



FlexLink®

AGS Control box

5113439-01

User documentation

Control box

Power supply

Voltage: 400 V_{AC}
Phases: 3
Frequency: 50 Hz
Current: 6 A
Short-circuit capacity 10 kA

Control box

CE marking location

The CE marking is located on the outside of the door, in the upper left corner.

Electricians

Electricians must have:

- Experience from similar installations
- Sufficient knowledge to work from drawings and wiring diagrams
- Knowledge of local safety regulations for electrical power and automation
- Knowledge in english language

To avoid risks, only experienced personnel with technical knowledge and experience may perform repair work on the machine's electronics components.

Application of usage

The Control box is to be used for controlling FlexLink Guide units without or in combination with FlexLink Junction boxes.

The Control box should not be used for any other purpose than controlling FlexLink Guide rails.

Safety

The voltage in the control box is 400V for Europe or 480V for US. Ensure that the control box is closed and locked after working in the control box.

The control box door can only be opened using a tool.

- Only authorised personnel may open electrical units.
- Incorrect use of the equipment can cause personal injury.
- Do not stand or climb on the equipment.
- Only use recommended spare parts.
- Before working in the control box, the main switch must be turned off and locked.

Assembly

The box is equipped with two aluminium beams on the backside to facilitate mechanical assembly.

Installation

The incoming power supply should be connected to the main switch, Q30102. Protective earth should be connected to PE terminal.

Electrical supply data, Europe-versions:

Voltage: 400 VAC
Phases: 3
Frequency: 50 Hz
Current: 6 A
Short-circuit capacity: 10 kA

Electrical supply data, US-versions:

Voltage: 460-480 VAC
Phases: 3
Frequency: 60 Hz
Current: 4 A
Short-circuit capacity: 200 kA

Note: Additional 24V_{DC} power supply is necessary for "automatic setting" versions (Type 2). Reference to electrical documentation for 24V_{DC} and fieldbus connection.

Connect the Guide unit's included cable to connector X31103 or X31104.

Instruction for use

Note: Applicable for Control box, Type 1 (Manual setting).

The 3-position switch on the door is used for manually adjusting the Guide units' track width (distance between guide rails).

Turn left: Runs guide rails inwards
0-position: 0
Right position: Runs guide rails outwards

The motors are not automatically interlocked and stopped when reaching end-position.

FlexLink Components AB
SE-41550 Göteborg
Sweden

declares that the following product(s) is in line with the essential requirements of the below directive(s)

- **AGS Control box 5113439**

Corresponding EC directives:

Low Voltage Directive 2006/95/EC

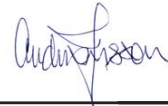
According to 2004/108/EC Electromagnetic Compatibility Directive (EMC), the listed device is not independently operable product, but intended as part of a given fixed installation. Compliance of the directive requires the correct installation of the product, the observance of specific installation notes and product documentation.

FlexLink Components AB

A handwritten signature in blue ink, appearing to read 'Svante'.

Svante Anderholm
Chief Operating Officer

Flexlink Components AB

A handwritten signature in blue ink, appearing to read 'Anders Jonsson'.

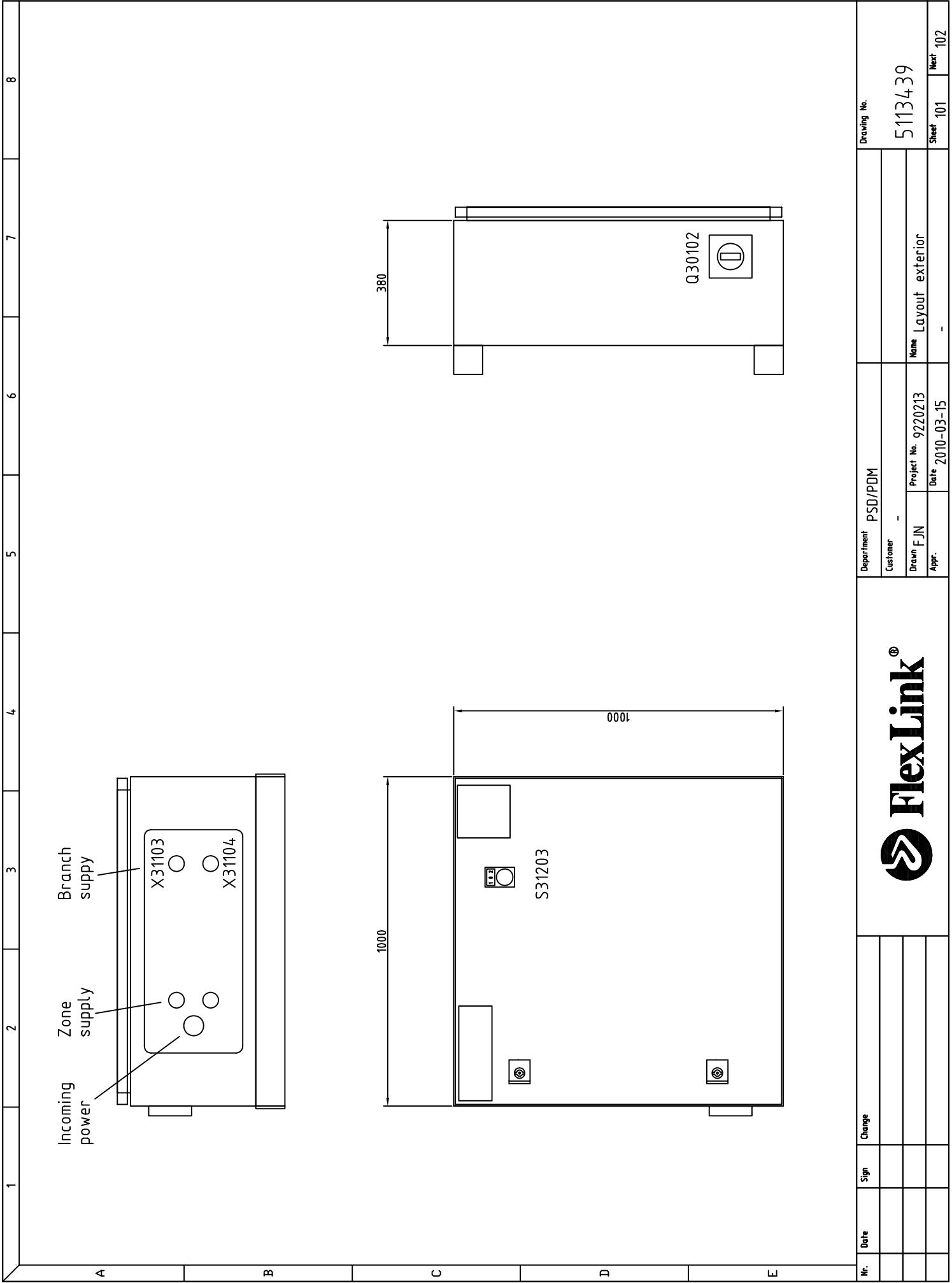
Anders Jonsson
Responsible Technical file

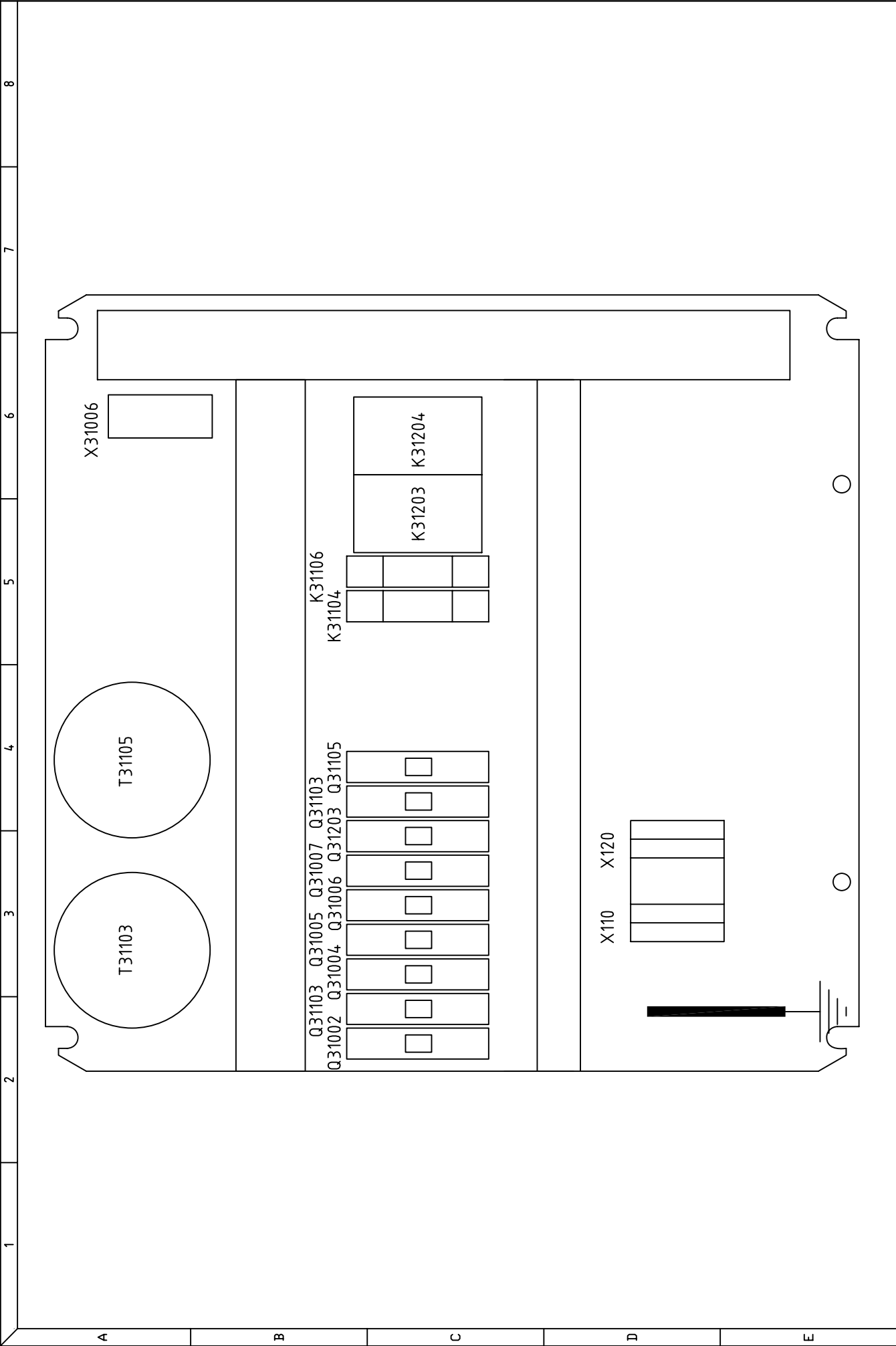
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1		2	3	4	5	6	7	8				
A	Index											
	100 Index											
	Layouts											
	101 Layout exterior											
B	102 Layout interior											
	Circuit diagrams											
	301 Incoming supply											
	310 Zone supply											
C	311 Branch supply											
	312 Contactor control											
	External connections											
	510 Zone supply											
D	511 Branch supply											
E												
Nr.		Date	Sign	Change	 FlexLink®				Department PSD/PDM		Drawing No.	
					Customer -		Project No. 9220213		Name Index		5113439	
					Drawn FJN		Date 2010-03-15		-		Sheet 100	Next 101



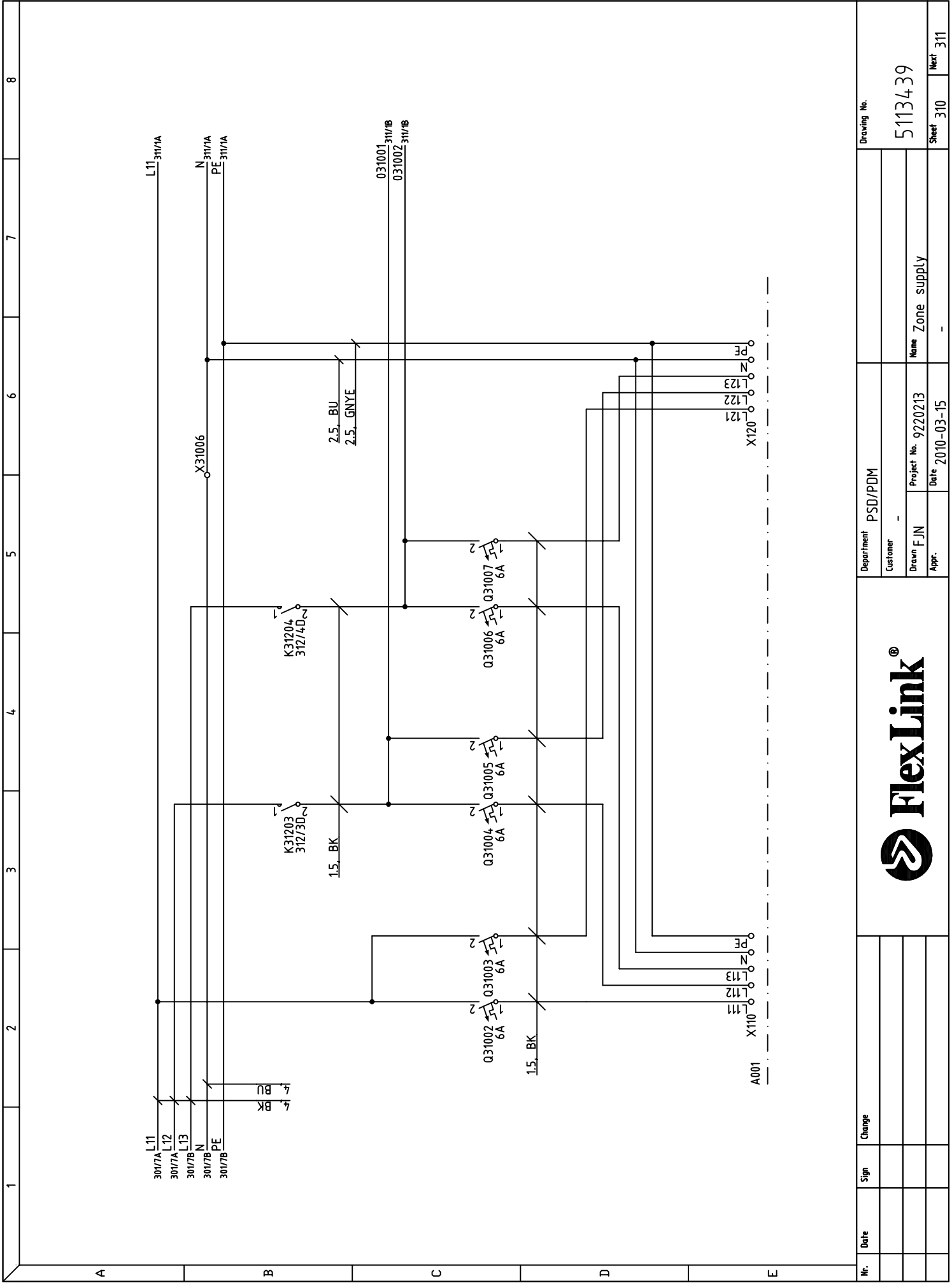


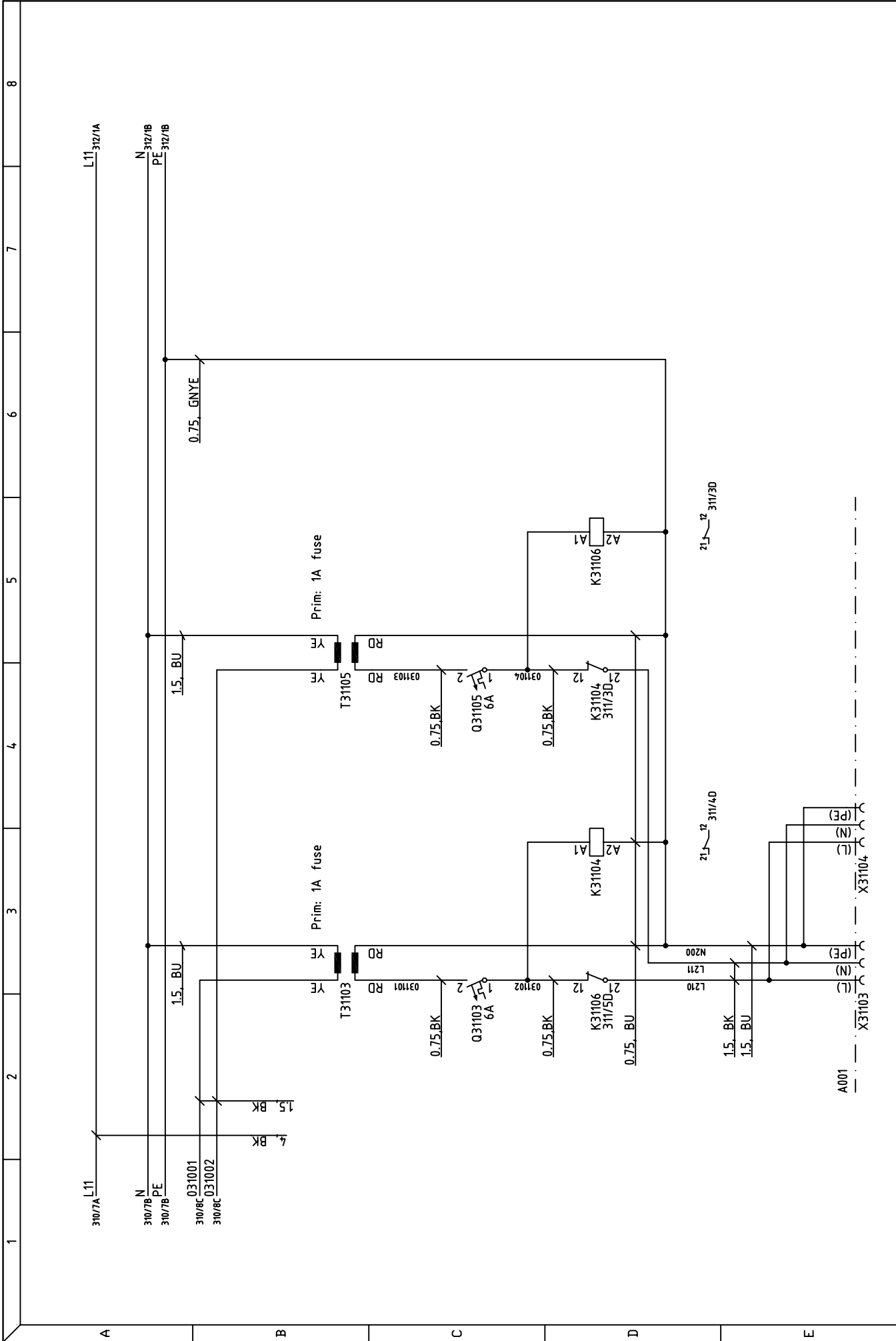
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						Department	Customer							
						Drawn	FJN	Project No.	9220213	Name				
						Appr.		Date	2010-03-15	Layout interior				
											Sheet	102	Next	301

Identification of wiring	
Earth conductors	GREEN-AND-YELLOW
Neutral conductors	BLUE
AC or DC power conductors	BLACK
AC control circuits	RED
DC control circuits	BLUE
Interlocking control circuits supplied from external power	ORANGE

Nr.	Date	Sign	Change
 FlexLink®			
Department PSD/PDM			
Customer -			
Drawn F J N		Project No. 9220213	
Appr.		Date 2010-03-15	
Name Incoming supply			
Drawing No. 5113439			Drawing No.
Sheet 301			Next 310





Nr.	Date	Sign	Change	FlexLink®				Department		PSD/PDM		Drawing No.	
								Customer	-	Project No.	9220213	Name	Branch supply
								Drawn	FJN			Sheet	311
								Appr.		Date	2010-03-15	Next	312

	1	2	3	4	5	6	7	8
A	X110 L111L112L113NPE X120 L121L122L123NPE A001							
B								
C								
D								
E								

Department

Customer

Drawn

Appr.

PSD/PDM

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FJN

Project No.

Date

9220213

2010-03-15

Name

Zone supply

-

Drawing No.

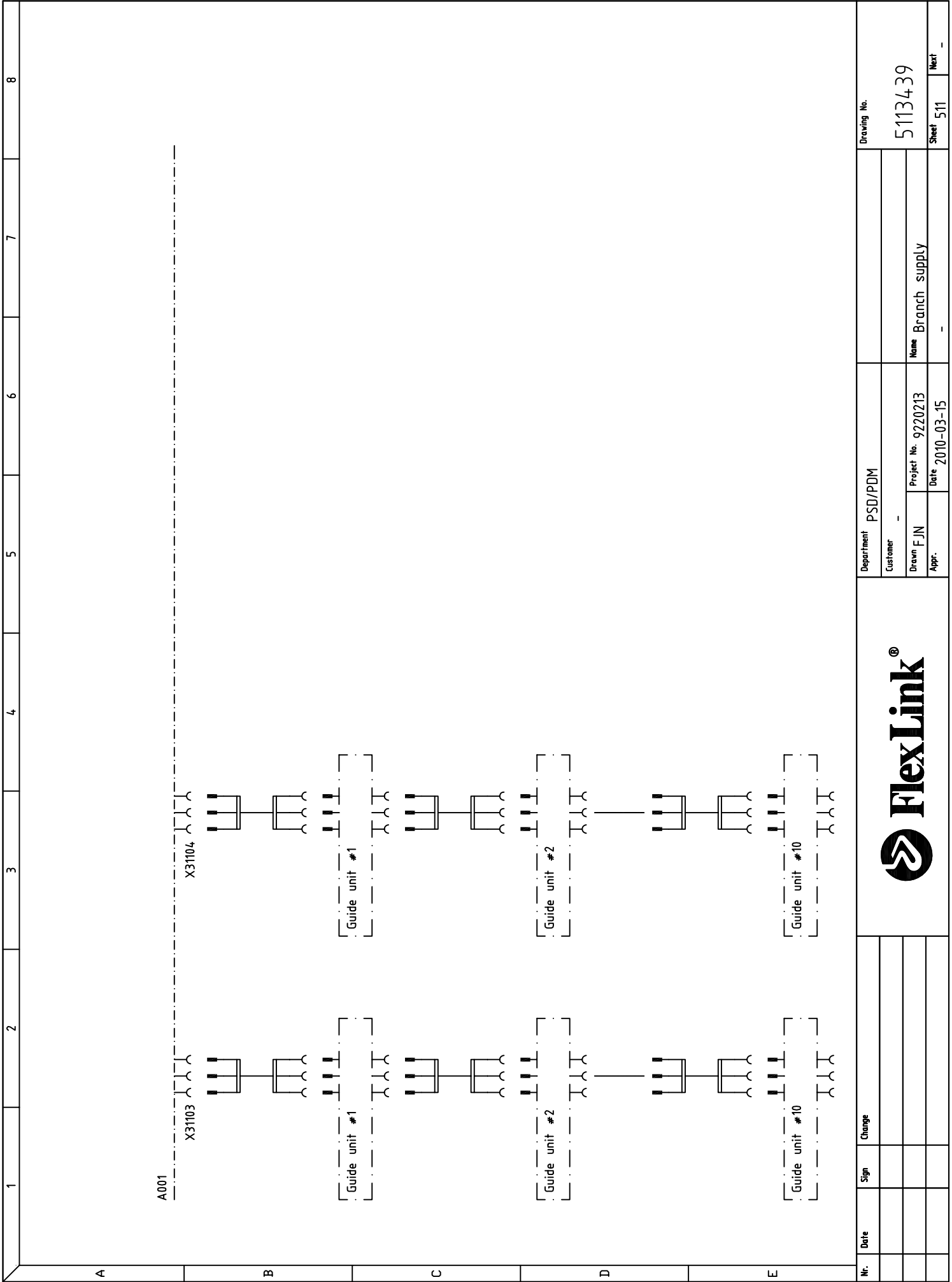
5113439

Sheet

510

Next

511



Spare parts list Control box 5113439

Pos	Des	Name	Manufacturer	Manufacturer item nr	Qty	Comment
S31203	Switch		Moeller Electric	216872		
S31203	Fixing adapter		Moeller Electric	216374		
S31203	Contact element		Moeller Electric	216376		
Q31002	Miniature circuit breaker		Merlin Gerin	C60N 1P C6A		
Q31003	Miniature circuit breaker		Merlin Gerin	C60N 1P C6A		
Q31004	Miniature circuit breaker		Merlin Gerin	C60N 1P C6A		
Q31005	Miniature circuit breaker		Merlin Gerin	C60N 1P C6A		
Q31006	Miniature circuit breaker		Merlin Gerin	C60N 1P C6A		
Q31007	Miniature circuit breaker		Merlin Gerin	C60N 1P C6A		
Q31103	Miniature circuit breaker		Merlin Gerin	C60N 1P C6A		
Q31105	Miniature circuit breaker		Merlin Gerin	C60N 1P C6A		
Q31203	Miniature circuit breaker		Merlin Gerin	C60N 1P C6A		
T31103	Transformer		FlexLink	5058593		
T31103	Fuse		Littlefuse	1A, 5x20mm		
T31105	Transformer		FlexLink	5058593		
T31105	Fuse		Littlefuse	1A, 5x20mm		
K31104	Relay		Finder	40.51.8.024		
K31104	Relay socket		Finder	95.05.SMA		
K31106	Relay		Finder	40.51.8.024		
K31106	Relay socket		Finder	95.05.SMA		
X31103	Connector		Wieland	96.031.1053.1		
X31104	Connector		Wieland	96.031.1053.1		