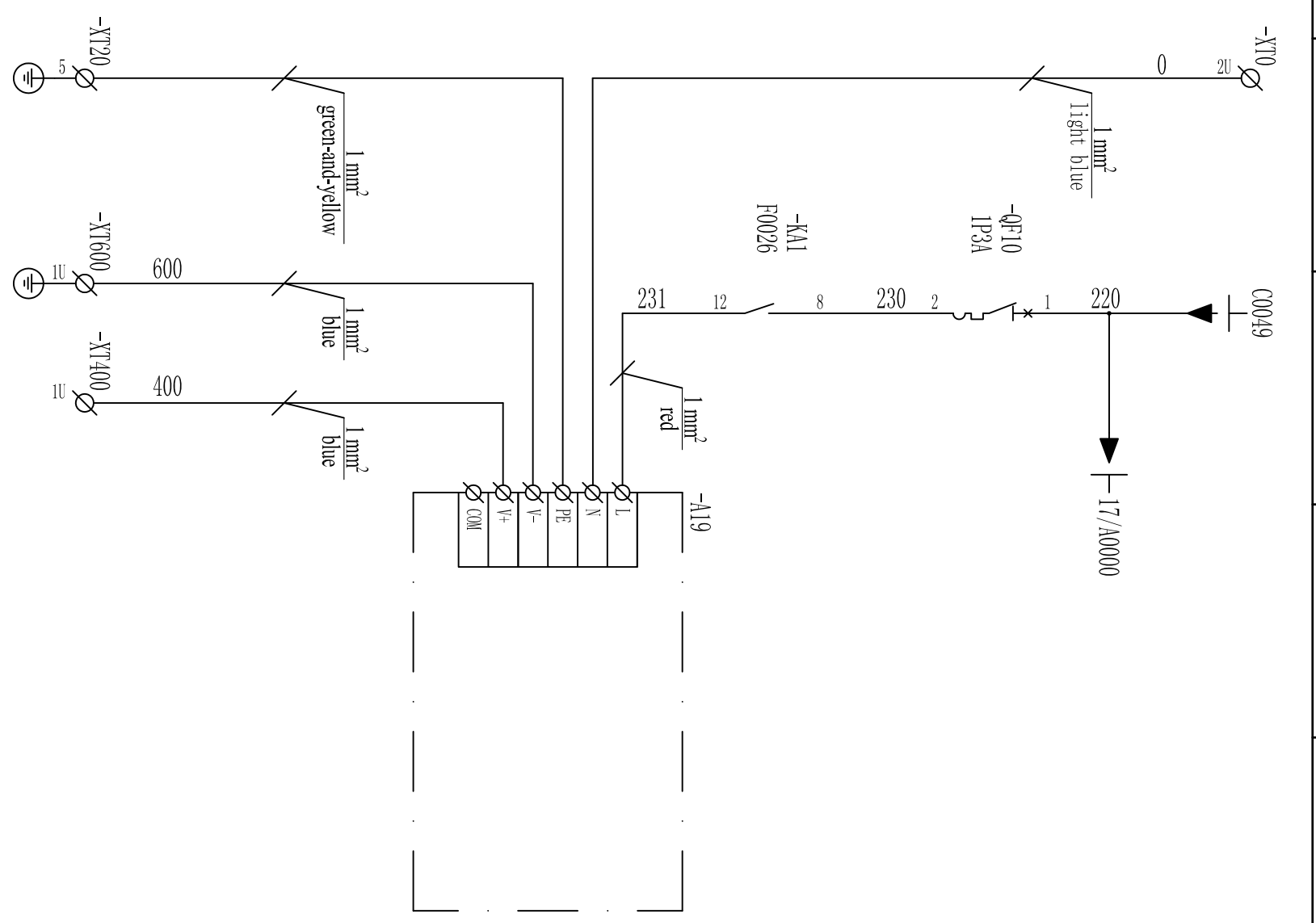
general power supply
of machine tool

circuit of power supply and power
distribution of machine tool

Totalling 7pages, page 6

0050	0051	0052	0053	0054	0055	0056	0057	0058	0059
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0060 0061 0062 0063 0064 0065 0066 0067 0068 0069



0060 0061 0062 0063 0064 0065 0066 0067 0068 0069

register of grafting
(general) parts

total number of
old source drawing

total number of
source drawing

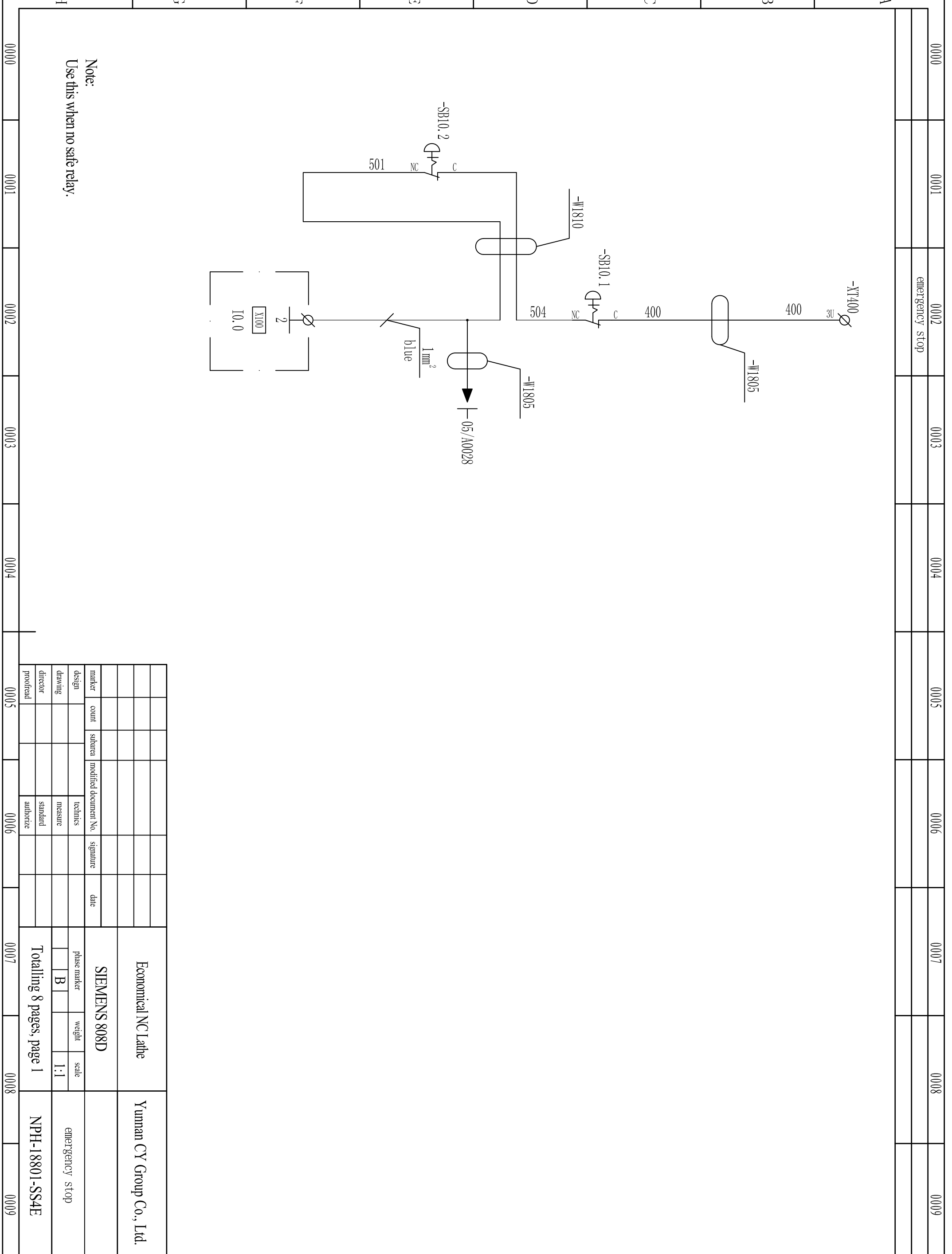
signature

date

Economic NCLathe				Yunnan CY Group Co., Ltd.					
SIEMENS 808D				general power supply of machine tool					
marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale	circuit of power supply and power distribution of machine tool NPH-18800-SS4E
design									
drawing						B		1:1	
director									
proofread									

Totalling 7 pages, page 7

0000 0001 0002 0003 0004 0005 0006 0007 0008 0009



0000 0001 0002 0003 0004 0005 0006 0007 0008 0009

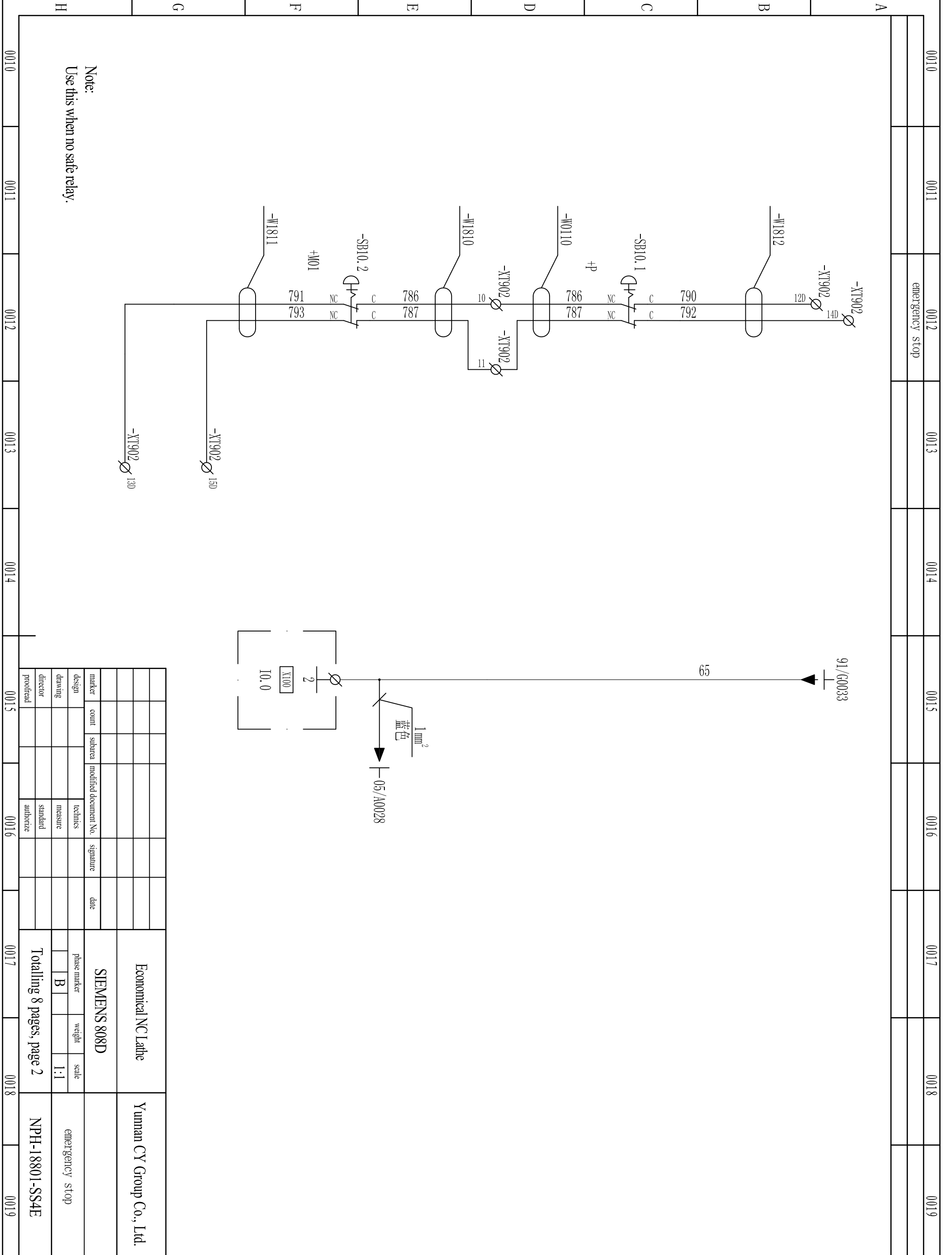
Note:
Use this when no safe relay.

marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale	emergency stop
design						B		1:1	
drawing									
director									
proofread									
						Totalling 8 pages, page 1		NPH-18801-SS4E	

0000 0001 0002 0003 0004 0005 0006 0007 0008 0009

0000 0001 0002 0003 0004 0005 0006 0007 0008 0009

0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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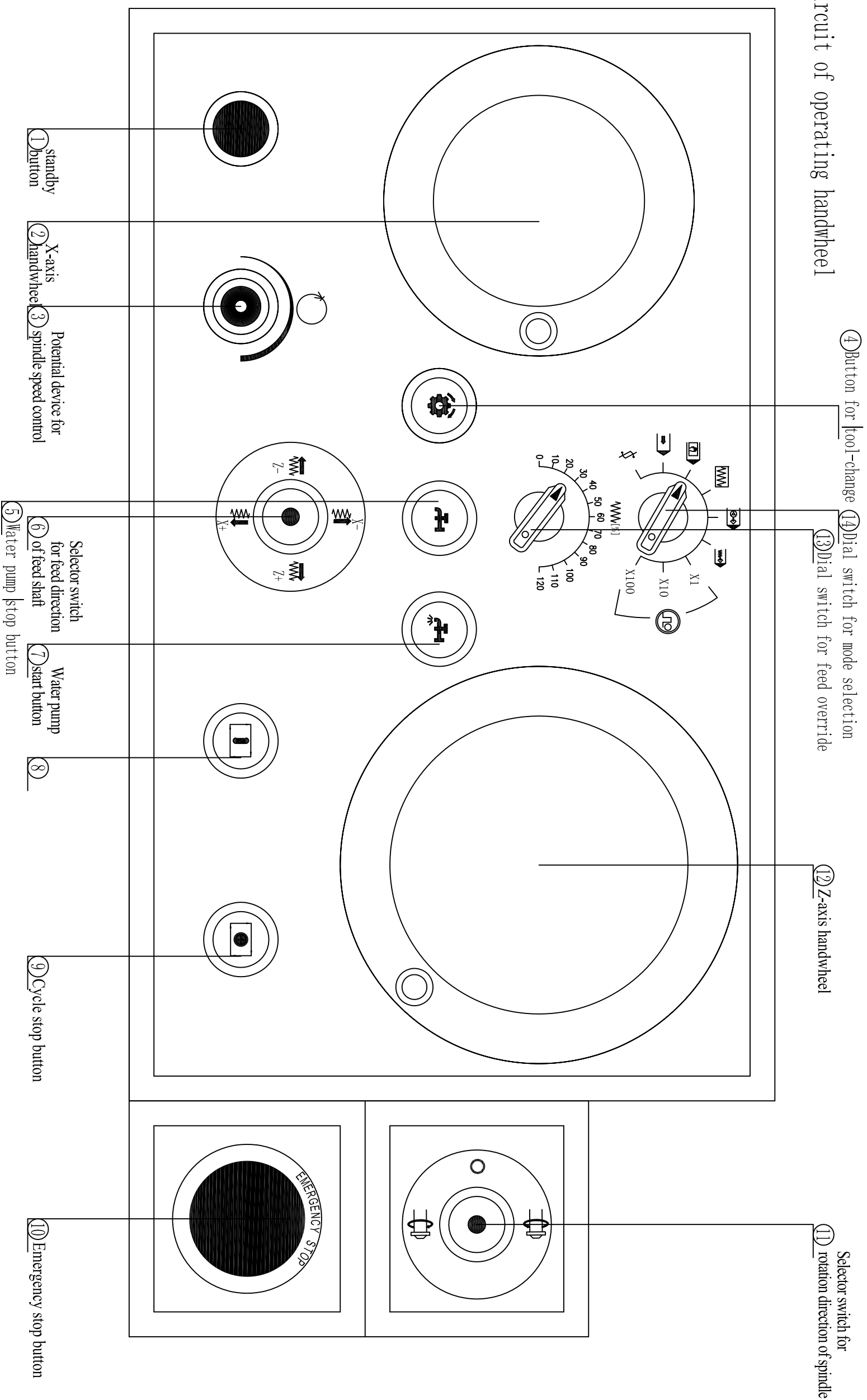


0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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marker	count	subarea	modified document No.	signature	date
design					
drawing					
director					
proofread					

Economical NCLathe			Yunnan CY Group Co., Ltd.		
SIEMENS 808D			emergency stop		
phase marker	weight	scale	Totalling 8 pages, page 2		
B		1:1	NPH-18801-SS4E		

-A31 circuit of operating handwheel



standby button

X-axis handwheel

Potential device for spindle speed control

Selector switch for feed direction of feed shaft

Water pump start button

Water pump stop button

Cycle stop button

Emergency stop button

Button for tool-change

Dial switch for mode selection

Dial switch for feed override

Selector switch for rotation direction of spindle

register of grafting (general) parts

total number of old source drawing

total number of source drawing

signature

date

marker	count	subarea	modified document No.	signature	date
design					
drawing					
director					
proofread					

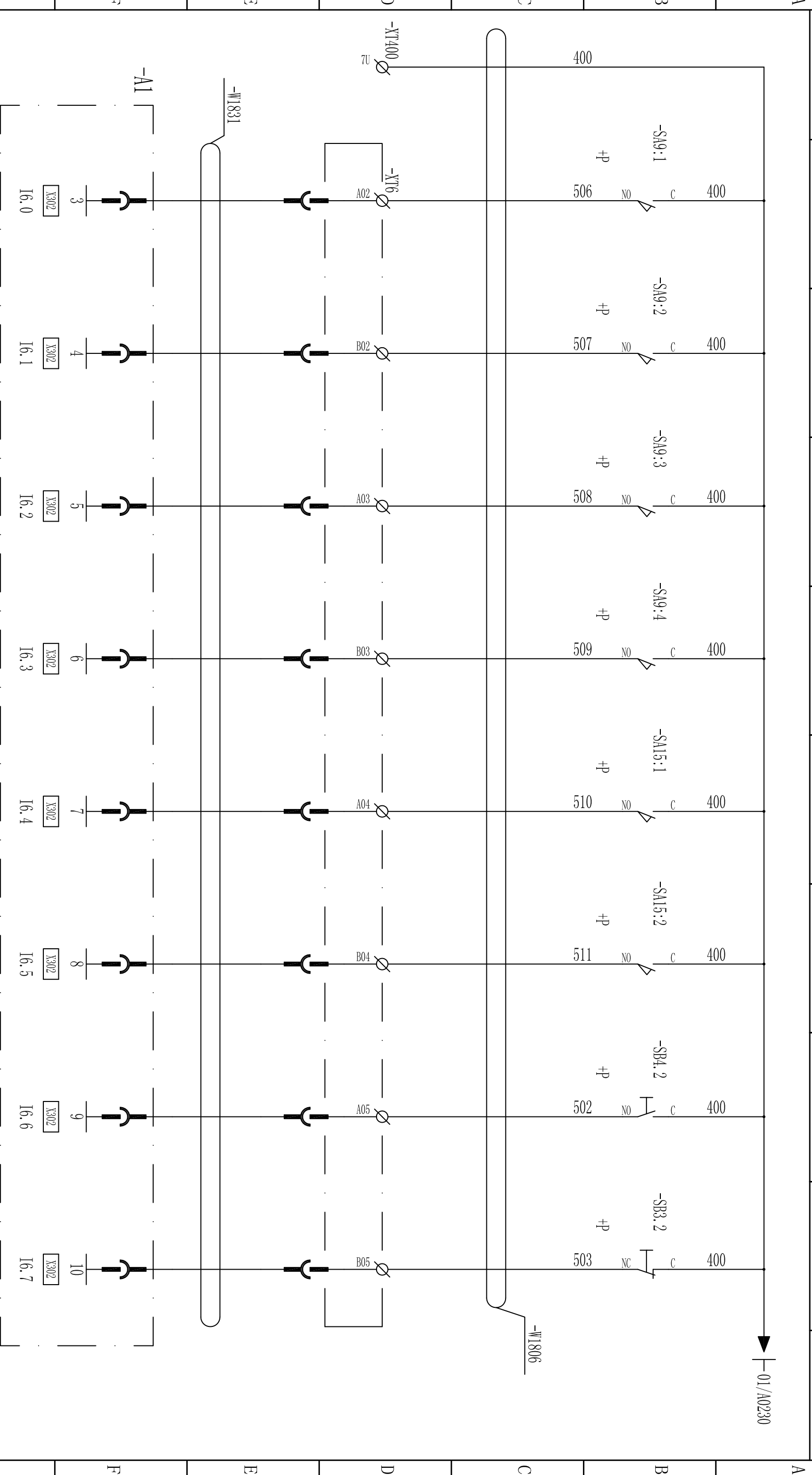
Economical NCLathe	Yunnan CY Group Co., Ltd.
SIEMENS 808D	front view of operating panel
phase marker	weight
B	scale
	1:1

Totalling 8 pages, page 3

NPH-18801-SS4E

0010 0011 0012 0013 0014 0015 0016 0017 0018 0019

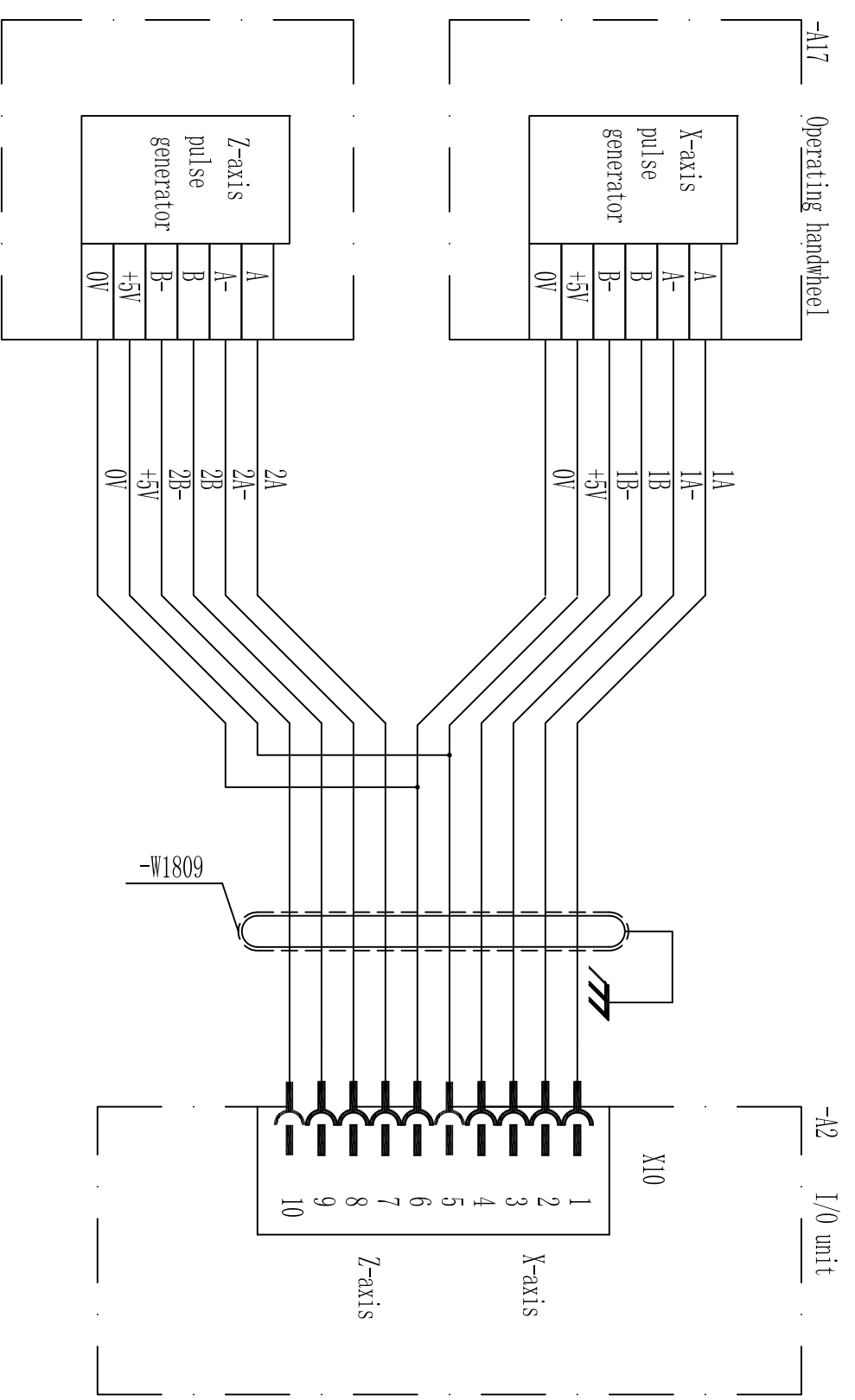
0220	0221	0222	0223	0224	0225	0226	0227	0228	0229
	rocker switch X+	rocker switch X-	rocker switch Z+	rocker switch Z-	rocker switch spindle forward	rocker switch spindle reverse	NC start	NC stop	



0220	0221	0222	0223	0224	0225	0226	0227	0228	0229																																									
<table border="1"> <tr> <td>marker</td> <td>count</td> <td>subarea</td> <td>modified document No.</td> <td>signature</td> <td>date</td> </tr> <tr> <td>design</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>drawing</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>director</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>proofread</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>					marker	count	subarea	modified document No.	signature	date	design						drawing						director						proofread						<table border="1"> <tr> <td>phase marker</td> <td>weight</td> <td>scale</td> </tr> <tr> <td>B</td> <td></td> <td>1:1</td> </tr> </table>		phase marker	weight	scale	B		1:1	<table border="1"> <tr> <td colspan="2">Totaling 8 pages, page 4</td> </tr> </table>		Totaling 8 pages, page 4		<table border="1"> <tr> <td colspan="2">NPH-18801-SS4E</td> </tr> </table>		NPH-18801-SS4E	
marker	count	subarea	modified document No.	signature	date																																													
design																																																		
drawing																																																		
director																																																		
proofread																																																		
phase marker	weight	scale																																																
B		1:1																																																
Totaling 8 pages, page 4																																																		
NPH-18801-SS4E																																																		
<table border="1"> <tr> <td colspan="2">Economical NCLathe</td> <td colspan="2">Yunnan CY Group Co., Ltd.</td> </tr> <tr> <td colspan="2">SIEMENS 808D</td> <td colspan="2">connecting diagram of switches</td> </tr> <tr> <td colspan="2">circuit of operating handwheel</td> <td colspan="2"></td> </tr> </table>					Economical NCLathe		Yunnan CY Group Co., Ltd.		SIEMENS 808D		connecting diagram of switches		circuit of operating handwheel				<table border="1"> <tr> <td colspan="2">Yunnan CY Group Co., Ltd.</td> </tr> </table>		Yunnan CY Group Co., Ltd.																															
Economical NCLathe		Yunnan CY Group Co., Ltd.																																																
SIEMENS 808D		connecting diagram of switches																																																
circuit of operating handwheel																																																		
Yunnan CY Group Co., Ltd.																																																		

register of grafting (general) parts
 total number of old source drawing
 total number of source drawing
 signature
 date

0250	0251	0252	0253	0254	0255	0256	0257	0258	0259
------	------	------	------	------	------	------	------	------	------



A									
B									
C									
D									
E									
F									
G									
H									

design	count	subarea	modified document No.	signature	date	phase marker	weight	scale	connecting diagram of electronic handwheel
design									
drawing						B		1:1	Yunnan CY Group Co., Ltd.
director						Totalling 8 pages, page 7			NPH-18801-SS4E
proofread									

Economical NCLathe

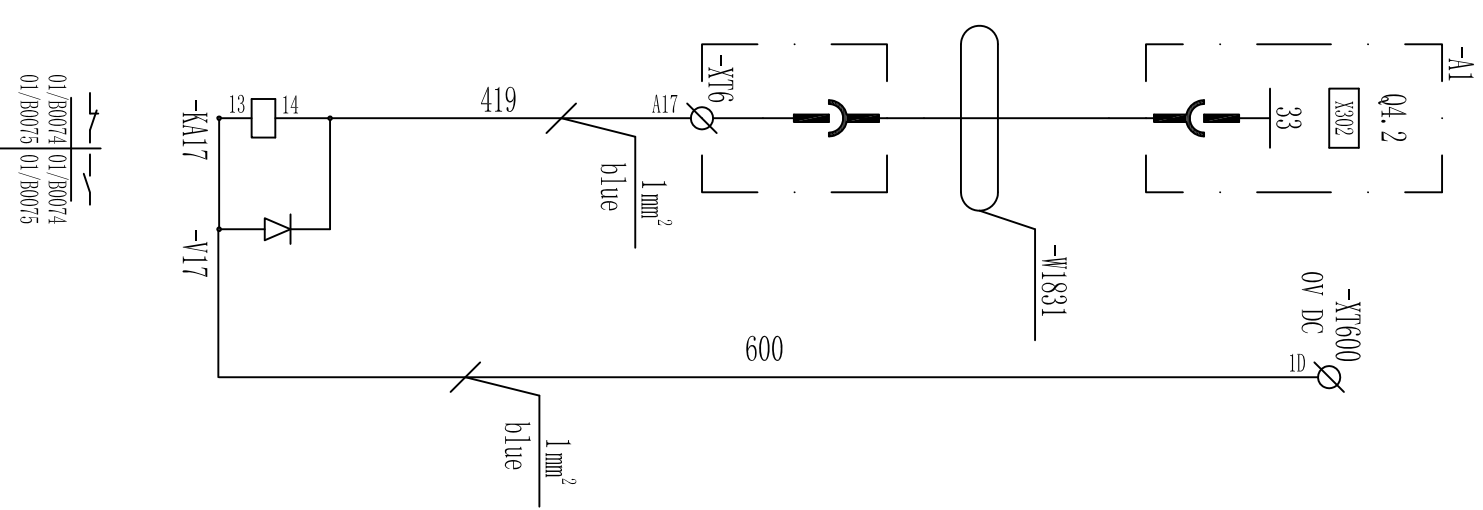
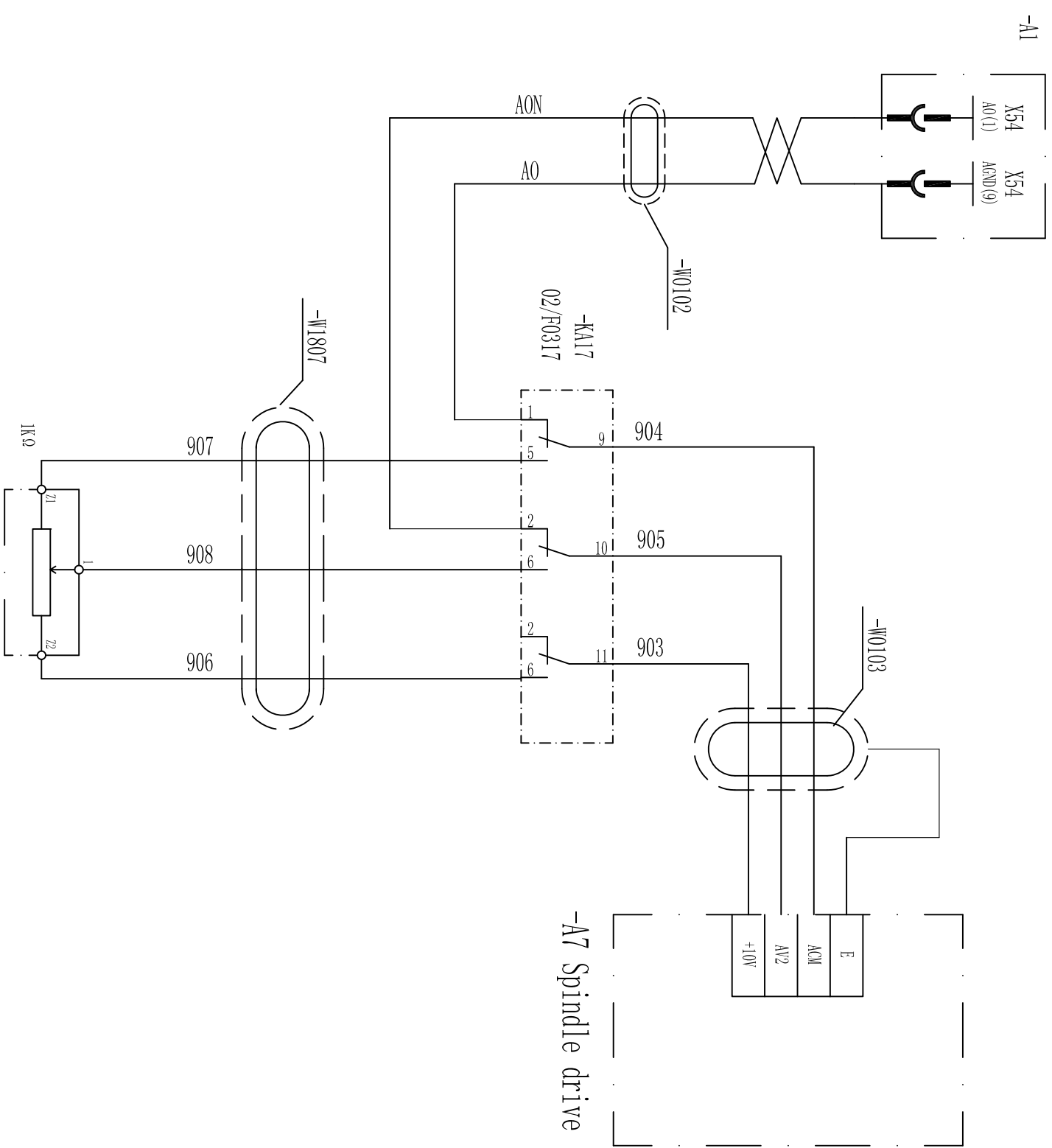
SIEMENS 808D

Yunnan CY Group Co., Ltd.

NPH-18801-SS4E

0250	0251	0252	0253	0254	0255	0256	0257	0258	0259
------	------	------	------	------	------	------	------	------	------

0260	0261	0262	0263	0264	0265	0266	0267	0268	0269
	analog voltage of CNC		potentiometer		spindle drive			analog voltage switching	



01/B0074 01/B0074
01/B0075 01/B0075

Table 1.0 Analog voltage input connection of frequency converter

Frequency converter		Yaskawa	Delta	Sunfar	BBF	CTB	INVT
Terminal		A1	AV1	VC2	VCMD/13	FI	A12
0-10V terminal		AC	ACM	GND	VCMD/INC/14	FC	GND
Common terminal of analog voltage							
+10V power supply terminal		+V	+10V	VS	+15V	FS	+10V

marker	count	subarea	modified document No.	signature	date
design					
drawing					
director					
proofread					

Economical NCLathe	Yunnan CY Group Co., Ltd.	
SIEMENS 808D	analog voltage switching	
phase marker	weight	scale
B		1:1
Totalling 8 pages, page 8		
NPH-18801-SS4E		circuit of operating handwheel

register of grafting (general) parts
total number of old source drawing
total number of source drawing
signature
date

0260	0261	0262	0263	0264	0265	0266	0267	0268	0269
------	------	------	------	------	------	------	------	------	------

0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
	spindle fan	power on control of drive			frequency converter				
					main motor				

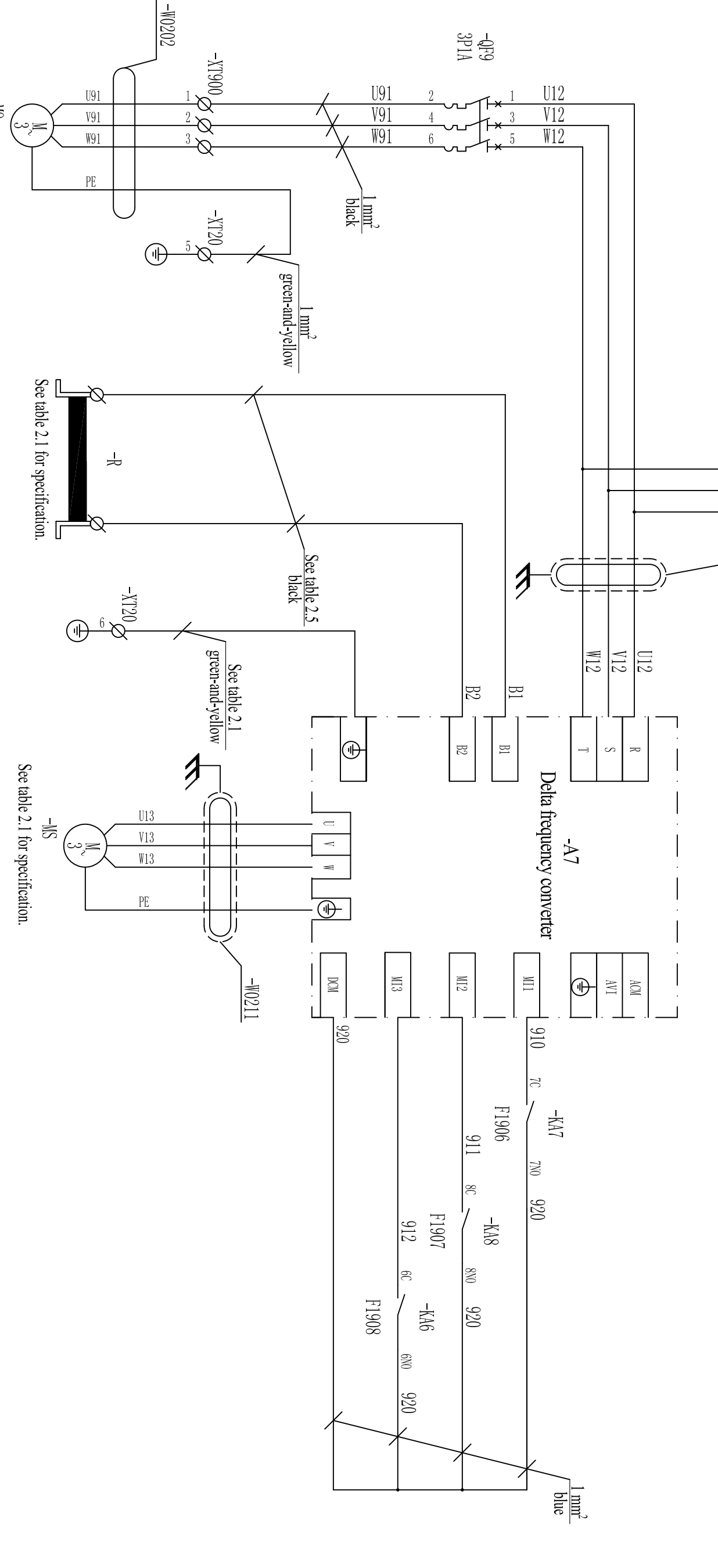
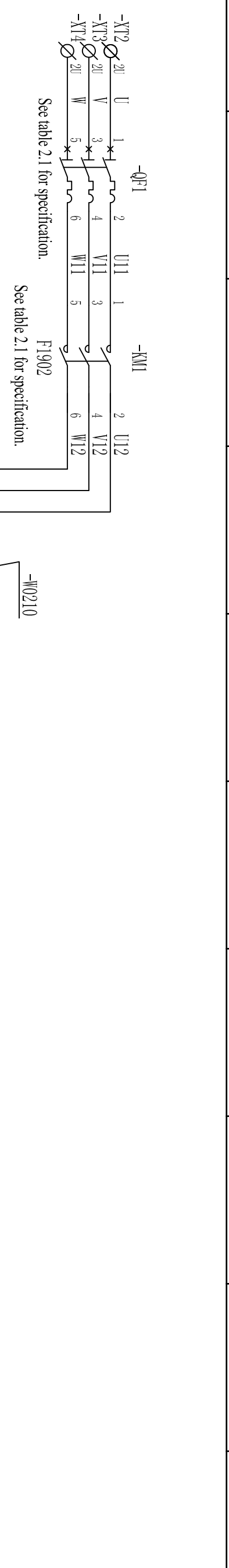


Table 2.1

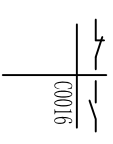
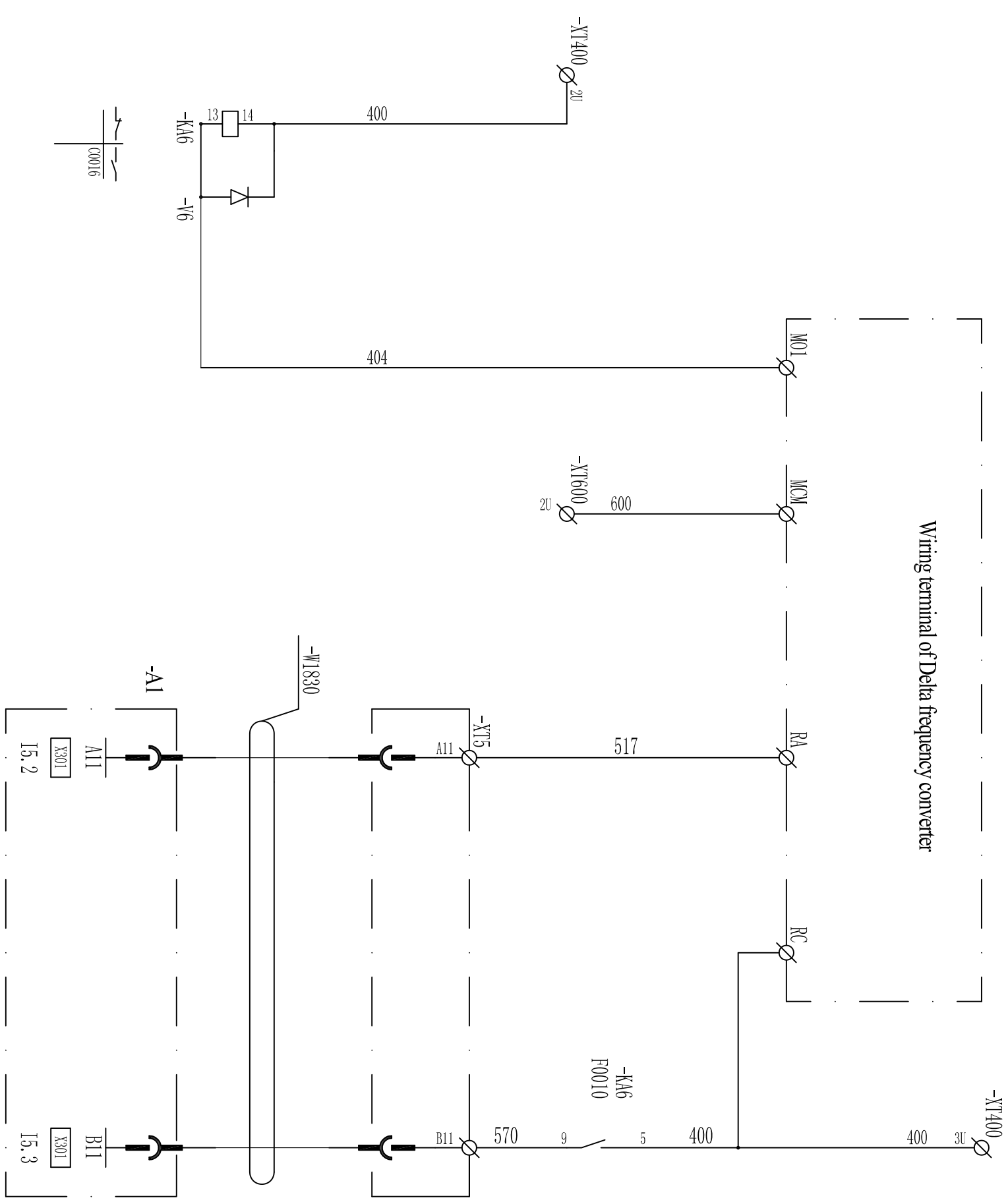
7.5KW	3P 16A	18A	1500W	69Ω	4mm ²	4mm ²
11KW	3P 25A	25A	2000W	53Ω	6mm ²	6mm ²
15KW	3P 32A	32A	4800W	32Ω	6mm ²	6mm ²
Power of frequency converter	-QF1	-KM1	Brake resistance		Cross-section of power-line	Cross-section of the wire for brake resistance

0000	0001	0002	0003	0004	0005	0006	0007	0008	0009

register of grafting (general parts)									
total number of old source drawing									
total number of source drawing									
signature									
date									

Economical NCLathe	Yunnan CY Group Co., Ltd.
SIEMENS 808D	circuit of Delta frequency converter
	circuit of spindle
Totalling 2 pages, page 1	
NPH-18802-SS4E	

0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
	zero speed relay			frequency arrival		zero speed of spindle			



Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

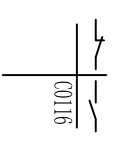
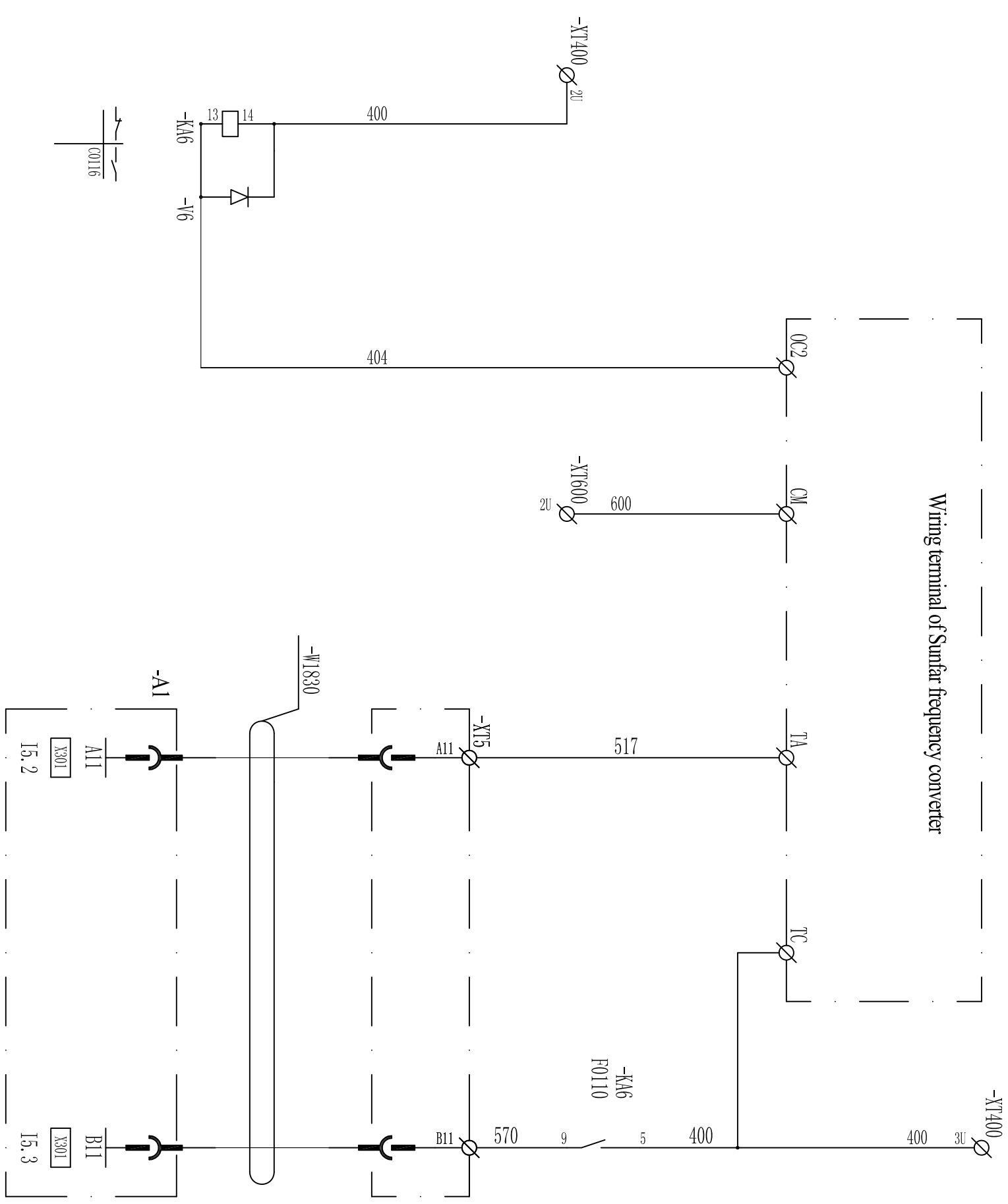
0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
------	------	------	------	------	------	------	------	------	------

Economical NCLathe				Yunnan CY Group Co., Ltd.			
SIEMENS 808D				circuit of Delta frequency converter			
SIEMENS 808D				circuit of spindle			
Totalling 2 pages, page 2				NPH-18802-SS4E			

register of grafting (general) parts
total number of old source drawing
total number of source drawing
signature
date

0110	0111	0112	0113	0114	0115	0116	0117	0118	0119
	zero speed relay			frequency arrival		zero speed of spindle			

Wiring terminal of Sunfar frequency converter



Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

0110	0111	0112	0113	0114	0115	0116	0117	0118	0119
------	------	------	------	------	------	------	------	------	------

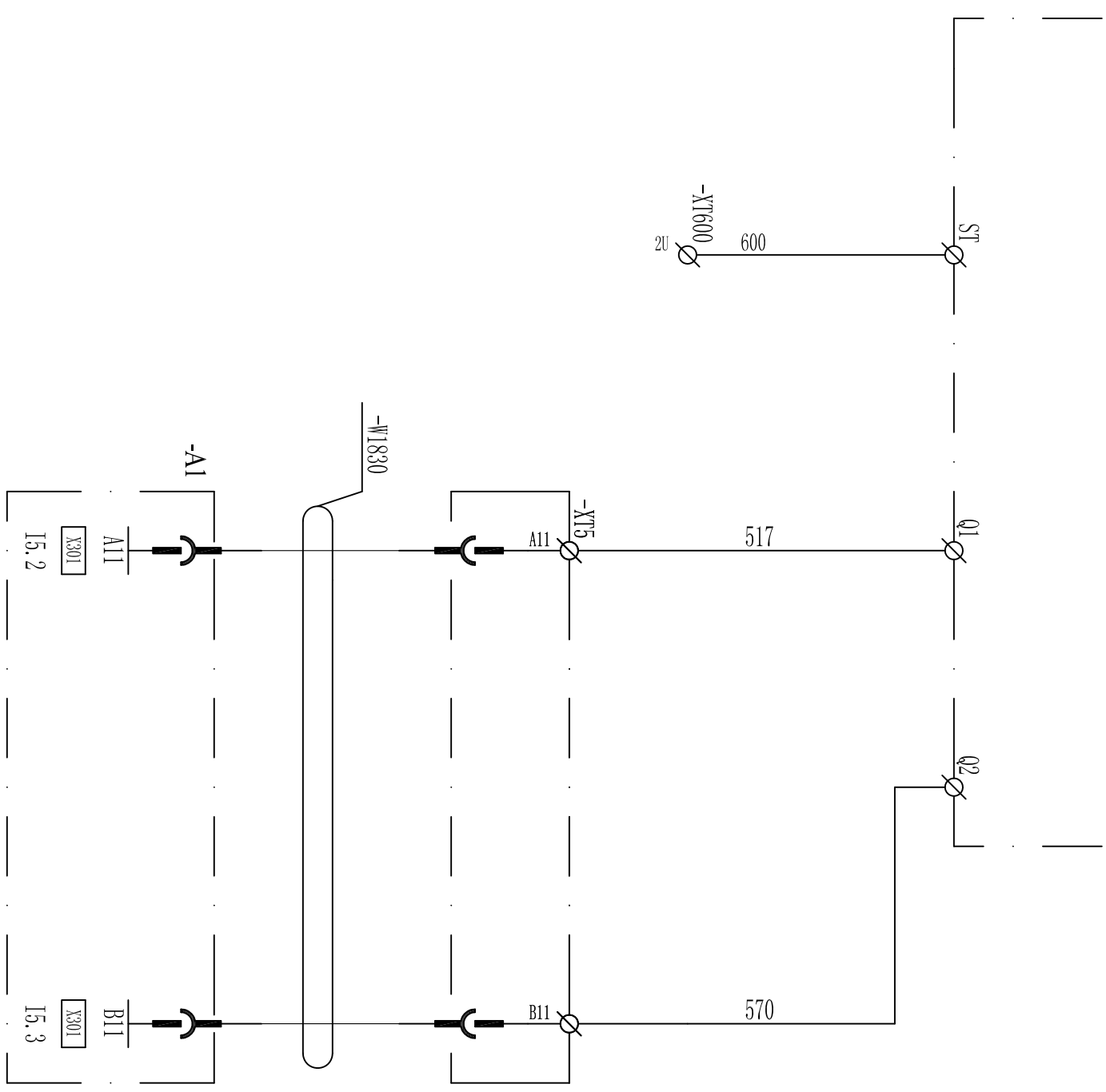
register of grafting (general) parts									
total number of old source drawing									
total number of source drawing									
signature									
date									

Economical NCLathe		Yunnan CY Group Co., Ltd.	
marker	count	subarea	modified document No.
design			technics
drawing			measure
director			standard
proofread			authorize
signature			date

phase marker	weight	scale
B		1:1
Totalling 2 pages, page 2		
NPH-18802-SS4E		

0210	0211	0212	0213	0214	0215	0216	0217	0218	0219
	zero speed relay			frequency arrival		zero speed of spindle			

Wiring terminal of CTB frequency converter



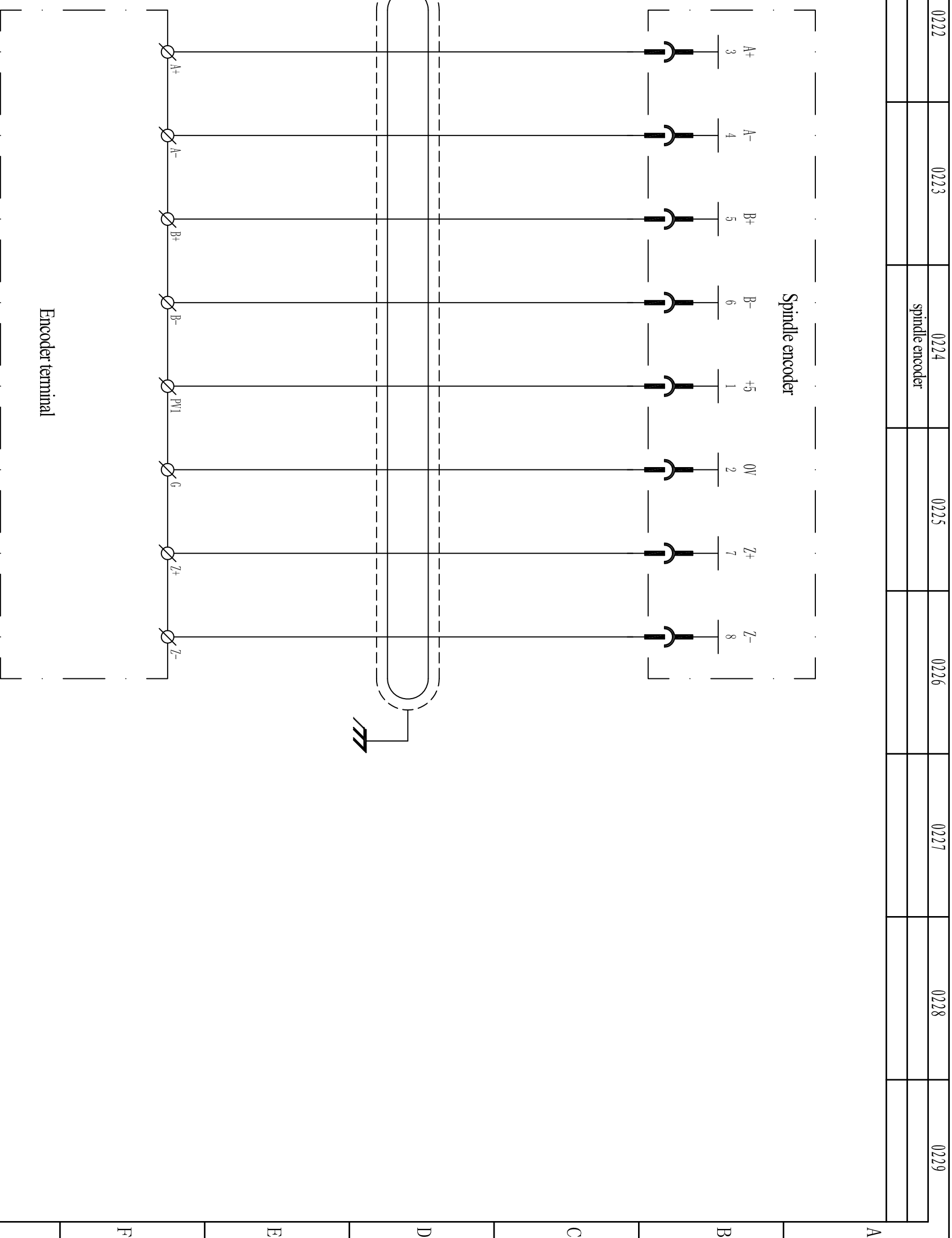
Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

Economicall NCLathe				Yunnan CY Group Co., Ltd.				
SIEMENS 808D				circuit of CTB frequency converter				
SIEMENS 808D				circuit of spindle				
marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale
design						B		1:1
drawing								
director								
proofread								

0210	0211	0212	0213	0214	0215	0216	0217	0218	0219
							Totalling 3 pages, page 2		NPH-18802-SS4E

0220	0221	0222	0223	0224	0225	0226	0227	0228	0229
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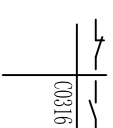
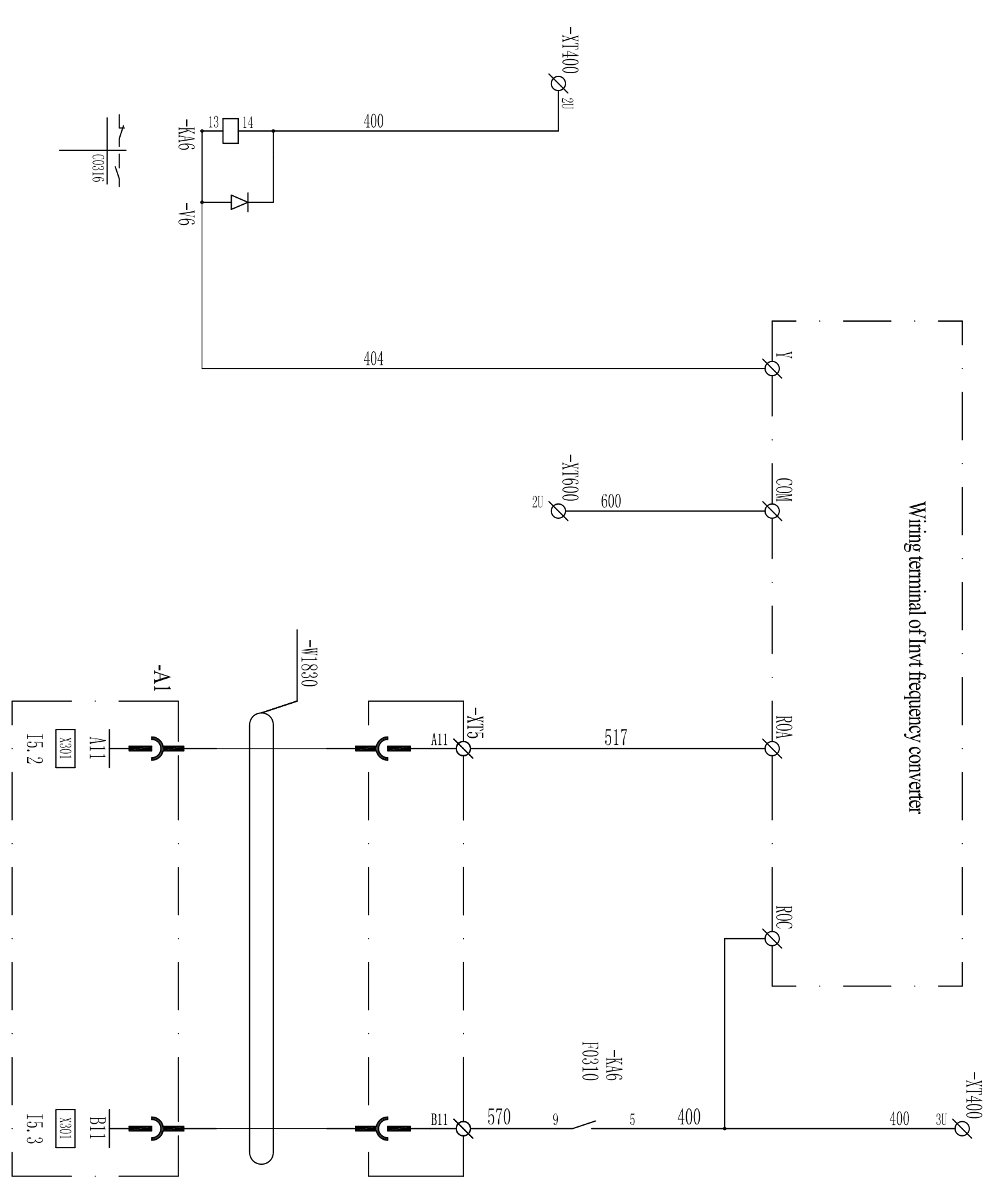
A									
B									
C									
D									
E									
F									
G									
H									



0220	0221	0222	0223	0224	0225	0226	0227	0228	0229																																																
Encoder terminal					<table border="1"> <tr> <th>marker</th> <th>count</th> <th>subarea</th> <th>modified document No.</th> <th>signature</th> <th>date</th> </tr> <tr> <td>design</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>drawing</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>director</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>proofread</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		marker	count	subarea	modified document No.	signature	date	design						drawing						director						proofread						<table border="1"> <tr> <td>Economical NCLathe</td> <td>Yunnan CY Group Co., Ltd.</td> </tr> <tr> <td>SIEMENS 808D</td> <td>circuit of CTB frequency converter</td> </tr> <tr> <td>phase marker</td> <td>circuit of spindle</td> </tr> <tr> <td>B</td> <td></td> </tr> <tr> <td>weight</td> <td></td> </tr> <tr> <td>scale</td> <td>1:1</td> </tr> <tr> <td colspan="2">Totalling 3 pages, page 3</td> </tr> <tr> <td>NPH-18802-SS4E</td> <td></td> </tr> </table>		Economical NCLathe	Yunnan CY Group Co., Ltd.	SIEMENS 808D	circuit of CTB frequency converter	phase marker	circuit of spindle	B		weight		scale	1:1	Totalling 3 pages, page 3		NPH-18802-SS4E		0227	0228	0229
marker	count	subarea	modified document No.	signature	date																																																				
design																																																									
drawing																																																									
director																																																									
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NPH-18802-SS4E																																																									

0220	0221	0222	0223	0224	0225	0226	0227	0228	0229
------	------	------	------	------	------	------	------	------	------

0310	0311	0312	0313	0314	0315	0316	0317	0318	0319
	zero speed relay			frequency arrival		zero speed of spindle			



Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

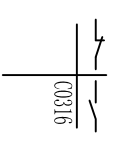
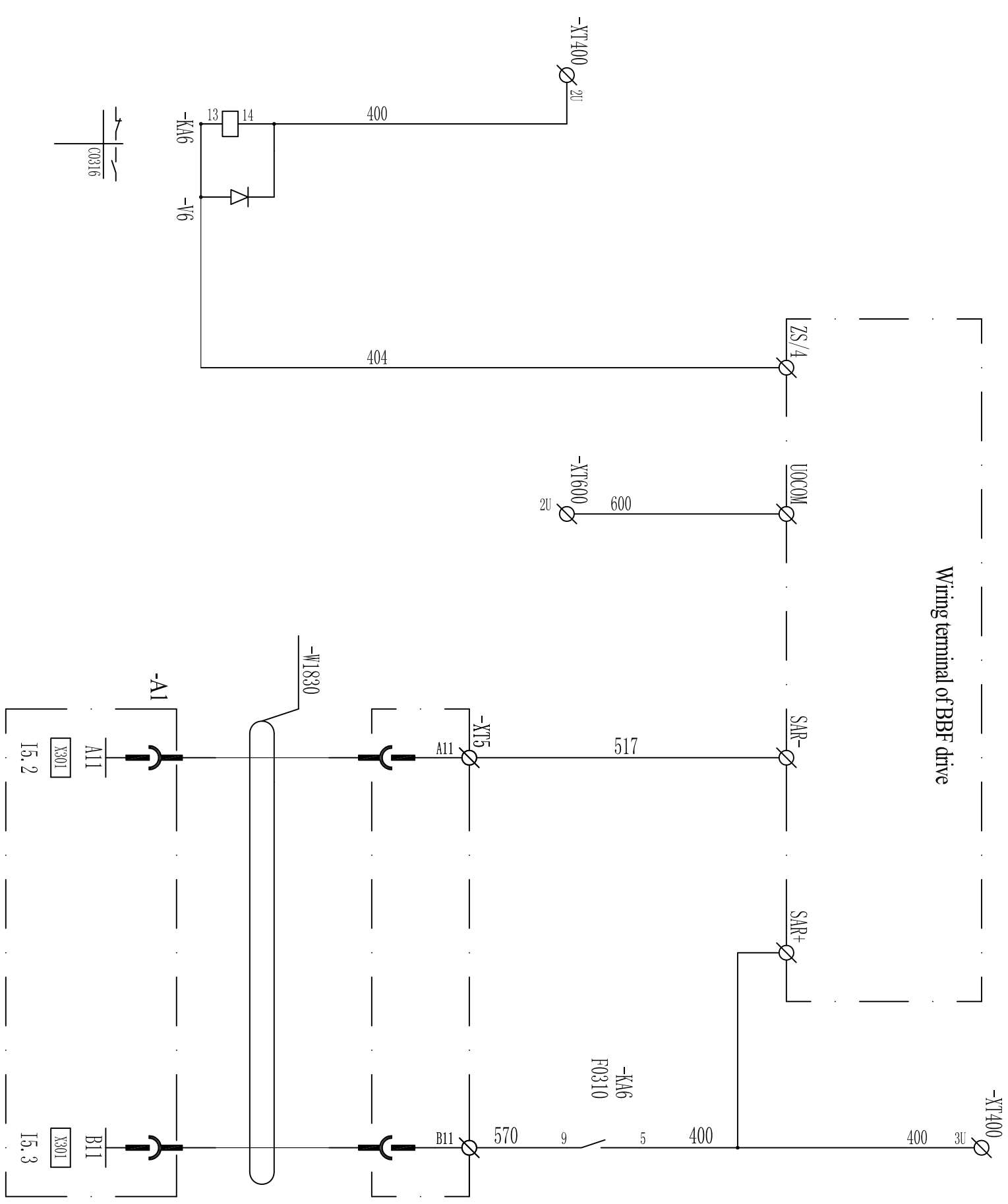
0310	0311	0312	0313	0314	0315	0316	0317	0318	0319
------	------	------	------	------	------	------	------	------	------

Economical NCLathe		Yunnan CY Group Co., Ltd.	
SIEMENS 808D		circuit of Invt frequency converter	
phase marker		circuit of spindle	
weight		scale	
B		1:1	
Totalling 2 pages, page 2		NPH-18802-SS4E	

register of grafting (general) parts	
total number of old source drawing	
total number of source drawing	
signature	
date	

0410	0411	0412	0413	0414	0415	0416	0417	0418	0419
	zero speed relay			frequency arrival		zero speed of spindle			

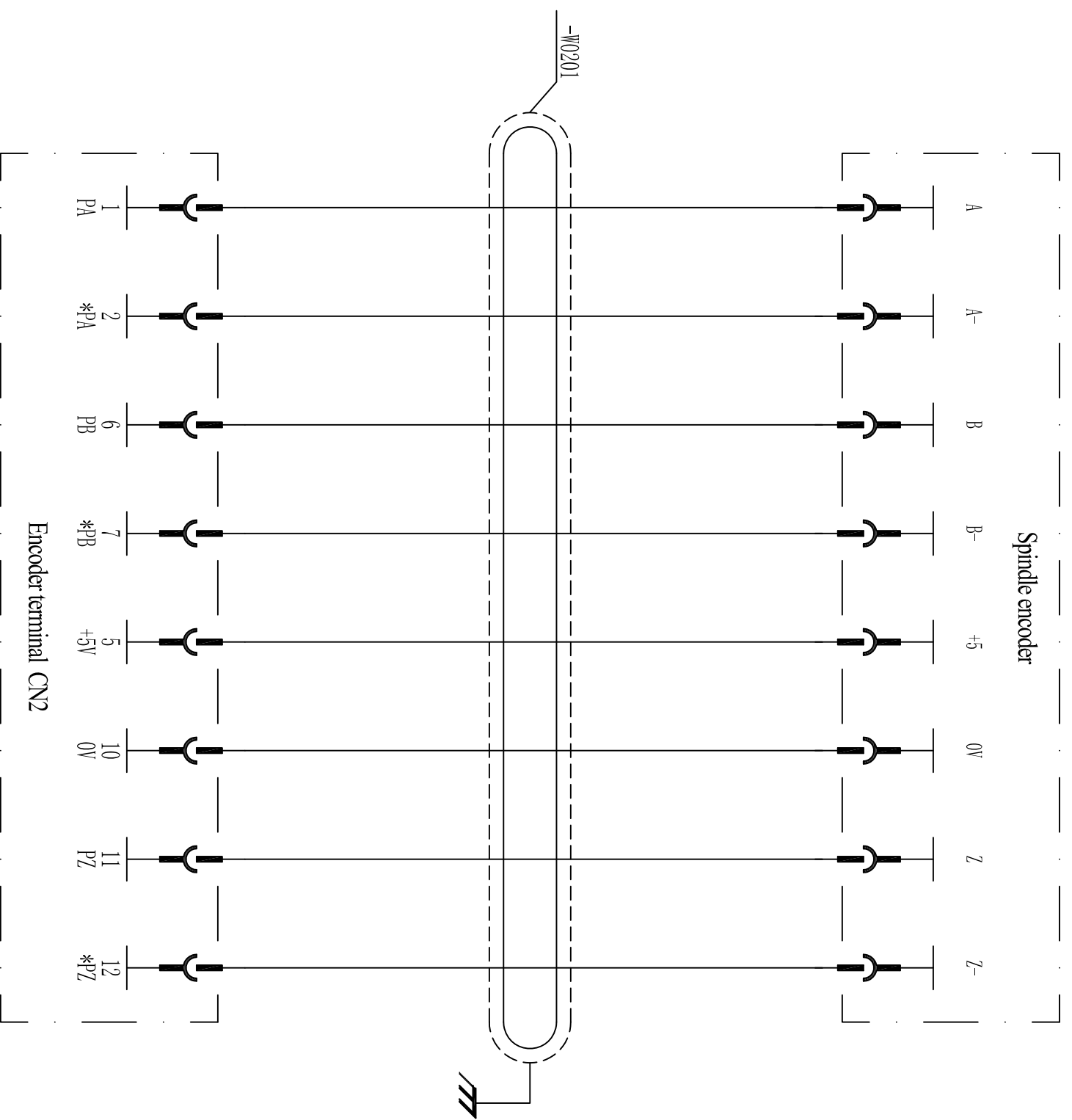
Wiring terminal of BBF drive



Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

0410	0411	0412	0413	0414	0415	0416	0417	0418	0419		
register of grafting (general) parts				total number of old source drawing		total number of source drawing		signature		date	
Economicall NCLathe				SIEMENS 808D		Yunnan CY Group Co., Ltd.		circuit of BBF spindle drive		circuit of spindle	
marker				count		subarea		modified document No.		signature	
design				drawing		technics		measure		standard	
director				proofread		authorize		date		phase marker	
Totalling 3 pages, page 2				B		1:1		NPH-18802-SS4E			

0420	0421	0422	0423	0424	0425	0426	0427	0428	0429
				spindle encoder					



register of grafting (general) parts		total number of old source drawing		total number of source drawing		signature		date	
G		F		E		D		C	
B		A		H		0420		0421	

Economical NCLathe				Yunnan CY Group Co., Ltd.					
SIEMENS 808D				circuit of BBF spindle drive					
marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale	circuit of spindle
design						B		1:1	
drawing									
director									
proofread									
Totalling 3 pages, page 3				NPH-18802-SS4E		0425		0426	
0420				0421		0422		0423	
0424				0425		0426		0427	
0428				0429		0420		0421	

0500	0501	0502	0503	0504	0505	0506	0507	0508	0509
	spindle fan	power on control of drive				spindle drive main motor			

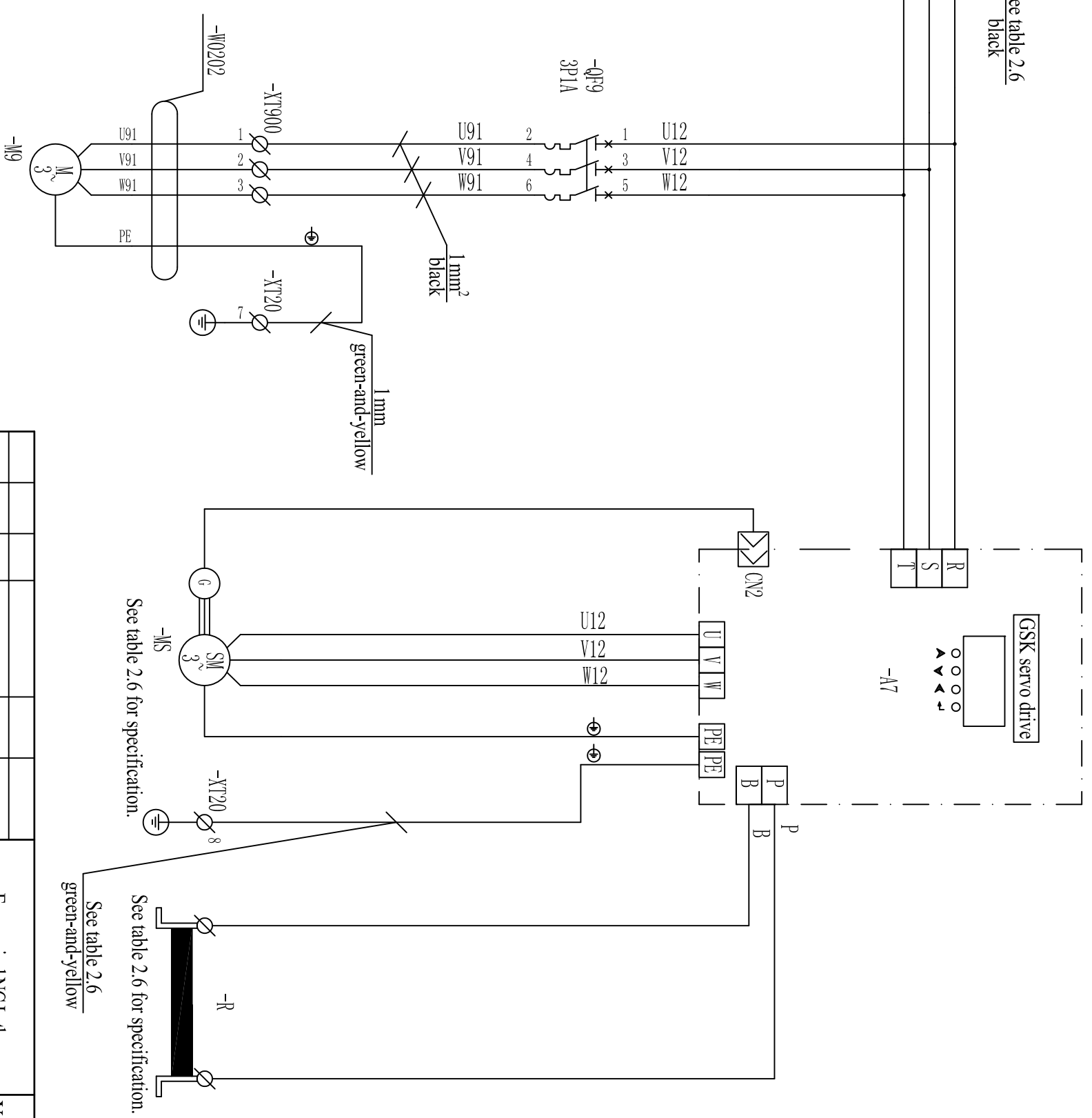
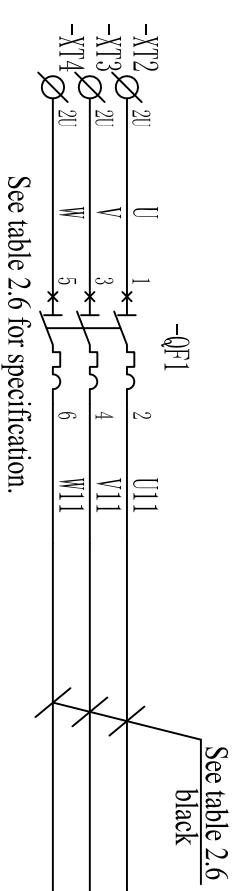


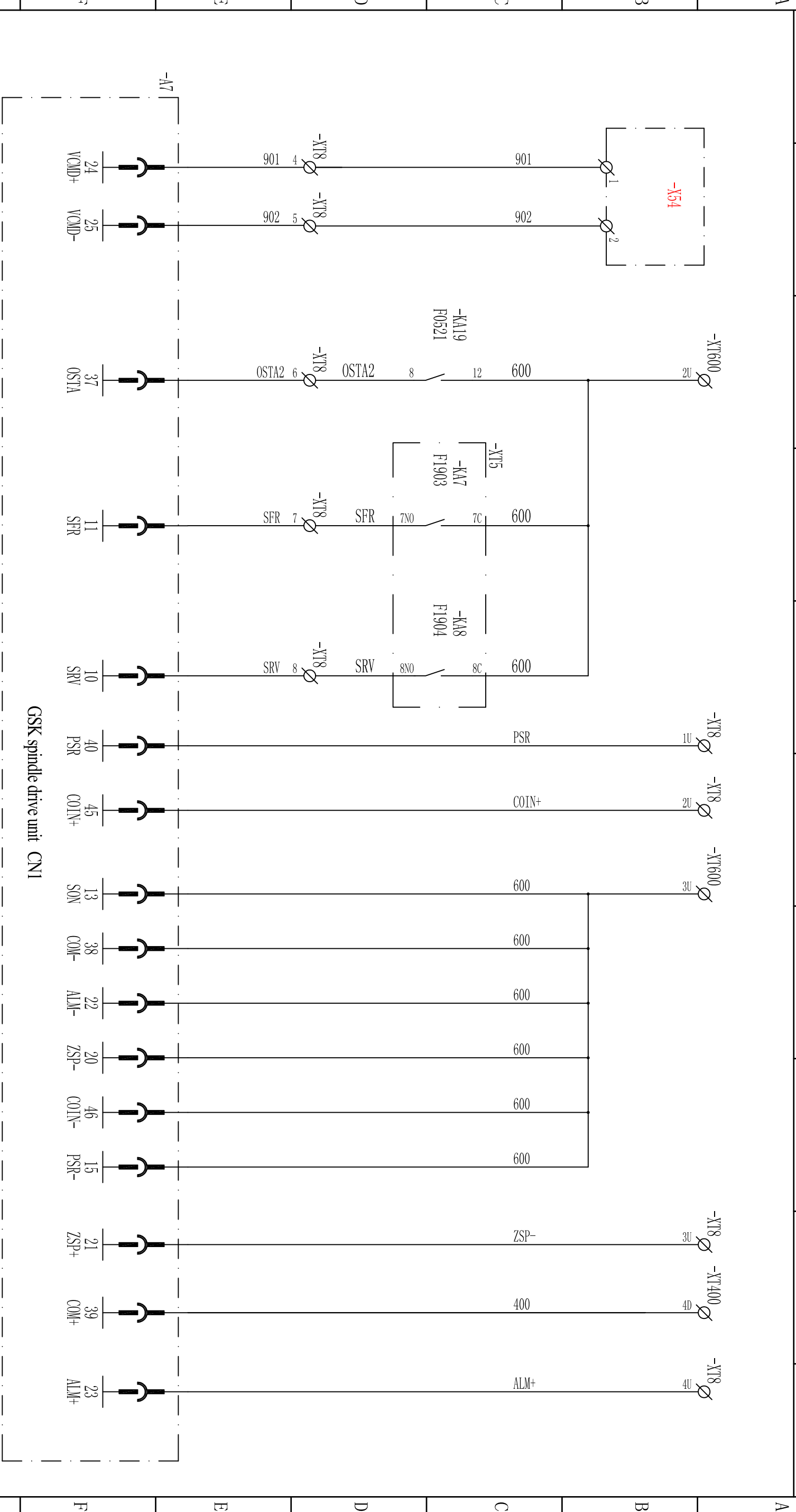
Table 2.6

5.5KW	3P 16A	500W 33 Ω	2.5mm ²	2.5mm ²
7.5KW	3P 20A	1500W 27 Ω	4mm ²	4mm ²
11KW	3P 25A	1500W 27 Ω	6mm ²	6mm ²

Power of frequency converter	-QF1	Brake resistance	Cross-section of power-line	Cross-section of the wire for brake resistance
0500	0501	0502	0503	0504

marker		count	subarea	modified document No.	signature	date	Economical NCLathe		Yunnan CY Group Co., Ltd.	
design	drawing						SIEMENS 808D		circuit of GSK servo spindle	
director	proofread						phase marker	weight	scale	circuit of spindle
							B		1:1	
Totalling 3 pages, page 1							0507	0508	0509	NPH-18802-SS4E

0510	0511	0512	0513	0514	0515	0516	0517	0518	0519
	analog voltage input	spindle orientation	spindle forward	spindle reverse	frequency reaching	completion of orientation	0V	zero speed +24V	spindle alarm

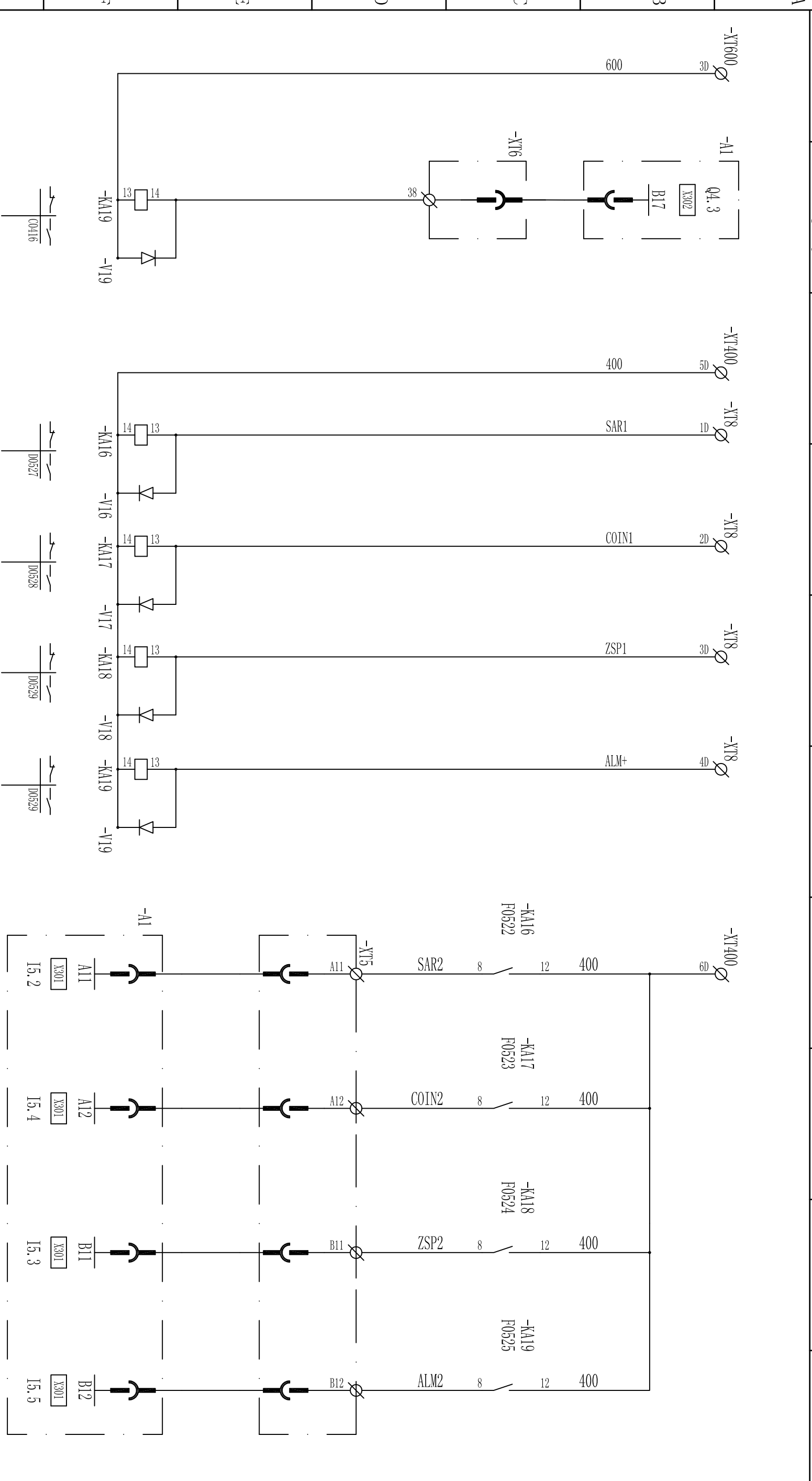


GSK spindle drive unit CN1

Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

register of grating (general) parts																																																
total number of old source drawing																																																
total number of source drawing																																																
signature																																																
date																																																
0510	0511	0512	0513	0514	0515	0516	0517	0518	0519																																							
					<table border="1"> <tr> <th>marker</th> <th>count</th> <th>subarea</th> <th>modified document No.</th> <th>signature</th> <th>date</th> </tr> <tr> <td>design</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>drawing</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>director</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>proofread</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		marker	count	subarea	modified document No.	signature	date	design						drawing						director						proofread						<table border="1"> <tr> <th>phase marker</th> <th>weight</th> <th>scale</th> </tr> <tr> <td>B</td> <td></td> <td>1:1</td> </tr> </table>		phase marker	weight	scale	B		1:1	<table border="1"> <tr> <td>Totalling 3 pages, page 2</td> <td>NPH-18802-SS4E</td> </tr> </table>		Totalling 3 pages, page 2	NPH-18802-SS4E
marker	count	subarea	modified document No.	signature	date																																											
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drawing																																																
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proofread																																																
phase marker	weight	scale																																														
B		1:1																																														
Totalling 3 pages, page 2	NPH-18802-SS4E																																															
Economical NCLathe					Yunnan CY Group Co., Ltd.																																											
SIEMENS 808D					circuit of GSK servo spindle																																											
					circuit of spindle																																											

0520	0521	0522	0523	0524	0525	0526	0527	0528	0529
	spindle orientation PLC output signal	relay for frequency reaching	relay for completion of orientation	relay for zero speed	spindle alarm	frequency reaching	completion of orientation	zero speed	spindle alarm



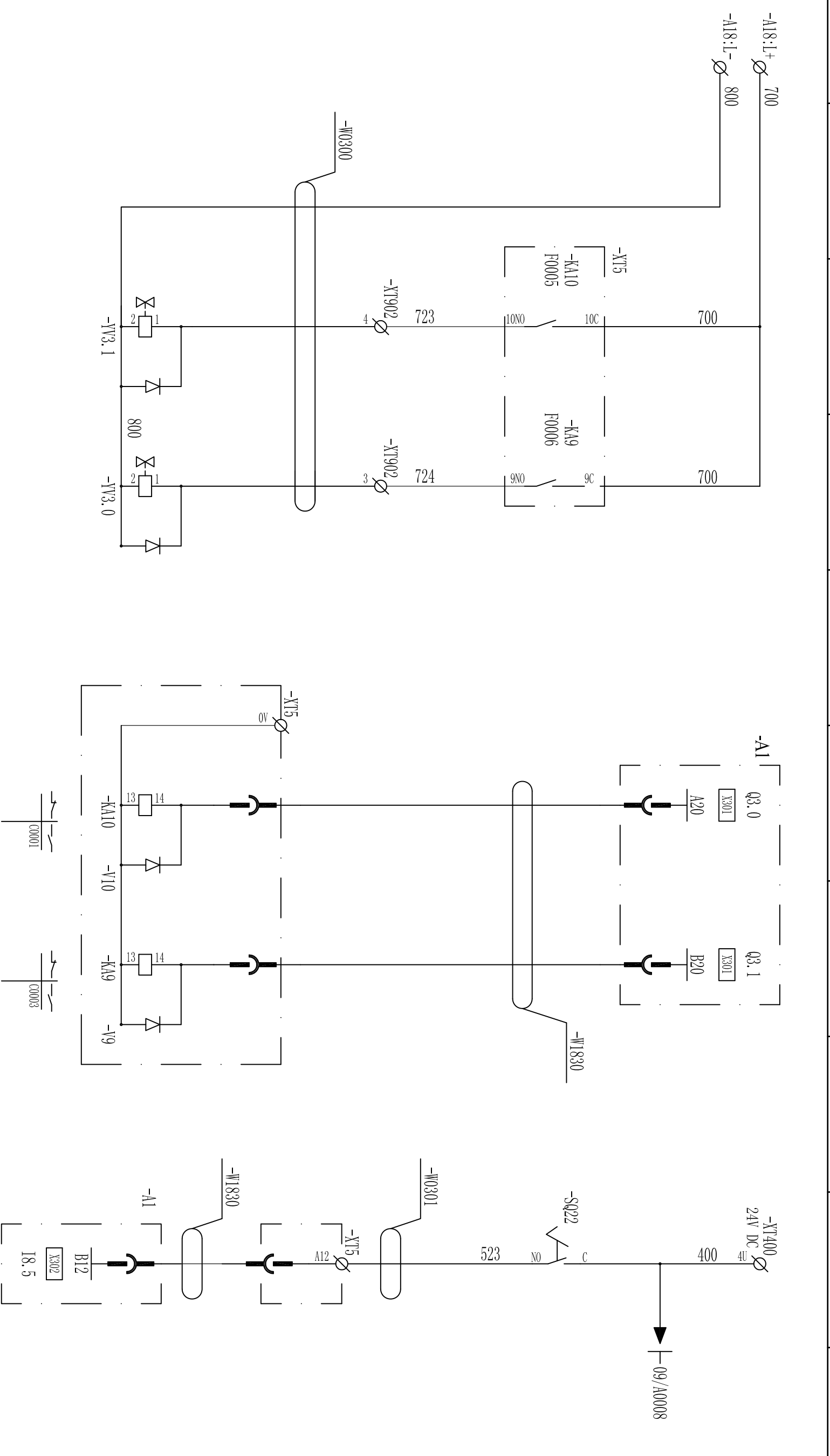
Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

register of grating (general) parts										
total number of old source drawing										
total number of source drawing										
signature										
date										
	0520	0521	0522	0523	0524	0525	0526	0527	0528	0529

marker	count	subarea	modified document No.	signature	date
design					
drawing					
director					
proofread					

Economical NCLathe			Yunnan CY Group Co., Ltd.		
SIEMENS 808D			circuit of GSK servo spindle		
phase marker	weight	scale	circuit of spindle		
B		1:1	Totalling 3 pages, page 3		
NPH-18802-SS4E					

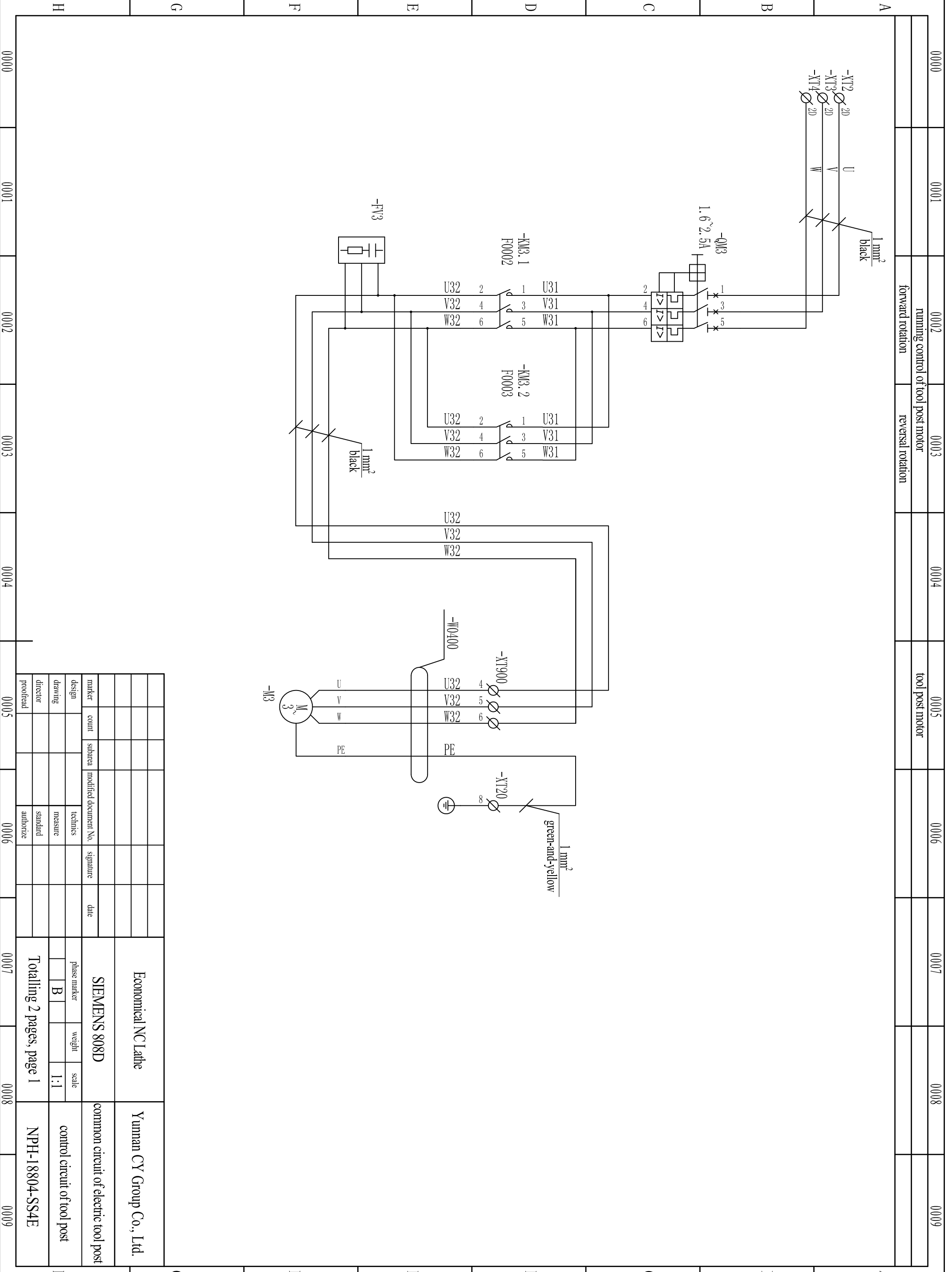
0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
		retracting of tailstock sleeve	extending of tailstock sleeve		PLC output signal	retracting of tailstock sleeve		foot switch for tailstock	



Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

register of grafting (general) parts	G																																																		
total number of old source drawing																																																			
total number of source drawing																																																			
signature	H																																																		
date																																																			
0000	0001	0002	0003	0004	0005	0006	0007	0008	0009																																										
				<table border="1"> <tr> <th>marker</th> <th>count</th> <th>subarea</th> <th>modified document No.</th> <th>signature</th> <th>date</th> </tr> <tr> <td>design</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>drawing</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>director</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>proofread</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		marker	count	subarea	modified document No.	signature	date	design						drawing						director						proofread						<table border="1"> <tr> <th>phase marker</th> <th>weight</th> <th>scale</th> </tr> <tr> <td>B</td> <td></td> <td>1:1</td> </tr> </table>		phase marker	weight	scale	B		1:1	<table border="1"> <tr> <td colspan="2">Totalling 1 page</td> </tr> </table>		Totalling 1 page		<table border="1"> <tr> <td colspan="2">NPH-18803-SS4E</td> </tr> </table>		NPH-18803-SS4E	
marker	count	subarea	modified document No.	signature	date																																														
design																																																			
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proofread																																																			
phase marker	weight	scale																																																	
B		1:1																																																	
Totalling 1 page																																																			
NPH-18803-SS4E																																																			
Economical NCLathe				SIEMENS 808D		Yunnan CY Group Co., Ltd.		circuit of hydraulic tailstock																																											
								circuit of tailstock																																											

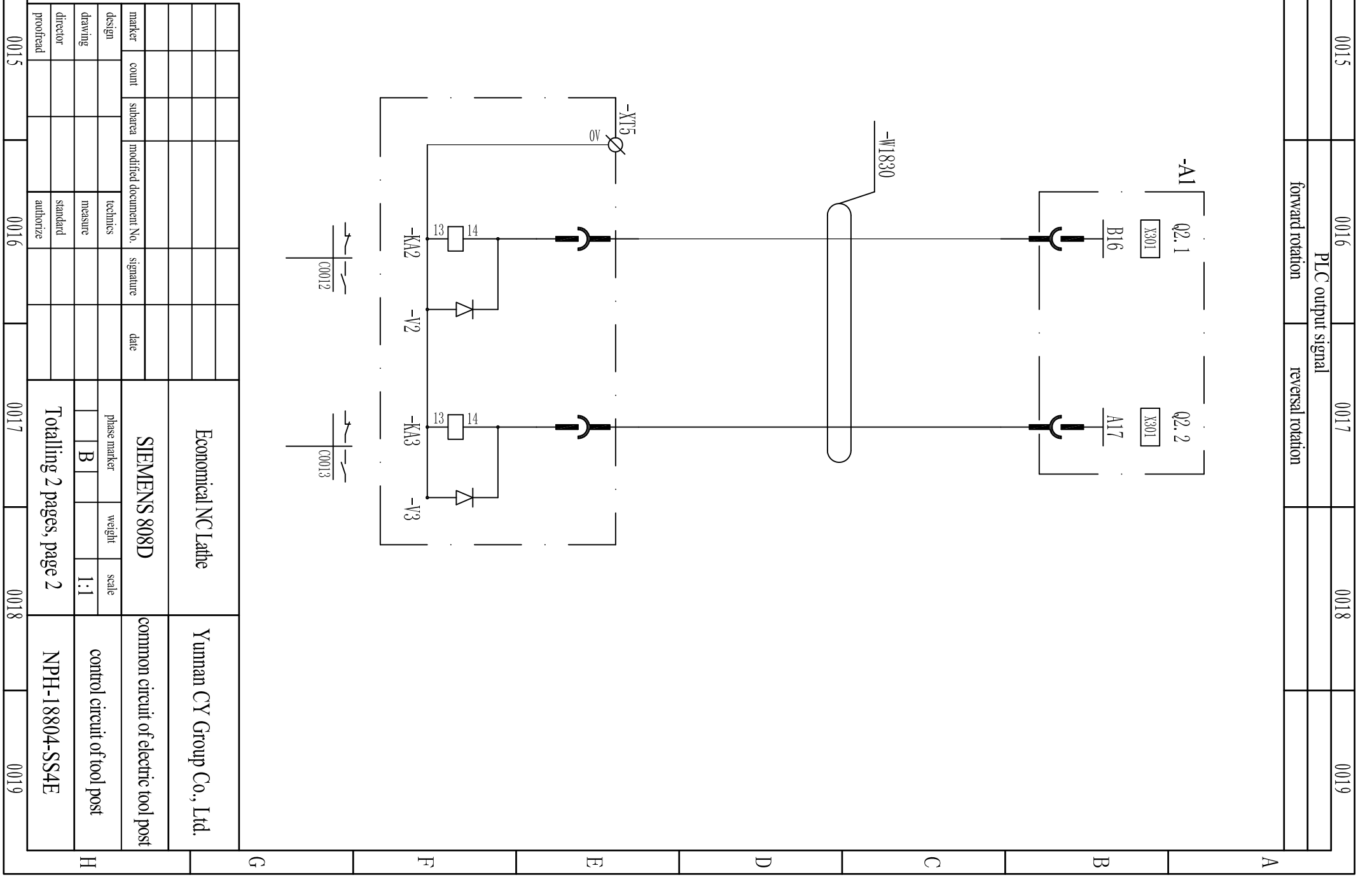
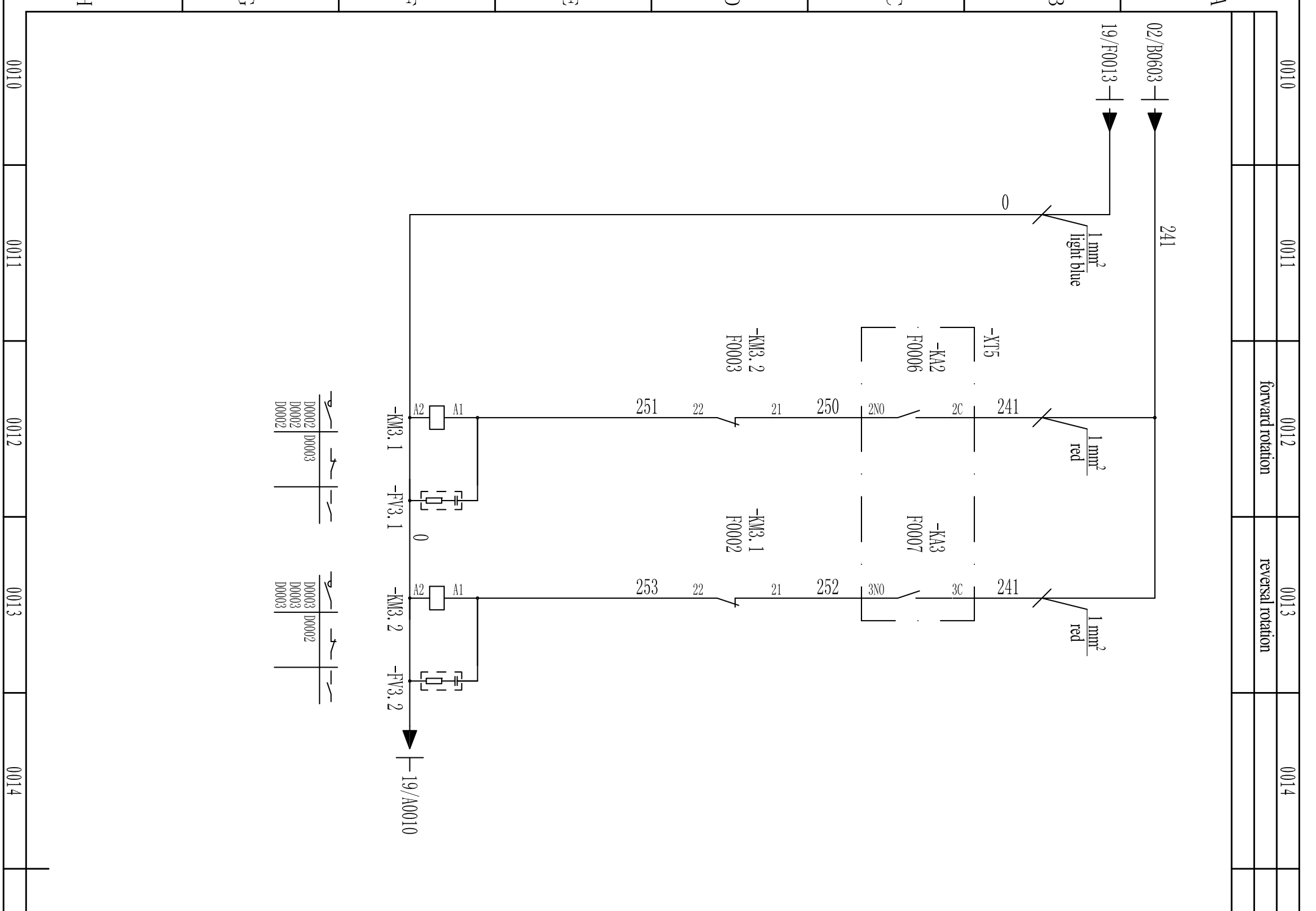
0000 0001 0002 0003 0004 0005 0006 0007 0008 0009



0000 0001 0002 0003 0004 0005 0006 0007 0008 0009

Economicall NCLathe		Yunnan CY Group Co., Ltd.	
SIEMENS 808D		common circuit of electric tool post	
marker	count	subarea	modified document No.
design			signature
drawing			date
director			technics
proofread			measure
			standard
			authorize
Totalling 2 pages, page 1		control circuit of tool post	
NPH-18804-SS4E			

0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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register of grafting (general) parts

total number of old source drawing

total number of source drawing

signature

date

0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
0010	0011	0012	0013	0014	0015	0016	0017	0018	0019

Economical NCLathe

Yunnan CY Group Co., Ltd.

SIEMENS 808D

common circuit of electric tool post

control circuit of tool post

NPH-18804-SS4E

phase marker

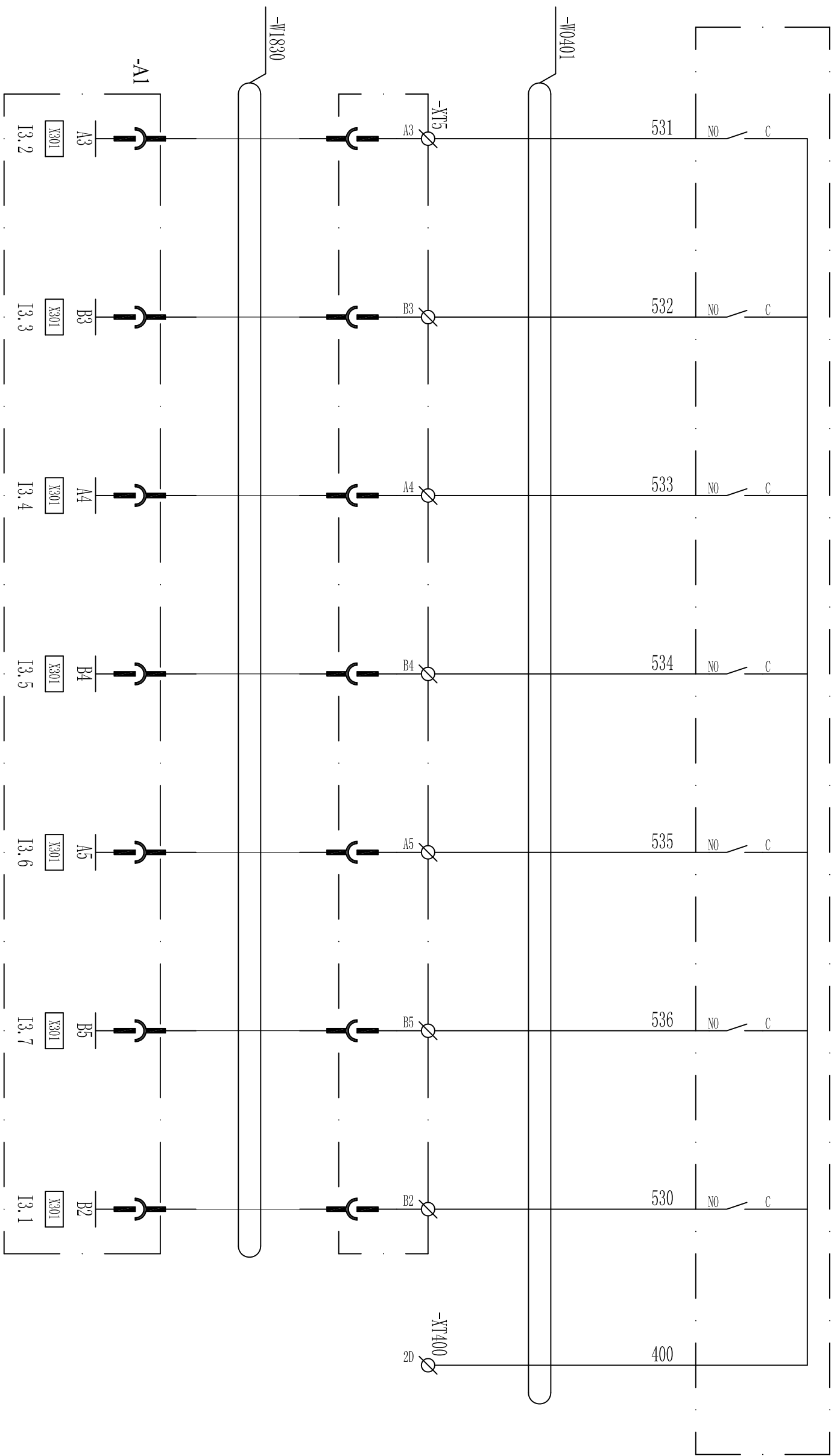
weight

scale

1:1

Totalling 2 pages, page 2

0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
	tool position detection T1	tool position detection T2	tool position detection T3	tool position detection T4	tool position detection T5	tool position detection T6	locking signal		



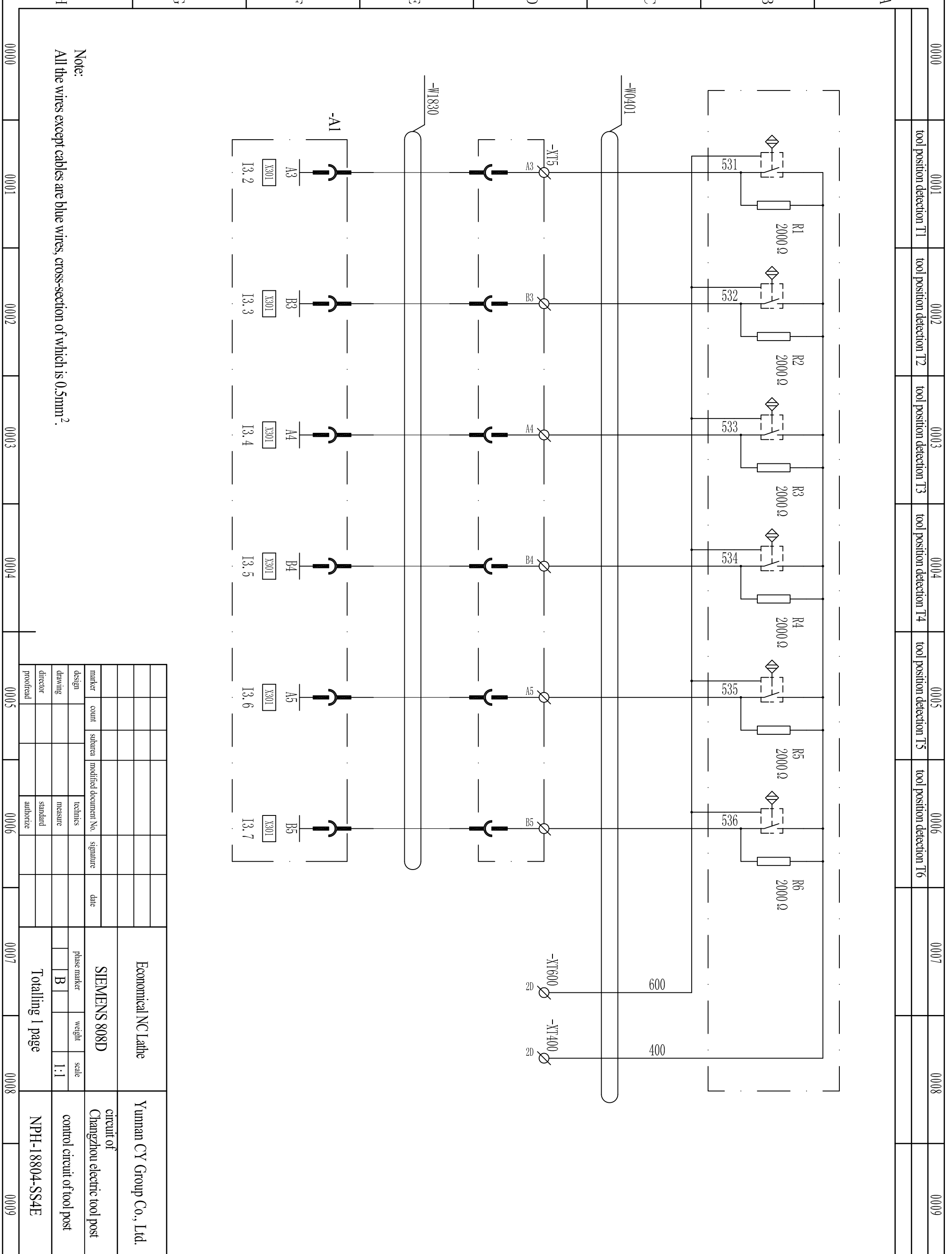
Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
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Economical NCLathe				Yunnan CY Group Co., Ltd.					
SIEMENS 808D				circuit of Jingcheng electric tool post					
marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale	control circuit of tool post
design						B		1:1	NPH-18804-SS4E
drawing									
director									
proofread									

register of grafting (general) parts
total number of old source drawing
total number of source drawing
signature
date

0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
	tool position detection T1	tool position detection T2	tool position detection T3	tool position detection T4	tool position detection T5	tool position detection T6			

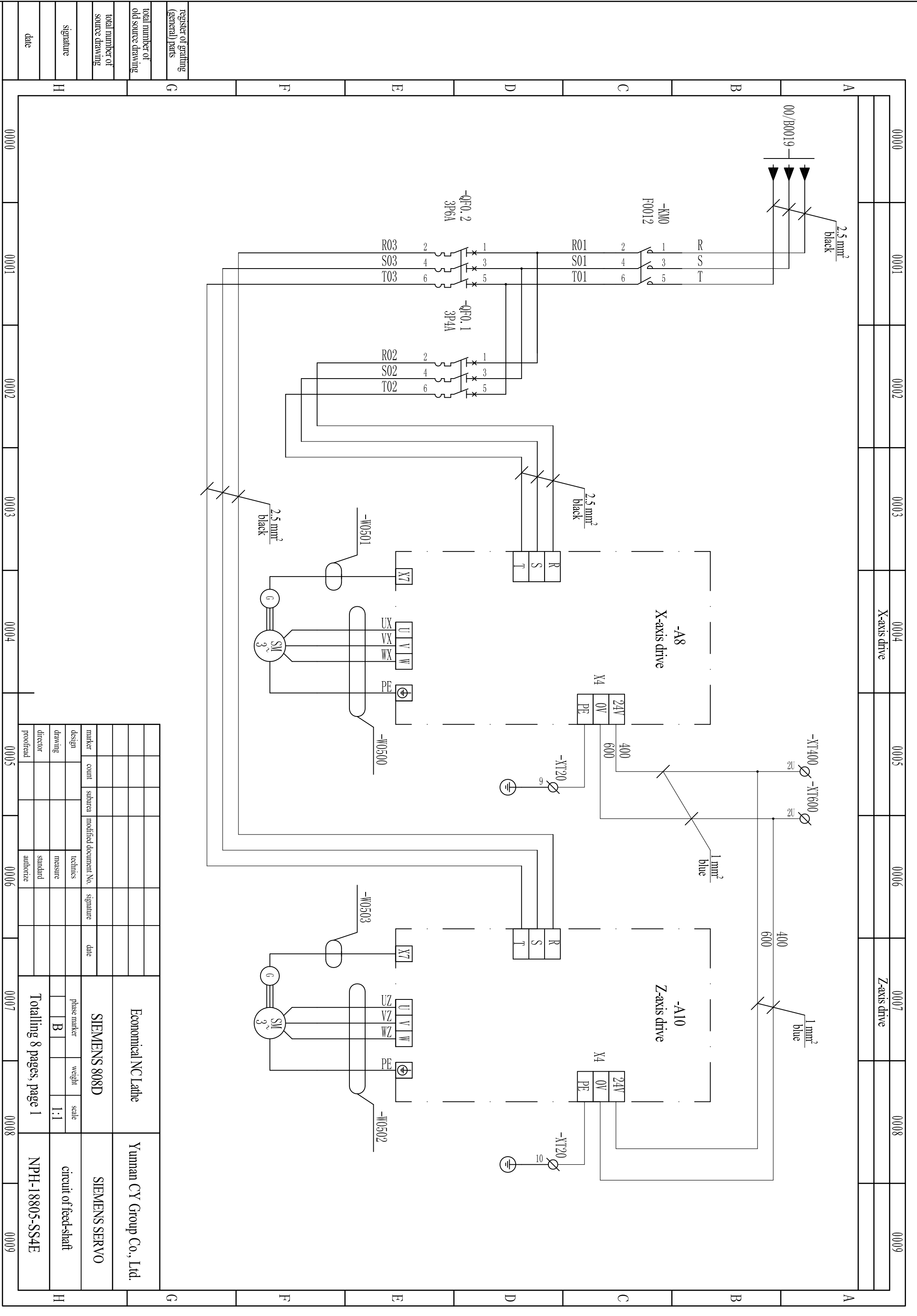


0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
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Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

Economicall NCLathe				Yunnan CY Group Co., Ltd.					
SIEMENS 808D				circuit of Changzhou electric tool post					
design	count	subarea	modified document No.	signature	date	phase marker	weight	scale	control circuit of tool post
marker						B		1:1	NPH-18804-SS4E
drawing									
director									
proofread									

0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
Totalling 1 page									



0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
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0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
				X-axis drive			Z-axis drive		

0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
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total number of old source drawing	total number of source drawing	signature	date

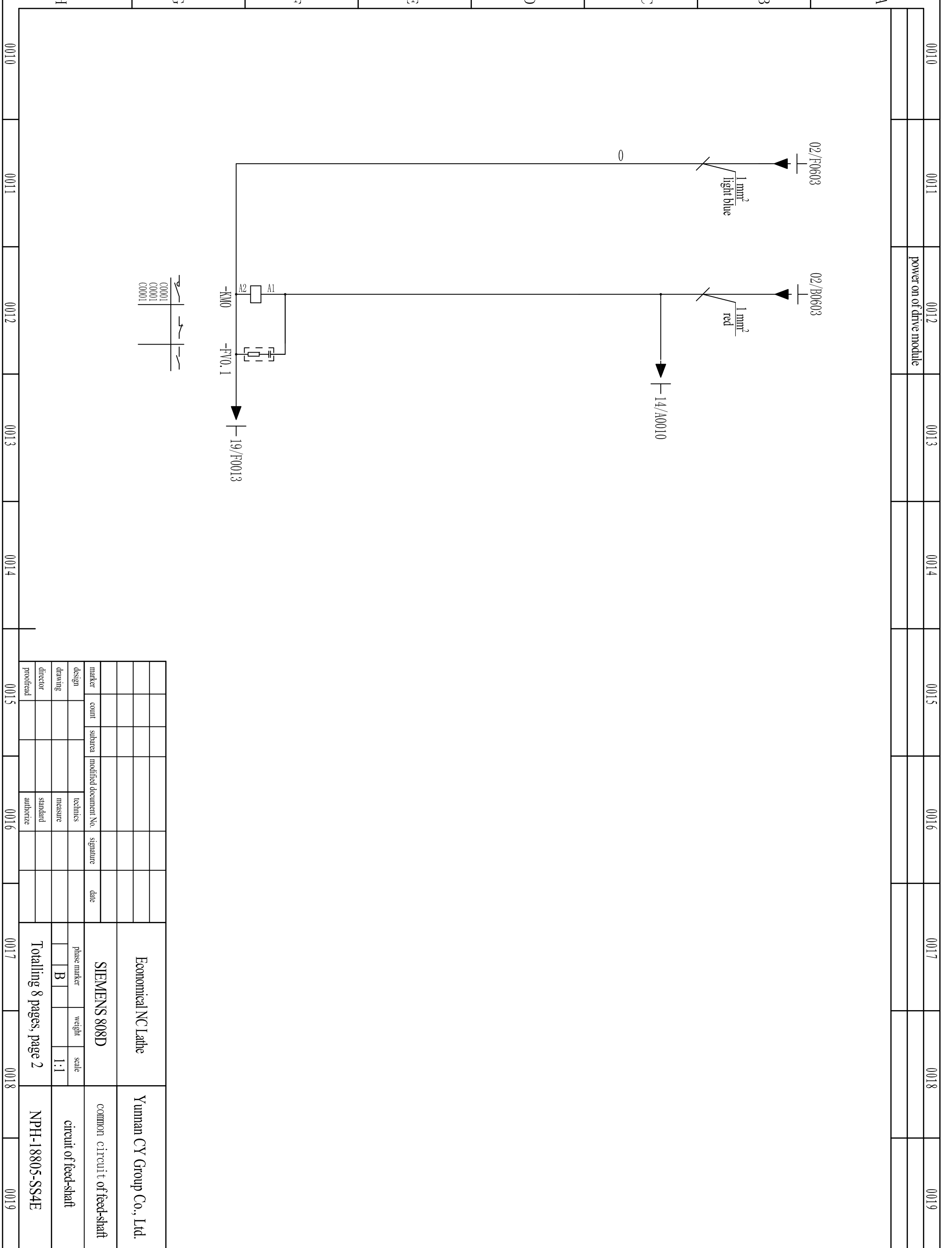
register of grafting (general) parts	
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Economical NCLathe	Yunnan CY Group Co., Ltd.	
SIEMENS 808D	SIEMENS SERVO	
phase marker	weight	scale
B		1:1
Totalling 8 pages, page 1		
NPH-18805-SS4E		

marker	count	subarea	modified document No.	signature	date
design					
drawing					
director					
proofread					

total number of old source drawing	total number of source drawing	signature	date

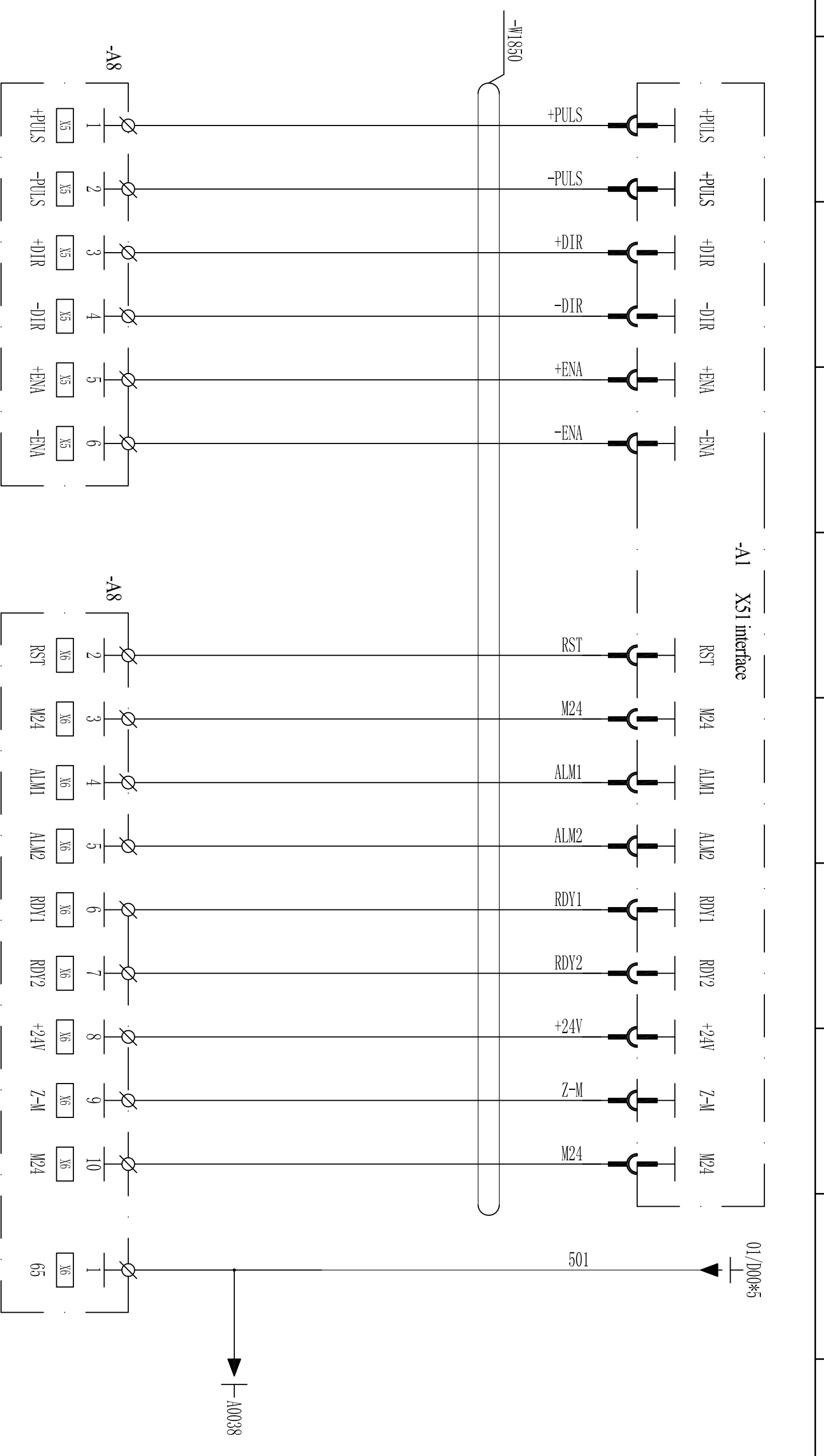
0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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□	□	□
C0001	C0001	C0001

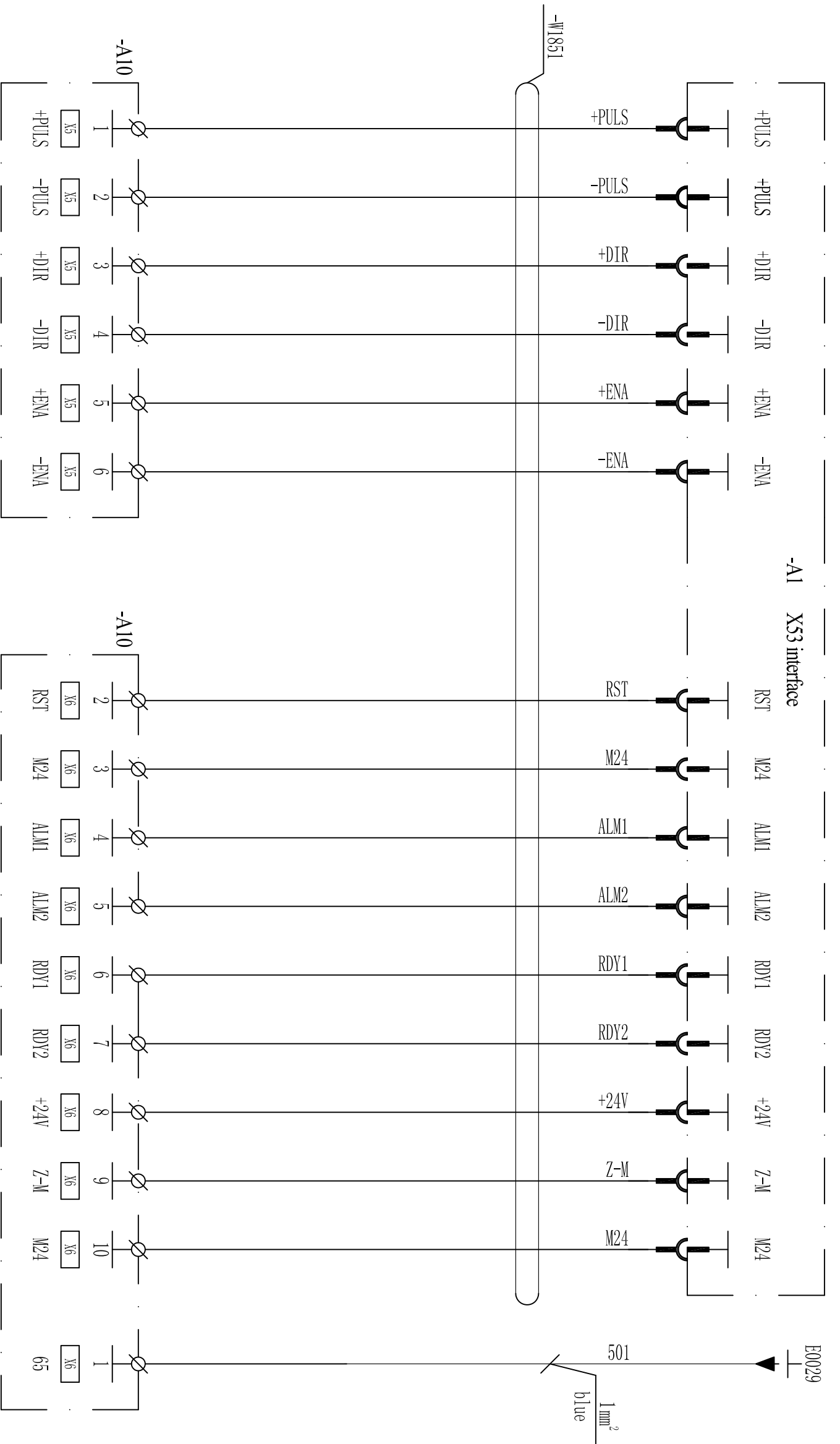
0015	0016	0017	0018	0019
design	count	subarea	modified document No.	signature
drawing			technics	date
director			measure	
proofread			standard	
			authorize	
Economicall NCLathe		SIEMENS 808D		phase marker
Yunnan CY Group Co., Ltd.		common circuit of feed-shaft		B
		circuit of feed-shaft		weight
		NPH-18805-SS4E		scale
		Totalling 8 pages, page 2		1:1

0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

0020	0021	0022	0023	0024	0025	0026	0027	0028	0029																																																																																											
					X5 interface for X-axis drive		X51 interface of NC system		X6 interface for X-axis drive																																																																																											
-A1 X51 interface																																																																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">+PULS</td> <td style="width: 15%;">+PULS</td> <td style="width: 15%;">+DIR</td> <td style="width: 15%;">-DIR</td> <td style="width: 15%;">+ENA</td> <td style="width: 15%;">-ENA</td> <td style="width: 15%;">RST</td> <td style="width: 15%;">M24</td> <td style="width: 15%;">ALM1</td> <td style="width: 15%;">ALM2</td> <td style="width: 15%;">RDY1</td> <td style="width: 15%;">RDY2</td> <td style="width: 15%;">+24V</td> <td style="width: 15%;">Z-M</td> <td style="width: 15%;">M24</td> </tr> <tr> <td colspan="15" style="text-align: center;">-W1850</td> </tr> <tr> <td colspan="15" style="text-align: center;">-A8</td> </tr> <tr> <td></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> <td>6</td> <td>7</td> <td>8</td> <td>9</td> <td>10</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>X5</td> <td>X5</td> <td>X5</td> <td>X5</td> <td>X5</td> <td>X6</td> <td>X6</td> <td>X6</td> <td>X6</td> <td>X6</td> <td>X6</td> <td>X6</td> <td>X6</td> <td>X6</td> </tr> <tr> <td></td> <td>+PULS</td> <td>-PULS</td> <td>+DIR</td> <td>-DIR</td> <td>+ENA</td> <td>-ENA</td> <td>RST</td> <td>M24</td> <td>ALM1</td> <td>ALM2</td> <td>RDY1</td> <td>RDY2</td> <td>+24V</td> <td>Z-M</td> <td>M24</td> </tr> </table>										+PULS	+PULS	+DIR	-DIR	+ENA	-ENA	RST	M24	ALM1	ALM2	RDY1	RDY2	+24V	Z-M	M24	-W1850															-A8																1	2	3	4	5	6	7	8	9	10						X5	X5	X5	X5	X5	X6	X6	X6	X6	X6	X6	X6	X6	X6		+PULS	-PULS	+DIR	-DIR	+ENA	-ENA	RST	M24	ALM1	ALM2	RDY1	RDY2	+24V	Z-M	M24
+PULS	+PULS	+DIR	-DIR	+ENA	-ENA	RST	M24	ALM1	ALM2	RDY1	RDY2	+24V	Z-M	M24																																																																																						
-W1850																																																																																																				
-A8																																																																																																				
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0030	0031	0032	0033	0034	0035	0036	0037	0038	0039
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		X5 interface for Z-axis drive		X53 interface of NC system		X6 interface for Z-axis drive			
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register of grafting
(general) parts

total number of
old source drawing

total number of
source drawing

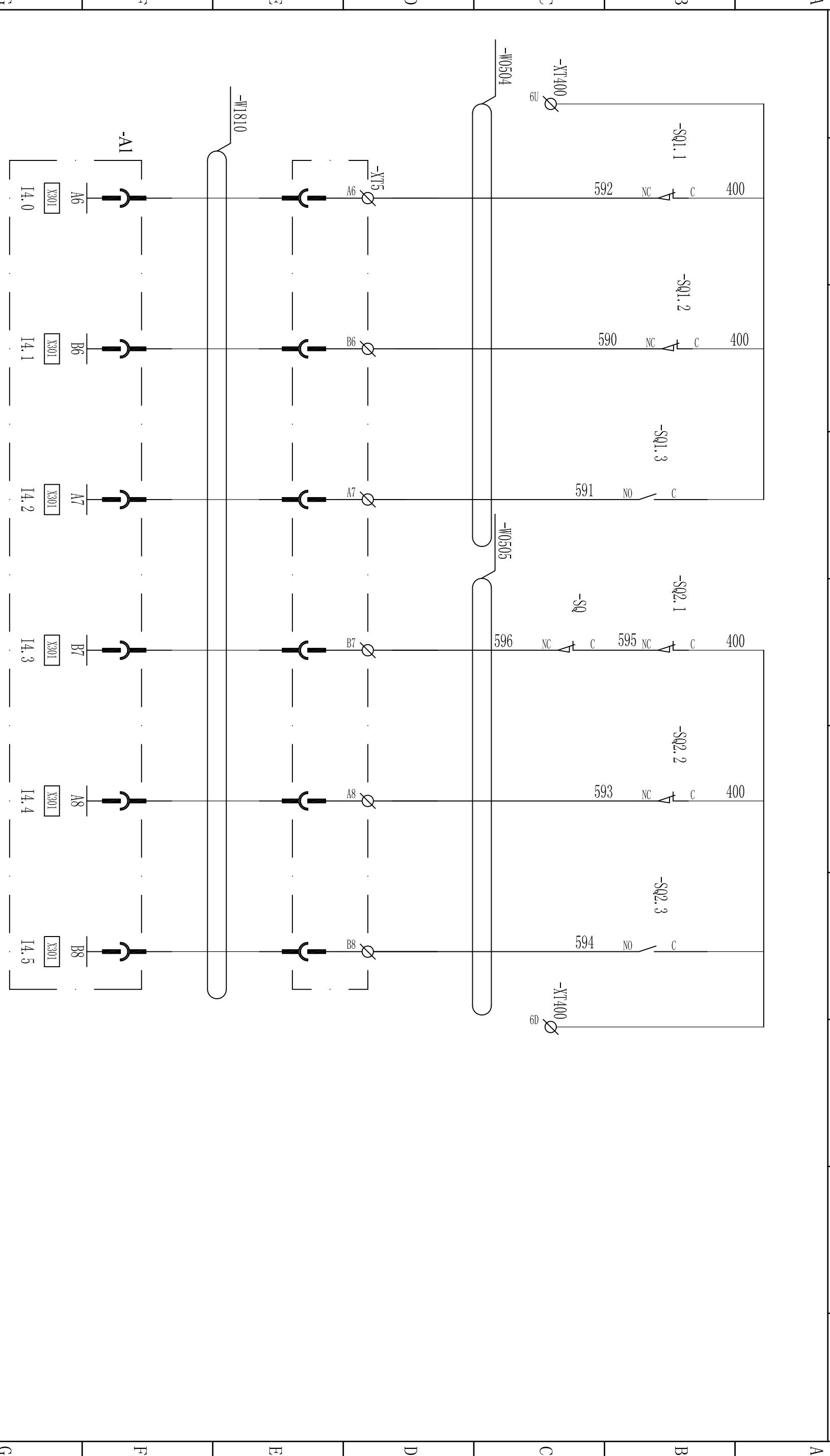
signature

date

Economic NC Lathe		Yunnan CY Group Co., Ltd.	
SIEMENS 808D		SIEMENS SERVO	
phase marker	weight	scale	
B		1:1	
Totalling 8 pages, page 4			NPH-18805-SS4E

0030	0031	0032	0033	0034	0035	0036	0037	0038	0039
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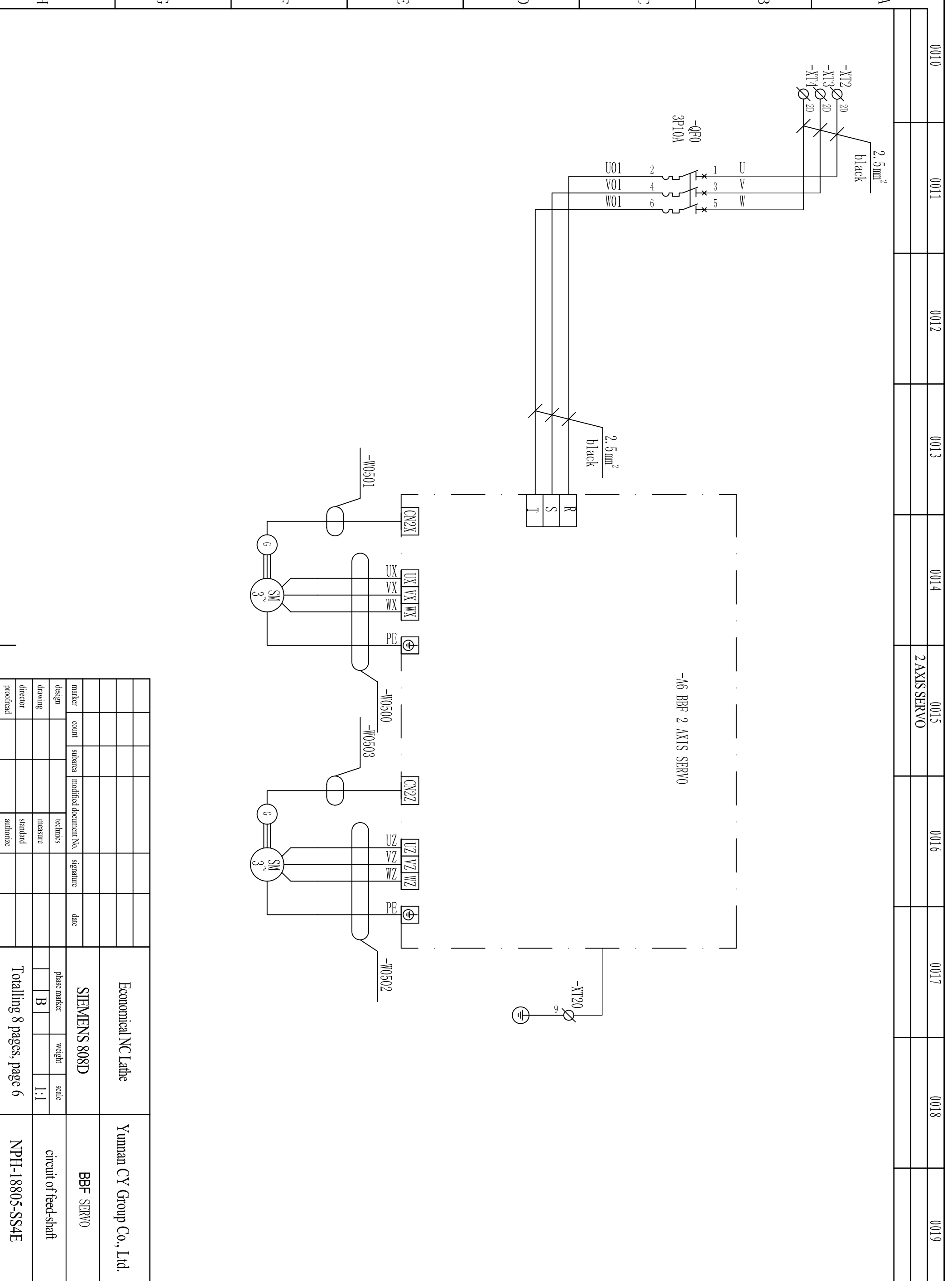
0040	0041	0042	0043	0044	0045	0046	0047	0048	0049
	+X limit	-X limit	reference-point return of X-axis	+Z limit	-Z limit	reference-point return of Z-axis			
			Limit switch for tailstock						



Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

Economic NCLathe				Yunnan CY Group Co., Ltd.			
SIEMENS 808D				common circuit of feed-shaft			
design	marker	count	subarea	modified document No.	signature	date	phase marker
drawing							B
director				technics			weight
proofread				measure			scale
				standard			1:1
				authorize			Totalling 8 pages, page 5

0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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register of grafting (general) parts

total number of old source drawing

total number of source drawing

signature

date

Economical NCLathe				Yunnan CY Group Co., Ltd.				
SIEMENS 808D				BBF SERVO				
design	count	subarea	modified document No.	signature	date	phase marker	weight	scale
drawing						B		1:1
director						Totalling 8 pages, page 6		
proofread						NPH-18805-SS4E		

0010

0011

0012

0013

0014

0015

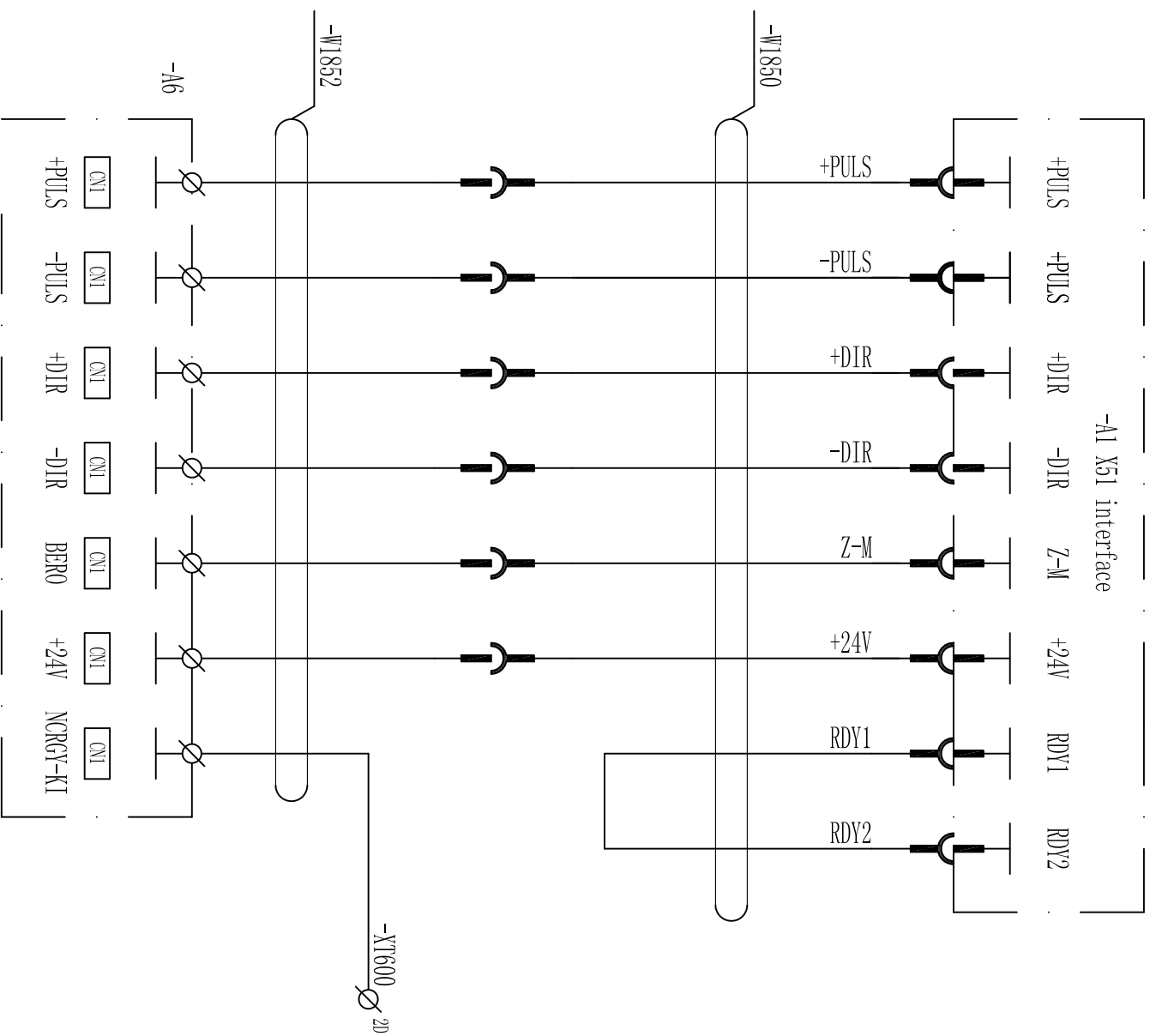
0016

0017

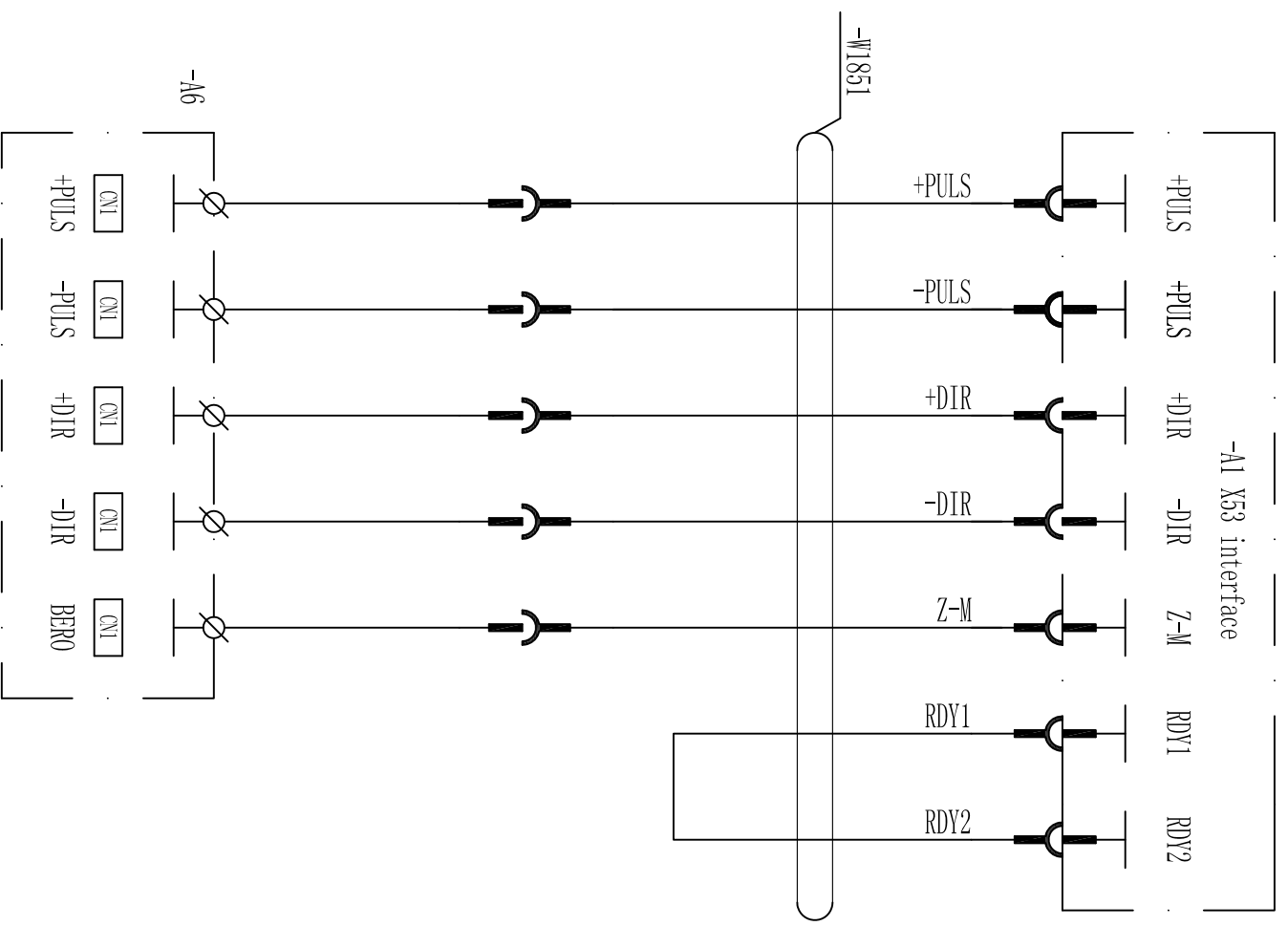
0018

0019

Economical NCLathe				Yunnan CY Group Co., Ltd.				
SIEMENS 808D				BBF SERVO				
design	count	subarea	modified document No.	signature	date	phase marker	weight	scale
drawing						B		1:1
director						Totalling 8 pages, page 6		
proofread						NPH-18805-SS4E		



0010	0011	0012	0013	0014	0015	0016	0017	0018	0019																																																		
<p style="text-align: center;">-AI X51 interface</p> <p style="text-align: center;">+PULS +PULS +DIR -DIR Z-M +24V RDY1 RDY2</p> <p style="text-align: center;">-PULS -PULS +DIR -DIR Z-M +24V RDY1 RDY2</p> <p style="text-align: center;">-W1850</p> <p style="text-align: center;">-W1852</p> <p style="text-align: center;">-A6</p> <p style="text-align: center;">+PULS -PULS +DIR -DIR BERO +24V NCRGY-KI</p> <p style="text-align: center;">-XT600 $\varnothing 20$</p>																																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">marker</td> <td>count</td> <td>subarea</td> <td>modified document No.</td> <td>signature</td> <td>date</td> <td colspan="3"> <p style="text-align: center;">Economicall NCLathe</p> <p style="text-align: center;">SIEMENS 808D</p> </td> <td>Yunnan CY Group Co., Ltd.</td> </tr> <tr> <td>design</td> <td>drawing</td> <td>director</td> <td>proofread</td> <td>technics</td> <td>measure</td> <td>standard</td> <td>authorize</td> <td>phase marker</td> <td>weight</td> <td>scale</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>B</td> <td></td> <td>1:1</td> </tr> <tr> <td colspan="7">Totalling 8 pages, page 7</td> <td colspan="3">NPH-18805-SS4E</td> <td></td> </tr> </table>										marker		count	subarea	modified document No.	signature	date	<p style="text-align: center;">Economicall NCLathe</p> <p style="text-align: center;">SIEMENS 808D</p>			Yunnan CY Group Co., Ltd.	design	drawing	director	proofread	technics	measure	standard	authorize	phase marker	weight	scale									B		1:1	Totalling 8 pages, page 7							NPH-18805-SS4E									
marker		count	subarea	modified document No.	signature	date	<p style="text-align: center;">Economicall NCLathe</p> <p style="text-align: center;">SIEMENS 808D</p>			Yunnan CY Group Co., Ltd.																																																	
design	drawing	director	proofread	technics	measure	standard	authorize	phase marker	weight	scale																																																	
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Totalling 8 pages, page 7							NPH-18805-SS4E																																																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>register of grafting (general) parts</td> <td colspan="9"></td> </tr> <tr> <td>total number of old source drawing</td> <td colspan="9"></td> </tr> <tr> <td>total number of source drawing</td> <td colspan="9"></td> </tr> <tr> <td>signature</td> <td colspan="9"></td> </tr> <tr> <td>date</td> <td colspan="9"></td> </tr> </table>										register of grafting (general) parts										total number of old source drawing										total number of source drawing										signature										date									
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0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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0010	0011	0012	0013	0014	0015	0016	0017	0018	0019		
							Economical NCLathe	Yunnan CY Group Co., Ltd.			
							SIEMENS 808D	BBF SERVO			
							phase marker	B	weight	scale	
							Totalling 8 pages, page 8			NPH-18805-SS4E	
							design	technics	measure	1:1	
							drawing	standard			
							director	authorize			
							proofread				
							marker	count	subarea	modified document No.	
							signature	date			
							design	technics	measure	1:1	
							drawing	standard			
							director	authorize			
							proofread				
							marker	count	subarea	modified document No.	
							signature	date			

register of grafting
(general) parts

total number of
old source drawing

total number of
source drawing

signature

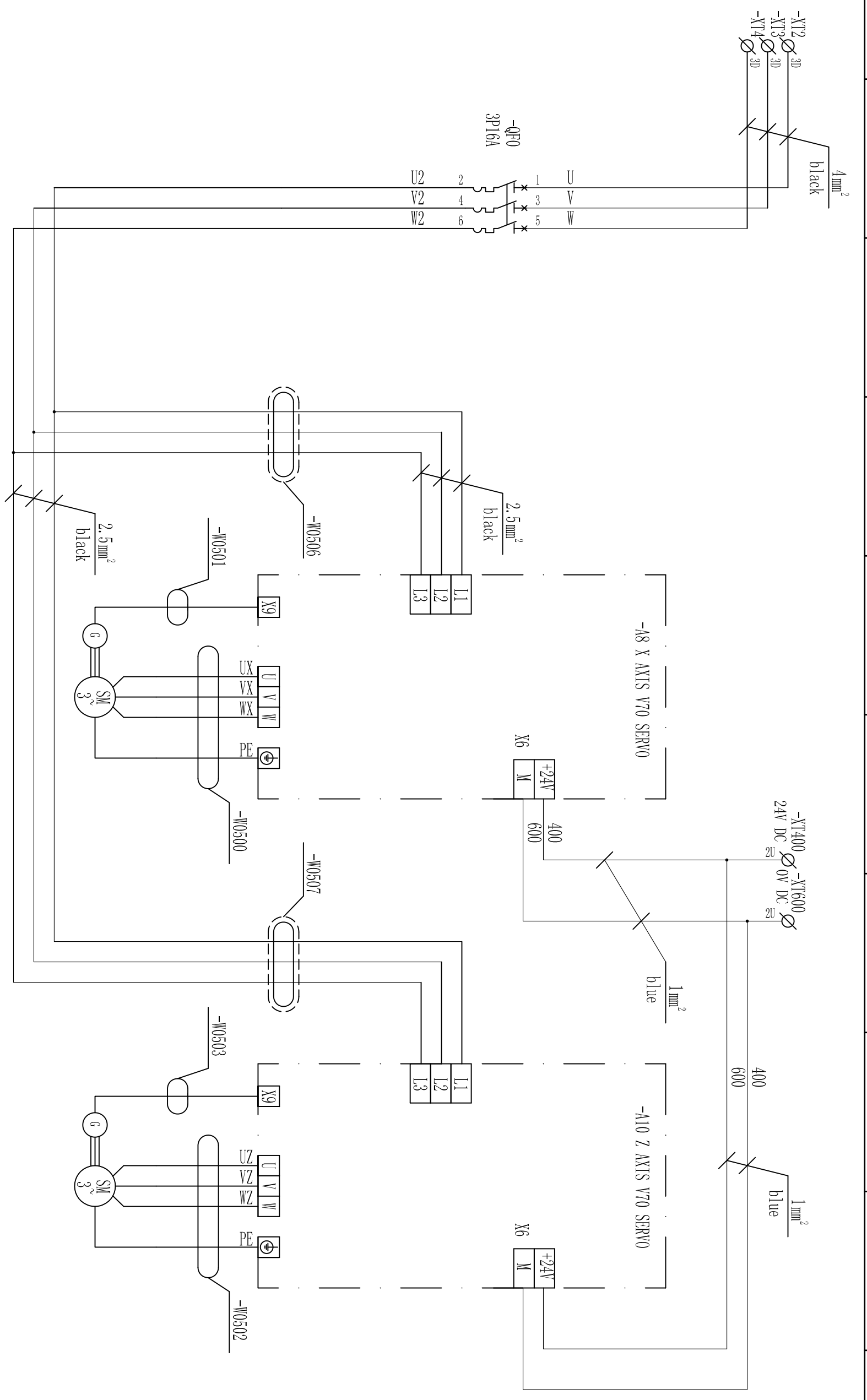
date

total number of
old source drawing

total number of
source drawing

signature

date



Note: This page is used for SINUMERIK 808D ADVANCED

0010 0011 0012 0013 0014 0015 0016 0017 0018 0019

0010 0011 0012 0013 0014 0015 0016 0017 0018 0019

0010 0011 0012 0013 0014 0015 0016 0017 0018 0019

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register of grafting
(general) parts

total number of
old source drawing

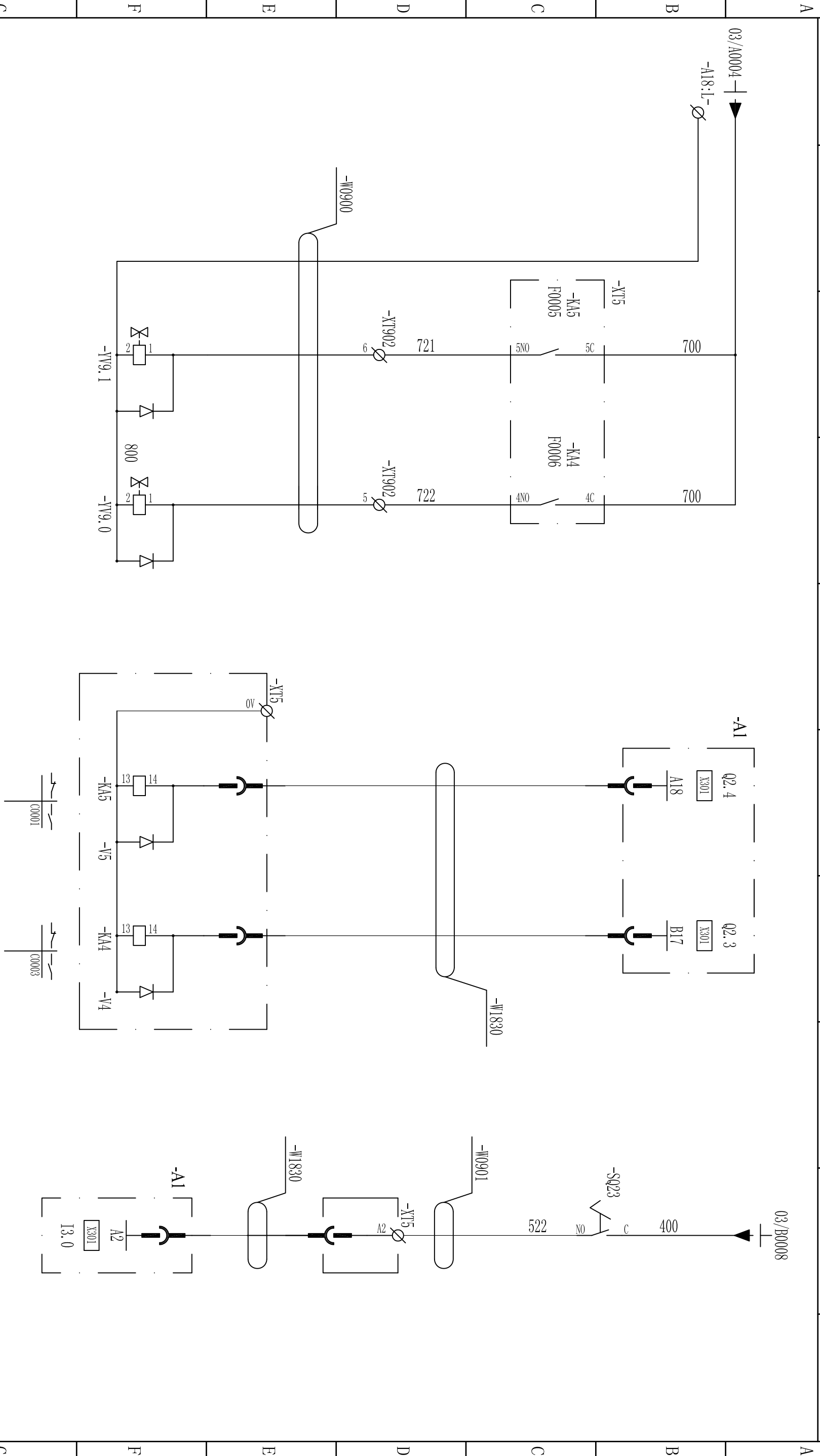
total number of
source drawing

signature

date

marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale
design								
drawing						B		1:1
director								
proofread								
Economical NCLathe						SIEMENS 808D		
Yunnan CY Group Co., Ltd.						SIEMENS SERVVO		
Totalling 1 pages, page 1						circuit of feed-shaft		
NPH-18805-SS4E								

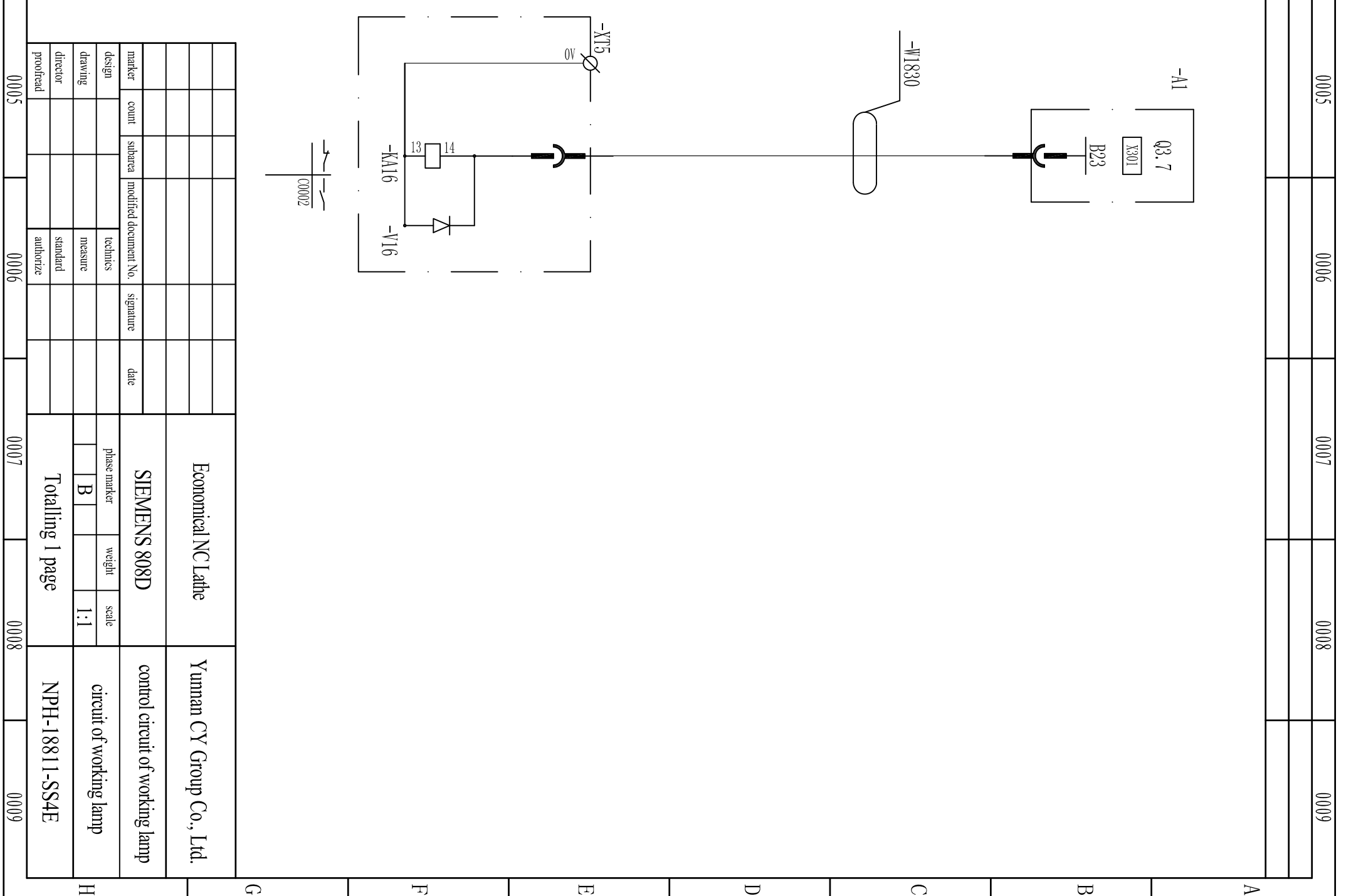
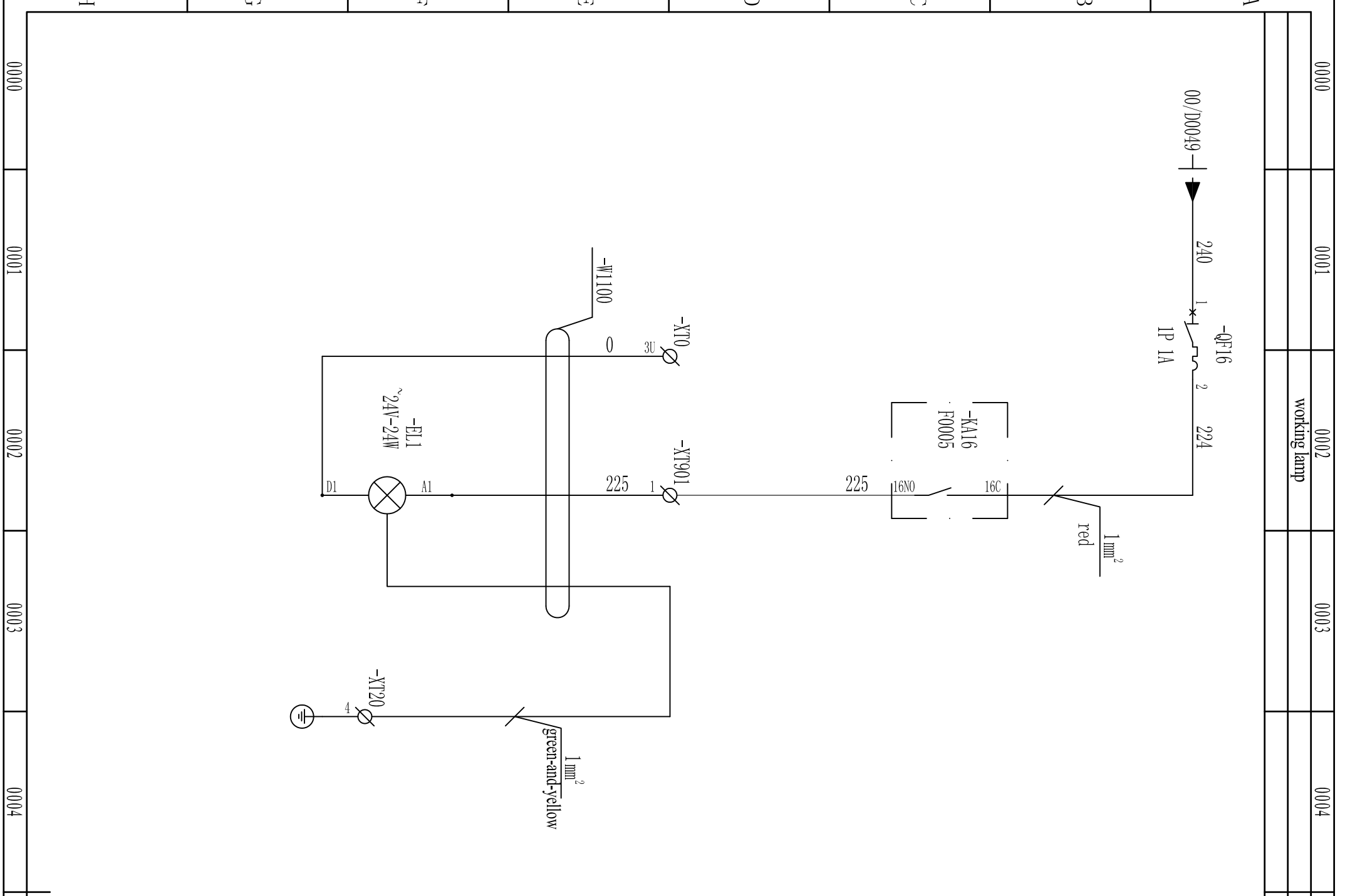
0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
		valve for unclamping of chuck	valve for clamping of chuck		unclamping of chuck	clamping of chuck		foot switch for chuck	



Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

0000	0001	0002	0003	0004	0005	0006	0007	0008	0009																																							
					<table border="1"> <tr> <th>marker</th> <th>count</th> <th>subarea</th> <th>modified document No.</th> <th>signature</th> <th>date</th> </tr> <tr> <td>design</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>drawing</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>director</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>proofread</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		marker	count	subarea	modified document No.	signature	date	design						drawing						director						proofread						<table border="1"> <tr> <th>phase marker</th> <th>weight</th> <th>scale</th> </tr> <tr> <td>B</td> <td></td> <td>1:1</td> </tr> </table>		phase marker	weight	scale	B		1:1	<table border="1"> <tr> <td colspan="2">Totalling 1 page</td> </tr> </table>		Totalling 1 page	
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proofread																																																
phase marker	weight	scale																																														
B		1:1																																														
Totalling 1 page																																																
					<table border="1"> <tr> <td>technics</td> <td>measure</td> <td>standard</td> <td>authorize</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>		technics	measure	standard	authorize					<table border="1"> <tr> <td colspan="2">Economical NCLathe</td> <td colspan="2">Yunnan CY Group Co., Ltd.</td> </tr> <tr> <td colspan="2">SIEMENS 808D</td> <td colspan="2">control circuit of chuck</td> </tr> <tr> <td colspan="2">NPH-18809-SS4E</td> <td colspan="2">circuit of chuck</td> </tr> </table>		Economical NCLathe		Yunnan CY Group Co., Ltd.		SIEMENS 808D		control circuit of chuck		NPH-18809-SS4E		circuit of chuck																					
technics	measure	standard	authorize																																													
Economical NCLathe		Yunnan CY Group Co., Ltd.																																														
SIEMENS 808D		control circuit of chuck																																														
NPH-18809-SS4E		circuit of chuck																																														

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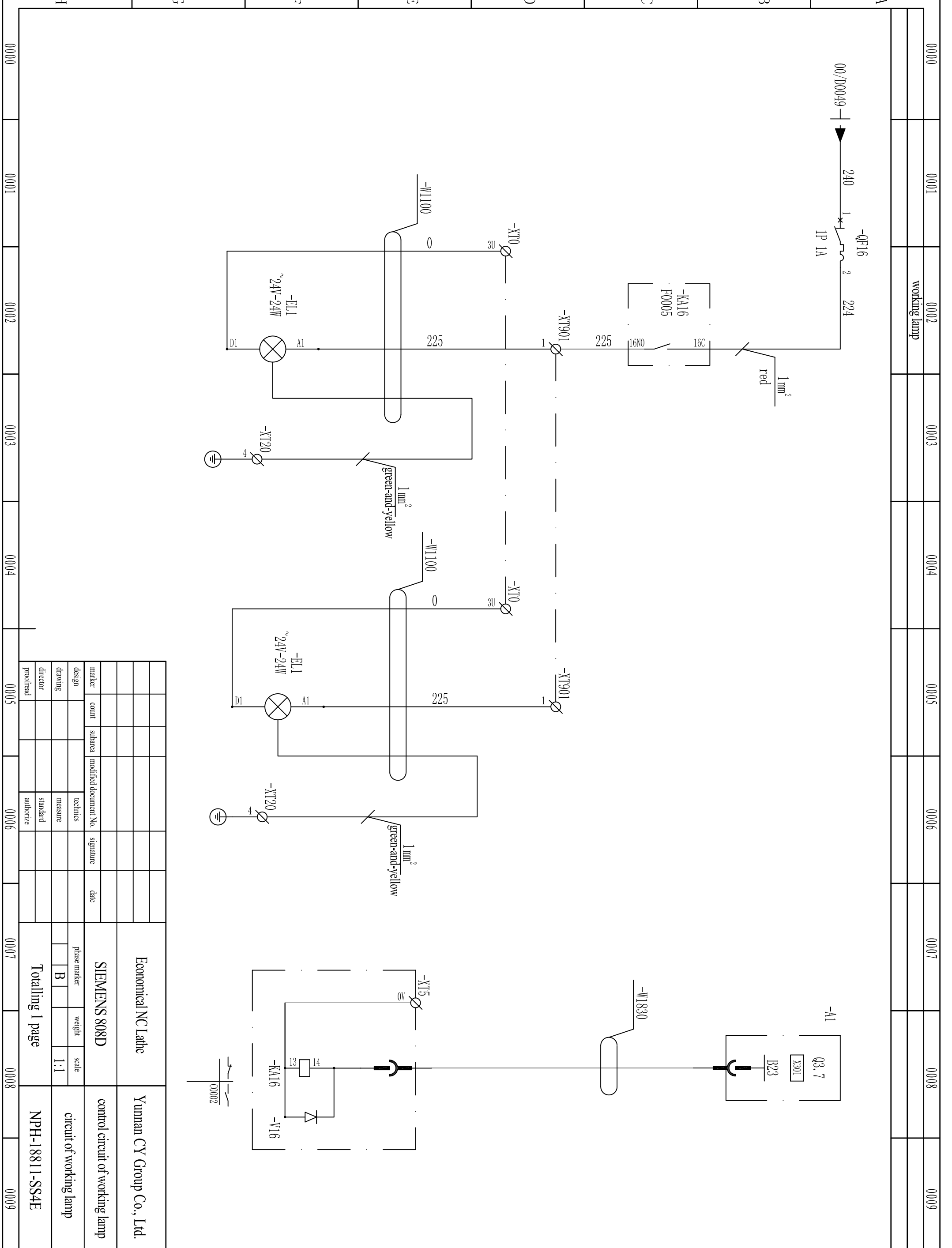


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register of grafting (general) parts
total number of old source drawing
total number of source drawing
signature
date

Economicall NCLathe				Yunnan CY Group Co., Ltd.				
SIEMENS 808D				control circuit of working lamp				
marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale
design						B		1:1
drawing						Totalling 1 page		
director						NPH-18811-SS4E		
proofread								

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0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
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working lamp

register of grafting
(general) parts

total number of
old source drawing

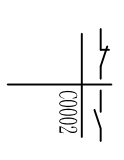
total number of
source drawing

signature

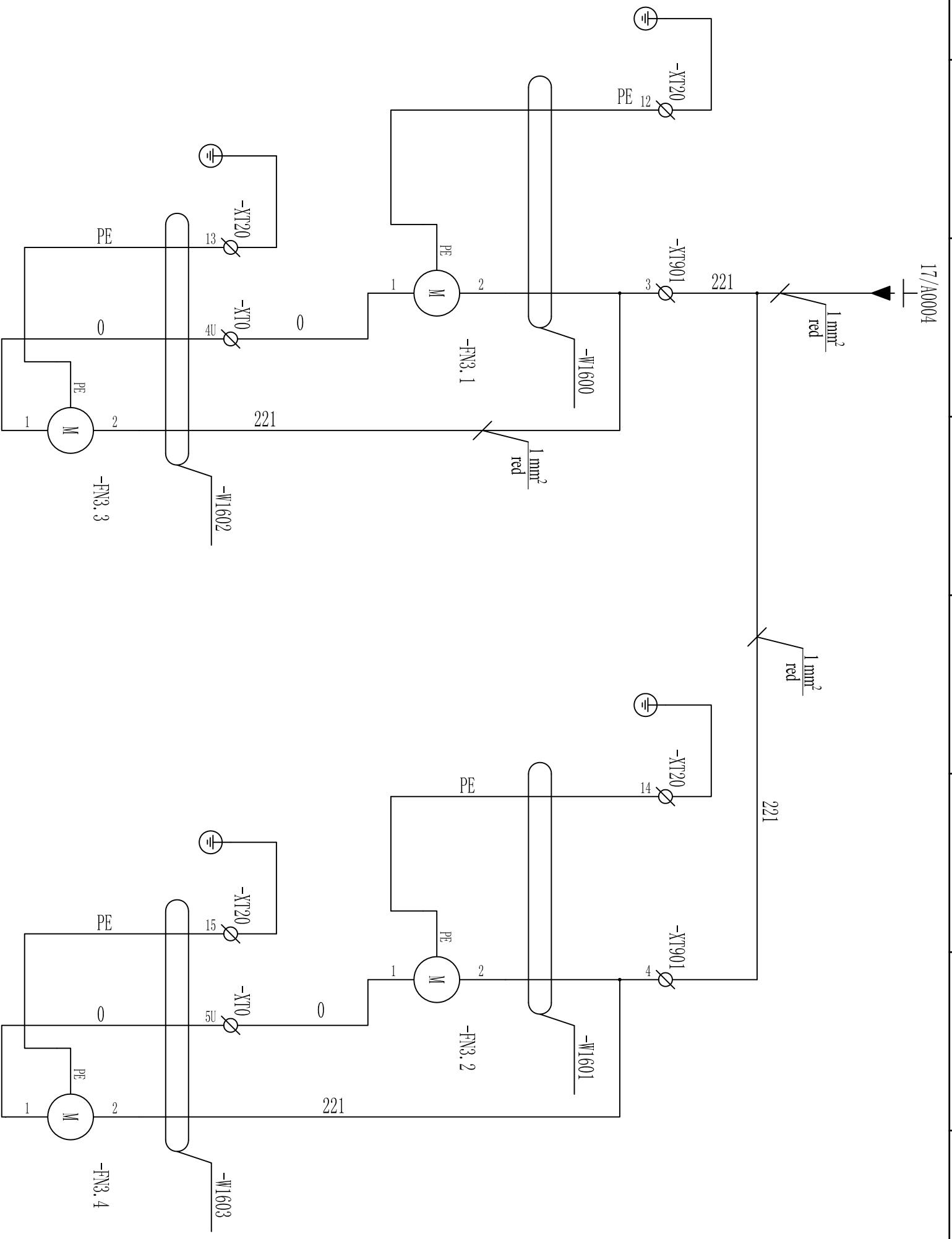
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marker	count	subarea	modified document No.	signature	date
design					
drawing					
director					
proofread					

Economical NCLathe	Yunnan CY Group Co., Ltd.	
SIEMENS 808D	control circuit of working lamp	
phase marker	weight	scale
B		1:1
Totalling 1 page		
NPH-18811-SS4E		circuit of working lamp

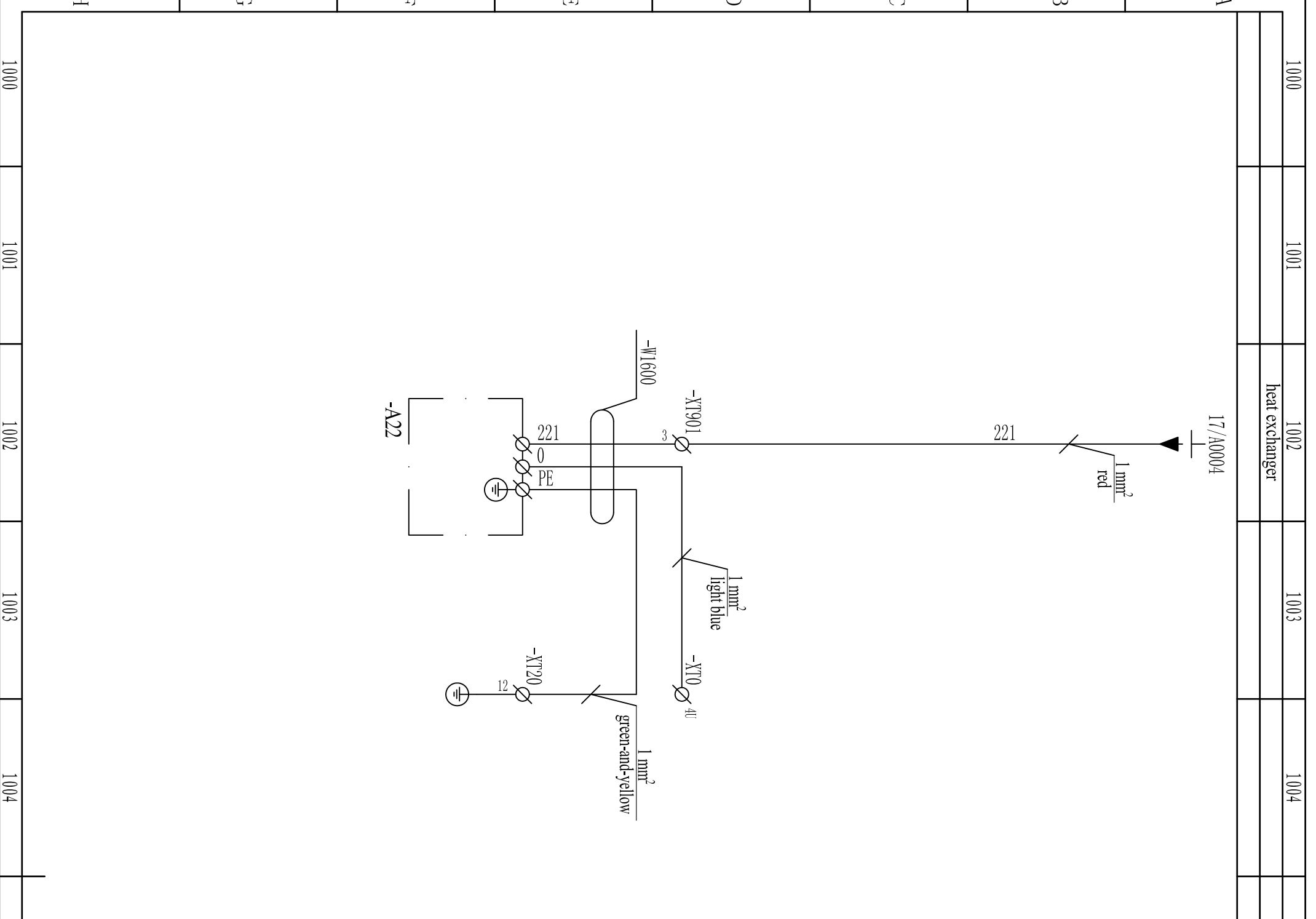


0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
	No. 1 axial-flow fan					No. 2 axial-flow fan			
	No. 3 axial-flow fan					No. 4 axial-flow fan			



register of grafting (general) parts		total number of old source drawing		total number of source drawing		signature		date	
Economicall NCLathe		SIEMENS 808D		Yunnan CY Group Co., Ltd.		circuit of axial-flow fan		circuit of cooling equipment for electric cabinet	
phase marker		weight		scale		B		1:1	
Totalling 3 pages, page 1		0007		0008		0009		NPH-18816-SS4E	

1000	1001	1002	1003	1004	1005	1006	1007	1008	1009
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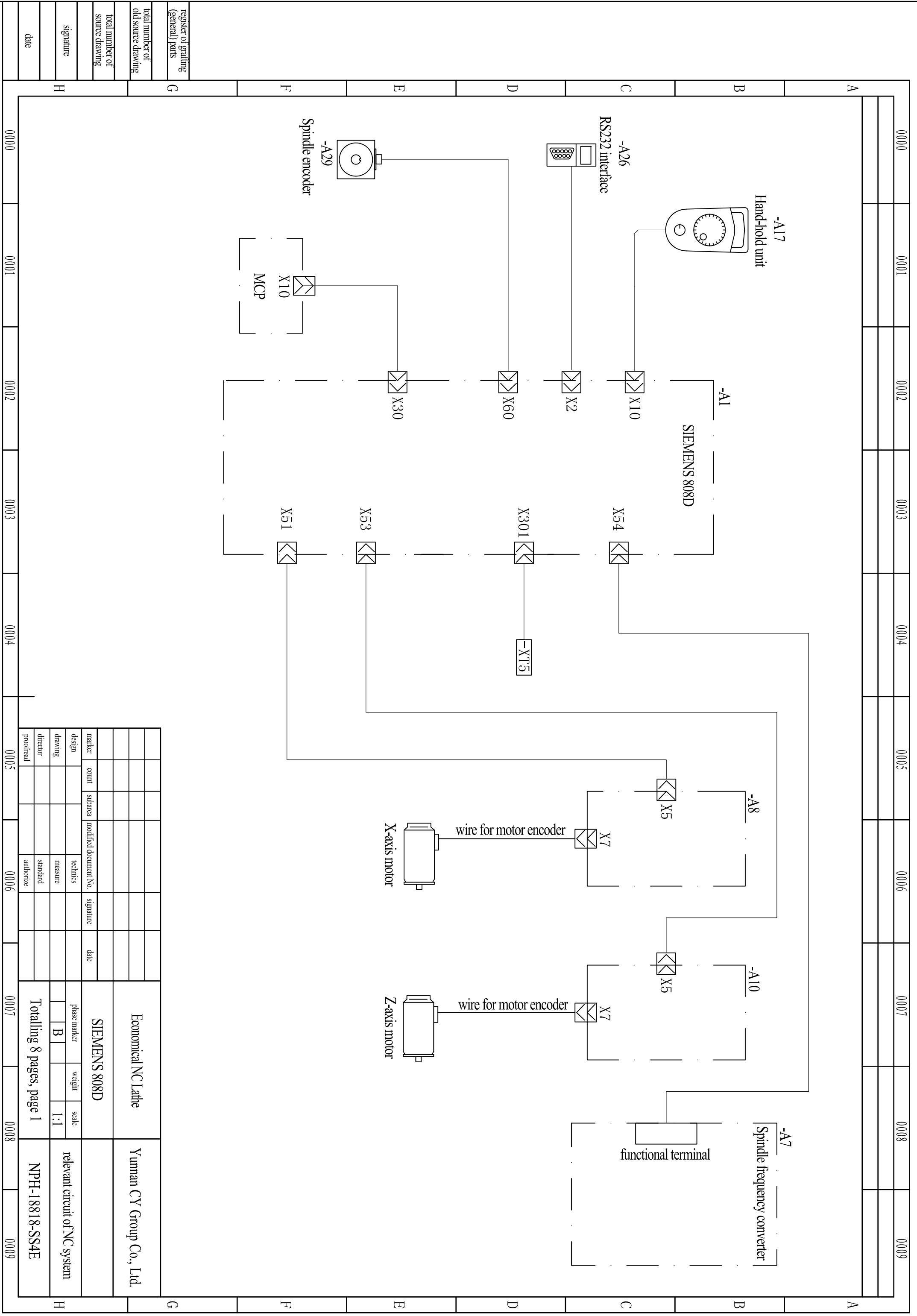


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					<table border="1"> <tr> <td>marker</td> <td>count</td> <td>subarea</td> <td>modified document No.</td> <td>signature</td> <td>date</td> <td rowspan="4"> Economical NCLathe SIEMENS 808D </td> <td rowspan="4"> Yunnan CY Group Co., Ltd. circuit of heat exchanger </td> </tr> <tr> <td>design</td> <td></td> <td></td> <td>technics</td> <td></td> <td></td> </tr> <tr> <td>drawing</td> <td></td> <td></td> <td>measure</td> <td></td> <td></td> </tr> <tr> <td>director</td> <td></td> <td></td> <td>standard</td> <td></td> <td></td> </tr> <tr> <td>proofread</td> <td></td> <td></td> <td>authorize</td> <td></td> <td></td> <td> Totalling 3 pages, page 2 </td> <td> NPH-18816-SS4E </td> </tr> </table>					marker	count	subarea	modified document No.	signature	date	Economical NCLathe SIEMENS 808D	Yunnan CY Group Co., Ltd. circuit of heat exchanger	design			technics			drawing			measure			director			standard			proofread			authorize			Totalling 3 pages, page 2	NPH-18816-SS4E
marker	count	subarea	modified document No.	signature	date	Economical NCLathe SIEMENS 808D	Yunnan CY Group Co., Ltd. circuit of heat exchanger																																				
design			technics																																								
drawing			measure																																								
director			standard																																								
proofread			authorize			Totalling 3 pages, page 2	NPH-18816-SS4E																																				

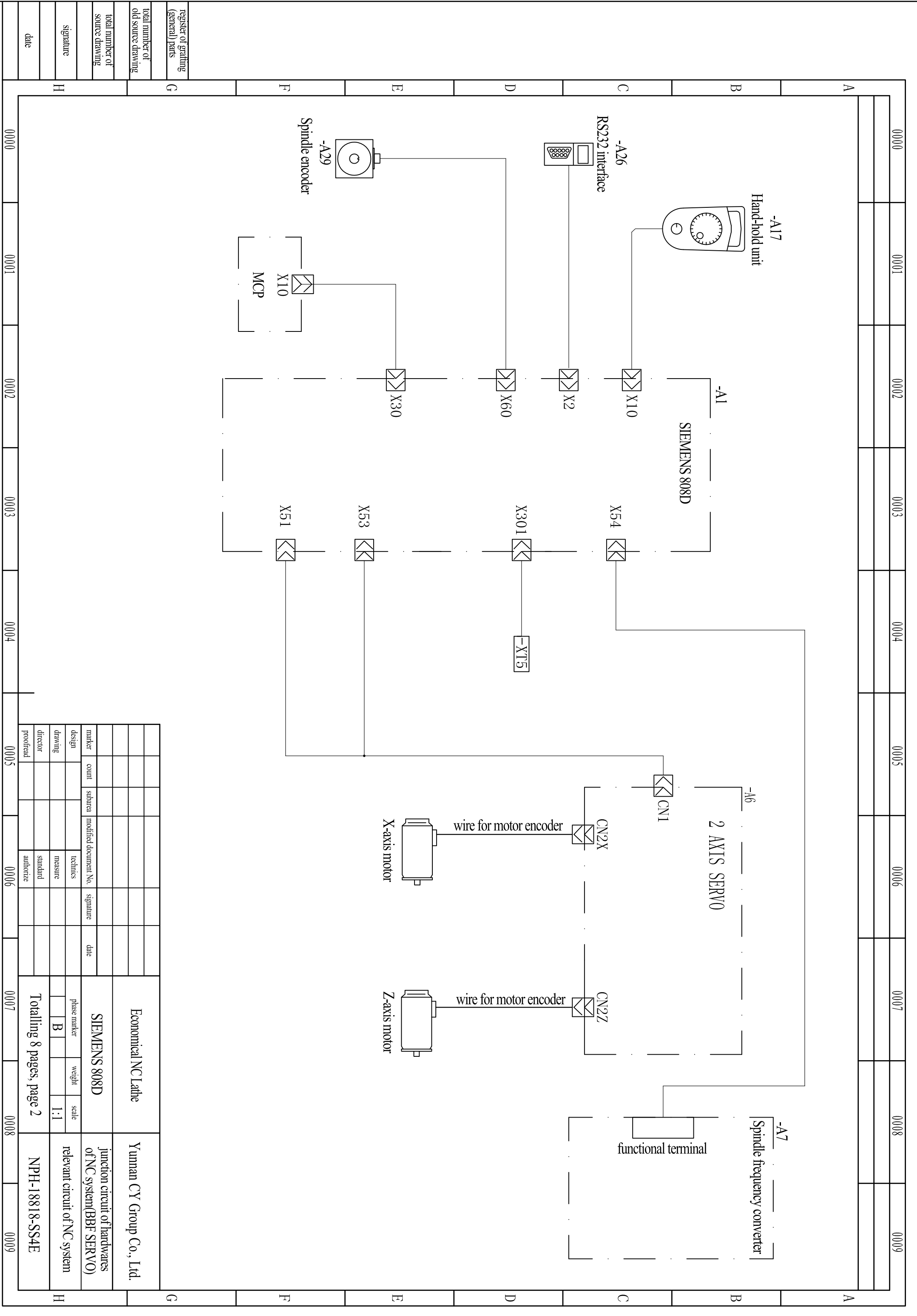
1000	1001	1002	1003	1004	1005	1006	1007	1008	1009
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register of grafting
 (general) parts
 total number of
 old source drawing
 total number of
 source drawing
 signature
 date

1000	1001	1002	1003	1004	1005	1006	1007	1008	1009
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0000	0001	0002	0003	0004	0005	0006	0007	0008	0009																																																		
<table border="1"> <tr> <td colspan="2">register of grafting (general) parts</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">total number of old source drawing</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">total number of source drawing</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">signature</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td colspan="2">date</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> </table>										register of grafting (general) parts										total number of old source drawing										total number of source drawing										signature										date									
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Economicall NCLathe				SIEMENS 808D		Yunnan CY Group Co., Ltd.																																																					
phase marker				weight		scale		relevant circuit of NC system																																																			
B						1:1		NPH-18818-SS4E																																																			
Totalling 8 pages, page 1																																																											



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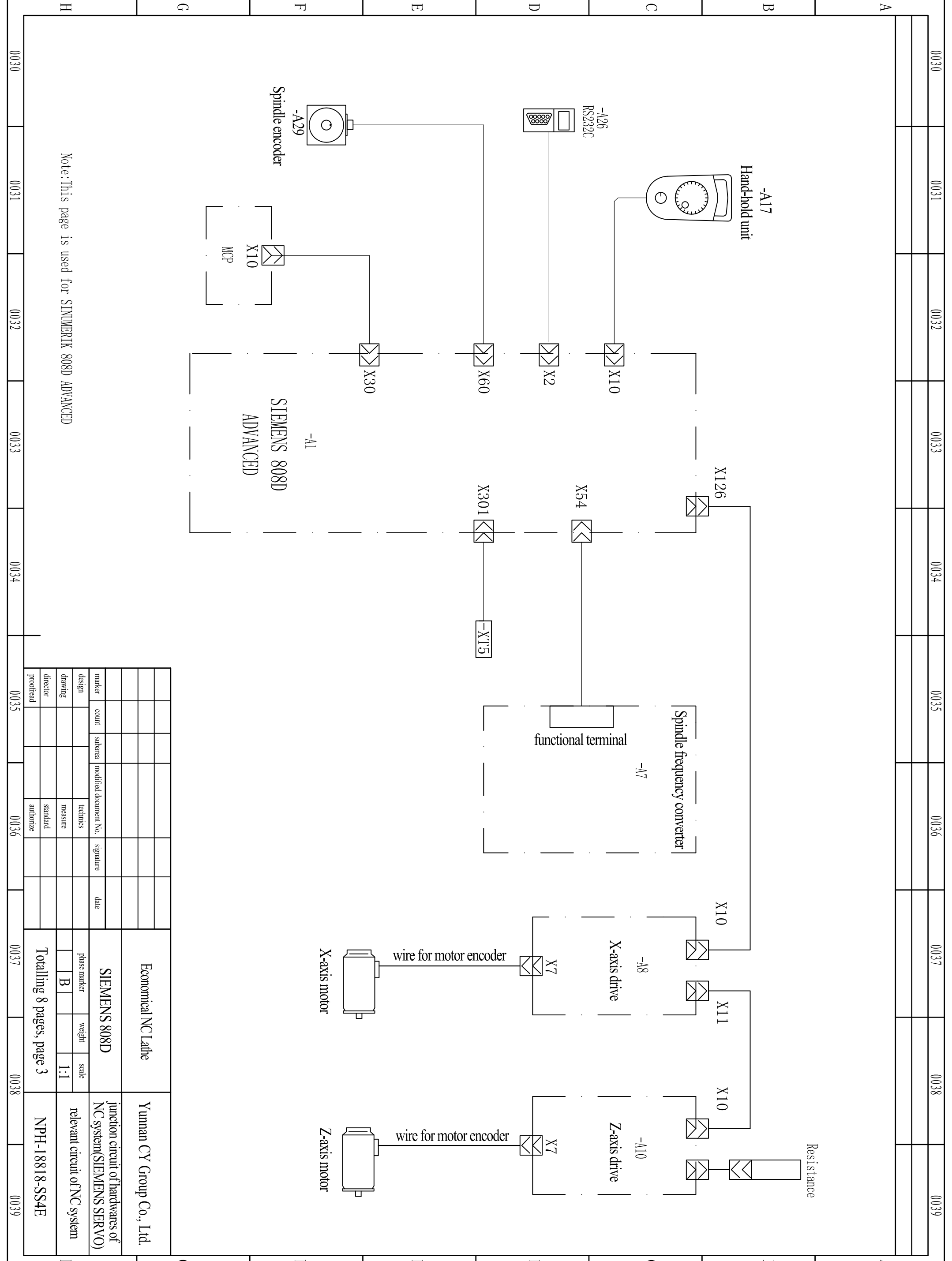
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marker	count	subarea	modified document No.	signature	date	Economical NCLathe	Yunnan CY Group Co., Ltd.
design			technics				
drawing			measure				
director			standard				
proofread			authorize				
Totaling 8 pages, page 2							

register of grafting (general) parts
total number of old source drawing
total number of source drawing
signature
date

phase marker	weight	scale	SIEMENS 808D	junction circuit of hardwares of NC system(BBF SERVVO)
B		1:1		
relevant circuit of NC system			NPH-18818-SS4E	

0030	0031	0032	0033	0034	0035	0036	0037	0038	0039
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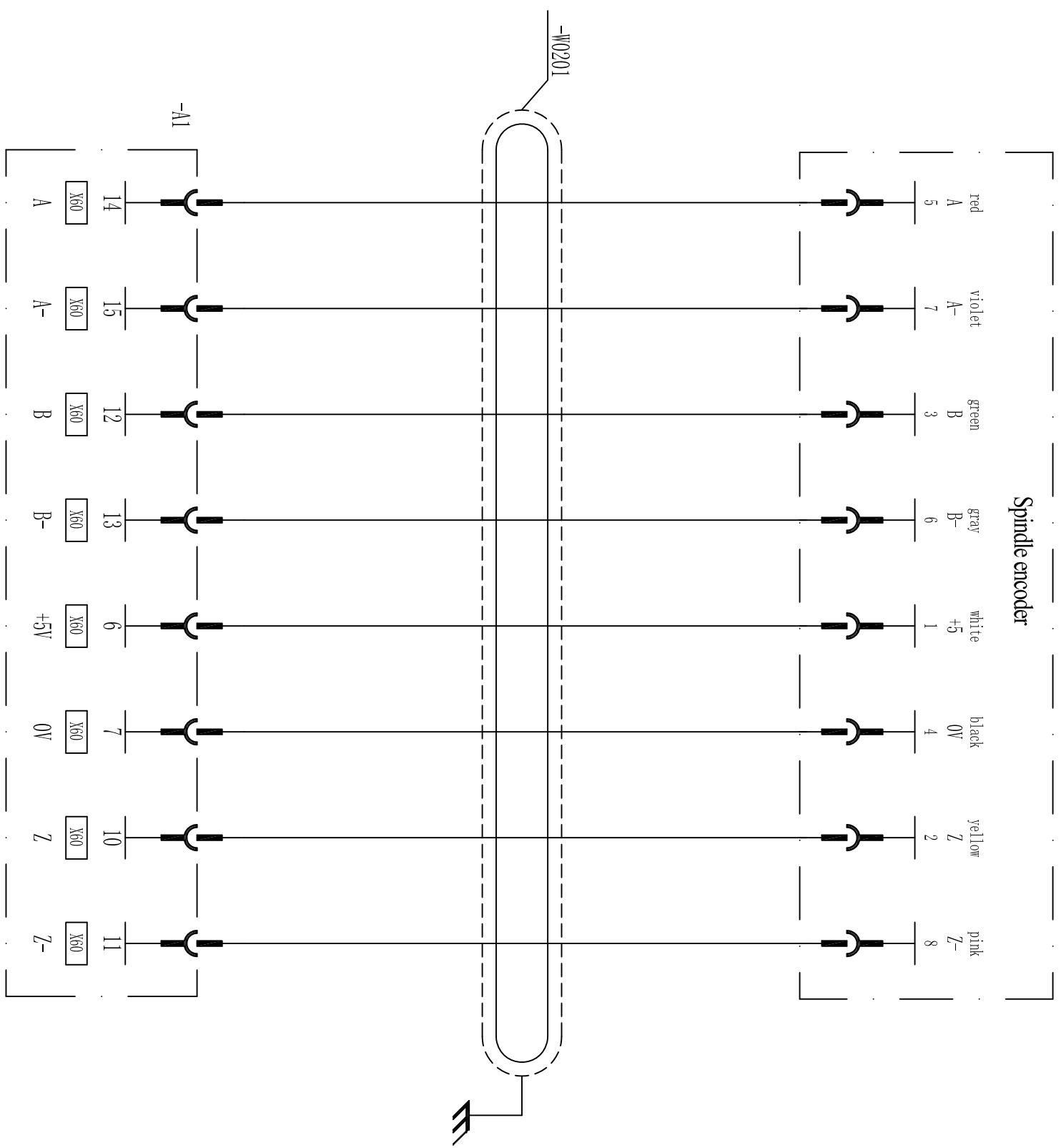


Note: This page is used for SINUMERIK 808D ADVANCED

0030	0031	0032	0033	0034	0035	0036	0037	0038	0039																														
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marker	count	subarea	modified document No.	signature	date																																		
design																																							
drawing																																							
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proofread																																							
					<table border="1"> <tr> <td colspan="3">Economical NCLathe</td> <td colspan="3">Yunnan CY Group Co., Ltd.</td> </tr> <tr> <td colspan="3">SIEMENS 808D</td> <td colspan="3">junction circuit of hardwares of NC system(SIEMENS SERVVO)</td> </tr> <tr> <td>phase marker</td> <td>weight</td> <td>scale</td> <td colspan="3">relevant circuit of NC system</td> </tr> <tr> <td>B</td> <td></td> <td>1:1</td> <td colspan="3">NPH-18818-SS4E</td> </tr> </table>					Economical NCLathe			Yunnan CY Group Co., Ltd.			SIEMENS 808D			junction circuit of hardwares of NC system(SIEMENS SERVVO)			phase marker	weight	scale	relevant circuit of NC system			B		1:1	NPH-18818-SS4E								
Economical NCLathe			Yunnan CY Group Co., Ltd.																																				
SIEMENS 808D			junction circuit of hardwares of NC system(SIEMENS SERVVO)																																				
phase marker	weight	scale	relevant circuit of NC system																																				
B		1:1	NPH-18818-SS4E																																				
Totaling 8 pages, page 3																																							

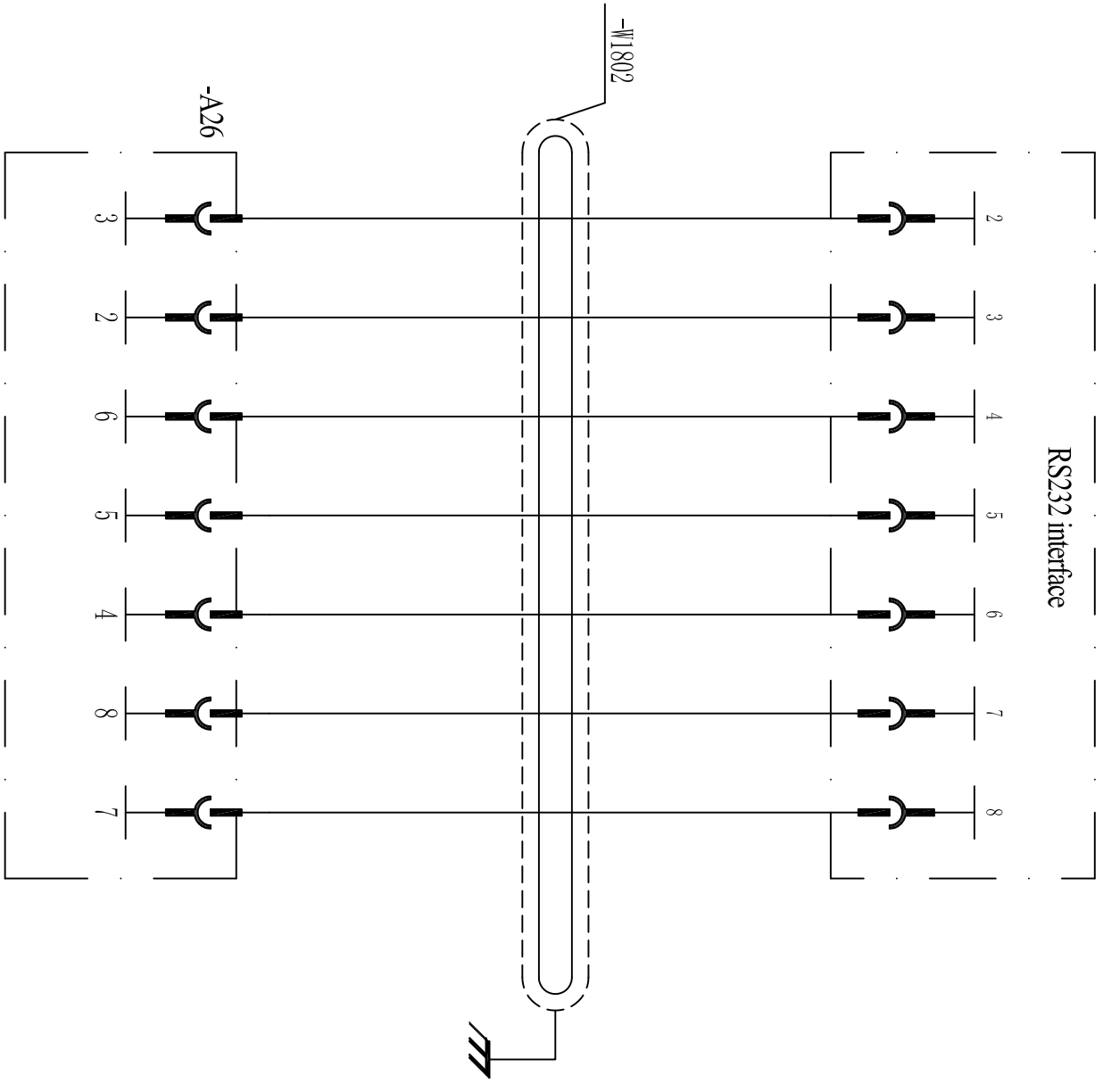
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0020	0021	0022	0023	0024	0025	0026	0027	0028	0029
				spindle encoder					



register of grafting (general) parts	G																																																													
total number of old source drawing																																																														
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0020	0021	0022	0023	0024	0025	0026	0027	0028	0029																																																					
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marker	count	subarea	modified document No.	signature	date																																																									
design																																																														
drawing																																																														
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proofread																																																														
phase marker	weight	scale																																																												
B		1:1																																																												
Economical NCLathe		Yunnan CY Group Co., Ltd.																																																												
SIEMENS 808D		junction circuit of spindle encoder																																																												
Totalling 8 pages, page 6		relevant circuit of NC system																																																												
		NPH-18818-SS4E																																																												

0030 0031 0032 0033 0034 RS232 interface 0035 0036 0037 0038 0039



Note:
The connecting cable from the machine to the computer should be welded by users.

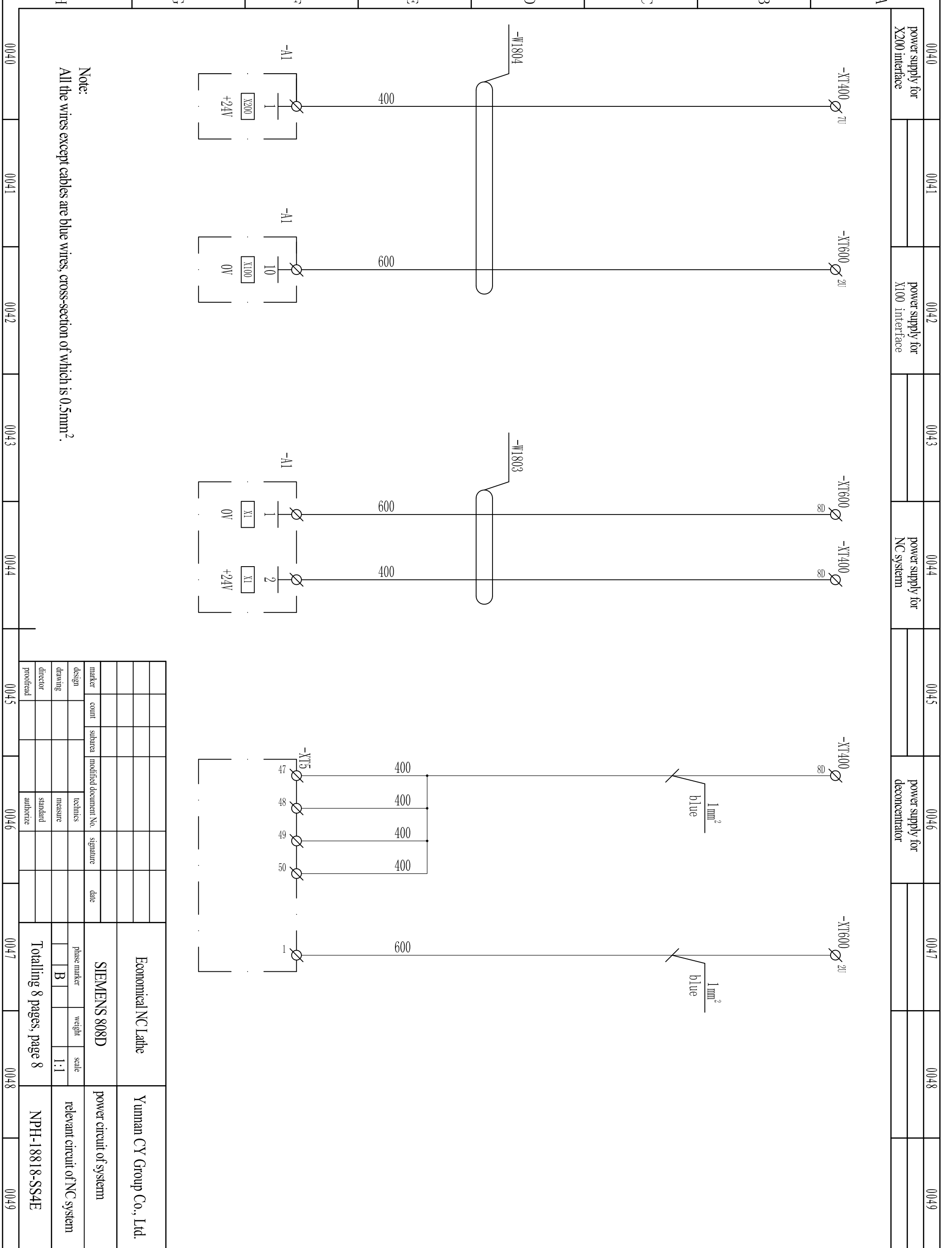
0030 0031 0032 0033 0034 0035 0036 0037 0038 0039

		Economical NCLathe			Yunnan CY Group Co., Ltd.			
marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale
design								
drawing						B		1:1
director								
proofread								
SIEMENS 808D							junction circuit of RS232 interface	
Totalling 8 pages, page 7							relevant circuit of NC system	
							NPH-18818-SS4E	

register of grafting
(general) parts
total number of
old source drawing
total number of
source drawing
signature
date

G
F
E
D
C
B
A
H

0040	0041	0042	0043	0044	0045	0046	0047	0048	0049
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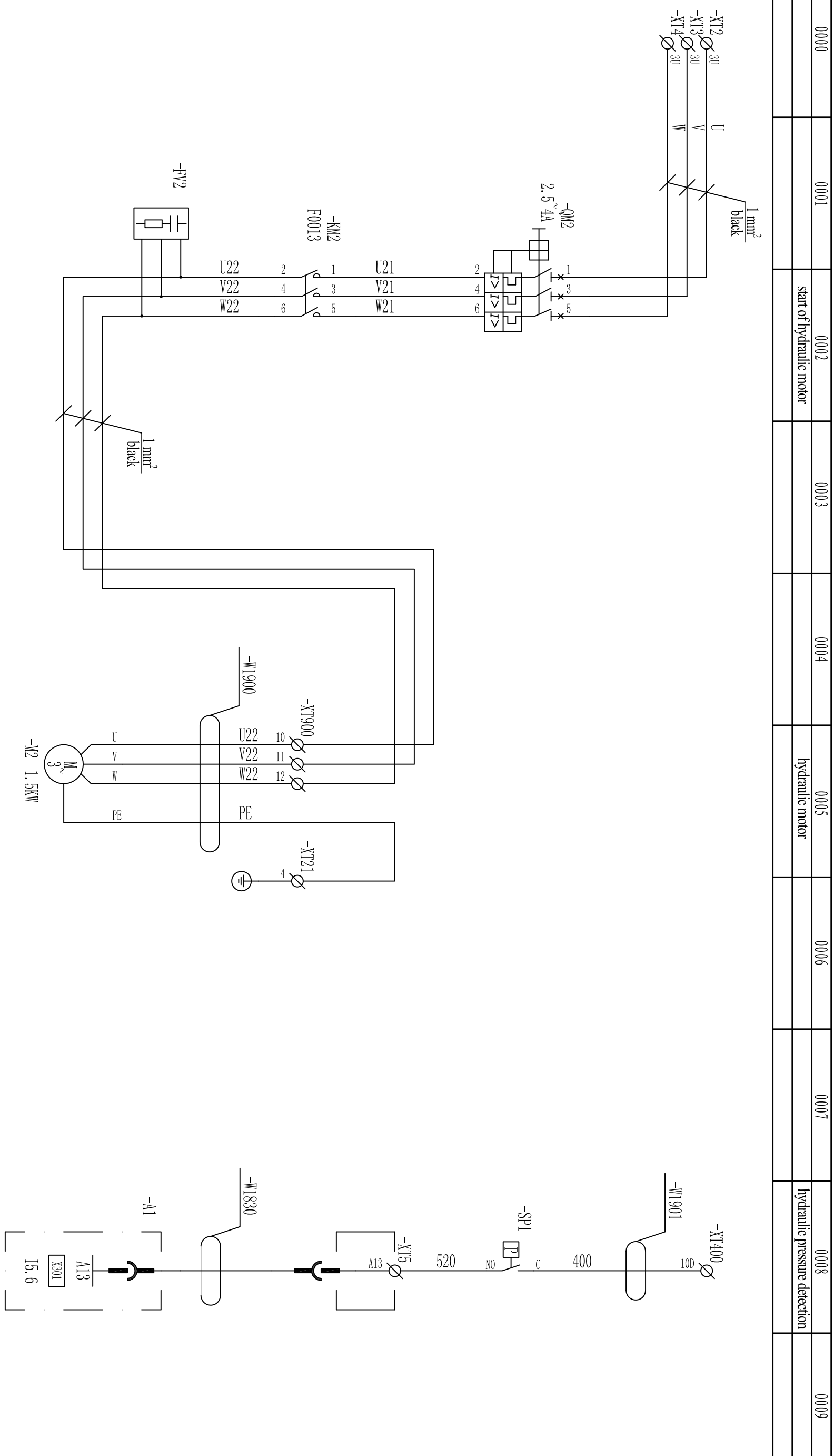
0040	0041	0042	0043	0044	0045	0046	0047	0048	0049
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register of grafting (general) parts									
total number of old source drawing									
total number of source drawing									
signature									
date									

0040	0041	0042	0043	0044	0045	0046	0047	0048	0049
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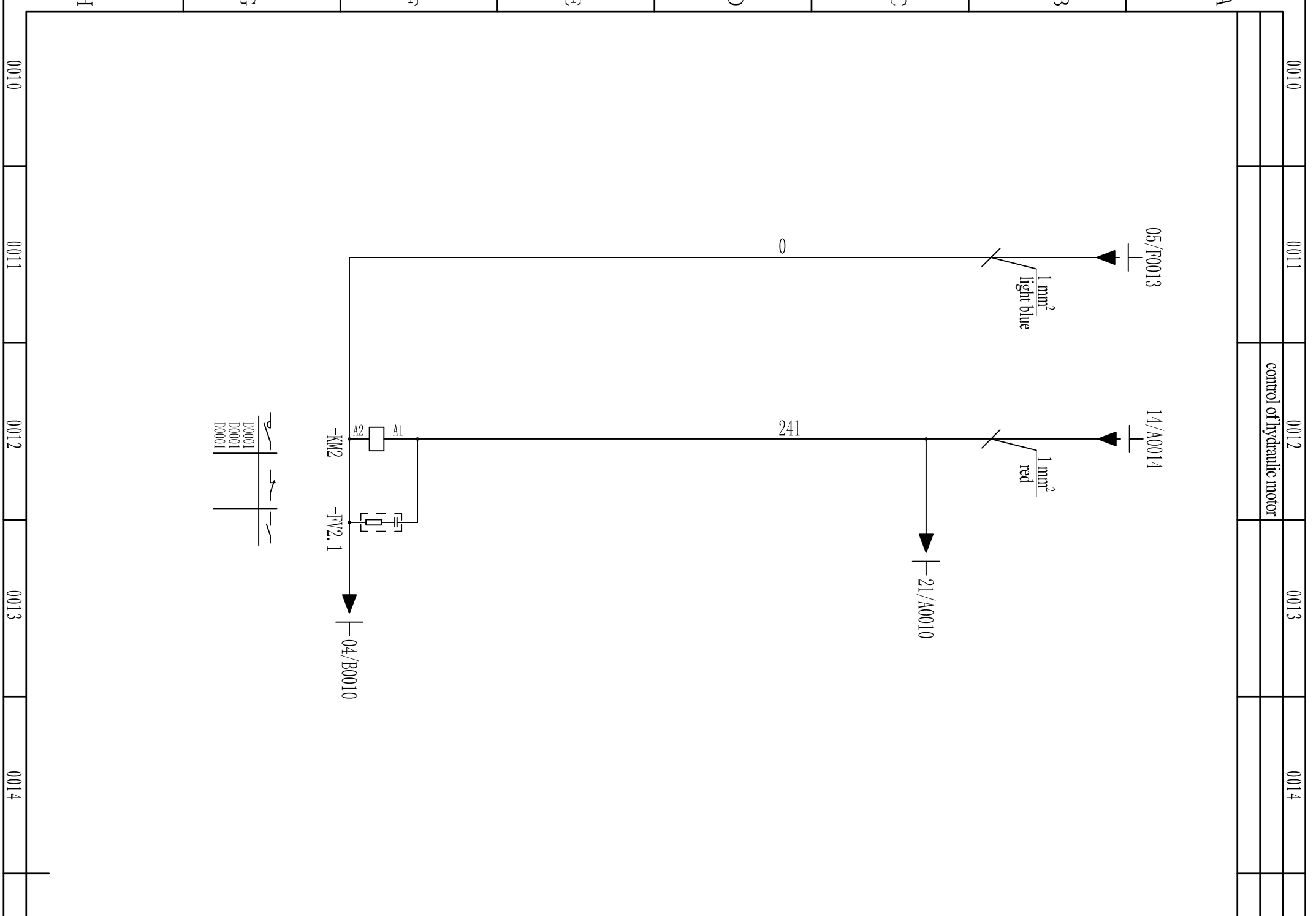
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design									
drawing									
director									
proofread									

Economical NCLathe	Yunnan CY Group Co., Ltd.
SIEMENS 808D	power circuit of system
phase marker	relevant circuit of NC system
weight	
scale	
Totalling 8 pages, page 8	NPH-18818-SS4E



0000	0001	0002	0003	0004	0005	0006	0007	0008	0009																																								
					start of hydraulic motor																																												
					hydraulic motor																																												
					hydraulic pressure detection																																												
<table border="1"> <tr> <td colspan="2">register of grafting (general) parts</td> <td colspan="2">G</td> <td colspan="2">Economical NCLathe</td> <td colspan="2">Yunnan CY Group Co., Ltd.</td> </tr> <tr> <td colspan="2">total number of old source drawing</td> <td colspan="2">G</td> <td colspan="2">SIEMENS 808D</td> <td colspan="2">circuit of hydraulic motor</td> </tr> <tr> <td colspan="2">total number of source drawing</td> <td colspan="2">H</td> <td colspan="2">phase marker</td> <td colspan="2">B</td> </tr> <tr> <td colspan="2">signature</td> <td colspan="2">H</td> <td colspan="2">weight</td> <td colspan="2">1:1</td> </tr> <tr> <td colspan="2">date</td> <td colspan="2">H</td> <td colspan="2">Totalling 1 page</td> <td colspan="2">NPH-18819-SS4E</td> </tr> </table>										register of grafting (general) parts		G		Economical NCLathe		Yunnan CY Group Co., Ltd.		total number of old source drawing		G		SIEMENS 808D		circuit of hydraulic motor		total number of source drawing		H		phase marker		B		signature		H		weight		1:1		date		H		Totalling 1 page		NPH-18819-SS4E	
register of grafting (general) parts		G		Economical NCLathe		Yunnan CY Group Co., Ltd.																																											
total number of old source drawing		G		SIEMENS 808D		circuit of hydraulic motor																																											
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signature		H		weight		1:1																																											
date		H		Totalling 1 page		NPH-18819-SS4E																																											

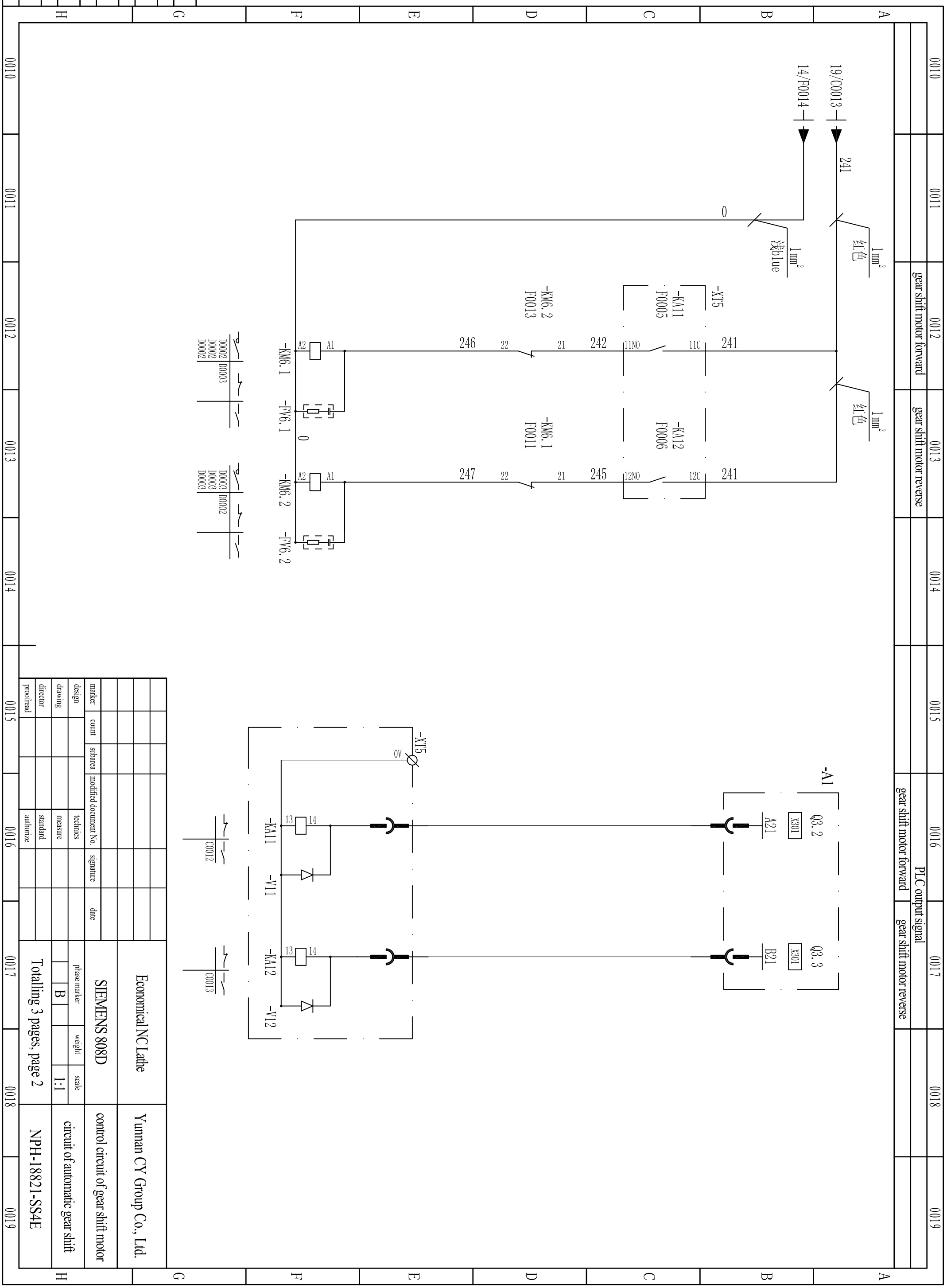
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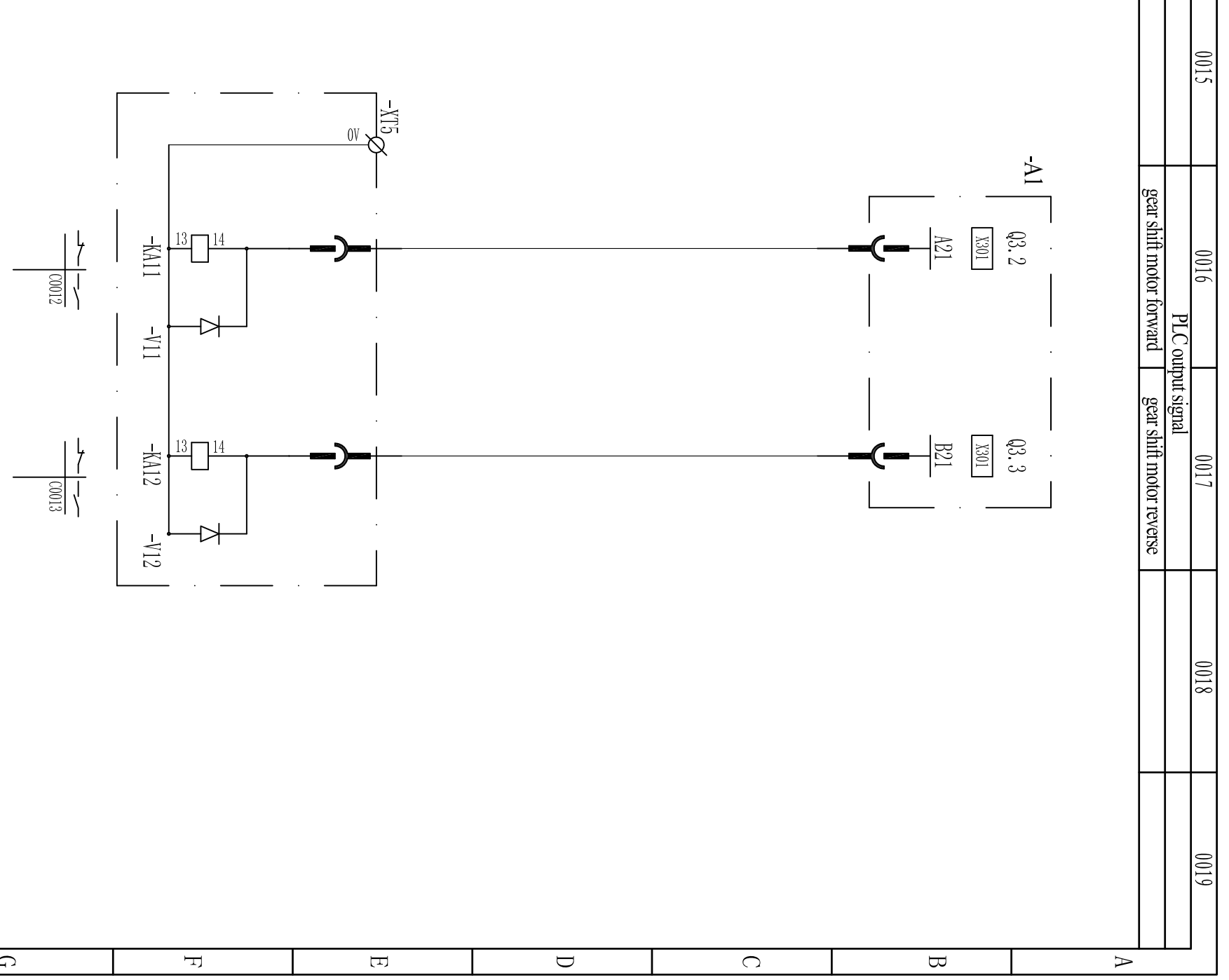
0010	0011	0012	0013	0014	0015	0016	0017	0018	0019																																							
					<table border="1"> <tr> <td>marker</td> <td>count</td> <td>subarea</td> <td>modified document No.</td> <td>signature</td> <td>date</td> </tr> <tr> <td>design</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>drawing</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>director</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>proofread</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		marker	count	subarea	modified document No.	signature	date	design						drawing						director						proofread						<table border="1"> <tr> <td>phase marker</td> <td>weight</td> <td>scale</td> </tr> <tr> <td>B</td> <td></td> <td>1:1</td> </tr> </table>		phase marker	weight	scale	B		1:1	<table border="1"> <tr> <td colspan="2">Totalling 1 page</td> </tr> </table>		Totalling 1 page	
marker	count	subarea	modified document No.	signature	date																																											
design																																																
drawing																																																
director																																																
proofread																																																
phase marker	weight	scale																																														
B		1:1																																														
Totalling 1 page																																																
<table border="1"> <tr> <td colspan="3">Economical NCLathe</td> <td colspan="3">Yunnan CY Group Co., Ltd.</td> </tr> <tr> <td colspan="3">SIEMENS 808D</td> <td colspan="3">circuit of hydraulic motor control</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">circuit of hydraulic system</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">NPH-18819-SS4E</td> </tr> </table>							Economical NCLathe			Yunnan CY Group Co., Ltd.			SIEMENS 808D			circuit of hydraulic motor control						circuit of hydraulic system						NPH-18819-SS4E																				
Economical NCLathe			Yunnan CY Group Co., Ltd.																																													
SIEMENS 808D			circuit of hydraulic motor control																																													
			circuit of hydraulic system																																													
			NPH-18819-SS4E																																													

0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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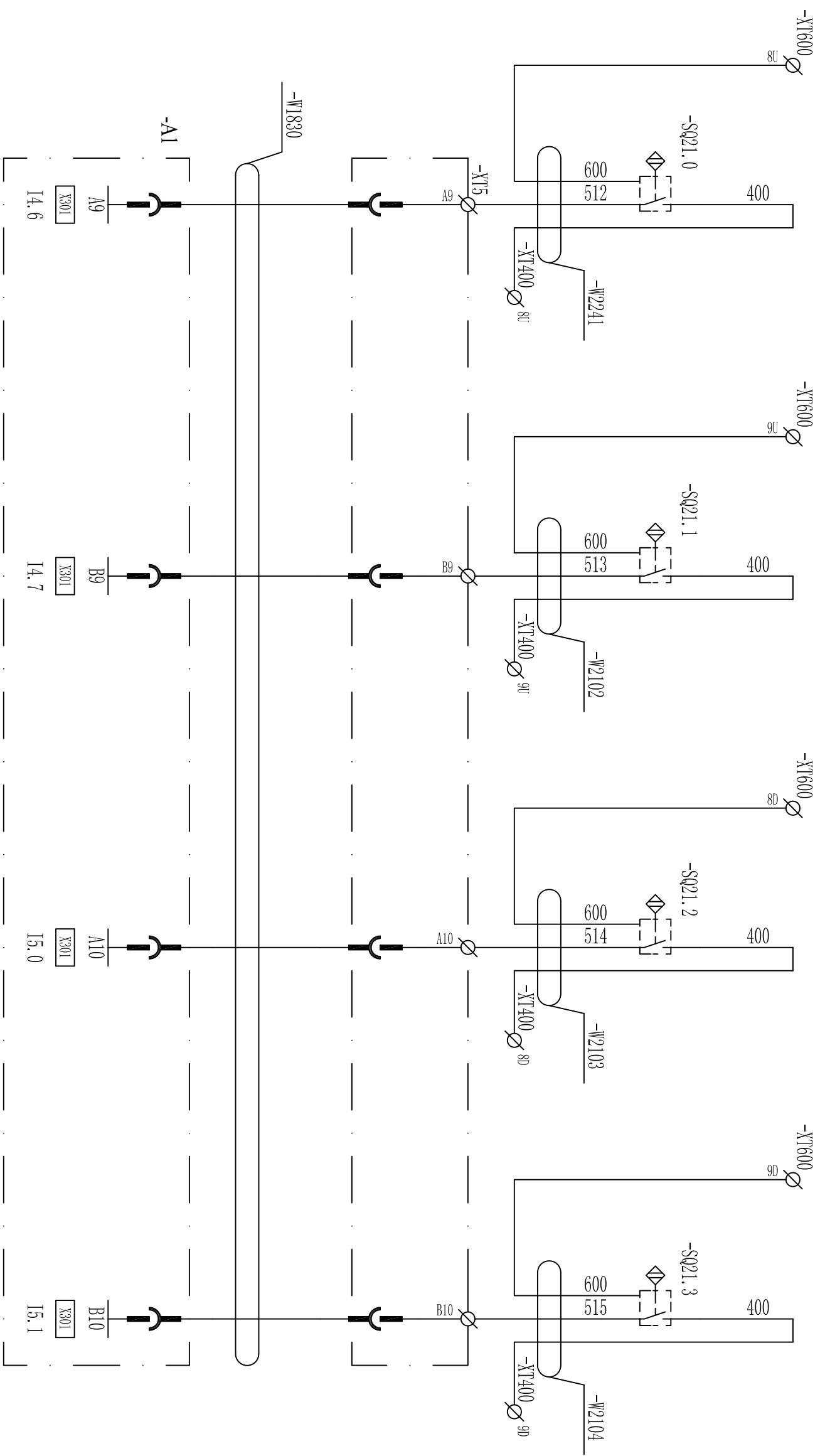


0010	0011	0012	0013	0014	0015	0016	0017	0018	0019
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Economicall NCLathe				Yunnan CY Group Co., Ltd.				
SIEMENS 808D				control circuit of gear shift motor				
circuit of automatic gear shift				NPH-18821-SS4E				
marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale
design						B		1:1
drawing								
director								
proofread								
Totalling 3 pages, page 2								

0020	0021	0022	0023	0024	0025	0026	0027	0028	0029
	neutral of spindle		low gear of spindle		middle gear of spindle		high gear of spindle		

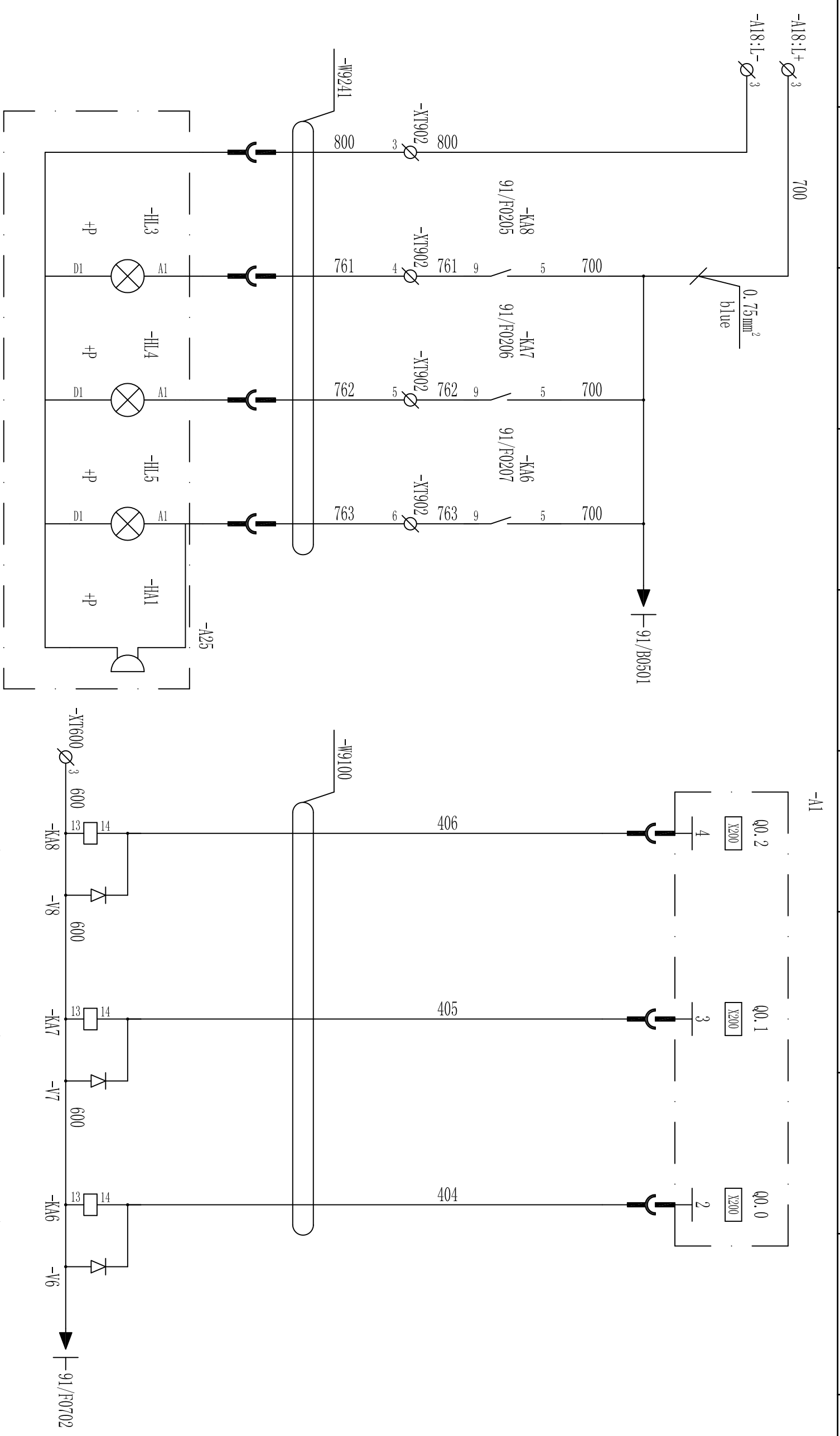


Note:
All the wires except cables are blue wires, cross-section of which is 0.5mm².

0020	0021	0022	0023	0024	0025	0026	0027	0028	0029
------	------	------	------	------	------	------	------	------	------

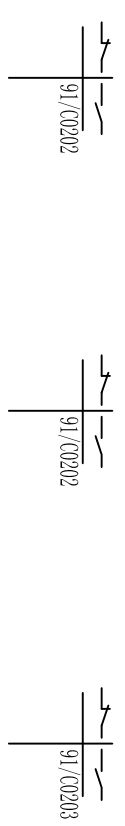
Economical NCLathe				Yunnan CY Group Co., Ltd.				
SIEMENS 808D				circuit of gear detection				
circuit of automatic gear shift				NPH-18821-SS4E				
marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale
design						B		1:1
drawing								
director								
proofread								
Totalling 3 pages, page 3								

0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
	red alarm lamp	yellow alarm lamp	green alarm lamp	buzzer	red alarm lamp	PLC output signal	yellow alarm lamp	green alarm lamp	



Note:
The buzzer and the red alarm lamp commonly use one PLC output signal.

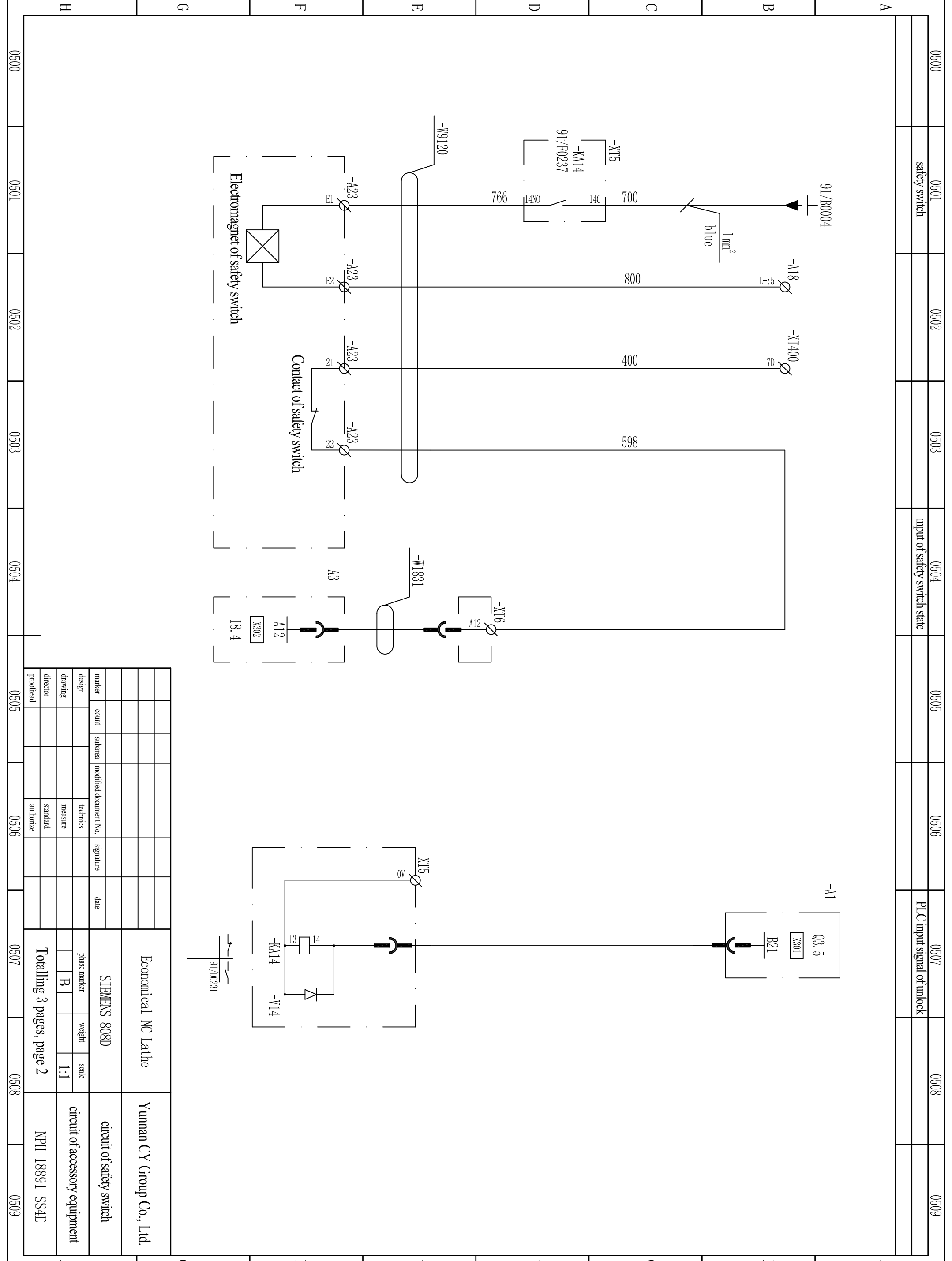
0000	0001	0002	0003	0004	0005	0006	0007	0008	0009
------	------	------	------	------	------	------	------	------	------



marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale	circuit of alarm lamp of the machine
design									circuit of accessory equipment
drawing						B			
director									
proofread									

Economical NC Lathe
SIEMENS 808D
Yunnan CY Group Co., Ltd.
Totalting 3 pages, page 1
NPH-18891-SS4E

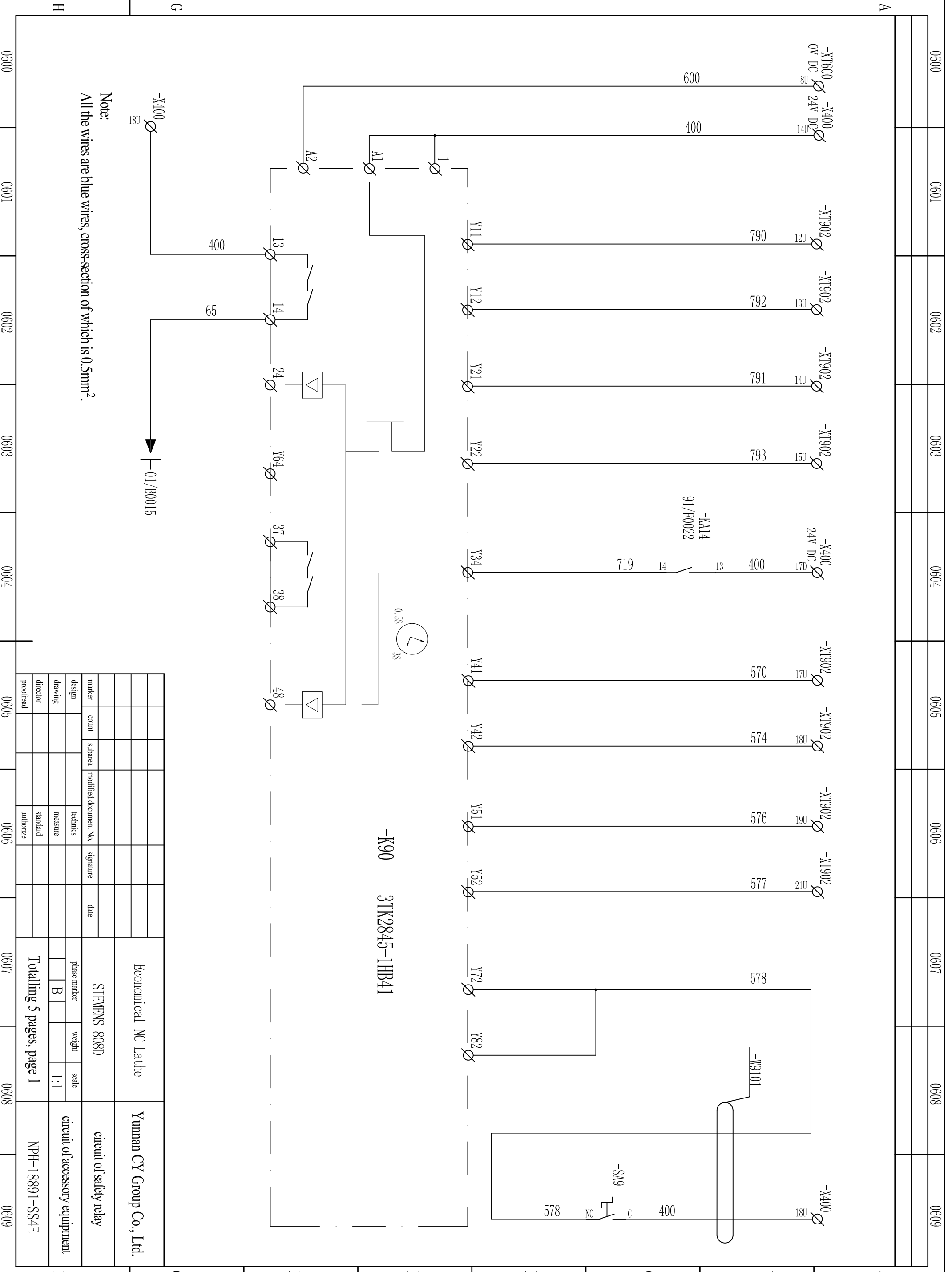
0500	0501	0502	0503	0504	0505	0506	0507	0508	0509
------	------	------	------	------	------	------	------	------	------



0500	0501	0502	0503	0504	0505	0506	0507	0508	0509
------	------	------	------	------	------	------	------	------	------

register of grafting (general) parts
 total number of old source drawing
 total number of source drawing
 signature
 date

Economical NC Lathe				Yunnan CY Group Co., Ltd.				
SIEMENS 808D				circuit of safety switch				
circuit of accessory equipment				NPH-18891-SS4E				
marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale
design						B		1:1
drawing						Totalling 3 pages, page 2		
director						NPH-18891-SS4E		
proofread								

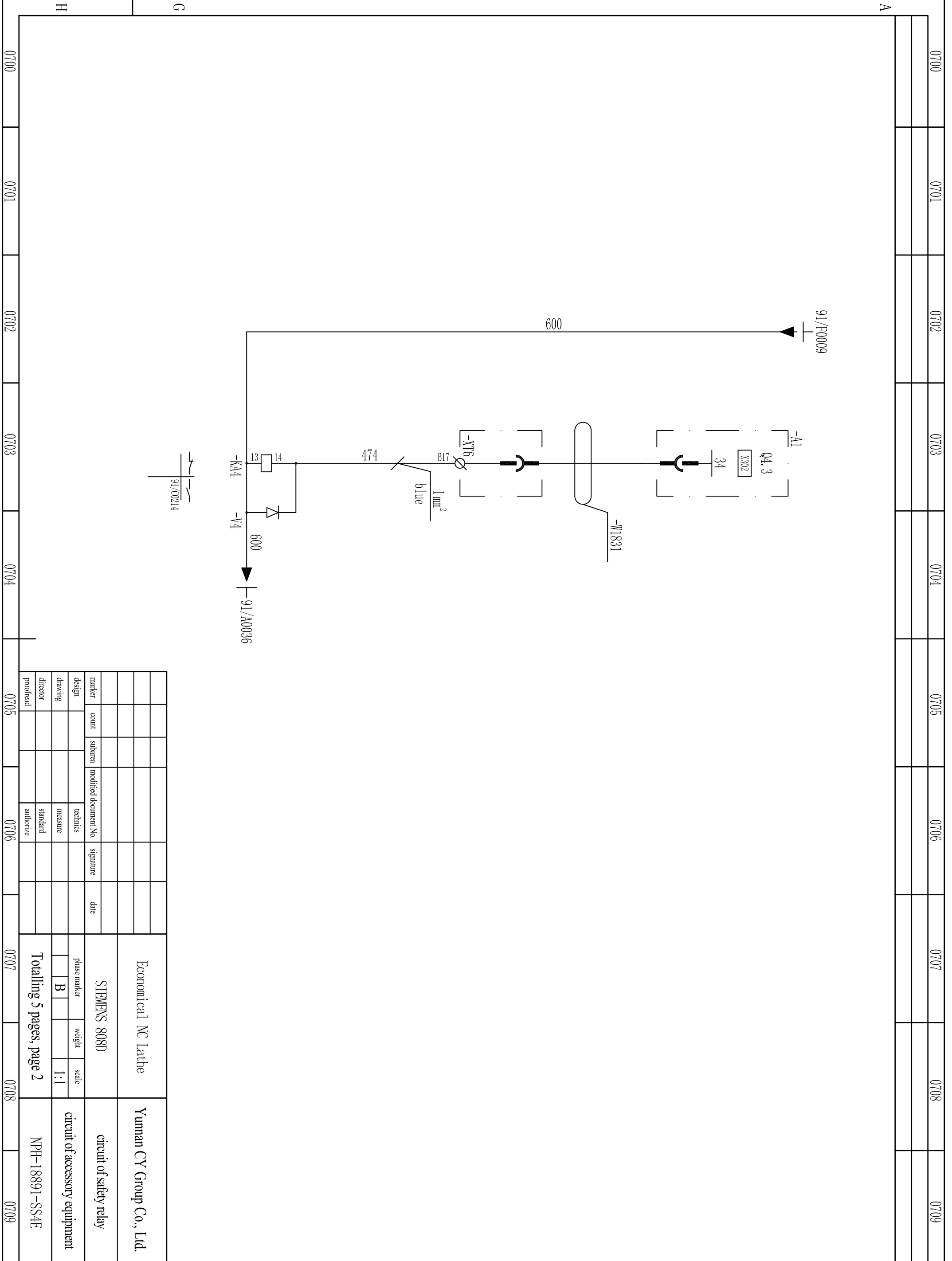


Note:
All the wires are blue wires, cross-section of which is 0.5mm².

-K90 3TK2845-1HB41

Economic NC Lathe				Yunnan CY Group Co., Ltd.	
SIEMENS 808D				circuit of safety relay	
circuit of accessory equipment				NPH-18891-SS4E	
marker	count	subarea	modified document No.	signature	date
design			technics		
drawing			measure		
director			standard		
proofread			authorize		
Totaling 5 pages, page 1			phase marker	weight	scale
			B		1:1

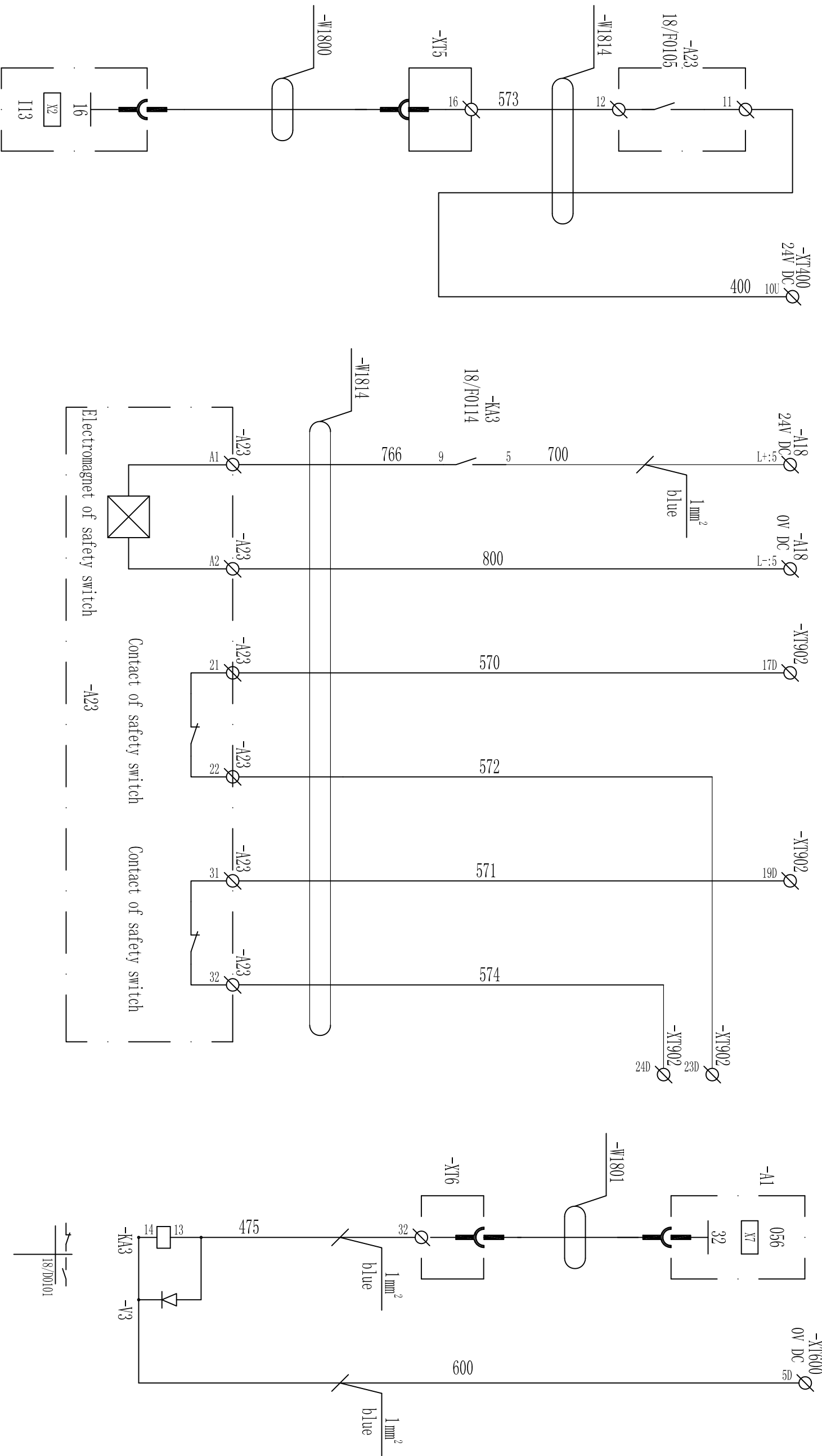
register of grafting (general) parts
 total number of old source drawing
 total number of source drawing
 signature
 date



0700 0701 0702 0703 0704 0705 0706 0707 0708 0709

marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale	Yunnan CY Group Co., Ltd.
design									Economical NC Lathe
drawing						B			
director									
proofread									
						Totalling 5 pages, page 2			Yunnan CY Group Co., Ltd.
									circuit of safety relay
									circuit of accessory equipment
									NPH-18891-SS4E

0705 0706 0707 0708 0709



0800 0801 0802 0803 0804 0805 0806 0807 0808 0809

total number of old source drawing
 total number of source drawing
 signature
 date

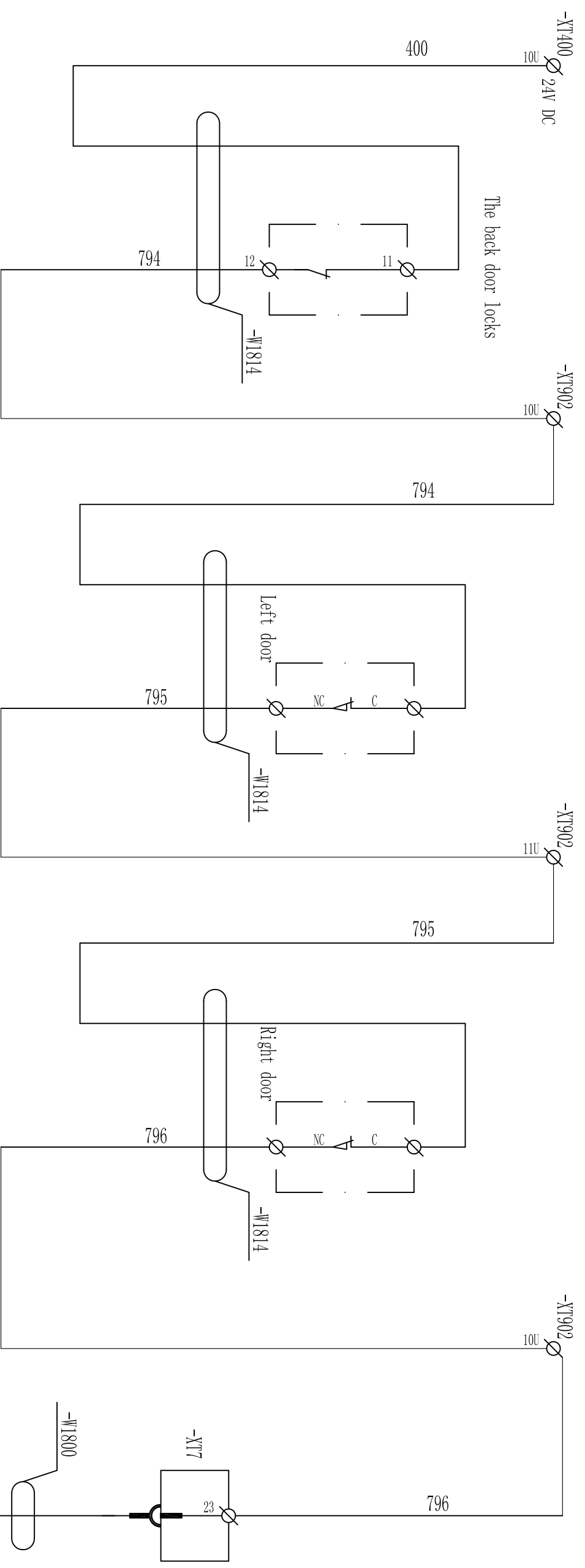
register of grafting (general) parts		G	
total number of old source drawing		H	
total number of source drawing		H	
signature		H	
date		H	

0800	0801	0802	0803	0804	0805	0806	0807	0808	0809
------	------	------	------	------	------	------	------	------	------

0800	0801	0802	0803	0804	0805	0806	0807	0808	0809
------	------	------	------	------	------	------	------	------	------

0805	0806	0807	0808	0809
marker	count	subarea	modified document No.	signature
design			technics	
drawing			measure	
director			standard	
proofread			authorize	

Economical NC Lathe	Yunnan CY Group Co., Ltd.
SIEMENS 808D	circuit of safety relay
phase marker	
weight	
scale	1:1
Totalling 5 pages, page 3	
	circuit of accessory equipment
	NPH-18891-SS4E

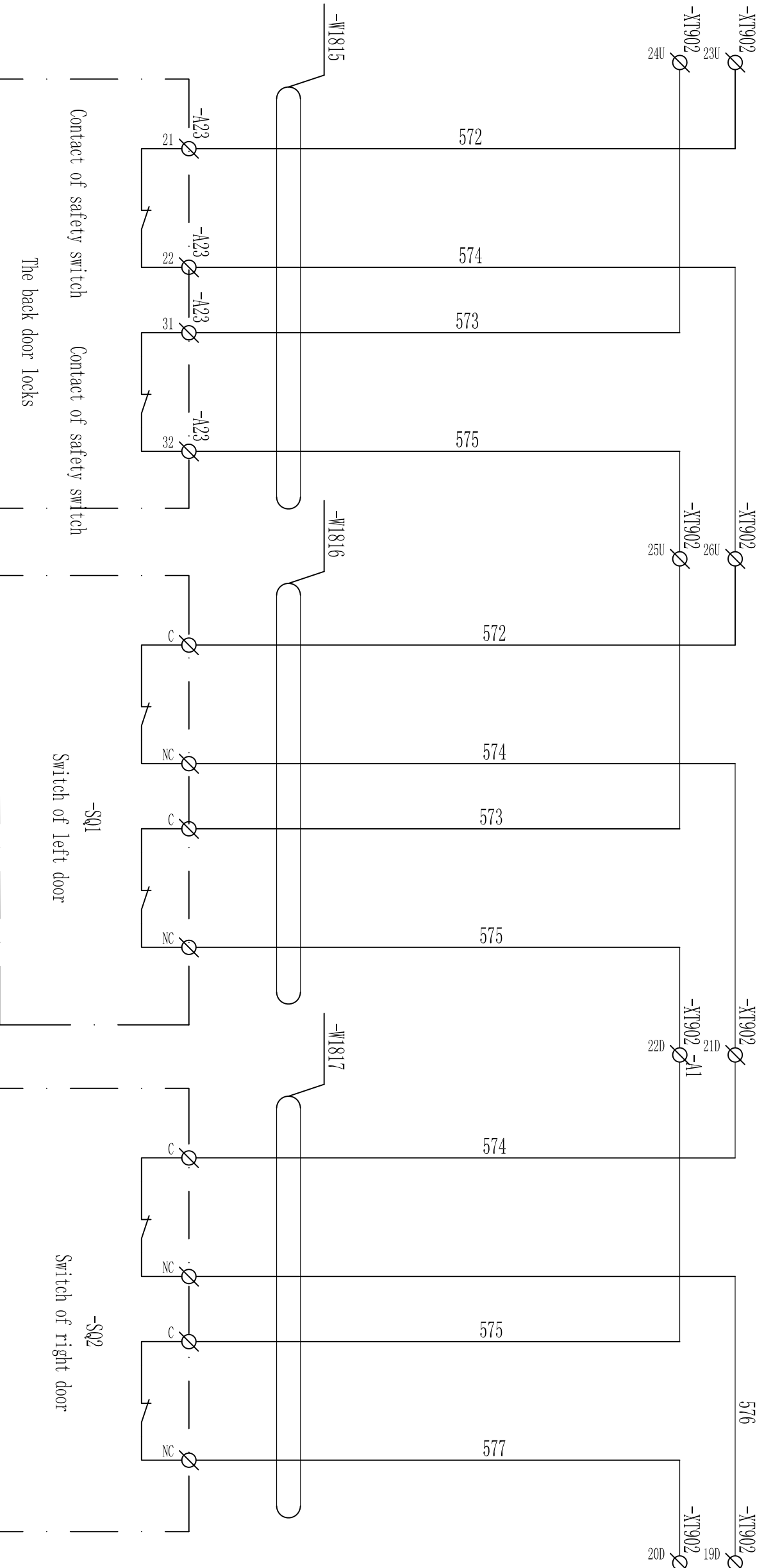


A									
0800									
0801									
0802									
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0804									
0805									
0806									
0807									
0808									
0809									
B									
C									
D									
E									
F									
G									
H									

total number of old source drawing	total number of source drawing	signature	date

Economic NC Lathe				Yunnan CY Group Co., Ltd.				
marker	count	subarea	modified document No.	signature	date	phase marker	weight	scale
design						B		1:1
drawing						Totalling 5 pages, page 4		circuit of accessory equipment
director						NPH-18891-SS4E		
proofread								

0800	0801	0802	0803	0804	0805	0806	0807	0808	0809
------	------	------	------	------	------	------	------	------	------



0800	0801	0802	0803	0804	0805	0806	0807	0808	0809																																																		
<table border="1"> <tr> <td colspan="4">Economic NC Lathe</td> <td colspan="2">Yunnan CY Group Co., Ltd.</td> </tr> <tr> <td colspan="4">SIEMENS 808D</td> <td colspan="2">circuit of safety relay</td> </tr> <tr> <td colspan="4">circuit of accessory equipment</td> <td colspan="2">NPH-18891-SS4E</td> </tr> </table>										Economic NC Lathe				Yunnan CY Group Co., Ltd.		SIEMENS 808D				circuit of safety relay		circuit of accessory equipment				NPH-18891-SS4E																																	
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SIEMENS 808D				circuit of safety relay																																																							
circuit of accessory equipment				NPH-18891-SS4E																																																							
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0800	0801	0802	0803	0804	0805	0806	0807	0808	0809										
<table border="1"> <tr> <td>register of grafting (general) parts</td> <td>G</td> </tr> <tr> <td>total number of old source drawing</td> <td></td> </tr> <tr> <td>total number of source drawing</td> <td></td> </tr> <tr> <td>signature</td> <td>H</td> </tr> <tr> <td>date</td> <td></td> </tr> </table>										register of grafting (general) parts	G	total number of old source drawing		total number of source drawing		signature	H	date	
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total number of old source drawing																			
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signature	H																		
date																			