



ABB LIMITED
Automation Segment, THAILAND

INSTALLATION PLACE : **EXC**

EQUIPMENT : **CONTROLLER & I/O
DDC.-1/1**

CUSTOMER: **SITE PREPARATION MANAGEMENT Co., Ltd.**

ORDER NO : **TH-25117203**

Sheets :

Item No. :

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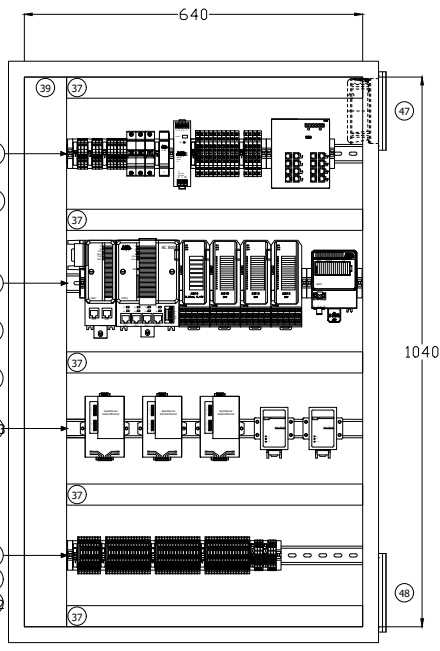
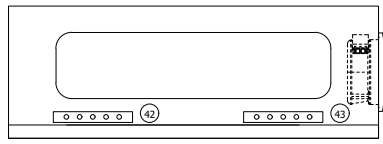
File name 3BTH25117203-000A12_A01_R0

Based on	Prepared Chanwit N. / 27-03-18	Title COVER SHEET	= CONTROLLER & I/O CABINET + DDC.-1/1
Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18		
Cust. Doc. No.	Project name Building Automation System for the Excise Department (EXC)	ABB Limited (Thailand)	Date 27-03-18
ABB Ref. No.			Doc. No. 3BTH25117203-000A12
			Cont. A02

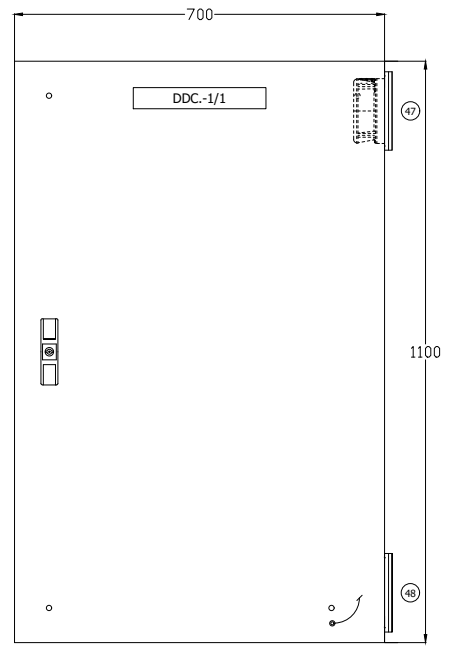
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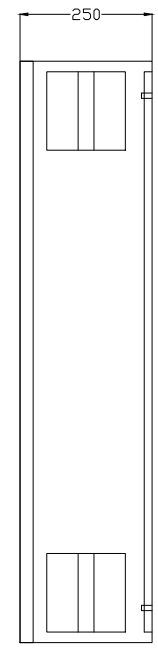
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INSIDE VIEW



FRONT VIEW



RIGHT SIDE VIEW

CABLE COLOR FOR INTERNAL WIRING		
-Main Supply 220V - Line	Brown	2.5 mm2
-Main Supply 220V - Neutral	Light blue	2.5 mm2
-Ground / Earth	Yellow / Green	2.5 mm2
-Supply Voltage 24Vdc - Plus	Red	1 mm2
-Supply Voltage 24Vdc - Minus	Black	1 mm2
-Sinal - Digital	Blue	0.75 mm2
-Sinal - Analog	White	0.75 mm2
-Lan cable	White	CAT5E

No.	PART NUMBER	QTY	DESCRIPTION
1	S 202M C16	1	Minature circuit breaker 2P 16A, S 202M C16, ABB
2	SH 201 C10	1	Minature circuit breaker 1P 10A, SH 201 C10, ABB
3		1	Fuse terminal 1P 16A, ABB
4	3BSC610065R1	1	Power supply 24VDC 5A, SD832, ABB
5	3BSE018172R1	1	Rechargeable battery unit, SB822, ABB
6		1	CEX-bus terminator, TB850, ABB
7	3BSE008538R1	1	ModuleBus terminator, TB807, ABB
8	3BSE066485R1	1	Processor Unit, PM851, ABB
9	3BSE043660R1	1	Modbus TCP Interface, CI867, ABB
10	3BSE013230R1	4	Compact MTU, TU810V1, ABB
11	3BSE008508R1	3	Digital Input 24V 16 ch, DI810, ABB
12	3BSE008516R1	1	Analog Input 8 ch, AI810, ABB
13	3064085	6	Feed-through terminal block, UT 2.5-MTD, Phoenix Contact
14	3046184	8	Feed-through terminal block, UT 4-MTD, Phoenix Contact
15	3046223	4	Ground terminal block, UT 4-MTD-PE, Phoenix Contact
16	3007204	11	Fuse terminal block, Double-Dect, UKK 5-HESI, Phoenix Contact
17	3044644	56	Disconnect terminal block, UTTB 2,5-TG-P/P, Phoenix Contact
18	3036806	56	Fuse plug, P-FU 5X20, Phoenix Contact
19	3047293	4	End cover, D-UTTB 2,5/4, Phoenix Contact
20	3022218	23	Quick mounting end clamp, CLIPFIX 35, Phoenix Contact
21	1004348	12	Terminal strip markers, KLM-A, Phoenix Contact
22	MB3180	2	1 Port RS-232/422/485 Modbus TCP to Serial Communication Gateway
23	PS-QS-1010-0757	3	Modbus RTU or Modbus TCP/IP to BACnetMS/TP or BACnet/IP, 250 Point
24	943434047	1	Hirschmann, Industrial Unmanaged Ethernet Switch RS20-1600T1T1SDAU
25			
26			
27			
28			
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32			
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35			
36			
37		3	Cable Duct 40x100, Phoenix Contact
38		-	Cable Duct 60x100, Phoenix Contact
39		1	Cable Duct 80x100, Phoenix Contact
40		-	Cable Duct 100x100, Phoenix Contact
41		1	NS35/15, Din Rail, Phoenix Contact
42		1	PE Copper bar size 20x150mm
43		1	IE Copper bar size 20x150mm
44			
45			
46			
47		1	Fan
48		1	Filter
49			
50			
51			

Based on	Prepared Chanwit N. / 27-03-18
Customer Site Preparation Managemant Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

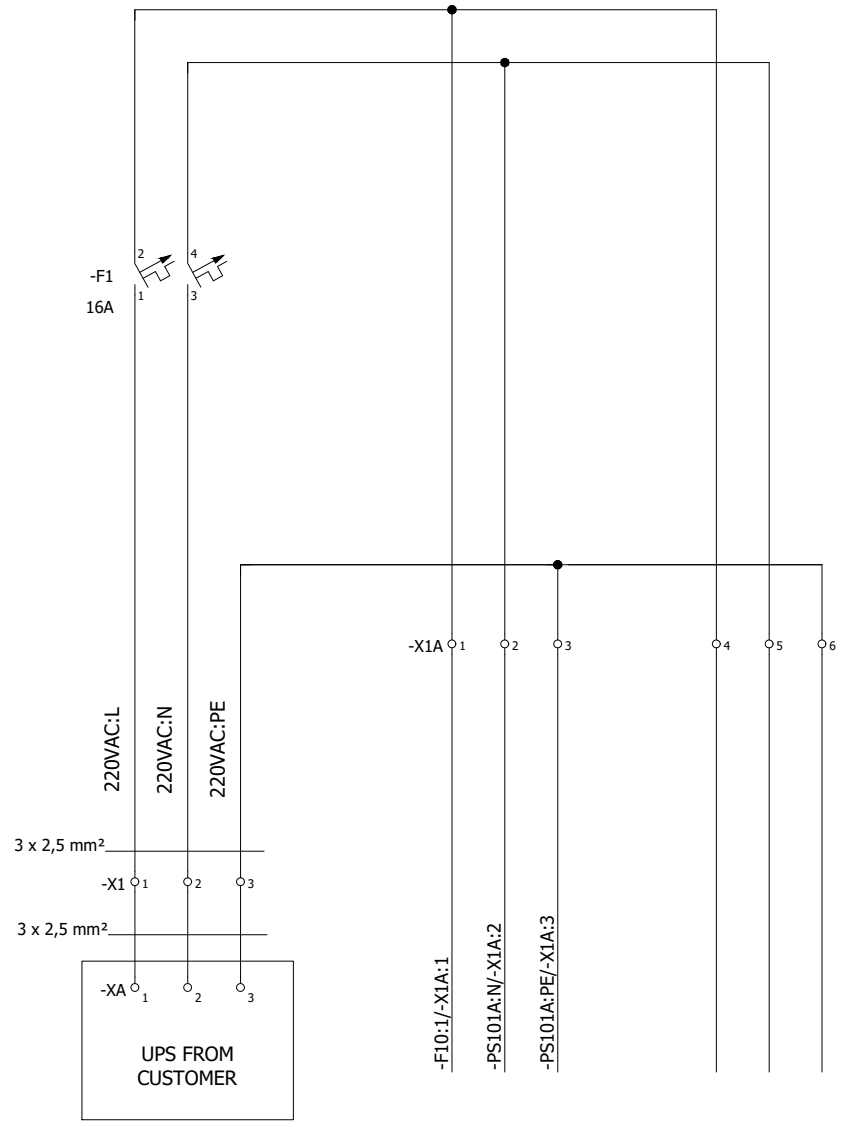
Title	CABINET LAYOUT
ABB ABB Limited (Thailand)	

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Resp. dept. IA	Rev. 0
Doc. No.	Date 27-03-18
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	Cont. N101

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File name 3BTH25117203-000A12_N101_RO



Device	-PS101A	-SPARE
Description	POWER SUPPLY 24 VDC	SPARE

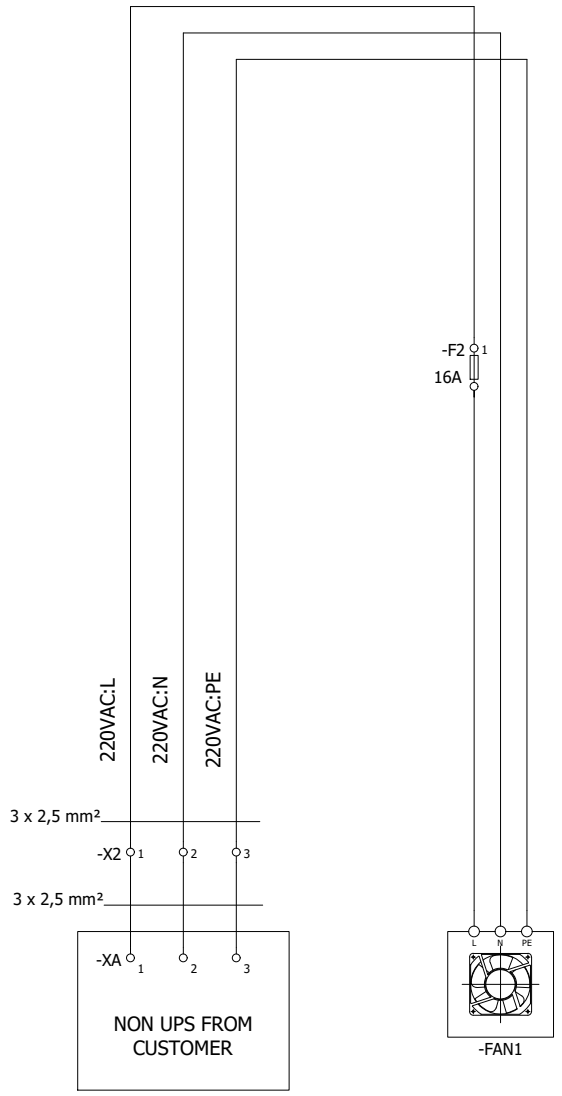
Based on	Prepared Chanwit N. / 27-03-18
Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

Title	220 VAC POWER DISTRIBUTION
ABB Limited (Thailand)	

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Resp. dept. IA	Rev. 0	Date	27-03-18
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File name 3BTH25117203-000A12_N102_RO



Device	-FAN1
Description	FAN

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Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

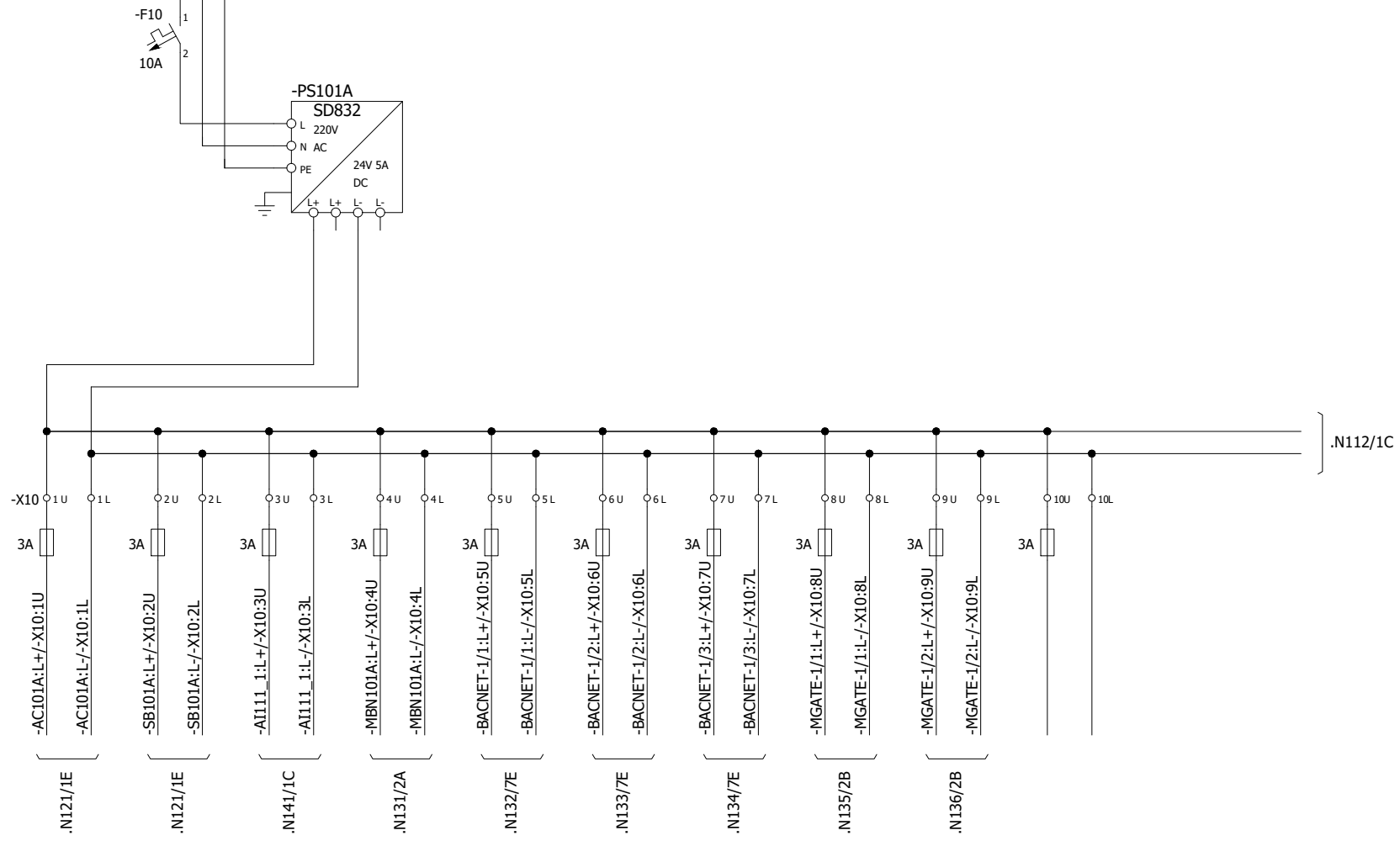
Title 220 VAC POWER DISTRIBUTION
ABB ABB Limited (Thailand)

= CONTROLLER & I/O CABINET	+ DDC.-1/1	
Resp. dept. IA	Rev. 0	Date 27-03-18
Doc. No. 3BTH25117203-000A12	Sheet N102	Cont. N111

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File name 3BTH25117203-000A12_N111_RO

-X1A:1/-F10:1
 -X1A:2/-PS101A:N
 -X1A:3/-PS101A:PE



Device	-AC101A	-SB101A	-AI111_1	-MBN101A	-BACNET-1/1	-BACNET-1/2	-BACNET-1/3	MGATE-1/1	MGATE-1/2	SPARE
Description	PM851	SB822	AI810	MODBUS NETWORK SWITCH	BACNET	BACNET	BACNET	MGATE	MGATE	SPARE

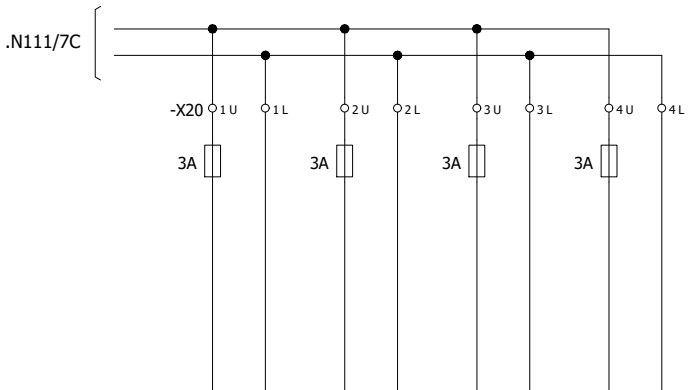
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	Site Preparation Management Co., Ltd.	Approved	Atchariya K. / 27-03-18
Cust. Doc. No.		Project name	Building Automation System
ABB Ref. No.			for the Excise Department (EXC)

Title	24VDC POWER DISTRIBUTION
ABB ABB Limited (Thailand)	

= CONTROLLER & I/O CABINET		+ DDC.-1/1	
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File name 3BTH25117203-000A12_N111_RO



Device	-PS 4W	-PS 4W	-PS 4W	-PS 4W
Description	FIELD INSTRUMENT	FIELD INSTRUMENT	FIELD INSTRUMENT	FIELD INSTRUMENT

Based on	Prepared Chanwit N. / 27-03-18
Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

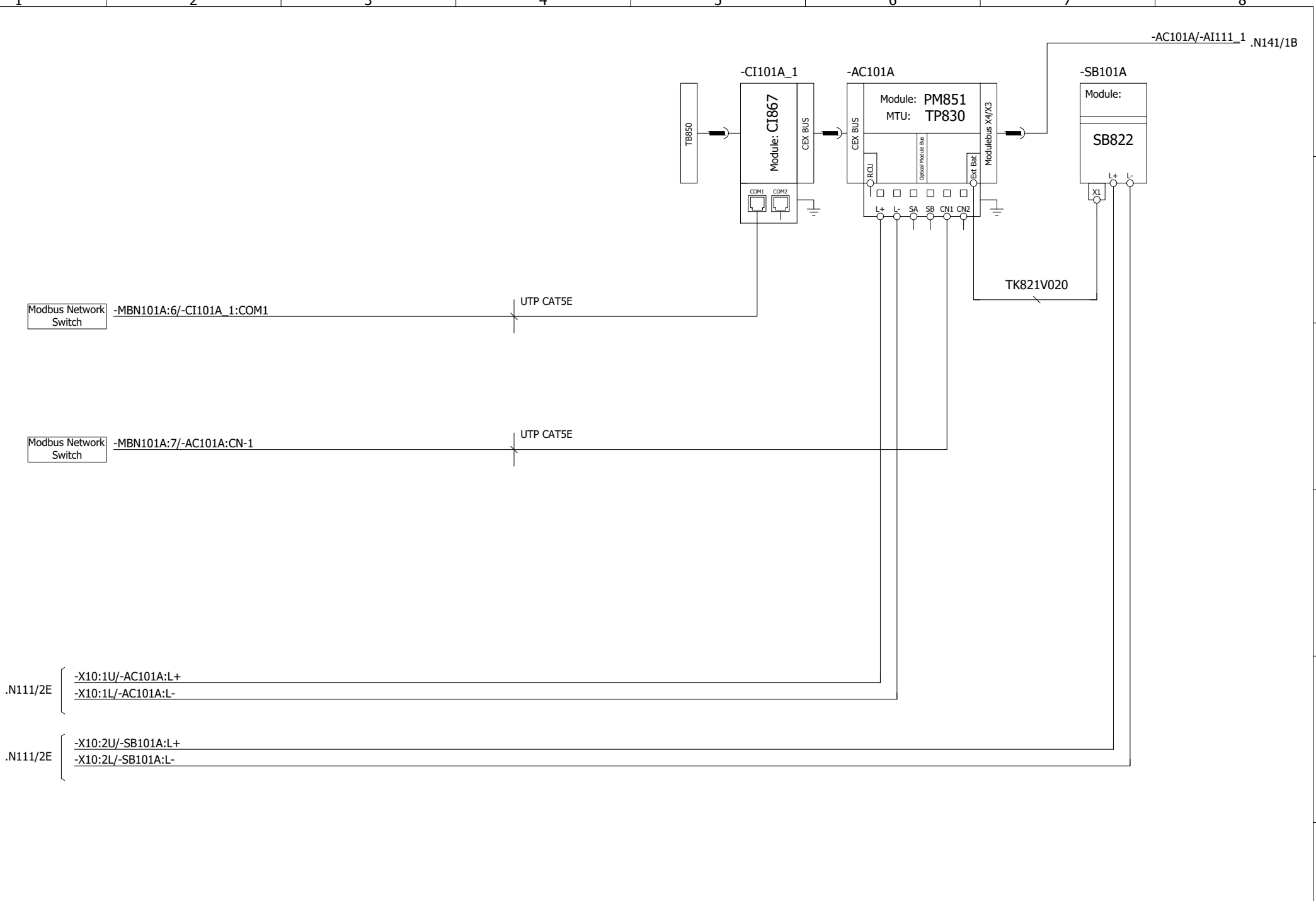
Title 24VDC POWER DISTRIBUTION
= CONTROLLER & I/O CABINET + DDC.-1/1
Resp. dept. IA
Doc. No. 3BTH25117203-000A12


ABB ABB Limited (Thailand)

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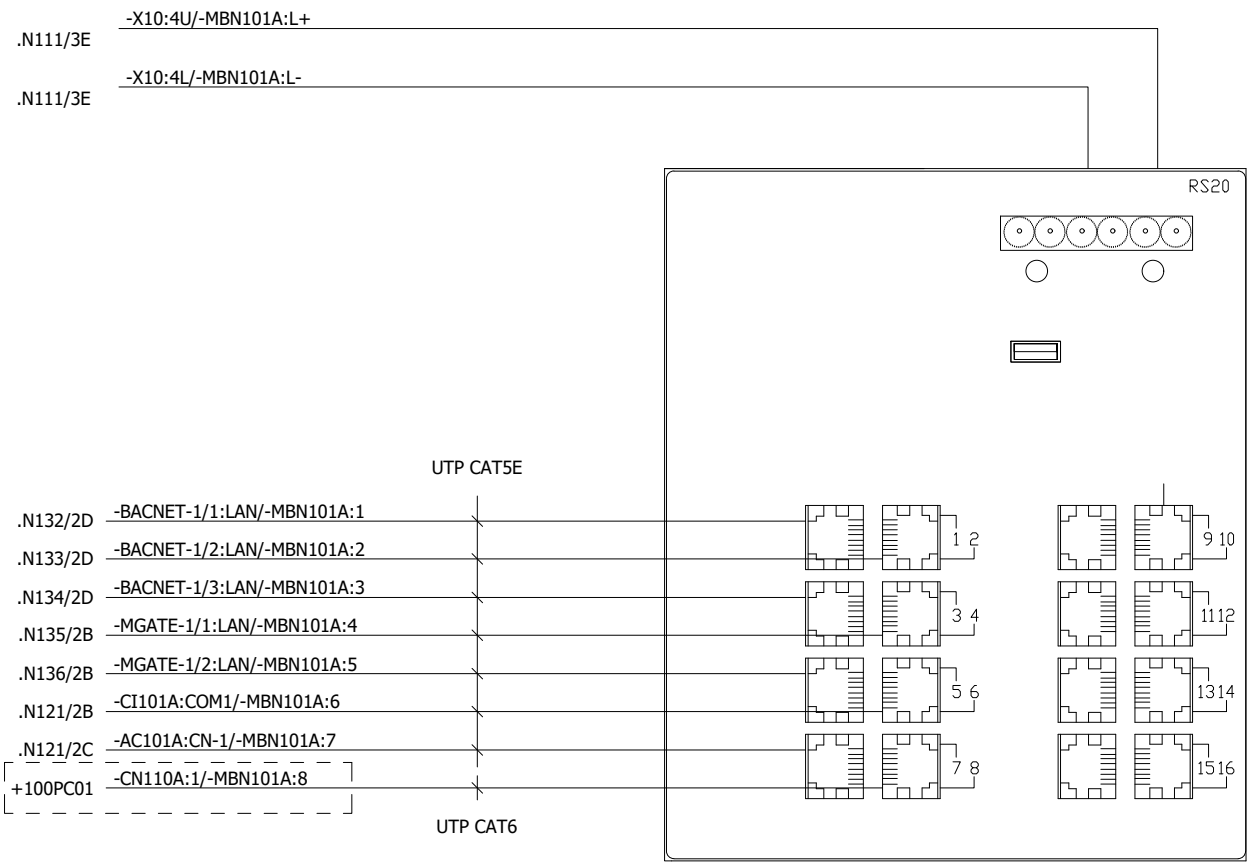
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Based on	Prepared Chanwit N. / 27-03-18	Title AC800M Connection	= CONTROLLER & I/O CABINET + DDC.-1/1	
Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18	 ABB Limited (Thailand)	Resp. dept. IA	Date 27-03-18
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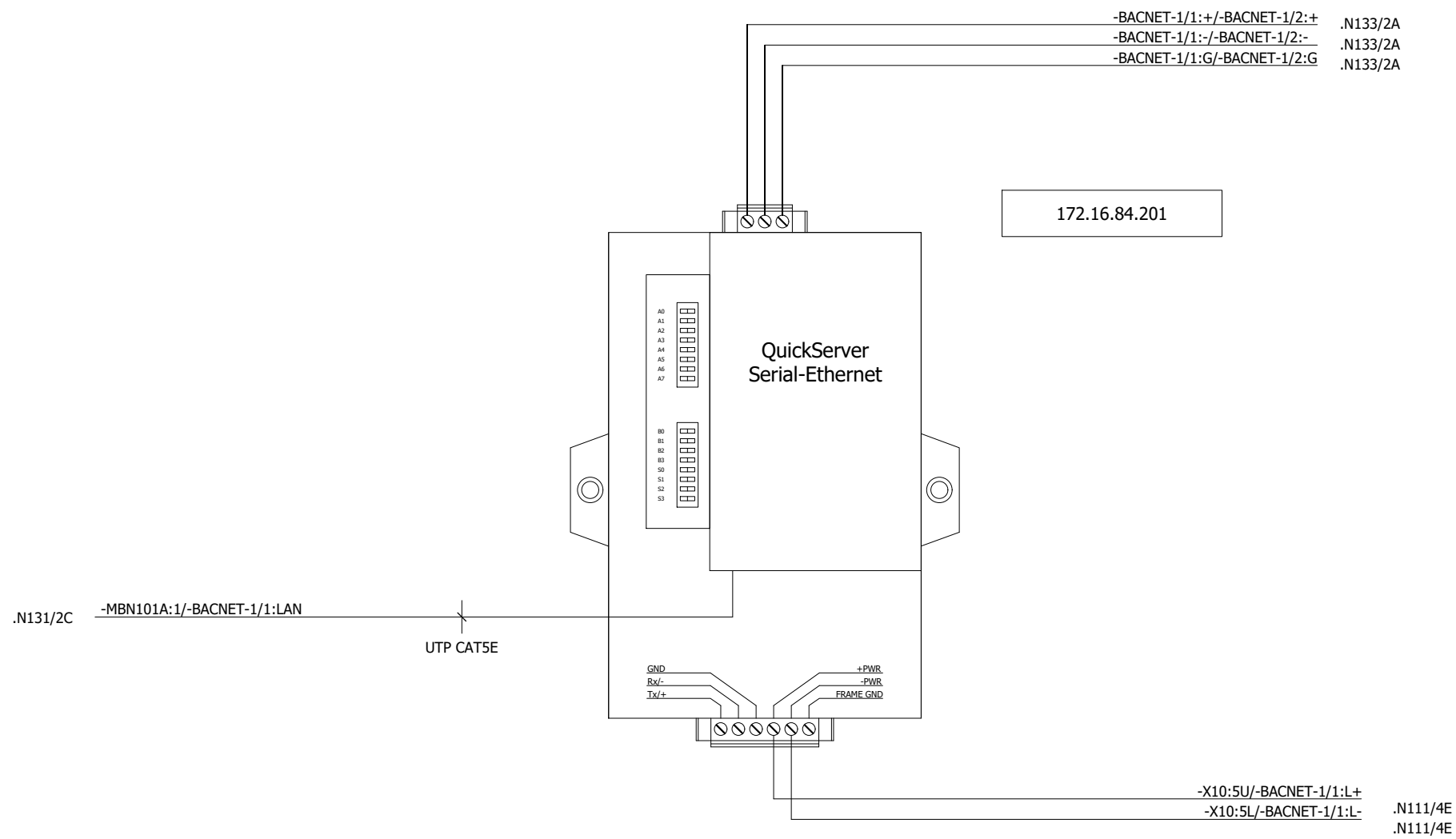


-MBN101A MODBUS NETWORK SWITCH

Based on	Prepared Chanwit N. / 27-03-18	Title MBN101A MODBUS NETWORK SWITCH	= CONTROLLER & I/O CABINET + DDC.-1/1
Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18	ABB Limited (Thailand)	Resp. dept. IA
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File name 3BTH25117203-000A12_N132_R0



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Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

Title BACNET-1/1
ABB ABB Limited (Thailand)

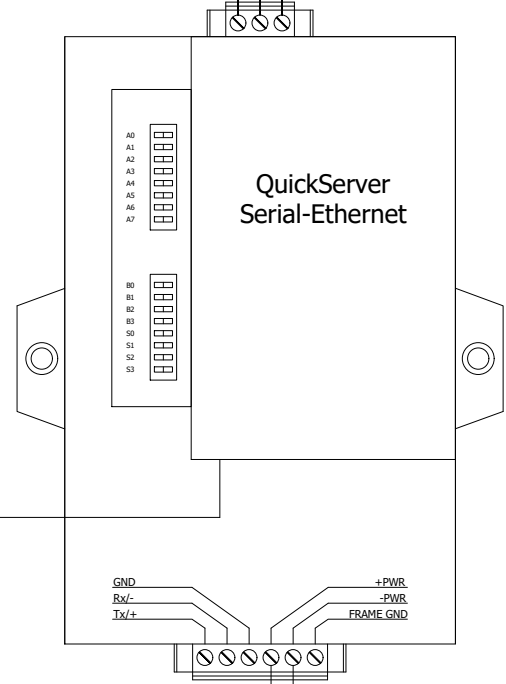
= CONTROLLER & I/O CABINET	+ DDC.-1/1	Date 27-03-18
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File name 3BTH25117203-000A12_N133_RO

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.N132/7A	-BACNET-1/1:G/-BACNET-1/2:G	-BACNET-1/2:G/-BACNET-1/3:G	.N134/7A

172.16.84.202



-X10:6U/-BACNET-1/2:L+ .N111/4E
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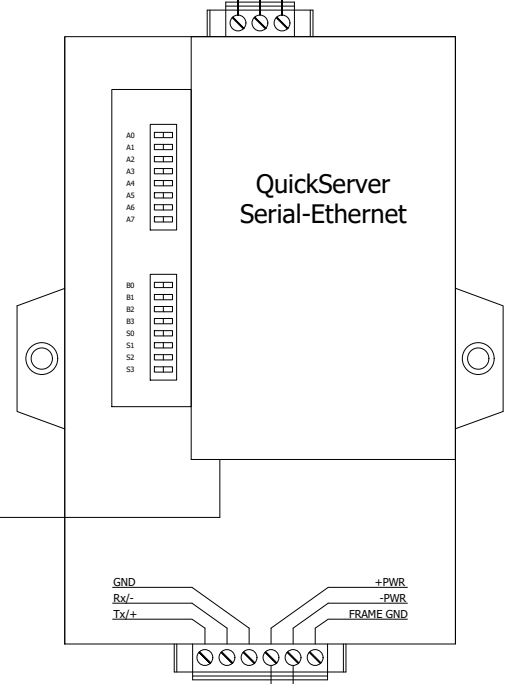
Based on	Customer	Site Preparation Management Co., Ltd.	Prepared	Chanwit N. / 27-03-18	Title	BACNET-1/2	= CONTROLLER & I/O CABINET + DDC.-1/1	Rev. 0	Date	27-03-18		
	Cust. Doc. No.	ABB Ref. No.	Approved	Atchariya K. / 27-03-18								
			Project name	Building Automation System for the Excise Department (EXC)	Doc. No.	3BTH25117203-000A12					Sheet	N133
ABB Limited (Thailand)												

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File name 3BTH25117203-000A12_N134_RO

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.N133/7A	-BACNET-1/2:G/-BACNET-1/3:G	-BACNET-1/3:G/-XMGATE-1/1:3	.N135/6E

172.16.84.203



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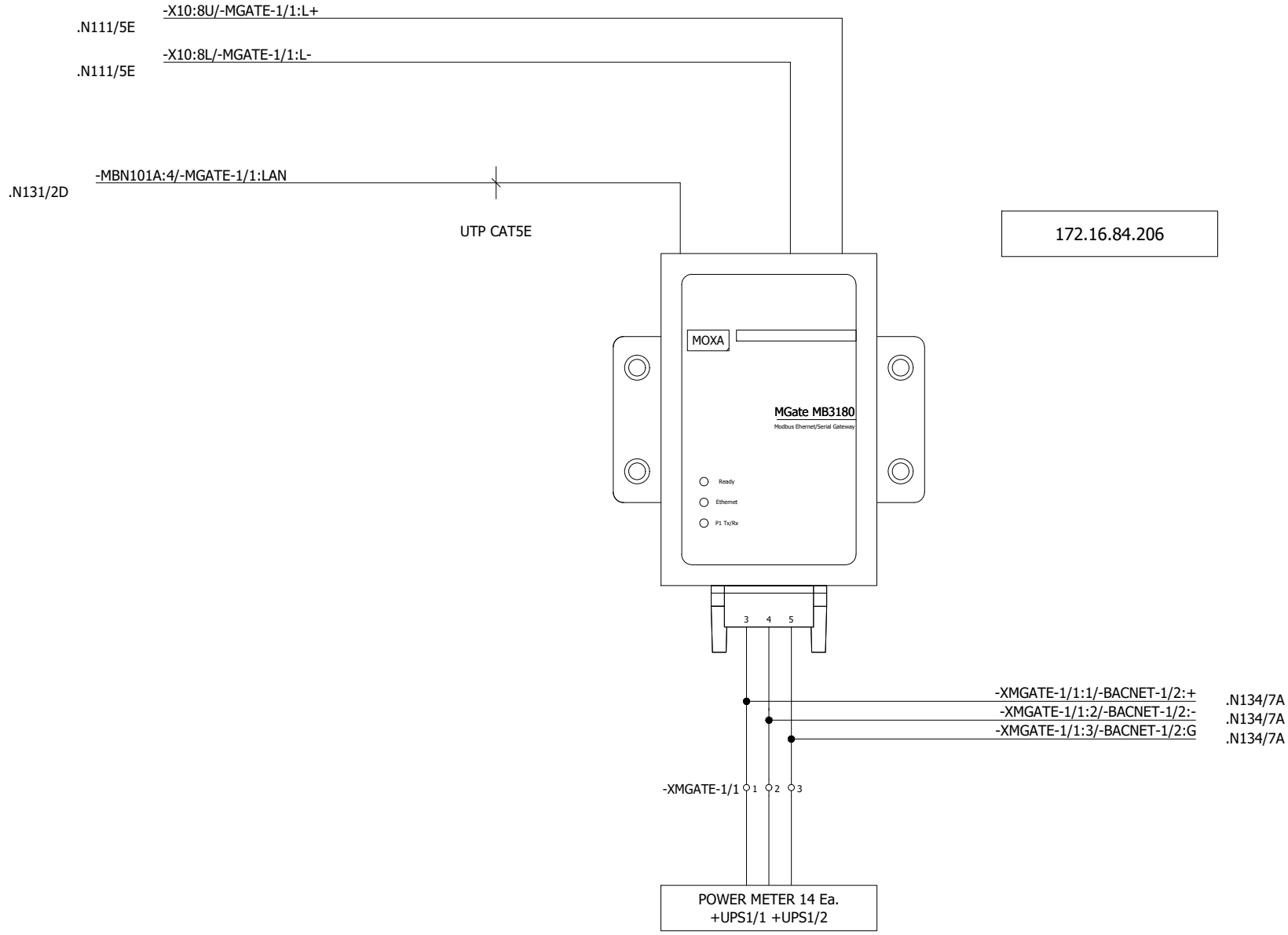
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Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

Title BACNET-1/3
ABB ABB Limited (Thailand)

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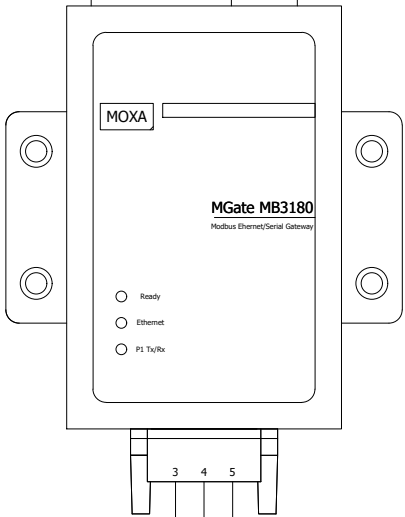
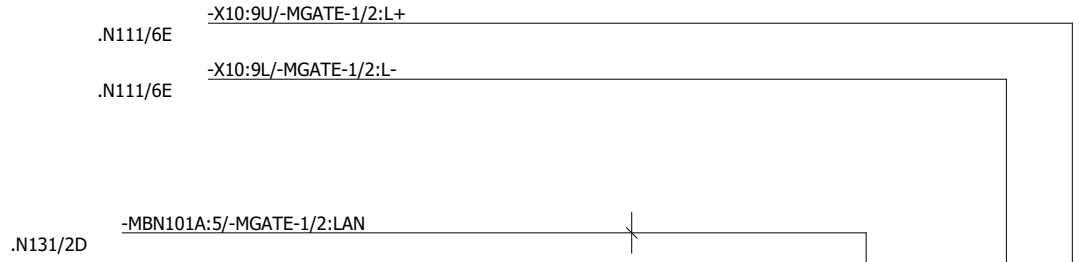
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Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

Title	MGATE-1/1
ABB ABB Limited (Thailand)	

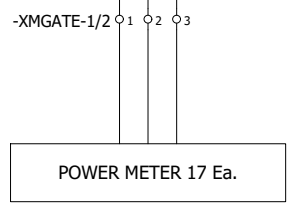
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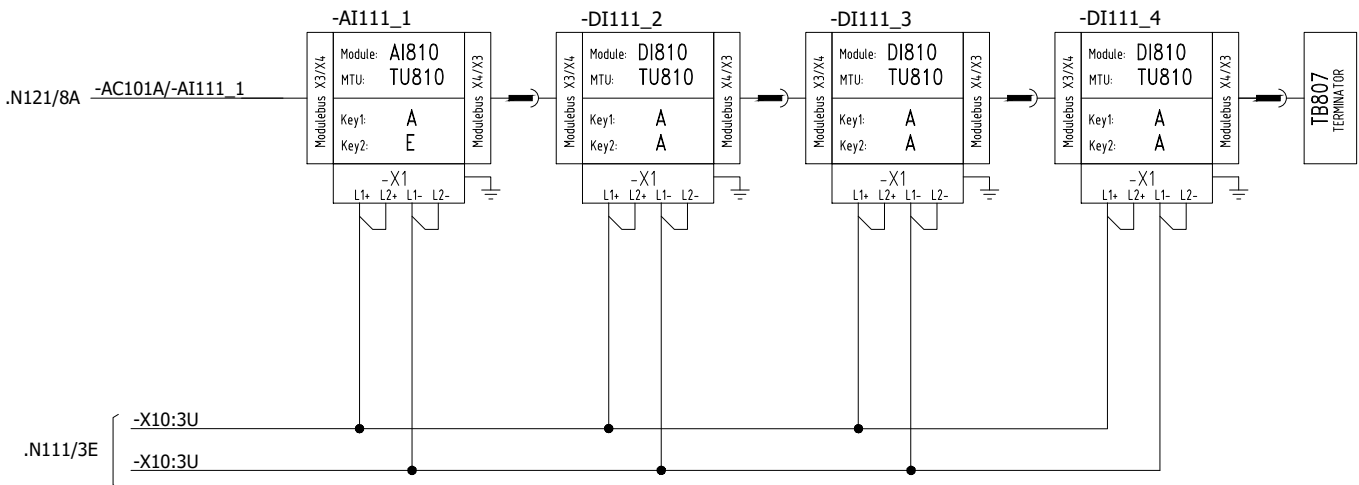
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Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

Title	MGATE-1/2
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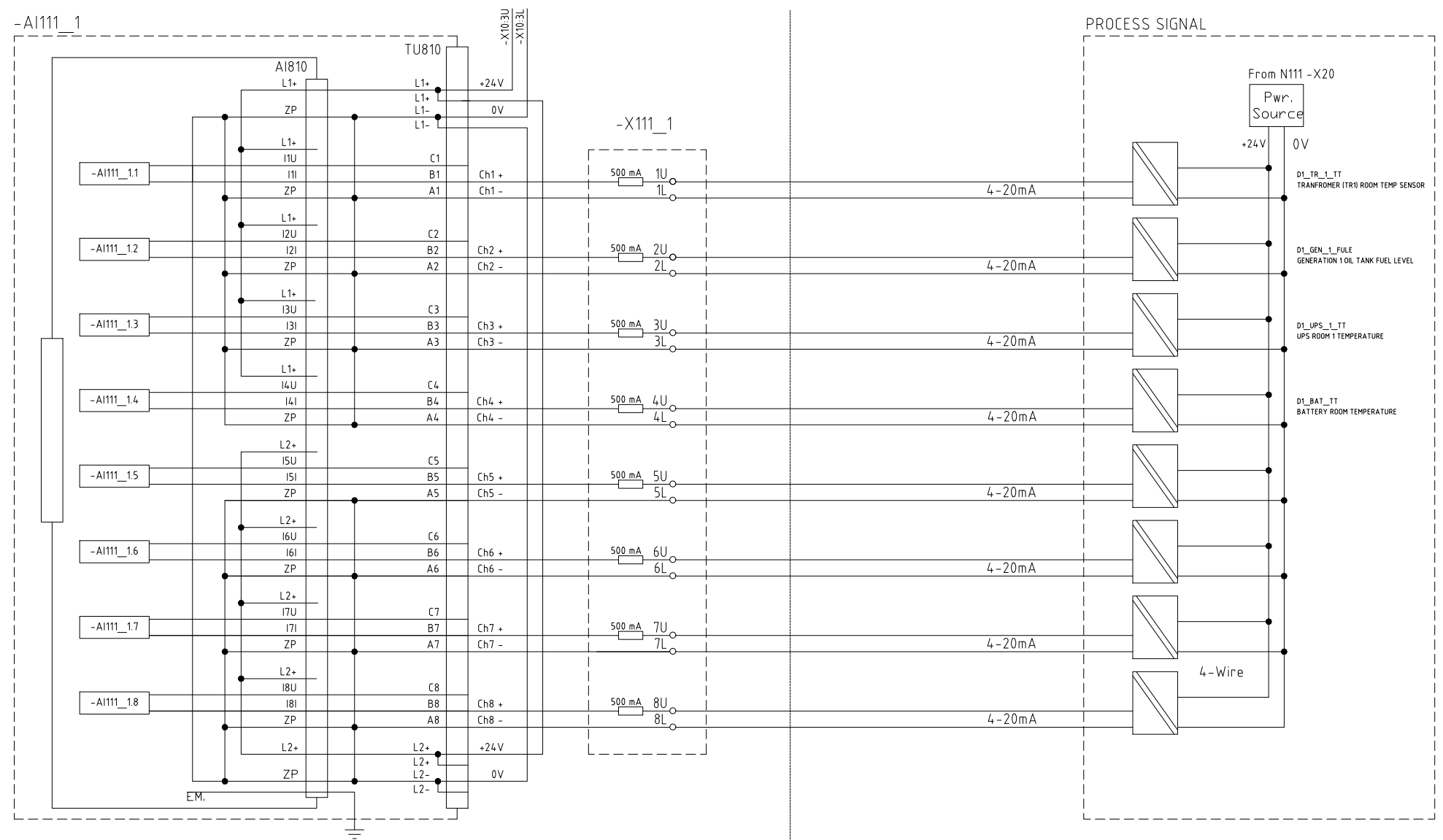
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Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

Title	MODULE CONNECTION
ABB ABB Limited (Thailand)	

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File name 3BTH25117203-000A12_N151_RO



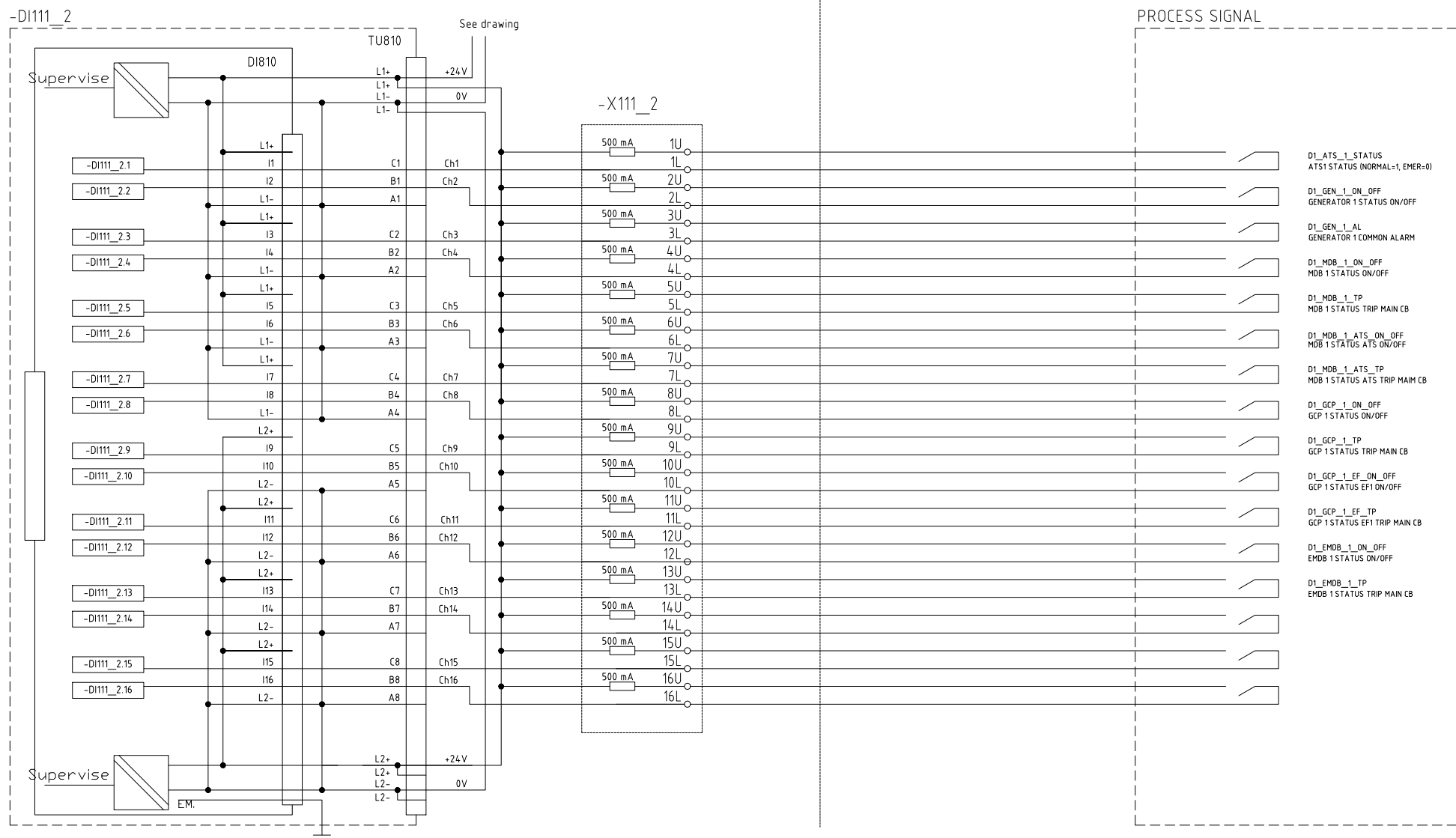
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Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

Title ANALOG INPUT AI810 & TU810
ABB ABB Limited (Thailand)

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File name 3BTH25117203-000A12_N152_RO



Based on	Prepared Chanwit N. / 27-03-18
Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

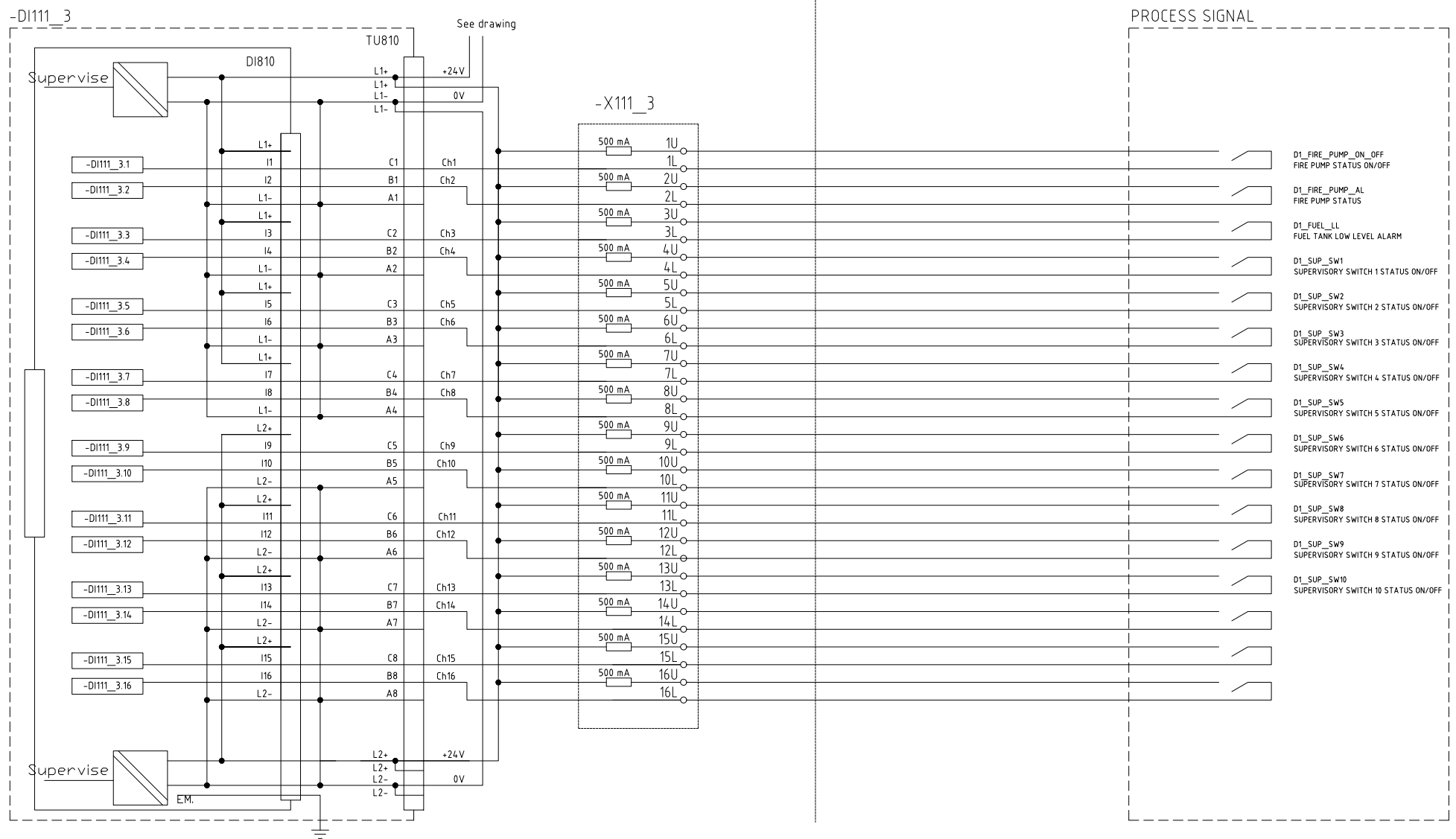
Title	DIGITAL INPUT DI810 & TU810
ABB ABB Limited (Thailand)	

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File name 3BTH25117203-000A12_N153_RO



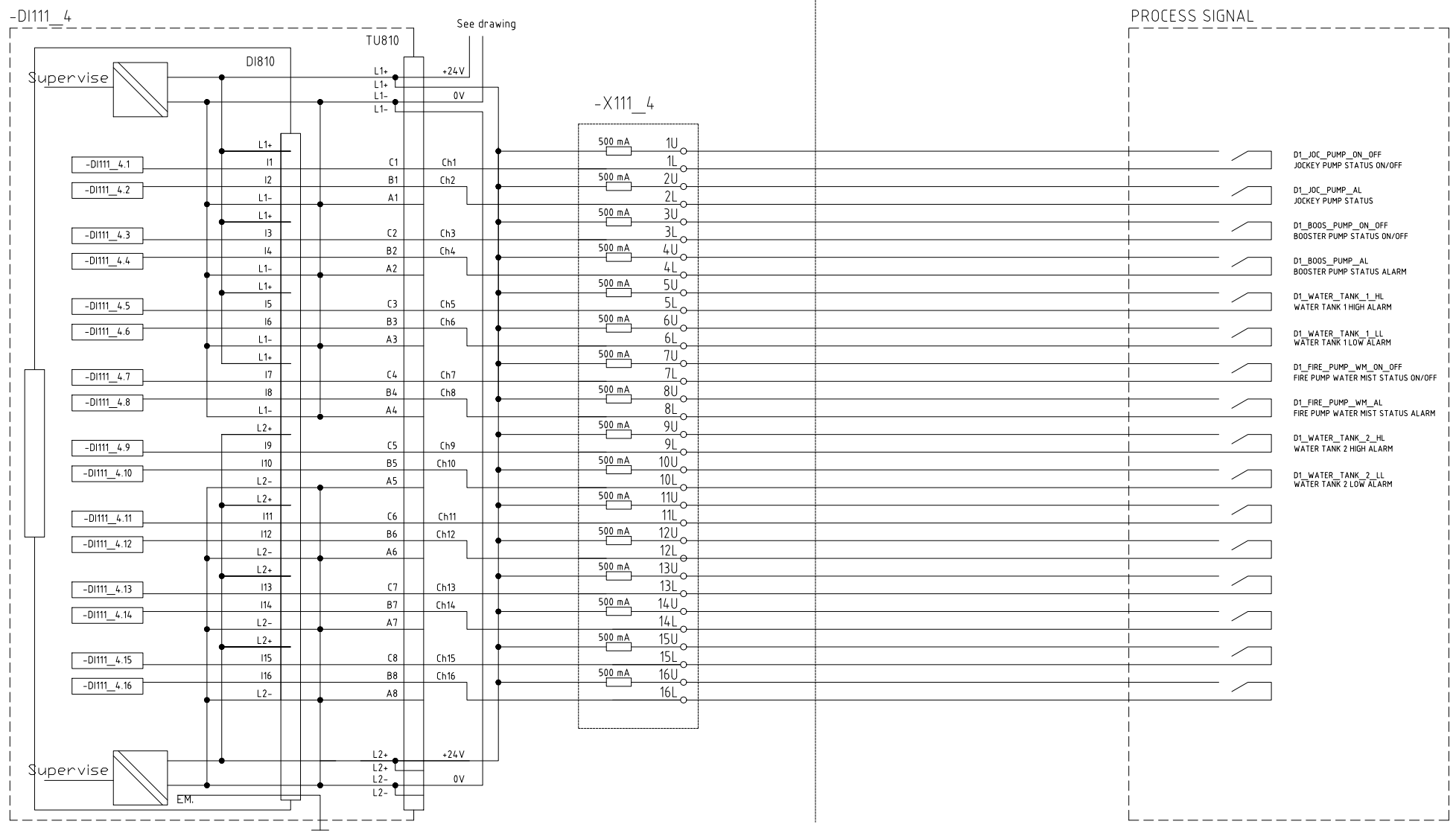
Based on	Prepared Chanwit N. / 27-03-18
Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

Title DIGITAL INPUT DI810 & TU810
ABB ABB Limited (Thailand)

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File name 3BTH25117203-000A12_N154_RO



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Customer Site Preparation Management Co., Ltd.	Approved Atchariya K. / 27-03-18
Cust. Doc. No.	Project name Building Automation System
ABB Ref. No.	for the Excise Department (EXC)

Title DIGITAL INPUT DI810 & TU810
ABB ABB Limited (Thailand)

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Doc. No.	Date 27-03-18
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