



**FlexLink®**

# **Control box**

**5057420-02**



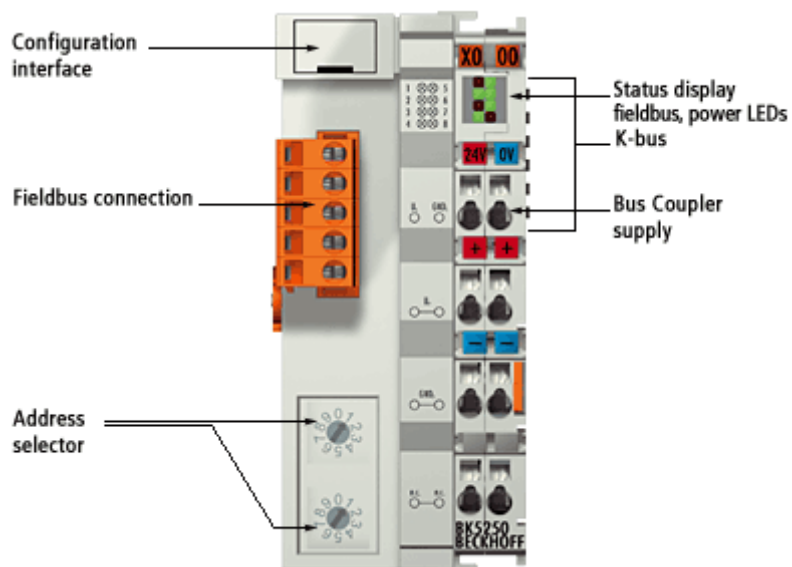
# Electrical supply

## Main

|                        |                |
|------------------------|----------------|
| Voltage                | 460-480 V (AC) |
| Phases                 | 3              |
| Frequency              | 60 Hz          |
| Current                | 4 A            |
| Short-circuit capacity | 200kA          |

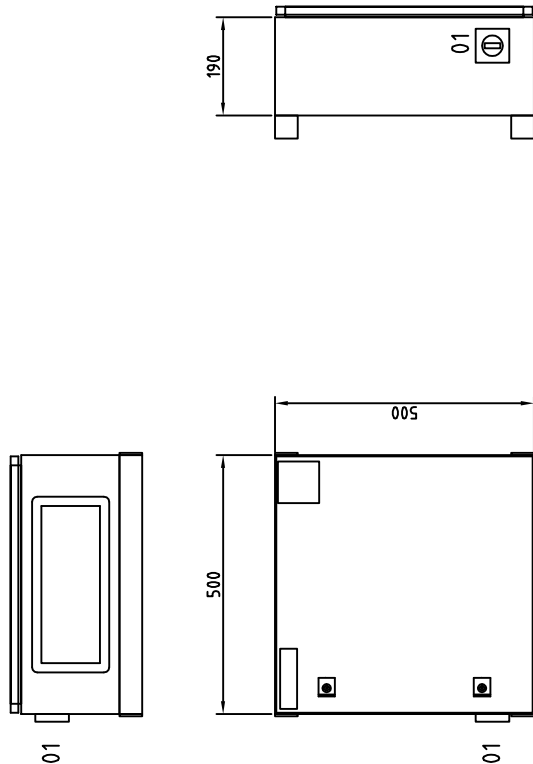
## Controls

|                    |                                                                         |
|--------------------|-------------------------------------------------------------------------|
| Additional cables  | Fieldbus DeviceNet + 24 V (DC) power supply                             |
| Fieldbus interface | Beckhoff, BK5250 <a href="http://www.beckhoff.com">www.beckhoff.com</a> |



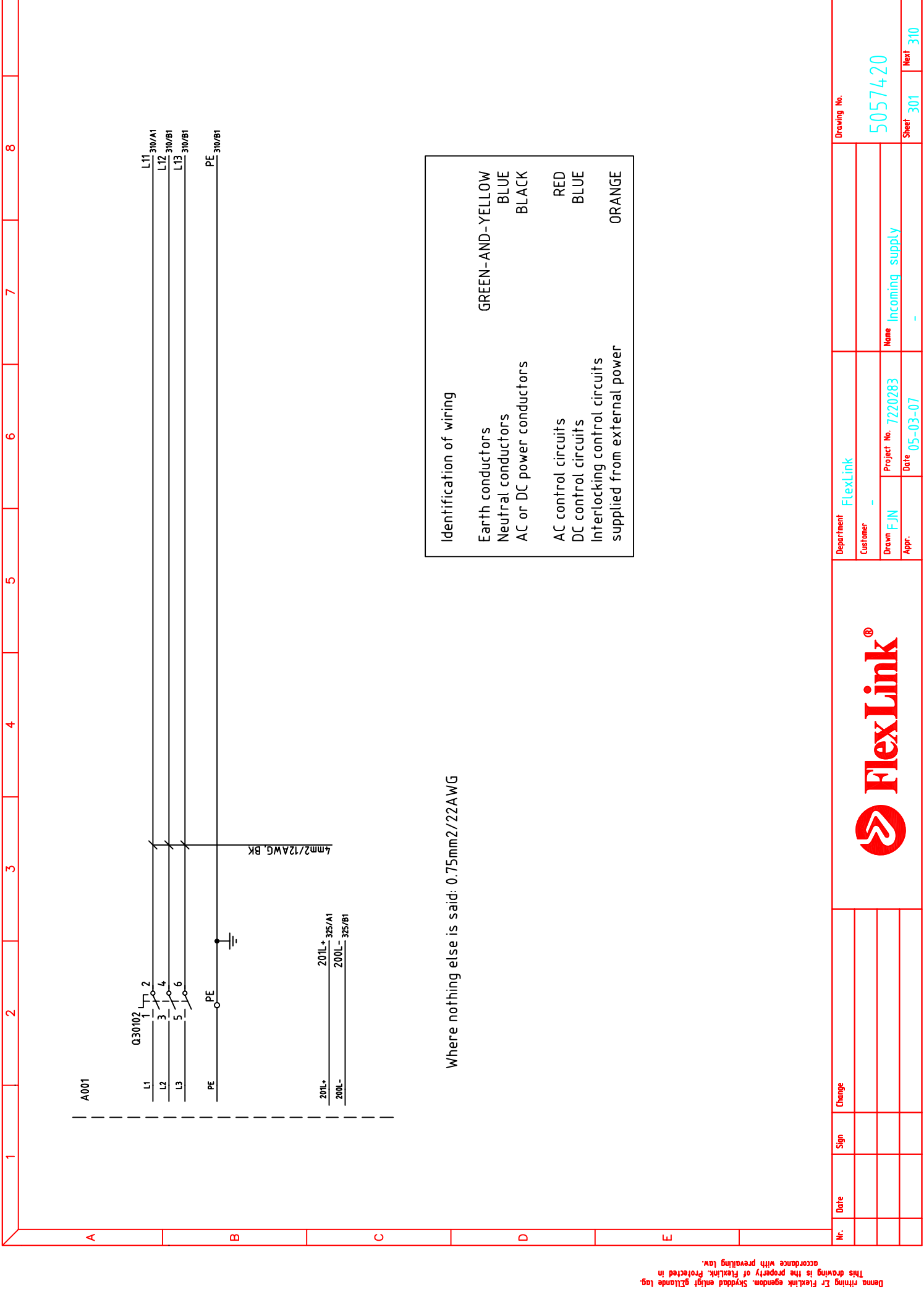
**Drawings**

| 1   |              | 2    |                       | 3    |                                                                   | 4             |                                                                          | 5                                                                                                         |                                    | 6                      |  | 7             |  | 8                      |  |
|-----|--------------|------|-----------------------|------|-------------------------------------------------------------------|---------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|------------------------------------|------------------------|--|---------------|--|------------------------|--|
| A   | Index<br>100 |      | Layouts<br>101<br>102 |      | Cabinet builder layouts<br>111<br>112<br>113<br>114<br>115<br>116 |               | Circuit diagrams<br>301<br>310<br>311<br>312<br>325<br>400<br>401<br>440 |                                                                                                           | External connections<br>510<br>511 |                        |  |               |  |                        |  |
|     | B            |      |                       |      |                                                                   |               |                                                                          |                                                                                                           |                                    |                        |  |               |  |                        |  |
|     | C            |      |                       |      |                                                                   |               |                                                                          |                                                                                                           |                                    |                        |  |               |  |                        |  |
|     | D            |      |                       |      |                                                                   |               |                                                                          |                                                                                                           |                                    |                        |  |               |  |                        |  |
|     | E            |      |                       |      |                                                                   |               |                                                                          |                                                                                                           |                                    |                        |  |               |  |                        |  |
|     |              |      |                       |      |                                                                   |               |                                                                          |                                                                                                           |                                    |                        |  |               |  |                        |  |
| Nr. |              | Date |                       | Sign |                                                                   | Change        |                                                                          | <div>FlexLink®</div> |                                    | Department<br>FlexLink |  |               |  | Drawing No.<br>5057420 |  |
|     |              |      |                       |      |                                                                   | Customer<br>- |                                                                          |                                                                                                           |                                    |                        |  |               |  |                        |  |
|     |              |      |                       |      |                                                                   | Drawn FJN     |                                                                          |                                                                                                           |                                    | Project No. 7220283    |  | Name<br>Index |  |                        |  |
|     |              |      |                       |      |                                                                   | Appr.         |                                                                          |                                                                                                           |                                    | Date 05-03-04          |  | Sheet 100     |  |                        |  |
|     |              |      |                       |      |                                                                   |               |                                                                          |                                                                                                           |                                    |                        |  | Next 101      |  |                        |  |



|                                                                                                        |                            |                            |                  |
|--------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|------------------|
|  <b>FlexLink®</b> | Department <b>FlexLink</b> |                            | Drawing No.      |
|                                                                                                        | Customer <b>-</b>          |                            | <b>5057420</b>   |
|                                                                                                        | Drawn <b>FJN</b>           | Project No. <b>7220283</b> |                  |
|                                                                                                        | Appr.                      | Date <b>05-03-02</b>       |                  |
|                                                                                                        |                            |                            | Sheet <b>101</b> |

[illegible]

[illegible][illegible][illegible]

A

B

C

D

E

1

2

3

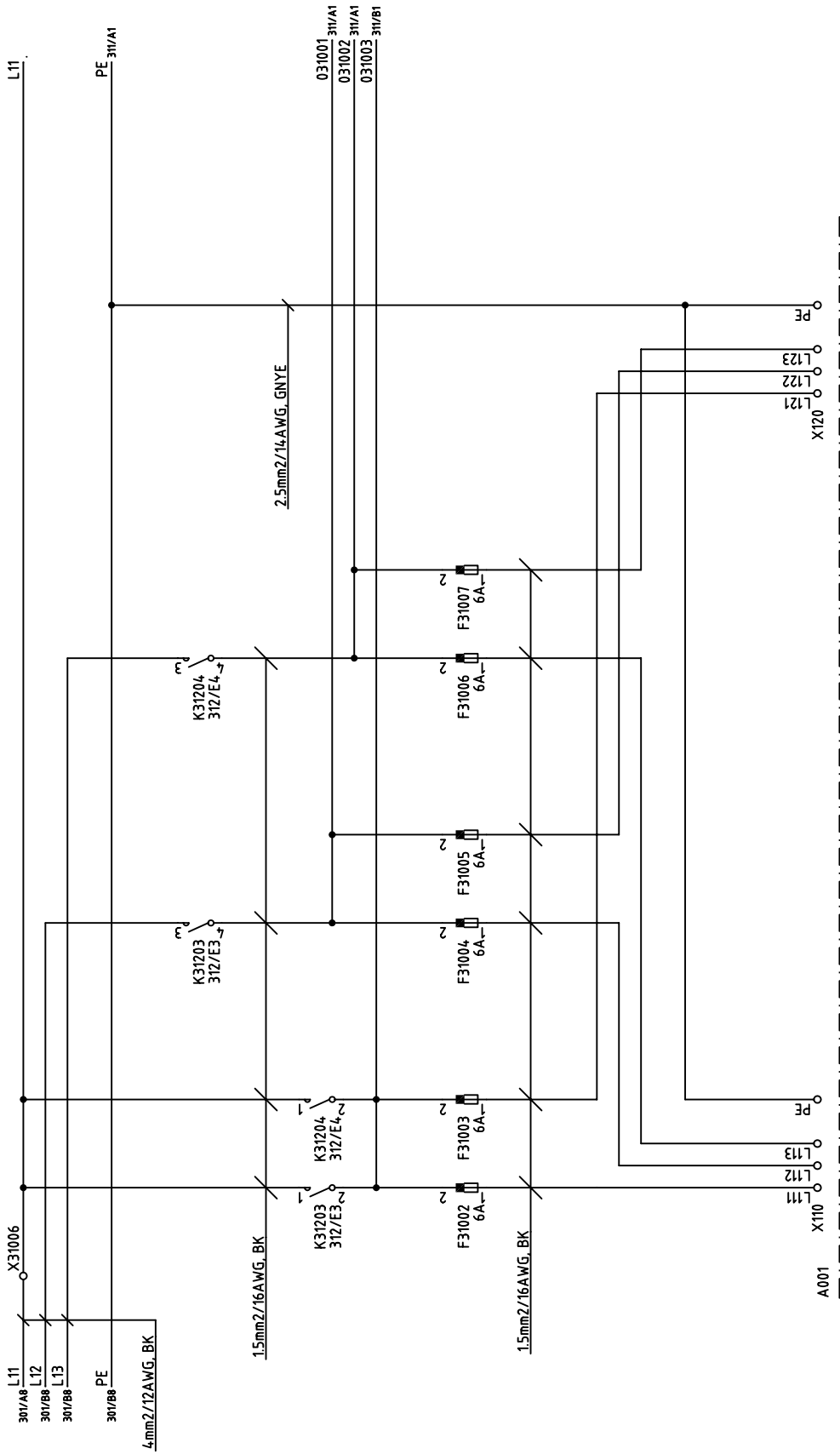
4

5

6

7

8



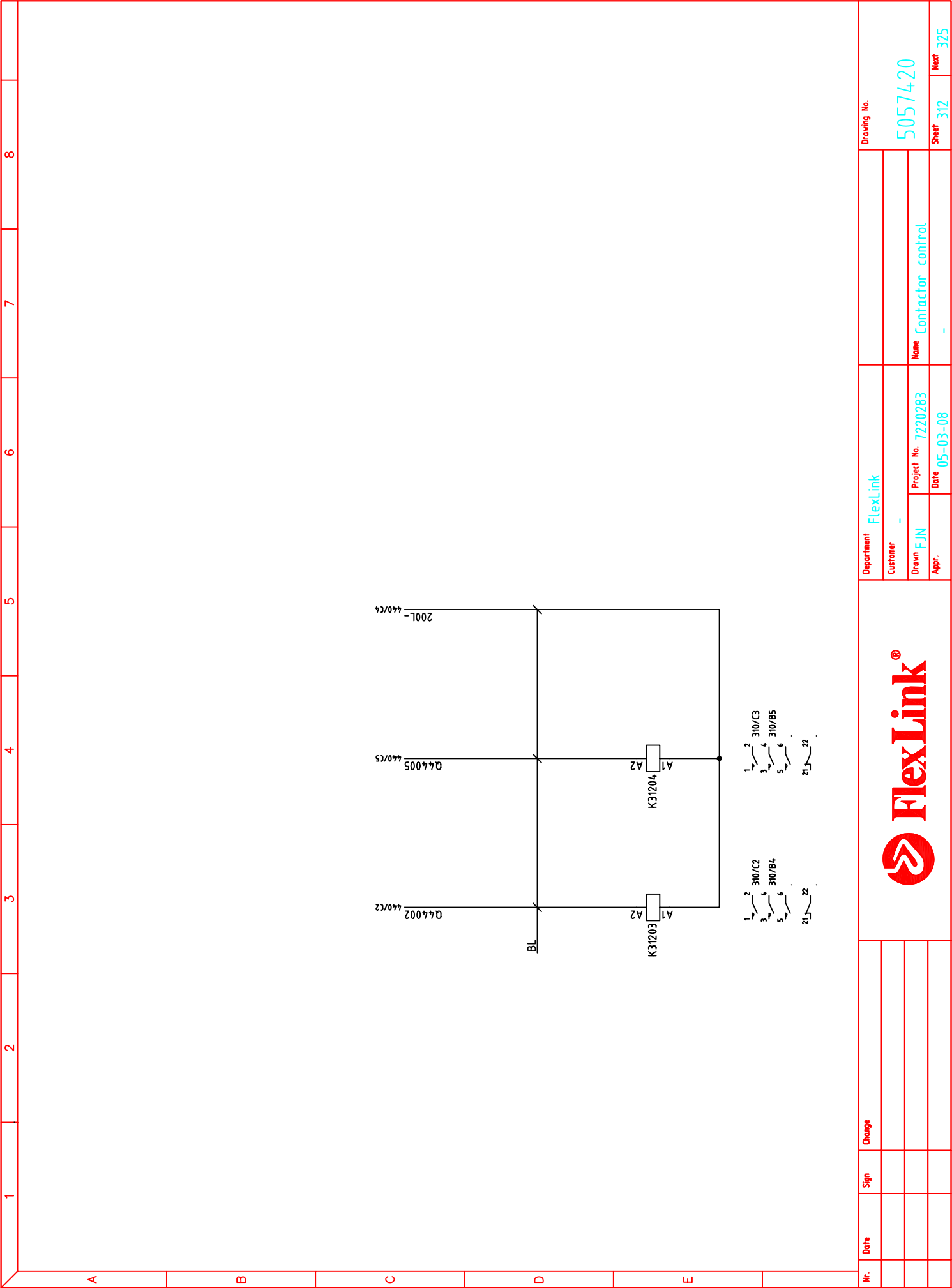
| Nr. | Date | Sign | Change |
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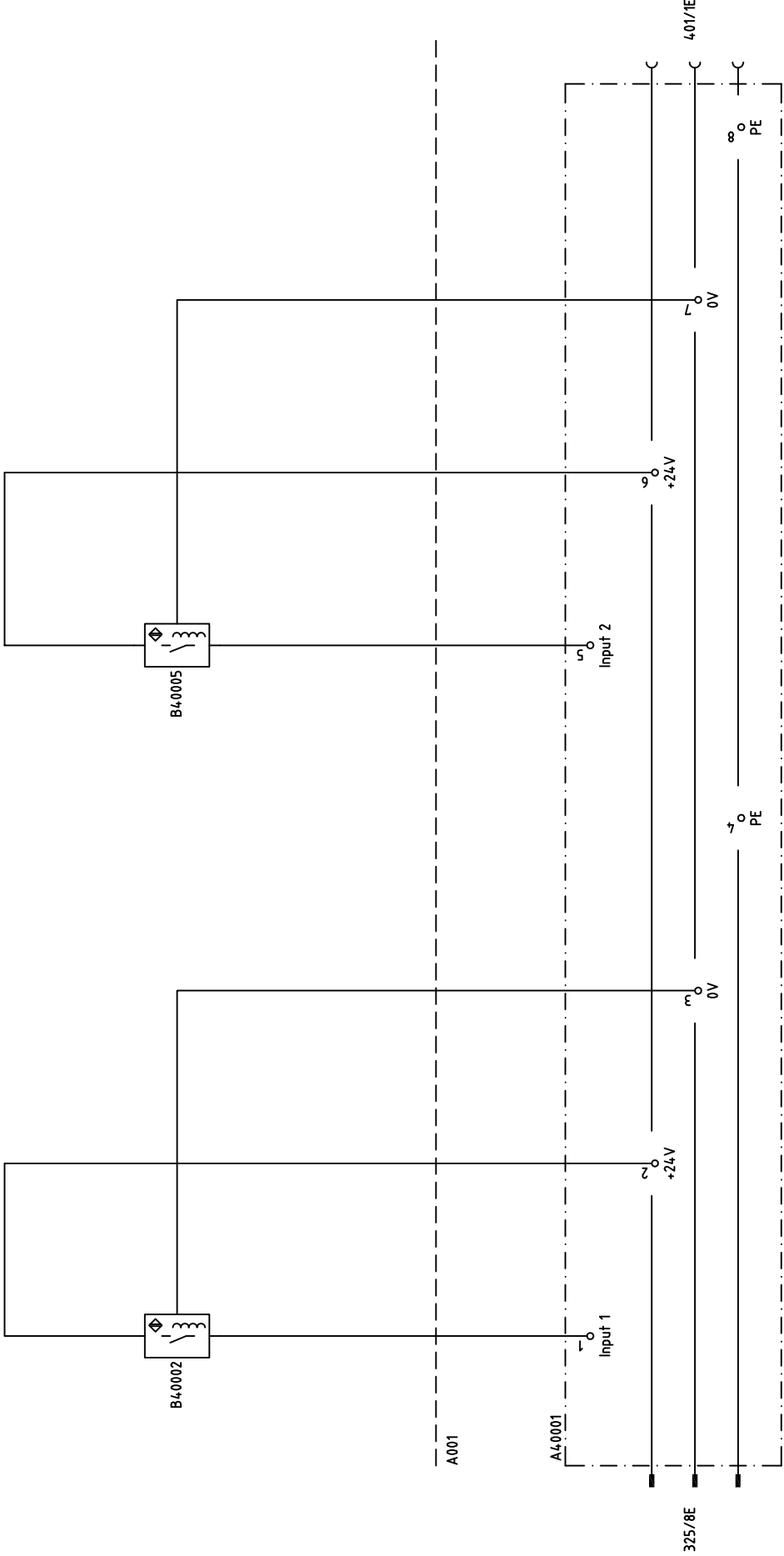
|             |             |
|-------------|-------------|
| Department  | FlexLink    |
| Customer    | -           |
| Drawn       | FJN         |
| Project No. | 7220283     |
| Date        | 05-03-08    |
| Name        | Zone supply |
| Appr.       | -           |

|             |         |
|-------------|---------|
| Drawing No. | 5057420 |
| Sheet       | 310     |
| Next        | 311     |









Reference  
sensor

Mode 1  
sensor

| Nr. | Date | Sign | Change |
|-----|------|------|--------|
|     |      |      |        |
|     |      |      |        |
|     |      |      |        |



|             |          |
|-------------|----------|
| Department  | FlexLink |
| Customer    | -        |
| Drawn       | FJN      |
| Project No. | 72200283 |
| Date        | 05-03-25 |
| Name        | Inputs   |
| Appr.       | -        |

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|-------------|---------|
| Drawing No. | 5057420 |
| Sheet       | 400     |
| Next        | 401     |





Motors  
outwards



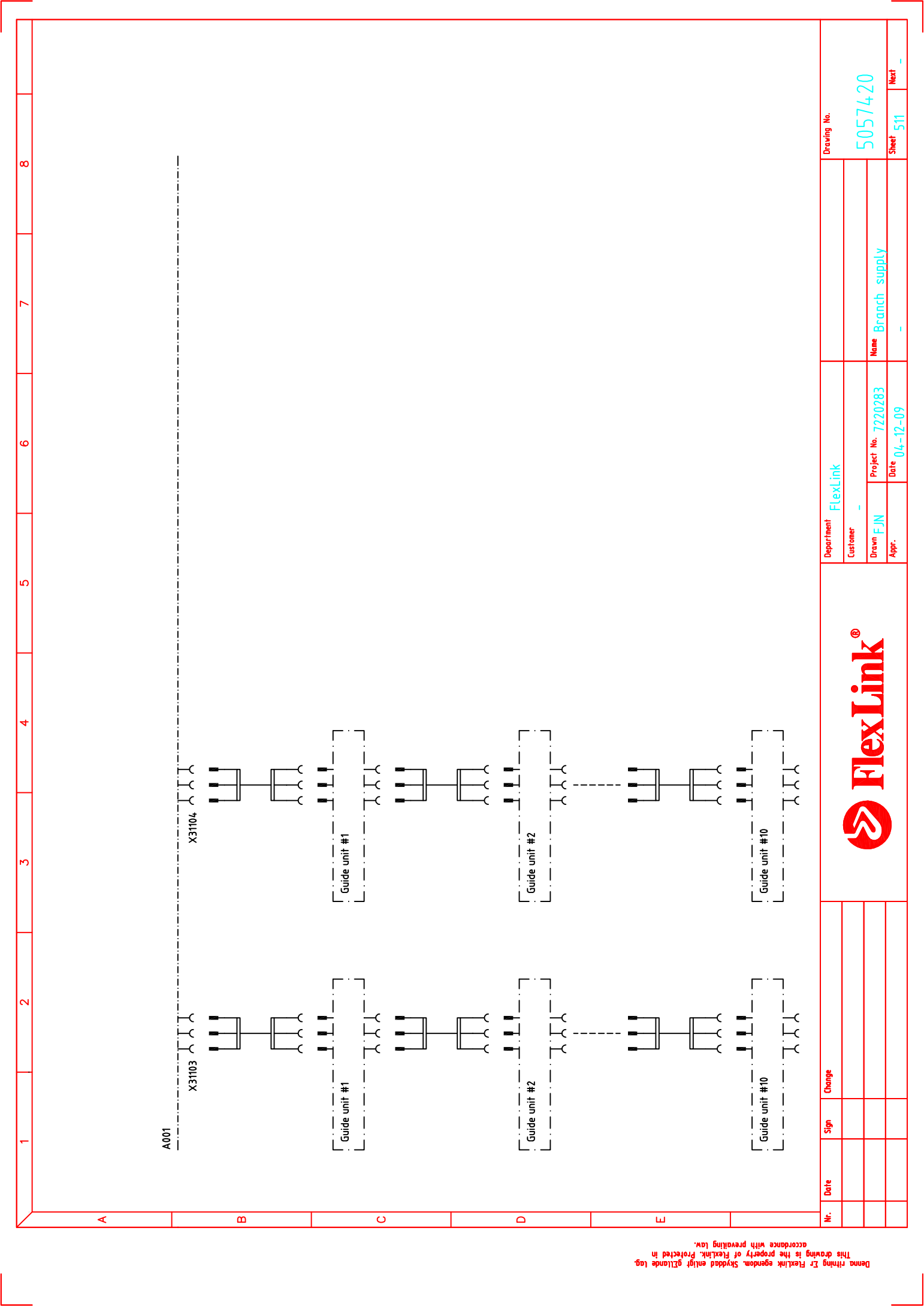
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|--------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|--------------------------------|
|  <b>FlexLink®</b> | Department <b>FlexLink</b> |                            | Drawing No.                    |
|                                                                                                        | Customer <b>-</b>          |                            |                                |
|                                                                                                        | Drawn <b>FJN</b>           | Project No. <b>7220283</b> |                                |
|                                                                                                        | Appr. <b>-</b>             | Date <b>05-04-06</b>       |                                |
|                                                                                                        |                            |                            | Sheet <b>440</b> Next <b>-</b> |
| Nr.                                                                                                    | Date                       | Sign                       | Change                         |
|                                                                                                        |                            |                            |                                |
|                                                                                                        |                            |                            |                                |
|                                                                                                        |                            |                            |                                |

|      |
|------|
| PE   |
| N    |
| L113 |
| L112 |
| L111 |

X110

A001

|  |     |      |      |        |                                                                                                                              |            |          |             |             |     |      |     |
|--|-----|------|------|--------|------------------------------------------------------------------------------------------------------------------------------|------------|----------|-------------|-------------|-----|------|-----|
|  | Nr. | Date | Sign | Change | <div></div> <div><b>FlexLink®</b></div> | Department | FlexLink |             | Drawing No. |     |      |     |
|  |     |      |      |        |                                                                                                                              | Customer   | -        |             |             |     |      |     |
|  |     |      |      |        |                                                                                                                              | Drawn      | FJN      | Project No. | 7220283     |     |      |     |
|  |     |      |      |        |                                                                                                                              | Appr.      |          | Date        | 04-12-09    |     |      |     |
|  |     |      |      |        |                                                                                                                              |            |          | Name        | Zone supply |     |      |     |
|  |     |      |      |        |                                                                                                                              |            |          |             | Sheet       | 510 | Next | 511 |



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| No. | Date | Sign | Change |
|-----|------|------|--------|
|     |      |      |        |
|     |      |      |        |
|     |      |      |        |



| Department |     | FlexLink    |          |
|------------|-----|-------------|----------|
| Customer   |     | -           |          |
| Drawn      | FJN | Project No. | 7220283  |
| Appr.      |     | Date        | 04-12-09 |

| Drawing No. |               |
|-------------|---------------|
| 5057420     |               |
| Name        | Branch supply |
| Sheet       | 511           |
| Next        | -             |