

Instrument Wiring Diagram

File Number :F112-EC-ES-04 Rev.3

L'Amali Line 2 - EPC Project

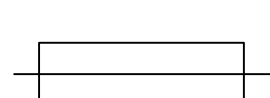
 Sinoma Overseas Development Co.,Ltd



ELECTRICAL ROOM

FIELD

I/O PANEL

AI		
+24V	@01	
S	@02	
0V		
	SE	

@01

@02

@S01

(4~20mA) DJYPVP2 1x2x1.0

@01

@02

@T1		
TEMP. TRANSMITTER		
+		A
-		B
		C

@S02

KVVRP 4x1.0

@TE1

Pt100

NOTE : @ MEANS TAG NAME.

For Approval

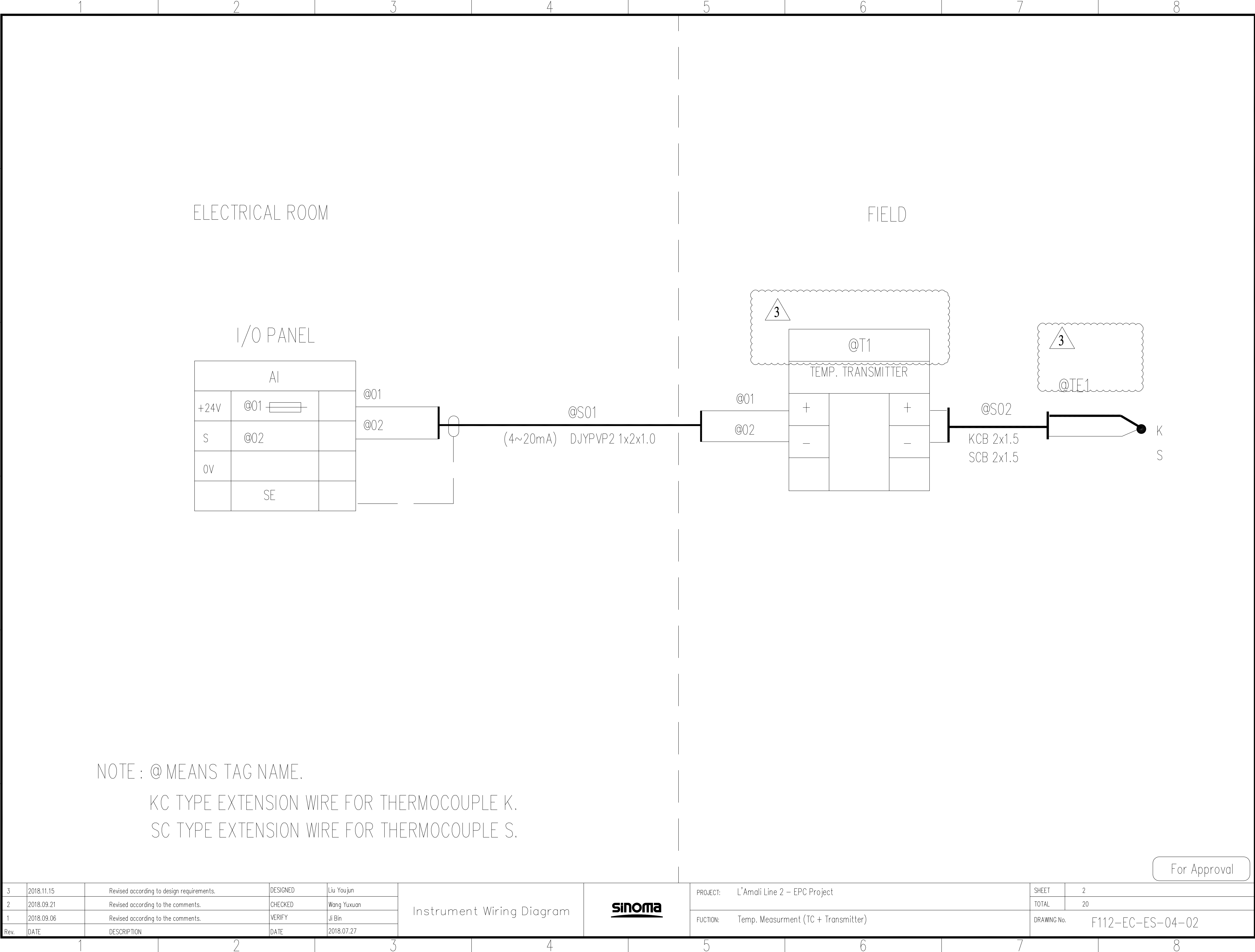
3	2018.11.15	Revised according to design requirements.	DESIGNED	Liu Youjun
2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan
1	2018.09.06	Revised according to the comments.	VERIFY	Ji Bin
Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

**sinoma**

PROJECT:	L'Amali Line 2 – EPC Project
FICTION:	Temp. Measurment (PT100 + Transmitter)

SHEET	1
TOTAL	20
DRAWING No.	F112-EC-ES-04-01



For Approval

3	2018.11.15	Revised according to design requirements.	DESIGNED	Liu Youjun
2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan
1	2018.09.06	Revised according to the comments.	VERIFY	Ji Bin
Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

**sinoma**

PROJECT:	L'Amali Line 2 – EPC Project
FUNCTION:	Temp. Measurement (TC + Transmitter)

SHEET	2
TOTAL	20
DRAWING No.	F112-EC-ES-04-02

ELECTRICAL ROOM

FIELD

I/O PANEL

AI		
+24V	@01	
S	@02	
0V		
	SE	

@01

@02

@S01

(4~20mA) DJYPVP2 1x2x1.0

@01

@02

3

@P1

PRESSURE TRANSMITTER

+

-

G15

@PE1

3

NOTE : @ MEANS TAG NAME.

For Approval

3	2018.11.15	Revised according to design requirements.	DESIGNED	Liu Youjun
2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan
1	2018.09.06	Revised according to the comments.	VERIFY	Ji Bin
Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

**sinoma**

PROJECT: L'Amali Line 2 – EPC Project

FUCTION: Pressure Transmitter

SHEET 3

TOTAL 20

DRAWING No. F112-EC-ES-04-03

A

B

C

D

E

F

A

B

C

D

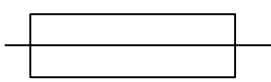
E

F

ELECTRICAL ROOM

FIELD

I/O PANEL

AI		
+24V	@01	
S	@02	
0V		
	SE	

@01

@02

@S01

(4~20mA) DJYPVP2 1x2x1.0

@01

@02

3

@P1

DP TRANSMITTER

+

-

G15

G15

@PEb

3

@PEa

NOTE : @ MEANS TAG NAME.

For Approval

3	2018.11.15	Revised according to design requirements.	DESIGNED	Liu Youjun
2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan
1	2018.09.06	Revised according to the comments.	VERIFY	Ji Bin
Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

**sinoma**

PROJECT: L'Amali Line 2 – EPC Project

FUCTION: Differential Pressure Transmitter

SHEET

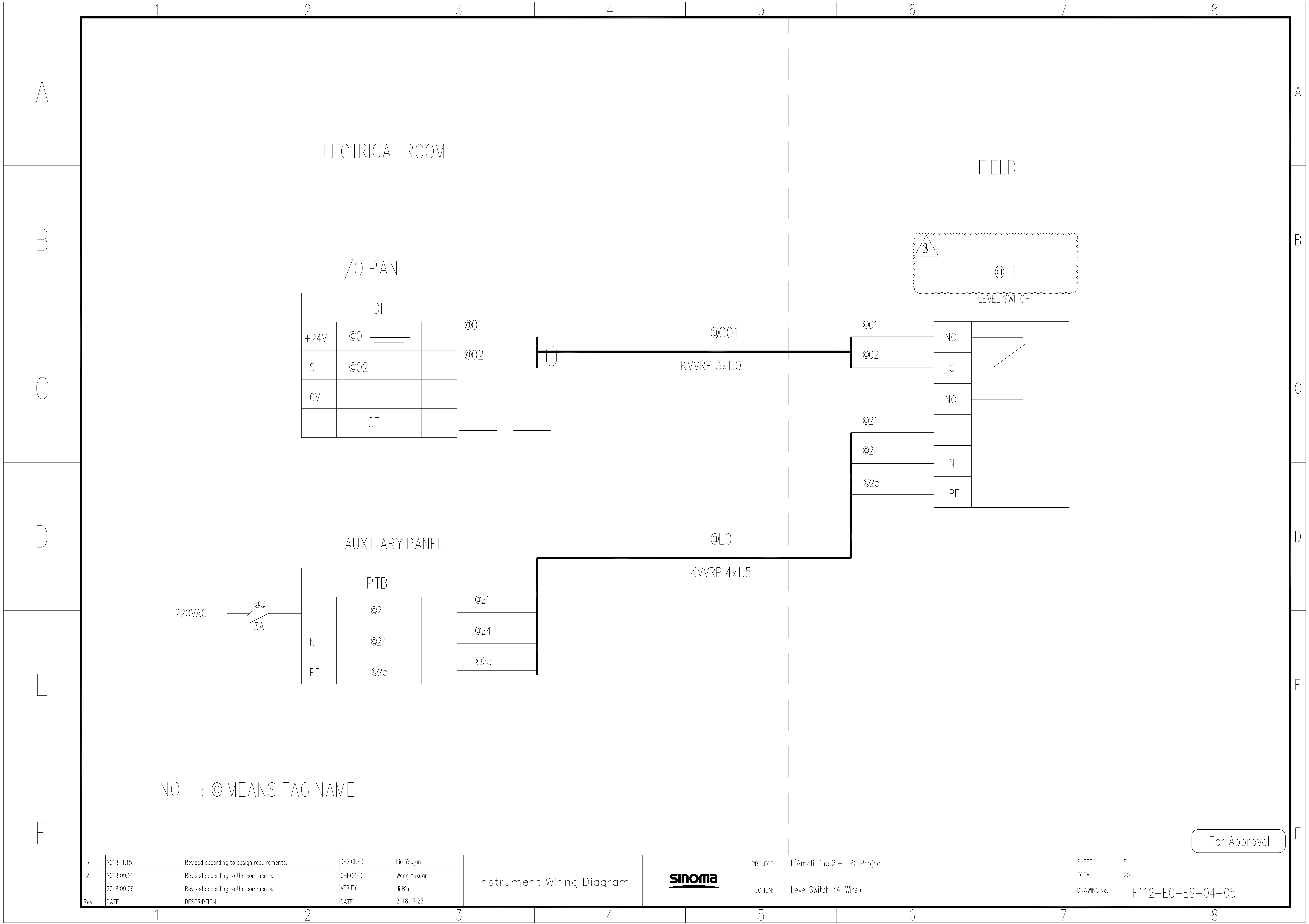
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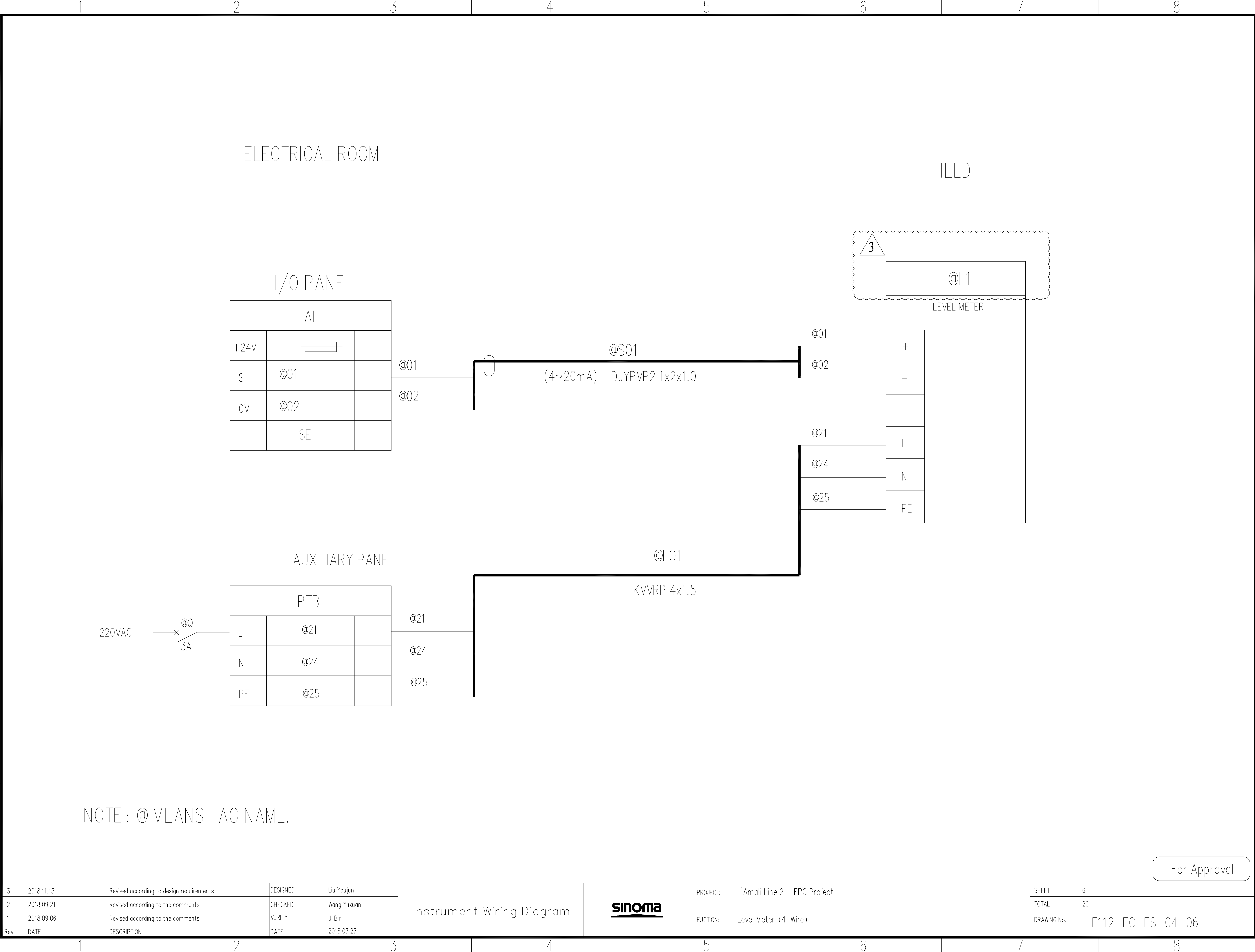
TOTAL

20

DRAWING No.

F112-EC-ES-04-04





For Approval

3	2018.11.15	Revised according to design requirements.	DESIGNED	Liu Youjun	Instrument Wiring Diagram		PROJECT: L'Amali Line 2 – EPC Project	SHEET	6
2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan				TOTAL	20
1	2018.09.06	Revised according to the comments.	VERIFY	Ji Bin			FUCTION: Level Meter (4-Wire)	DRAWING No. F112-EC-ES-04-06	
Rev.	DATE	DESCRIPTION	DATE	2018.07.27					



A

B

C

D

E

F

A

B

C

D

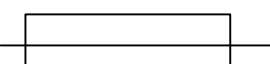
E

F

ELECTRICAL ROOM

FIELD

I/O PANEL

AI		
+24V	@01	
S	@02	
0V		
	SE	

@01

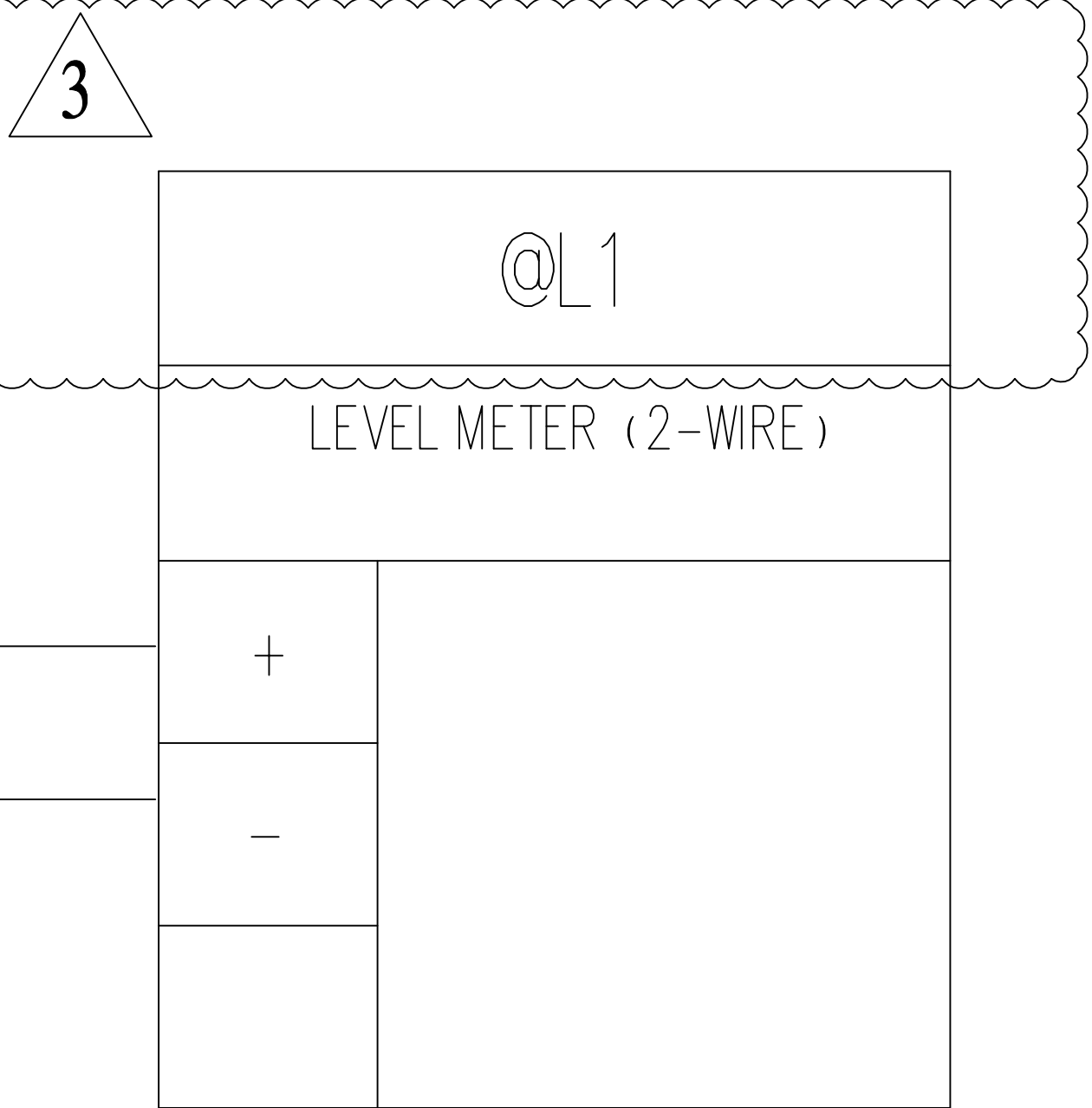
@02

@S01

(4~20mA) DJYPVP2 1x2x1.0

@01

@02



NOTE : @ MEANS TAG NAME.

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Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

**sinoma**

PROJECT: L'Amali Line 2 – EPC Project

FUCTION: Level Meter (2-Wire)

SHEET  
TOTAL

7  
20

DRAWING No.

F112-EC-ES-04-07

A

B

C

D

E

F

A

B

C

D

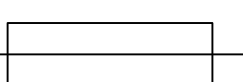
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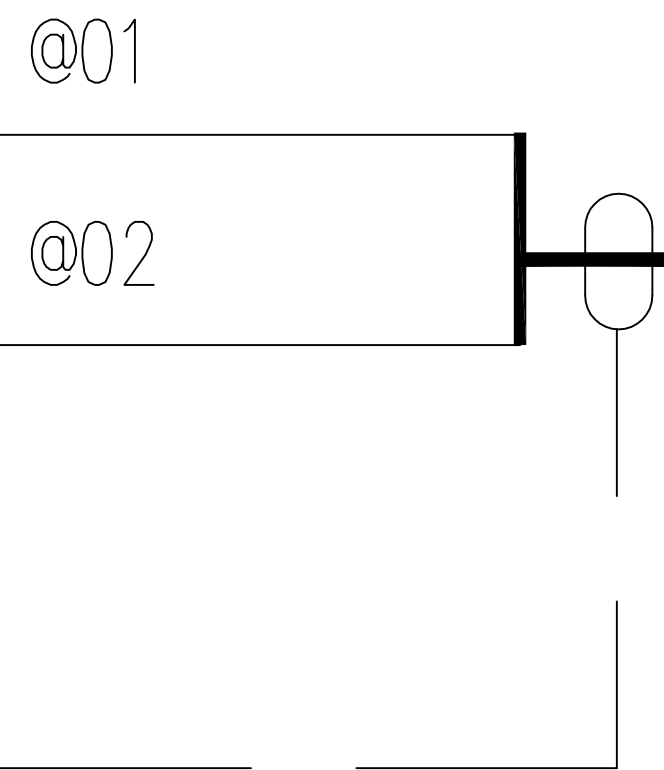
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ELECTRICAL ROOM

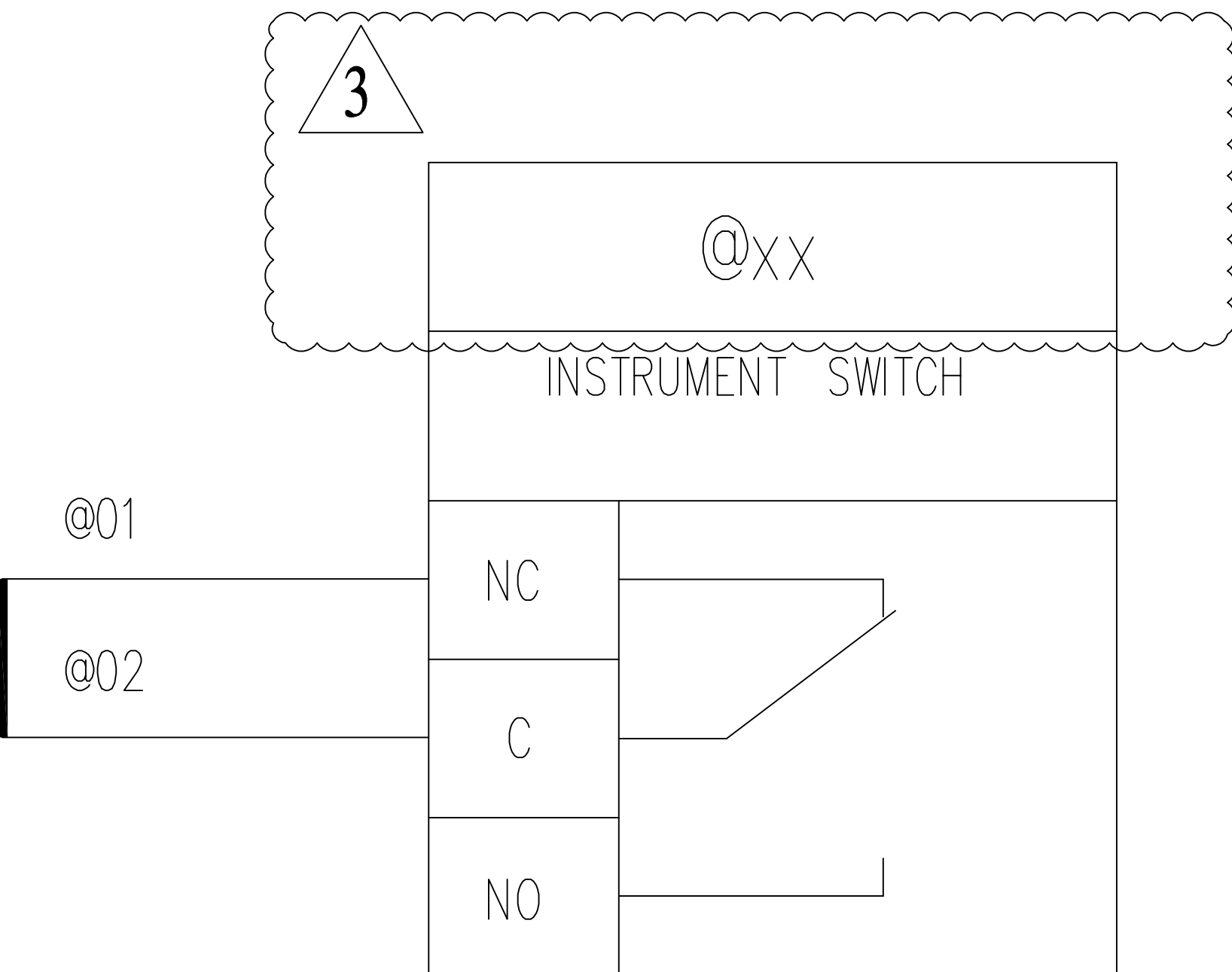
FIELD

I/O PANEL

DI		
+24V	@01 	
S	@02	
0V		
	SE	



@C01  
KVVRP 3x1.0



NOTE : @ MEANS TAG NAME.

XX MEANS SWITCH PURPOSE,EXAMPLE: TS PS PdS

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2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan
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Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

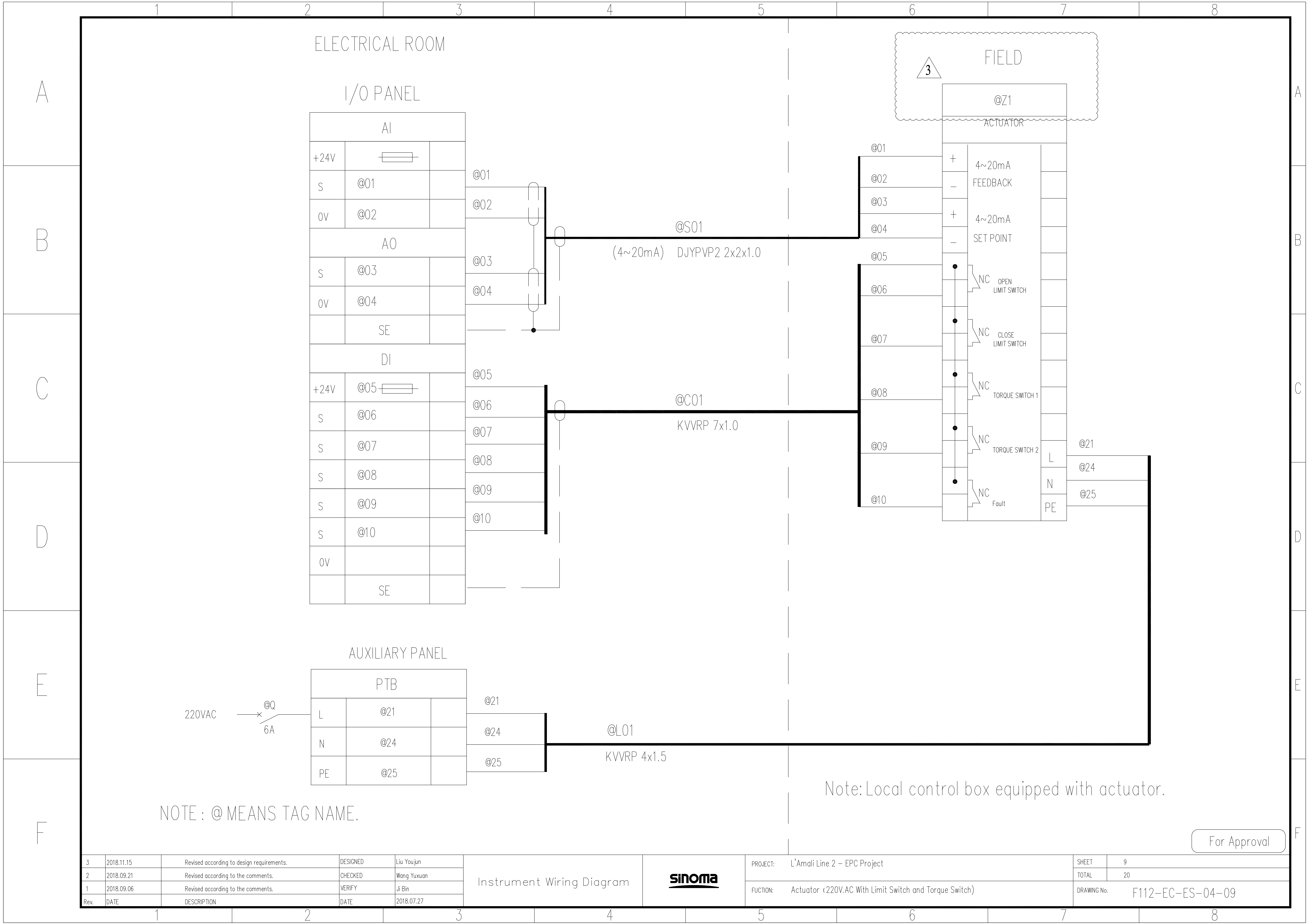
**sinoma**

PROJECT: L'Amali Line 2 – EPC Project

FUCTION: Instrument Switch

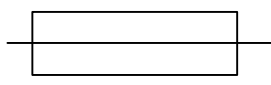
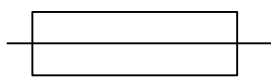
SHEET	8
TOTAL	20

DRAWING No. F112-EC-ES-04-08



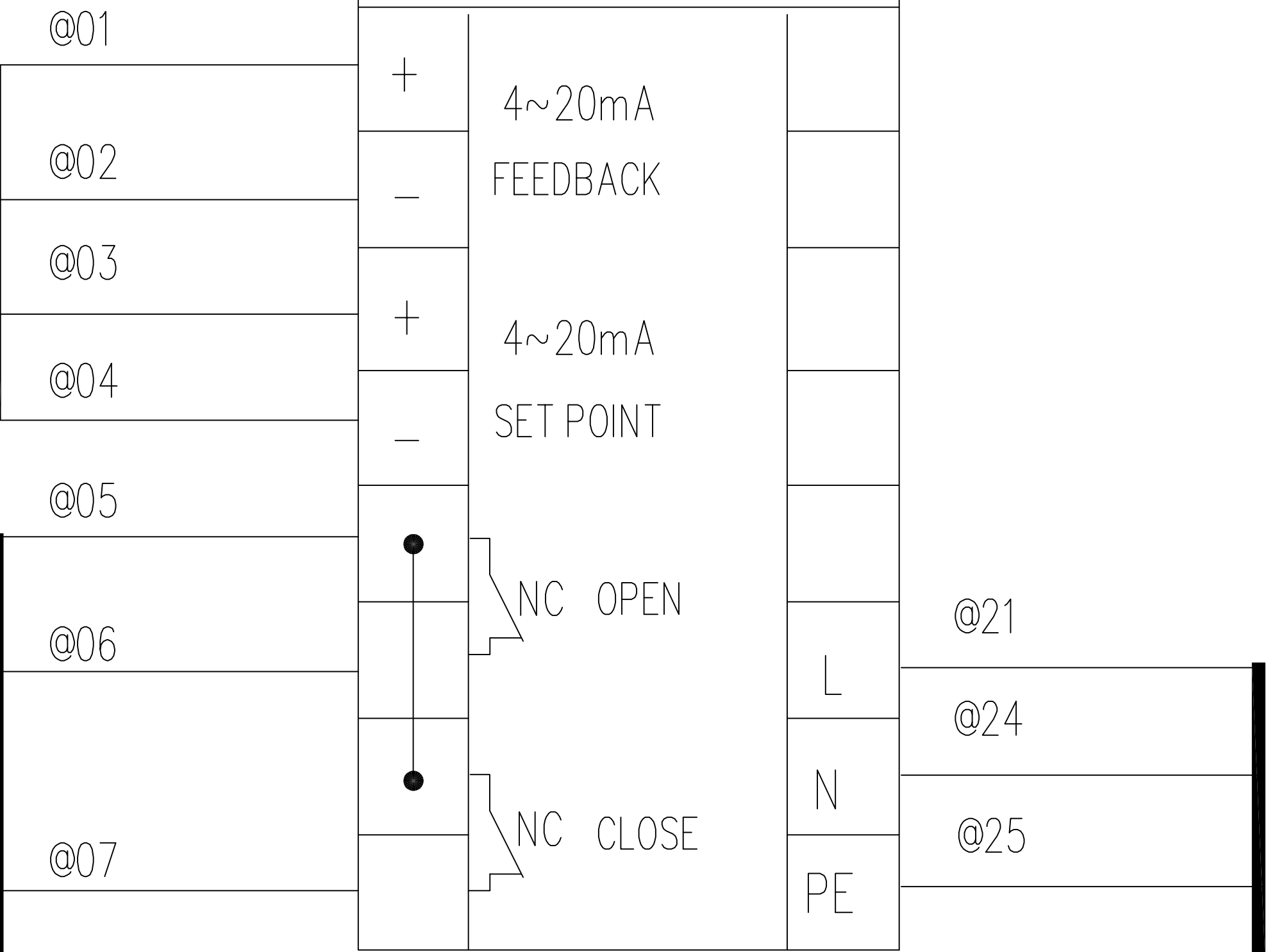
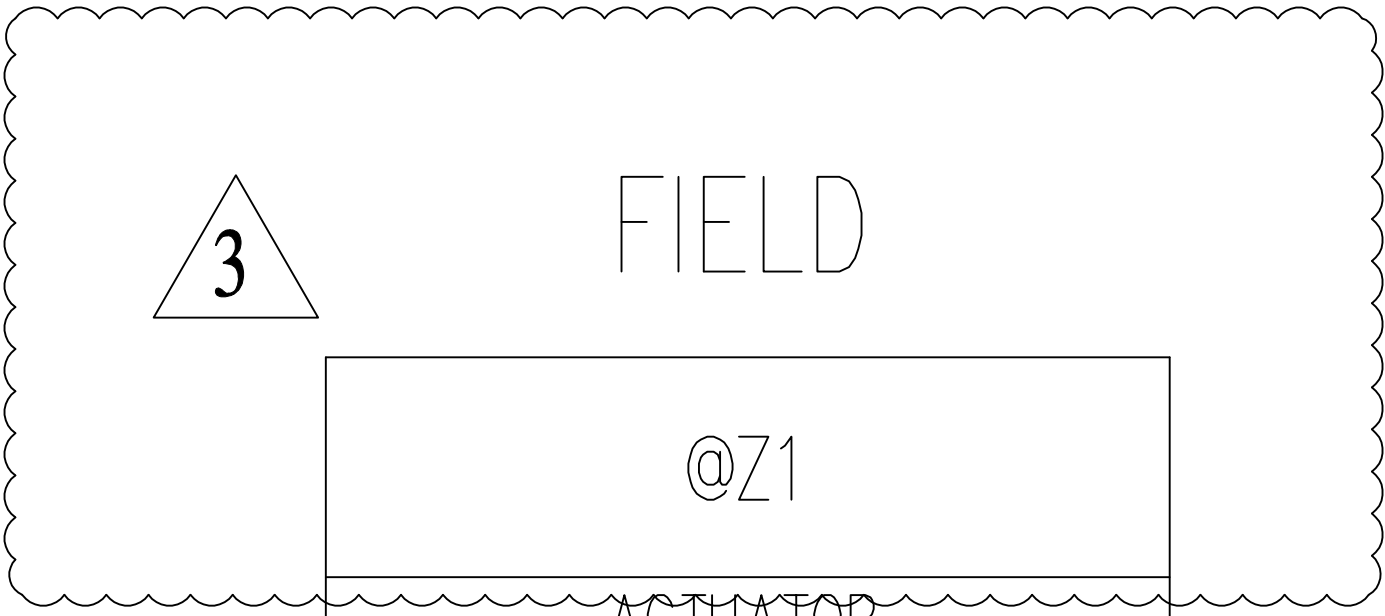
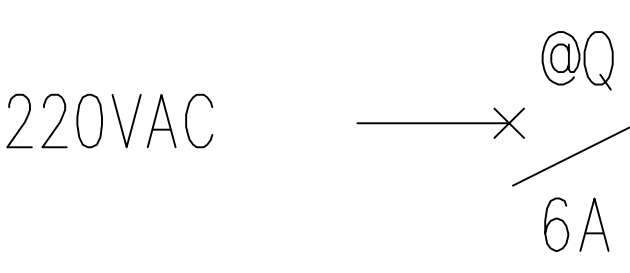
ELECTRICAL ROOM

I/O PANEL

AI		
+24V		
S	@01	
0V	@02	
AO		
S	@03	
0V	@04	
	SE	
DI		
+24V	@05	
S	@06	
S	@07	
0V		
	SE	

AUXILIARY PANEL

PTB		
L	@21	
N	@24	
PE	@25	



@S01  
(4~20mA) DJYPVP2 2x2x1.0

@C01  
KVVRP 4x1.0

@L01  
KVVRP 4x1.5

NOTE : @ MEANS TAG NAME.

Note: Local control box equipped with actuator.

For Approval

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Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

**sinoma**

PROJECT: L'Amali Line 2 – EPC Project

FUCTION: Actuator (220V.AC With Limit Switch)

SHEET

10

TOTAL

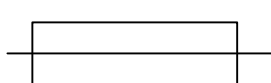
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DRAWING No.

F112-EC-ES-04-10

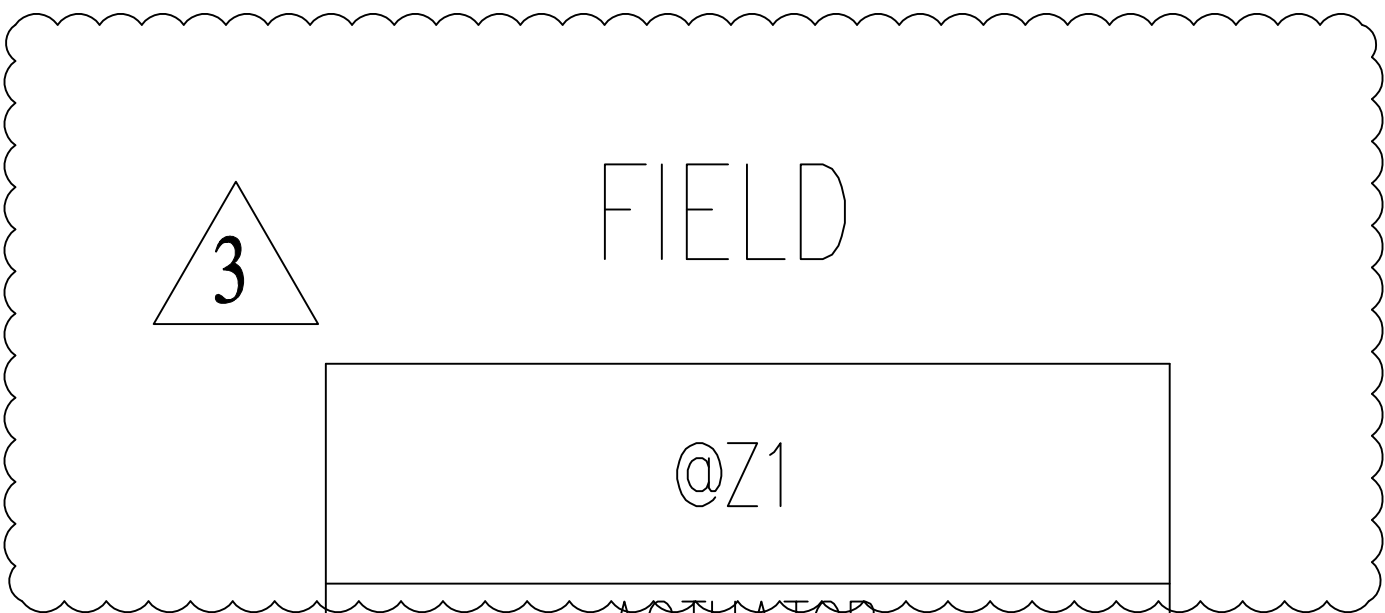
ELECTRICAL ROOM

I/O PANEL

AI		
+24V		
S	@01	
0V	@02	
AO		
S	@03	
0V	@04	
	SE	

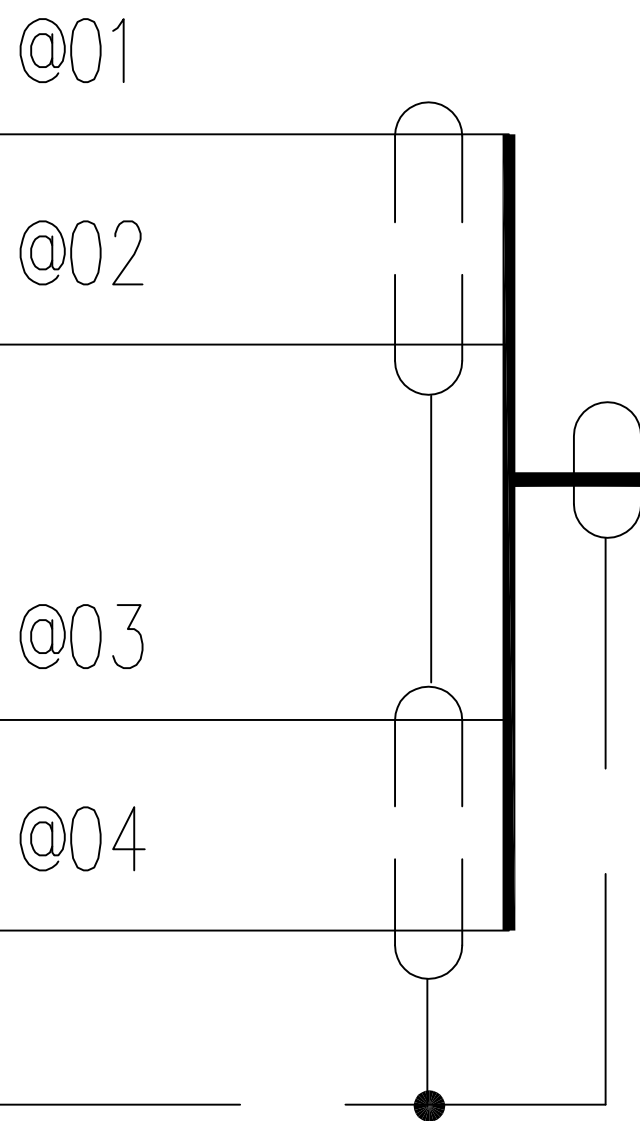
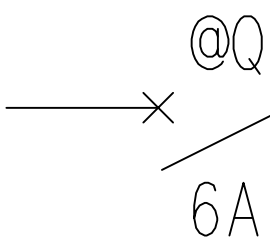
AUXILIARY PANEL

PTB		
L	@21	
N	@24	
PE	@25	



@Z1		
ACTUATOR		
+	4~20mA	
-	FEEDBACK	
+	4~20mA	
-	SET POINT	
L		
N		
PE		

220VAC



@S01  
(4~20mA) DJYPVP2 2x2x1.0

@L01

KVVRP 4x1.5

NOTE : @ MEANS TAG NAME.

Note:Local control box equipped with actuator.

For Approval

3	2018.11.15	Revised according to design requirements.	DESIGNED	Liu Youjun
2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan
1	2018.09.06	Revised according to the comments.	VERIFY	Ji Bin
Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

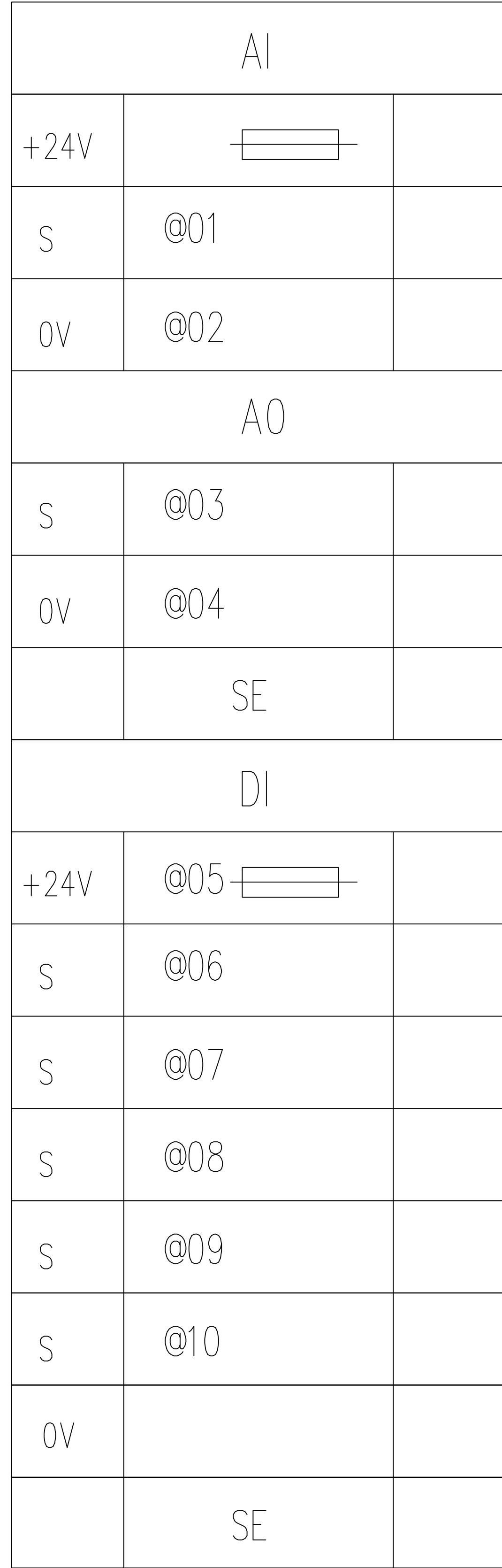
**sinoma**

PROJECT: L'Amali Line 2 – EPC Project

FUCTION: Actuator (220V.AC)

SHEET	11
TOTAL	20

DRAWING No. F112-EC-ES-04-11

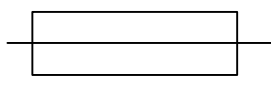
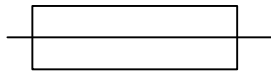


For Approval )

3	2018.11.15	Revised according to design requirements.	DESIGNED	Liu Youjun	Instrument Wiring Diagram		PROJECT:	L'Amali Line 2 – EPC Project	SHEET	12
2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan					TOTAL	20
1	2018.09.06	Revised according to the comments.	VERIFY	Ji Bin			FUNCTION:	Actuator (380V.AC With Limit Switch and Torque Switch)	DRAWING No.	F112-EC-ES-04-12
Rev.	DATE	DESCRIPTION	DATE	2018.07.27						

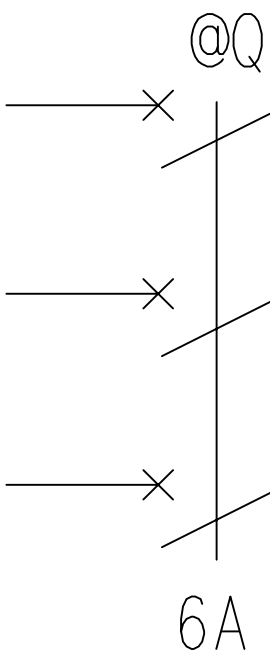
ELECTRICAL ROOM

I/O PANEL

AI		
+24V		
S	@01	
0V	@02	
AO		
S	@03	
0V	@04	
	SE	
DI		
+24V	@05 	
S	@06	
S	@07	
0V		
	SE	

AUXILIARY PANEL

380VAC



PTB		
L1	@21	
L2	@22	
L3	@23	
N	@24	
PE	@25	

@01

@02

@03

@04

@05

@06

@07

@21

@22

@23

@24

@25

@S01

(4~20mA) DJYPVP2 2x2x1.0

@C01

KVVRP 4x1.0

@L01

KVVRP 7x1.5

FIELD

3

@Z1

ACTUATOR

+

4~20mA

FEEDBACK

+

4~20mA

SET POINT

•

NC OPEN

•

NC CLOSE

L1

@21

L2

@22

L3

@23

N

@24

PE

@25

Note: Local control box equipped with actuator.

NOTE : @ MEANS TAG NAME.

For Approval

3	2018.11.15	Revised according to design requirements.	DESIGNED	Liu Youjun
2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan
1	2018.09.06	Revised according to the comments.	VERIFY	Ji Bin
Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

**sinoma**

PROJECT: L'Amali Line 2 – EPC Project

FUCTION: Actuator (380V.AC With Limit Switch)

SHEET

13

TOTAL

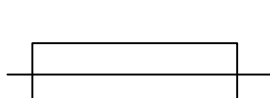
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DRAWING No.

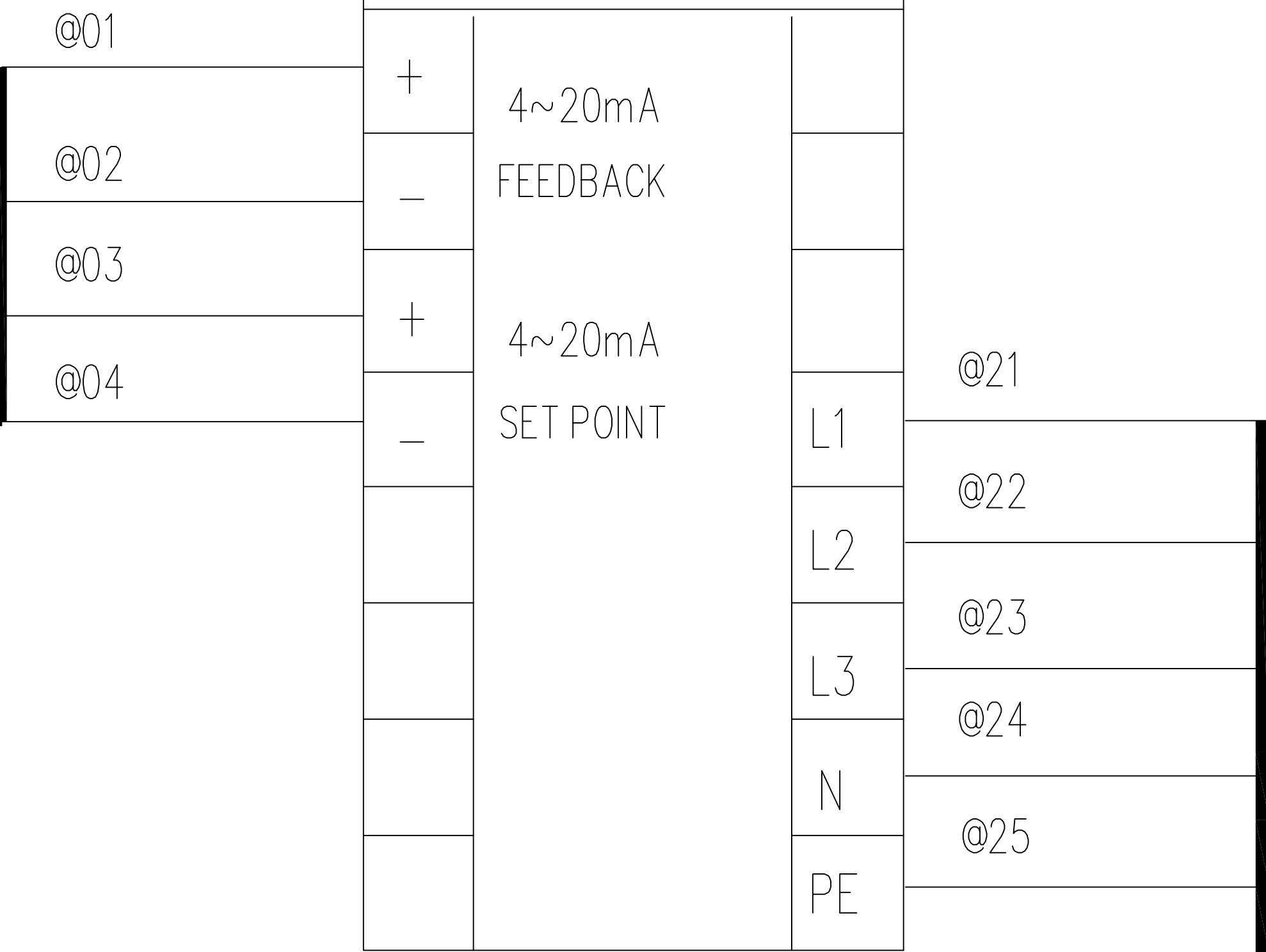
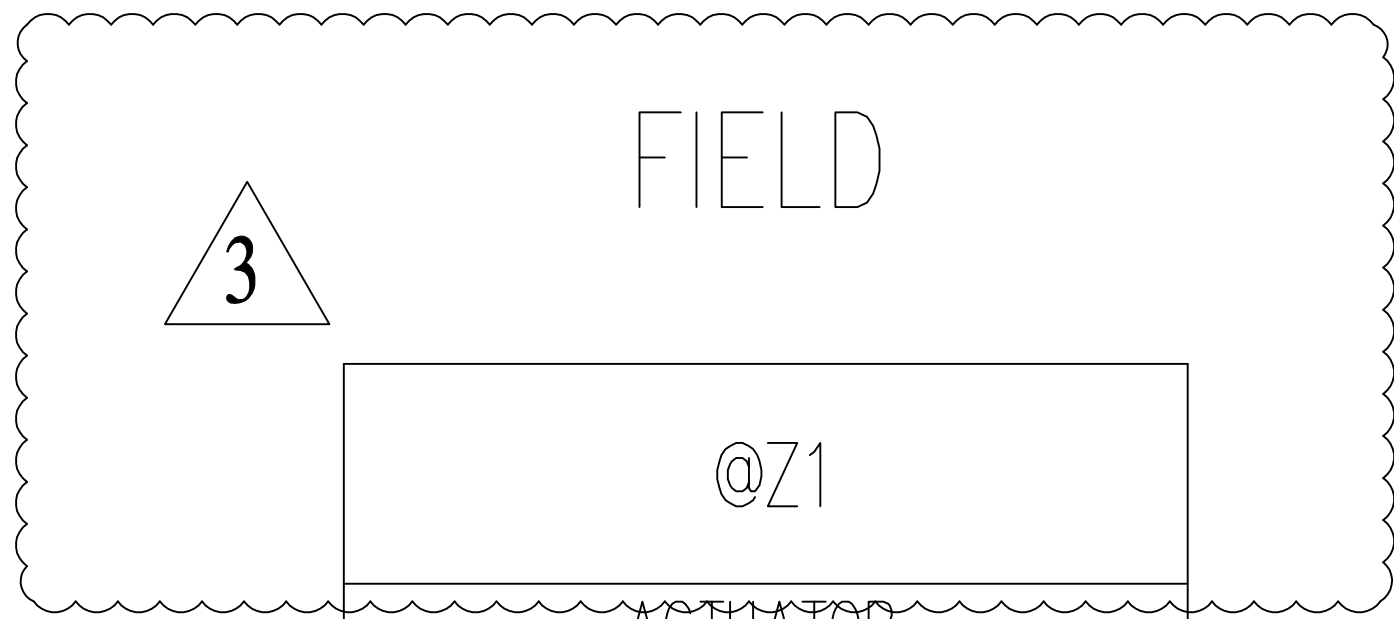
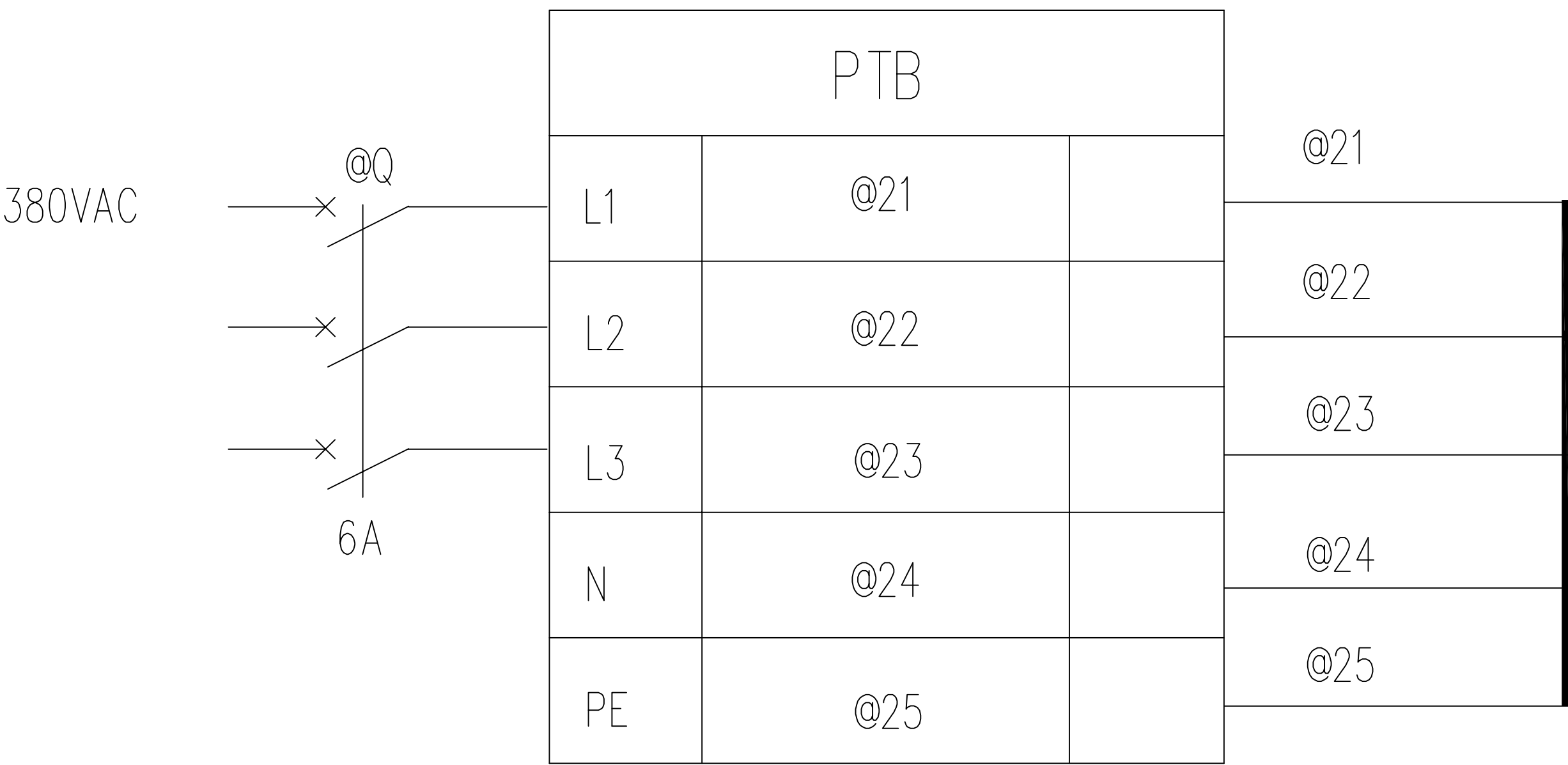
F112-EC-ES-04-13

ELECTRICAL ROOM

I/O PANEL

AI		
+24V		
S	@01	
0V	@02	
AO		
S	@03	
0V	@04	
	SE	

AUXILIARY PANEL



@S01  
(4~20mA) DJYPVP2 2x2x1.0

@L01  
KVVRP 7x1.5

NOTE : @ MEANS TAG NAME.

Note:Local control box equipped with actuator.

For Approval

3	2018.11.15	Revised according to design requirements.	DESIGNED	Liu Youjun
2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan
1	2018.09.06	Revised according to the comments.	VERIFY	Ji Bin
Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

**sinoma**

PROJECT: L'Amali Line 2 – EPC Project

FUCTION: Actuator (380V.AC)

SHEET

14

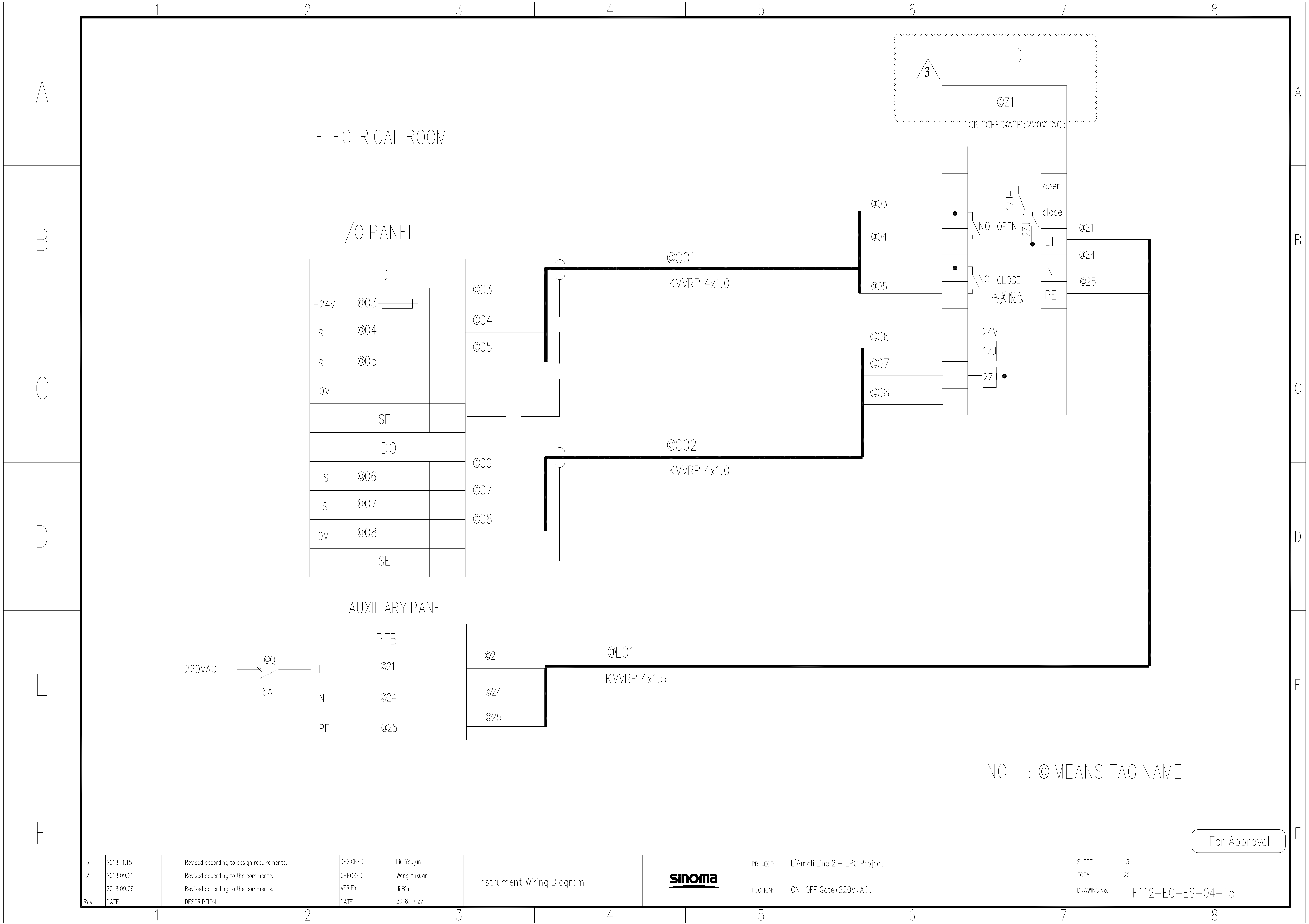
TOTAL

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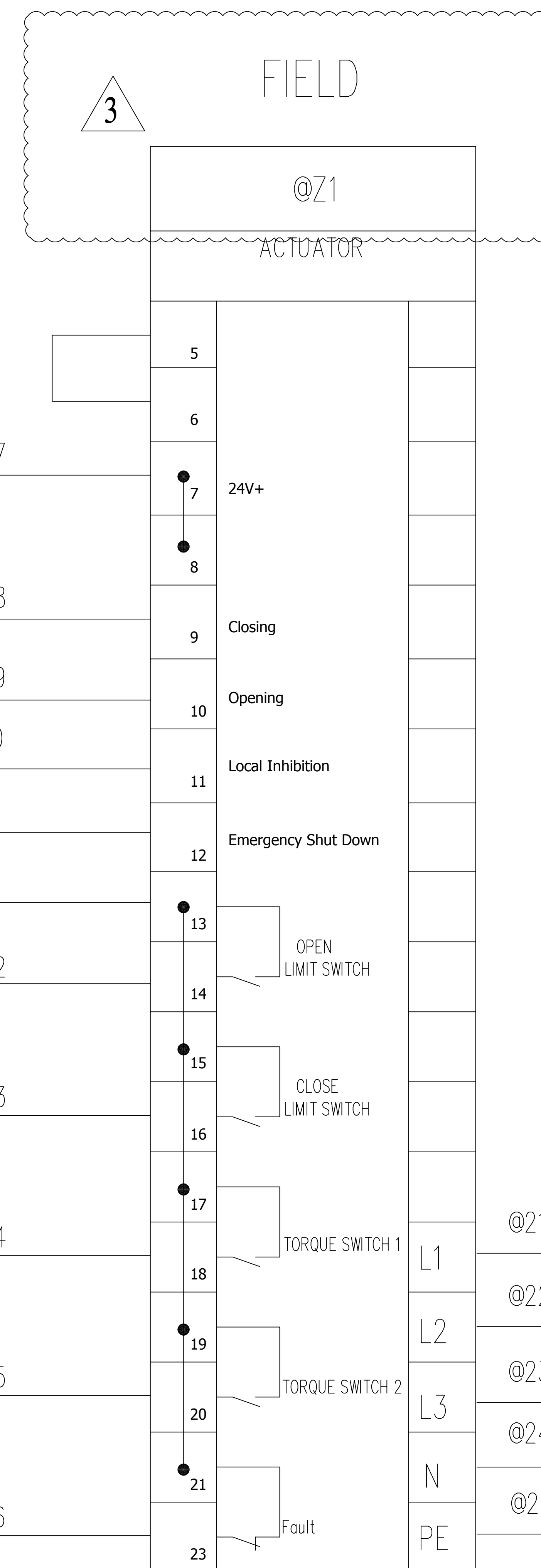
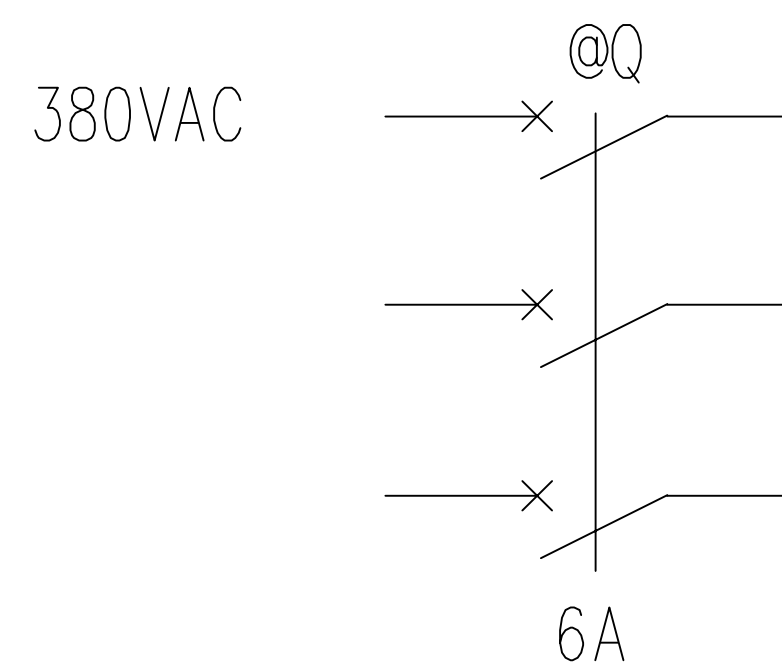
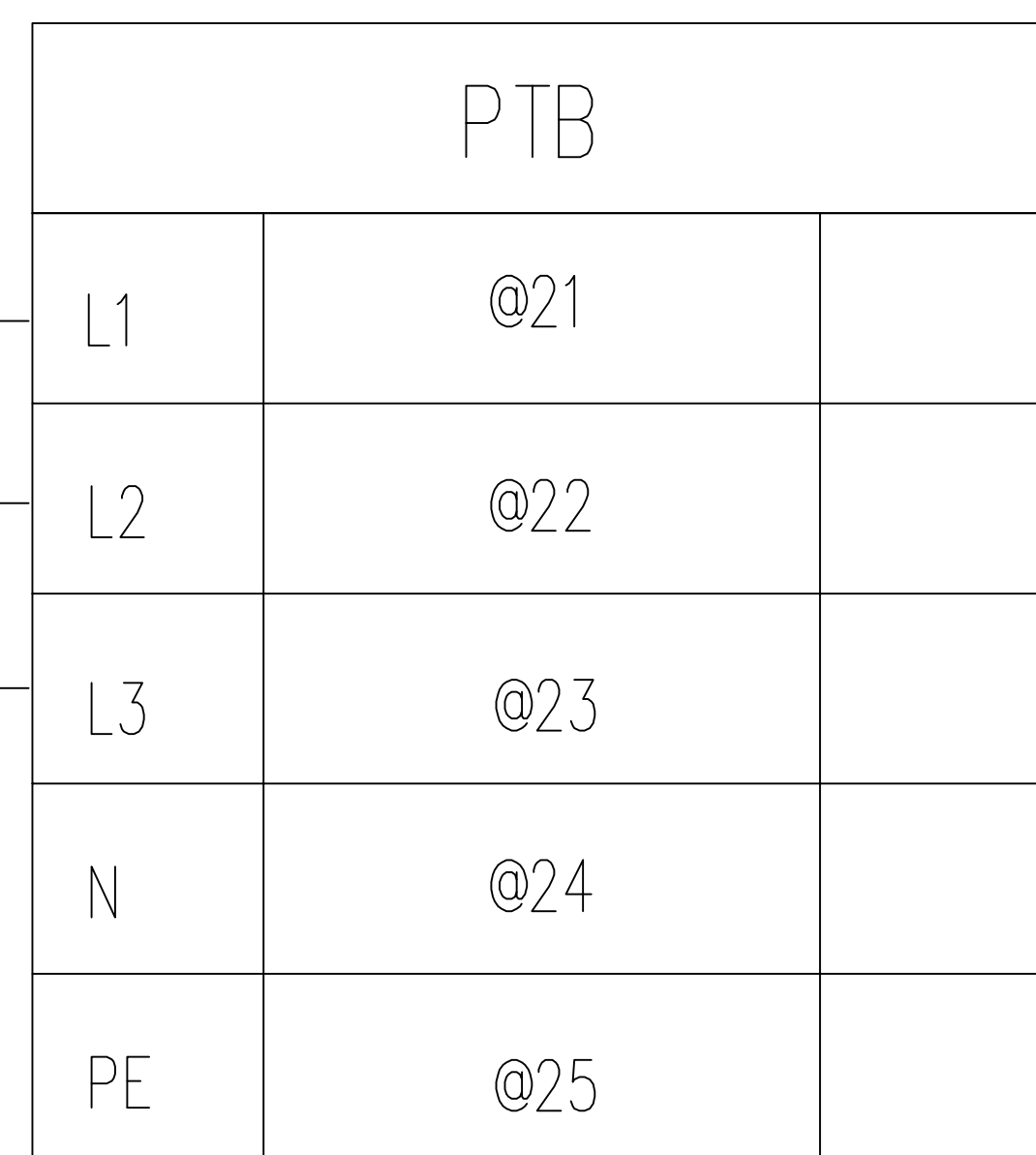
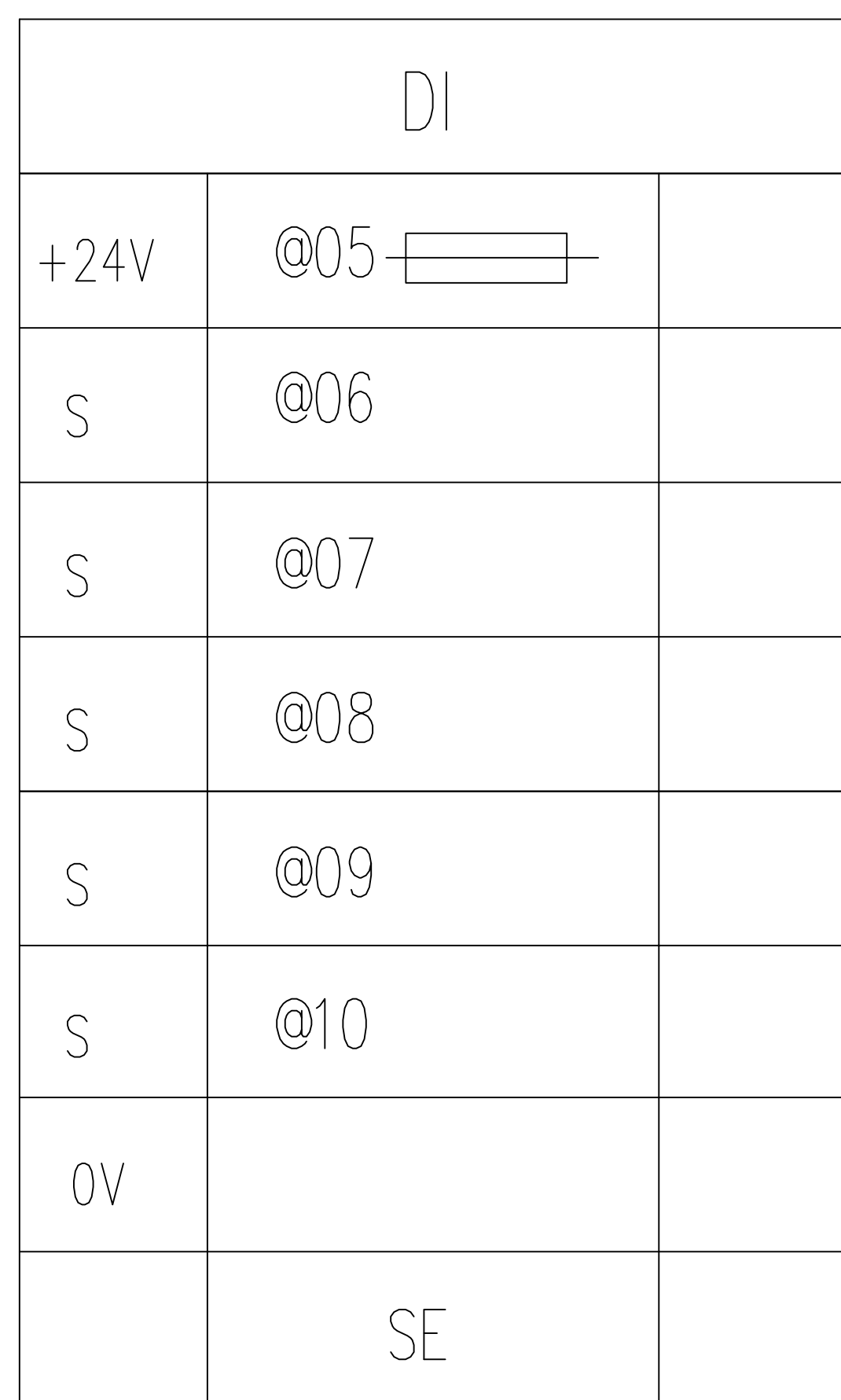
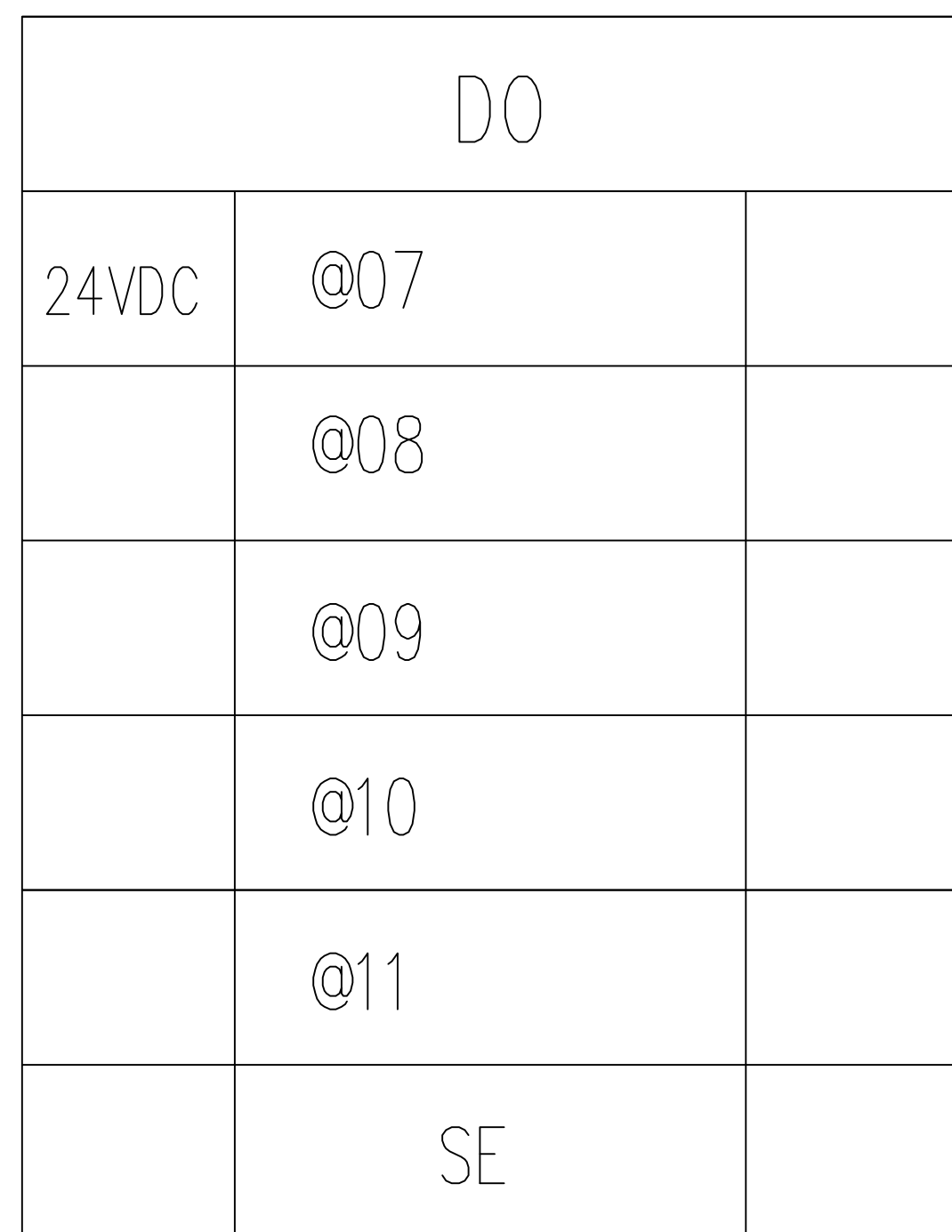
DRAWING No.

F112-EC-ES-04-14







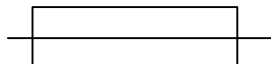
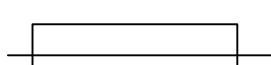
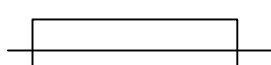


For Approval

3	2018.11.15	Revised according to design requirements.	DESIGNED	Liu Youjun	Instrument Wiring Diagram		PROJECT:	L'Amali Line 2 – EPC Project	SHEET	17
2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan			TOTAL	20		
1	2018.09.06	Revised according to the comments.	VERIFY	Ji Bin			FUNCTION:	ON–OFF Actuator for BERNARD (380V.AC With Limit Switch and Torque Switch)	DRAWING No.	F112–EC–ES–04–17
Rev.	DATE	DESCRIPTION	DATE	2018.07.27						



ELECTRICAL ROOM  
I/O PANEL

AI		
+24V		
S	@01	
0V	@02	
+24V		
S	@03	
0V	@04	
	SE	
DI		
+24V	@05 	
S	@06	
S	@07	
S	@08	
S	@09	
0V		
	SE	

@01

@02

@03

@04

@05

@06

@07

@08

@09

@S01

(4~20mA) DJYPVP2 3x2x1.0

@C01

KVVRP 7x1.0

@L01

KVVRP 4x1.5

AUXILIARY PANEL

PTB		
L	@21	
N	@24	
PE	@25	

@21

@24

@25

FIELD

@N1

Vibration Transmitter

4~20mA

CH1

vibration

4~20mA

CH2

CH2

SE

@11

@12

@13

@14

@C02

@C03

@NE1

@NE2

DJYPVP2 1x2x1.0

H ALARM

CH1

HH ALARM

CH2

H ALARM

CH2

HH ALARM

CH2

H ALARM

CH2

HH ALARM

CH2

@21

L

@24

N

@25

PE

NOTE : @ MEANS TAG NAME.

For Approval

3	2018.11.15	Revised according to design requirements.	DESIGNED	Liu Youjun
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Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

**sinoma**

PROJECT: L'Amali Line 2 – EPC Project

FUCTION: Vibration Measurment

SHEET

19

TOTAL

20

DRAWING No.

F112-EC-ES-04-19

A

B

C

D

E

F

A

B

C

D

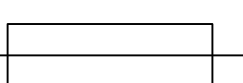
E

F

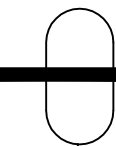
ELECTRICAL ROOM

I/O PANEL

FIELD

DI		
+24V	@01 	
S	@02	
0V		
	SE	

@01
@02
@03



@C01  
KVV RP 4x1.0

@01
@02
@03

3

@S1  
24V PROXIMITY SWITCH

1	brown
4	black
3	blue

NOTE : @ MEANS TAG NAME.

For Approval

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2	2018.09.21	Revised according to the comments.	CHECKED	Wang Yuxuan
1	2018.09.06	Revised according to the comments.	VERIFY	Ji Bin
Rev.	DATE	DESCRIPTION	DATE	2018.07.27

Instrument Wiring Diagram

**sinoma**

PROJECT: L'Amali Line 2 – EPC Project

FUCTION: Proximity Switch

SHEET	20
TOTAL	20

DRAWING No. F112-EC-ES-04-20