



CUBIX AUTOTMATION PVT LTD

Sr. No 25/5 Nanded Phata Singhad Road  
411041 PUNE  
Phone. 9689943321

Company / customer

Project description

Drawing number

Commission

BFL - MUNDHWA

Collar Heating Machine

W/FA/P22241

BFL - MUNDHWA

Manufacturer (company)

Path

Project name

Make

Type

Place of installation

Responsible for project

Part feature

CUBIX AUTOTMATION PVT LTD

Collar Heating Machine

Universal VESA

Indoor

Created on

18-03-2022

Edit date

14-07-2022

Number of pages

17

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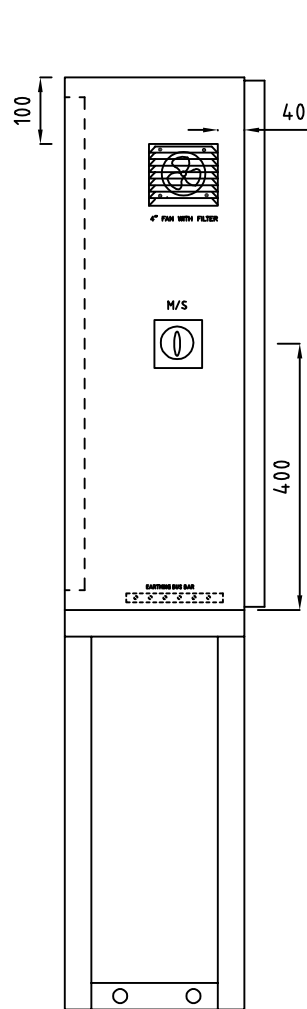
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|--------------|---------|--------|----------|------------|---|-------------|---|---------------------------|---|-------------|------|--------|--|
|              |         |        | Date     | 13-07-2022 | BFL - MUNDHWA<br>Collar Heating Machine |             |  | CUBIX AUTOTMATION PVT LTD | Table of contents : =CA1+EAA1/1 -<br>=CA1+EAA1/17 |             |      | = CA1  |  |
|              | CHECKED | S.B.B. | Ed.      |            |   |             |   |                           |   |             |      | + EAA1 |  |
|              | DWG     | P.M.R. | Appr     |            |   |             |   |                           |   |             |      |        |  |
| Modification | Date    | Name   | Original |            | Replaced by                             | Replaced by |   |                           |   | W/FA/P22241 | Page | 2      |  |
|              |         |        |          |            |   |             |   |                           |   |             | Page | 57     |  |

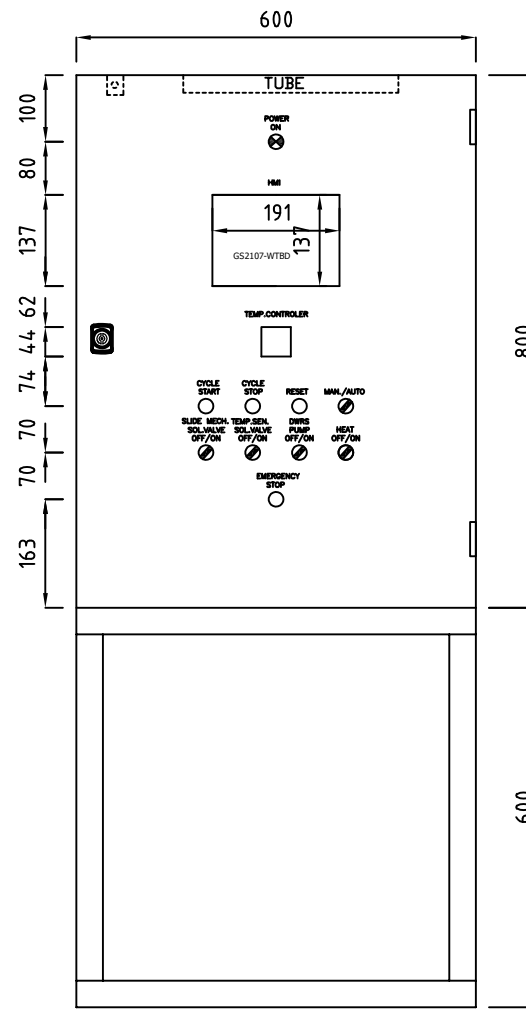
| SR.NO | TAG.                            | DESCRIPTION                     |                            |
|-------|---------------------------------|---------------------------------|----------------------------|
| 1     | POER ON                         | GREEN LAMP 230 VAC              | R1L                        |
| 2     | M/S                             | MAIN SWITCH 3P/32AMP            |                            |
| 3     | CYCLE START                     | GREEN PB 1NO                    | 24V,X2                     |
| 4     | CYCLE STOP                      | RED PB 1NO                      | X3,24V                     |
| 5     | RESET                           | YELLOW PB 2 NO                  | X12,24V/70,71              |
| 6     | MAN./AUTO                       | SELECTOR SWITCH<br>OFF /ON 1 NO | X1,24V                     |
| 7     | SLIDE MECH.<br>SOL.VALVE OFF/ON | SELECTOR SWITCH<br>OFF /ON 1 NO | X5,24V                     |
| 8     | TEMP.SEN.<br>SOL.VALVE OFF/ON   | SELECTOR SWITCH<br>OFF /ON 1 NO | X6,24V                     |
| 9     | DWRS PUMP OFF/ON                | SELECTOR SWITCH<br>OFF /ON 2 NO | X11,24V<br>DWRS--A,DWRS--B |
| 10    | HEAT OFF/ON                     | SELECTOR SWITCH<br>OFF /ON 2 NO | X4,24V                     |
| 11    | EMERGENCY STOP                  | YELLOW RED PB 2NC               | X0,24V/50,50C              |

NOTES:—

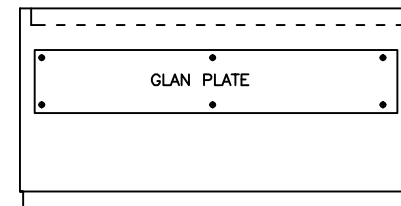
- 1) PANEL —800H\*600W\*300D\* IP—46 ELDON
- 2) PANEL STAND 40\*40 ANGLE STAND BLACK COLOUR
- 2) FABRICATION:— 14/16 SWG. CRCA SHEET STEEL
- 3) PAINTING :— RL7035 IP 45
- 4) PAINT FOR BASE PLATE :— GI ELDON STD
- 5) TEMP.CONTROLER CUTOUT 44H\*44W\*
- 6) ALL DIMENSIONS ARE IN MM



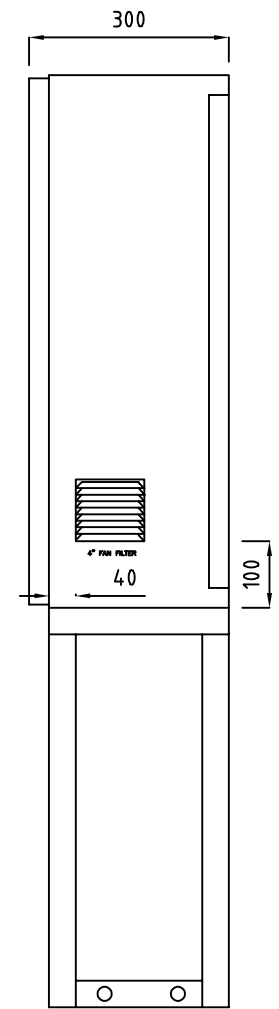
LH VIEW



FRONT VIEW

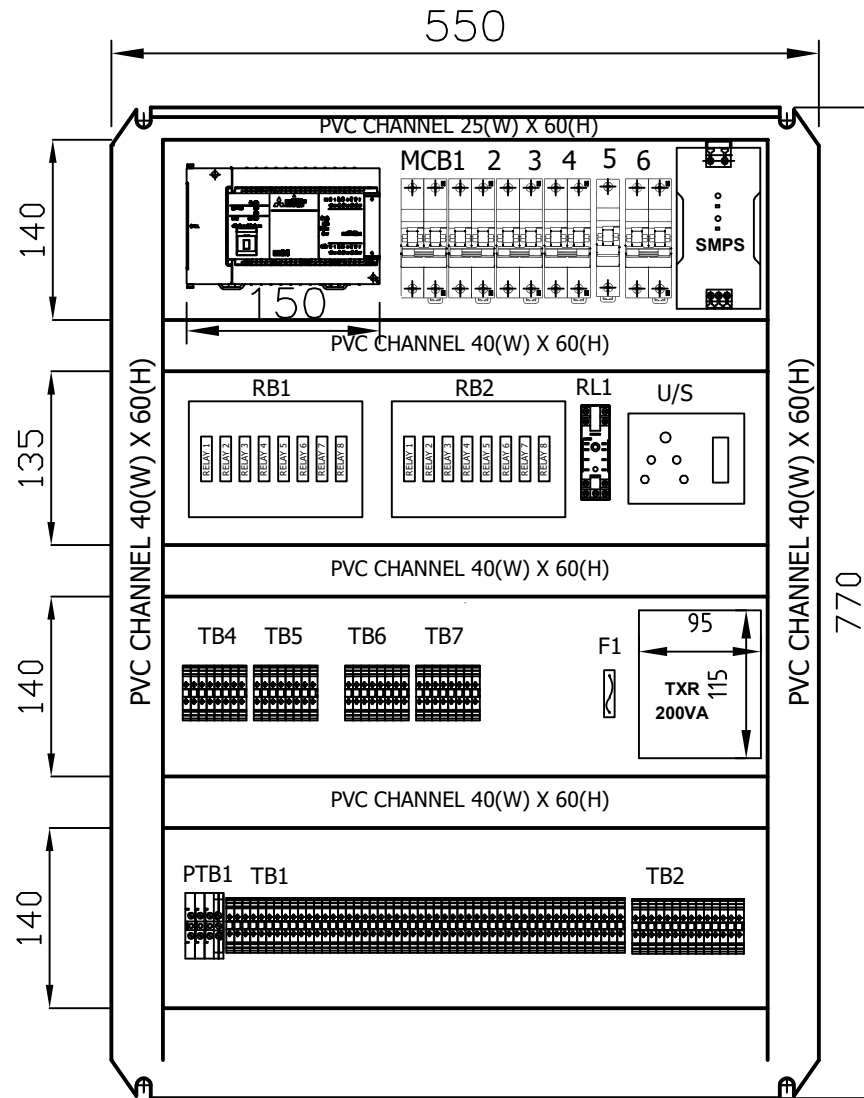


BOTTOM VIEW






RH VIEW

|              |         |        |          |            |                        |                           |               |             |         |
|--------------|---------|--------|----------|------------|------------------------|---------------------------|---------------|-------------|---------|
|              | CHECKED | S.B.B. | Date     | 13-07-2022 | BFL - MUNDHWA          | CUBIX AUTOTMATION PVT LTD | MAIN PANEL GA | = CA1       |         |
| Submission 1 | DWG     | P.M.R. | Appr     |            | Collar Heating Machine |                           |               | + EAA1      | Page 3  |
| Modification | Date    | Name   | Original |            | Replaced by            | Replaced by               |               | W/FA/P22241 | Page 57 |



| TAG.   | DESCRIPTION               |
|--------|---------------------------|
| PLC    | FX5U-32MR/ES              |
| MCB -1 | 2P/4AMP                   |
| MCB -2 | 2P/4AMP                   |
| MCB -3 | 2P/2AMP                   |
| MCB -4 | 2P/6AMP                   |
| MCB -5 | 1P/6AMP                   |
| MCB -6 | 2P/10AMP                  |
| SMPS   | 5 AMP 24 VDC              |
| RB1 &2 | RELAY BOARD 8 CH          |
| RL1    | 230VAC COIL RELAY         |
| U/S    | UTILITY SOCKET 5 AMP      |
| F1     | 230 FUSE TERMINAL         |
| TB4    | 24VDC BUS TERMINAL        |
| TB5    | AUX SUPPLY BUS TERMINAL   |
| TB6    | AUX SUPPLY BUS TERMINAL   |
| TB7    | FUTURE PROVISION TERMINAL |
| PTB1   | POWER TERMINAL            |
| TB1    | INPUT TERMINAL            |
| TB2    | OUTPUT TERMINAL           |
| PE     | EARTHING BUS BAR          |

| 0   | 1                         | 2   | 3        | 4 | 5 | 6 | 7 | 8 | 9 |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
|---|---------------------------|---|----------|---|---|---|---|---|---|---------------|-------------|-----------|--------------|--------|---------|--------|---------|--------|---------|--------|---------|--------------|---------|--------|----------|--------------|--------------|--------|------------------|---------------|-------------------|---------------------------|---------------------|------------------------|-------------------|------------------------|--------------------|-------------|-------------------------|-------------|-------------------------|-----|---------------------------|---|----------------|-----|----------------|-------------|-----------------|----|------------------|---|--|--|--|---|--|--|--|--|--|
| <table border="1"> <thead> <tr> <th>TAG.</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>PLC</td><td>FX5U-32MR/ES</td></tr> <tr><td>MCB -1</td><td>2P/4AMP</td></tr> <tr><td>MCB -2</td><td>2P/4AMP</td></tr> <tr><td>MCB -3</td><td>2P/2AMP</td></tr> <tr><td>MCB -4</td><td>2P/6AMP</td></tr> <tr><td>MCB -5</td><td>1P/6AMP</td></tr> <tr><td>MCB -6</td><td>2P/10AMP</td></tr> <tr><td>SMPS</td><td>5 AMP 24 VDC</td></tr> <tr><td>RB1 &amp;2</td><td>RELAY BOARD 8 CH</td></tr> <tr><td>RL1</td><td>230VAC COIL RELAY</td></tr> <tr><td>U/S</td><td>UTLITY SOCKET 5 AMP</td></tr> <tr><td>F1</td><td>230 FUSE TERMINAL</td></tr> <tr><td>TB4</td><td>24VDC BUS TERMINAL</td></tr> <tr><td>TB5</td><td>AUX SUPPLY BUS TERMINAL</td></tr> <tr><td>TB6</td><td>AUX SUPPLY BUS TERMINAL</td></tr> <tr><td>TB7</td><td>FUTURE PROVISION TERMINAL</td></tr> <tr><td>PTB1</td><td>POWER TERMINAL</td></tr> <tr><td>TB1</td><td>INPUT TERMINAL</td></tr> <tr><td>TB2</td><td>OUTPUT TERMINAL</td></tr> <tr><td>PE</td><td>EARTHING BUS BAR</td></tr> </tbody> </table>  |                           |   |          |   |   |   |   |   |   | TAG.          | DESCRIPTION | PLC       | FX5U-32MR/ES | MCB -1 | 2P/4AMP | MCB -2 | 2P/4AMP | MCB -3 | 2P/2AMP | MCB -4 | 2P/6AMP | MCB -5       | 1P/6AMP | MCB -6 | 2P/10AMP | SMPS         | 5 AMP 24 VDC | RB1 &2 | RELAY BOARD 8 CH | RL1           | 230VAC COIL RELAY | U/S                       | UTLITY SOCKET 5 AMP | F1                     | 230 FUSE TERMINAL | TB4                    | 24VDC BUS TERMINAL | TB5         | AUX SUPPLY BUS TERMINAL | TB6         | AUX SUPPLY BUS TERMINAL | TB7 | FUTURE PROVISION TERMINAL | PTB1  | POWER TERMINAL | TB1 | INPUT TERMINAL | TB2         | OUTPUT TERMINAL | PE | EARTHING BUS BAR |   |  |  |  |   |  |  |  |  |  |
| TAG.  | DESCRIPTION               |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| PLC   | FX5U-32MR/ES              |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| MCB -1  | 2P/4AMP                   |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| MCB -2  | 2P/4AMP                   |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| MCB -3  | 2P/2AMP                   |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| MCB -4  | 2P/6AMP                   |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| MCB -5  | 1P/6AMP                   |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| MCB -6  | 2P/10AMP                  |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| SMPS  | 5 AMP 24 VDC              |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| RB1 &2  | RELAY BOARD 8 CH          |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| RL1   | 230VAC COIL RELAY         |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| U/S   | UTLITY SOCKET 5 AMP       |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| F1  | 230 FUSE TERMINAL         |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| TB4   | 24VDC BUS TERMINAL        |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| TB5   | AUX SUPPLY BUS TERMINAL   |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| TB6   | AUX SUPPLY BUS TERMINAL   |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| TB7   | FUTURE PROVISION TERMINAL |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| PTB1  | POWER TERMINAL            |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| TB1   | INPUT TERMINAL            |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| TB2   | OUTPUT TERMINAL           |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| PE  | EARTHING BUS BAR          |   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| <table border="1"> <tr> <td colspan="2">PREVIOUS PAGE</td> <td colspan="2">NEXT PAGE</td> </tr> <tr> <td>4</td> <td></td> <td>6</td> <td></td> </tr> <tr> <td></td> <td>CHECKED</td> <td>S.B.B.</td> <td>Ed.</td> </tr> <tr> <td>Submission 1</td> <td>DWG</td> <td>P.M.R.</td> <td>Appr</td> </tr> <tr> <td>Modification</td> <td>Date</td> <td>Name</td> <td>Original</td> </tr> <tr> <td colspan="2">BFL - MUNDHWA</td> <td colspan="2">CUBIX AUTOTMATION PVT LTD</td> </tr> <tr> <td colspan="2">Collar Heating Machine</td> <td colspan="2">BASE PLATE DESCRIPTION</td> </tr> <tr> <td colspan="2">Replaced by</td> <td colspan="2">Replaced by</td> </tr> <tr> <td colspan="2"></td> <td colspan="2">  </td> </tr> <tr> <td colspan="2"></td> <td colspan="2">W/FA/P22241</td> </tr> <tr> <td colspan="2"></td> <td colspan="2"> <div> <div>CA1</div> <div>EAA1</div> </div> </td> </tr> <tr> <td colspan="2"></td> <td colspan="2"> <div> <div>Page</div> <div>5</div> </div> </td> </tr> <tr> <td colspan="2"></td> <td colspan="2"> <div> <div>Page</div> <div>57</div> </div> </td> </tr> </table> |                           |   |          |   |   |   |   |   |   | PREVIOUS PAGE |             | NEXT PAGE |              | 4      |         | 6      |         |        | CHECKED | S.B.B. | Ed.     | Submission 1 | DWG     | P.M.R. | Appr     | Modification | Date         | Name   | Original         | BFL - MUNDHWA |                   | CUBIX AUTOTMATION PVT LTD |                     | Collar Heating Machine |                   | BASE PLATE DESCRIPTION |                    | Replaced by |                         | Replaced by |                         |     |                           |  |                |     |                | W/FA/P22241 |                 |    |                  | <div> <div>CA1</div> <div>EAA1</div> </div> |  |  |  | <div> <div>Page</div> <div>5</div> </div> |  |  |  | <div> <div>Page</div> <div>57</div> </div> |  |
| PREVIOUS PAGE   |                           | NEXT PAGE   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| 4   |                           | 6   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
|   | CHECKED                   | S.B.B.  | Ed.      |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| Submission 1  | DWG                       | P.M.R.  | Appr     |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| Modification  | Date                      | Name  | Original |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| BFL - MUNDHWA   |                           | CUBIX AUTOTMATION PVT LTD   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| Collar Heating Machine  |                           | BASE PLATE DESCRIPTION  |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
| Replaced by   |                           | Replaced by   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
|   |                           |  |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
|   |                           | W/FA/P22241   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
|   |                           | <div> <div>CA1</div> <div>EAA1</div> </div>   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
|   |                           | <div> <div>Page</div> <div>5</div> </div>   |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |
|   |                           | <div> <div>Page</div> <div>57</div> </div>  |          |   |   |   |   |   |   |               |             |           |              |        |         |        |         |        |         |        |         |              |         |        |          |              |              |        |                  |               |                   |                           |                     |                        |                   |                        |                    |             |                         |             |                         |     |                           |   |                |     |                |             |                 |    |                  |   |  |  |  |   |  |  |  |  |  |

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# CABLE COLOUR CODE

|       |   |        |
|-------|---|--------|
| POWER | R | RED    |
|       | Y | YELLOW |
|       | B | BLUE   |
|       | N | BLACK  |

|                 |       |
|-----------------|-------|
| 230VAC POSITIVE | RED   |
| 230VAC NEGATIVE | BLACK |

|                  |      |
|------------------|------|
| CONTROL POSITIVE | GREY |
| CONTROL NEGATIVE | GREY |

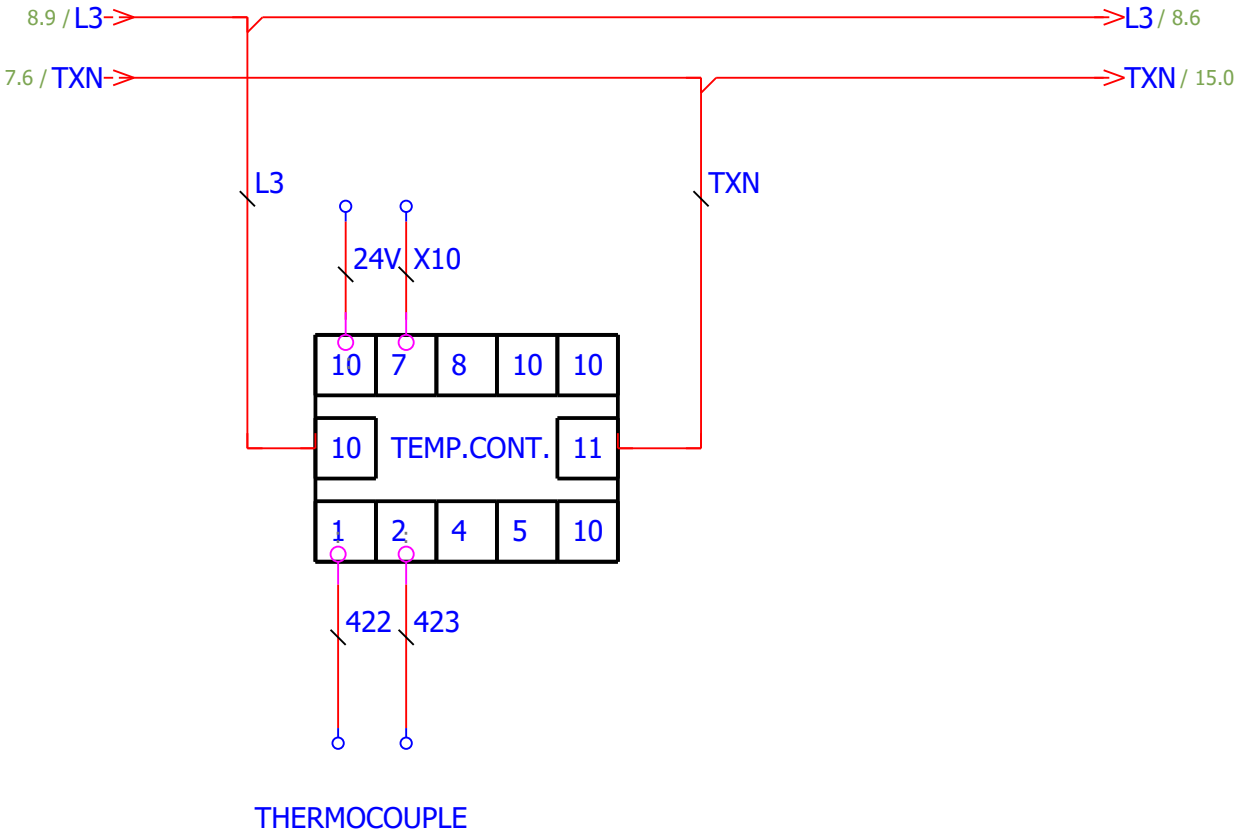
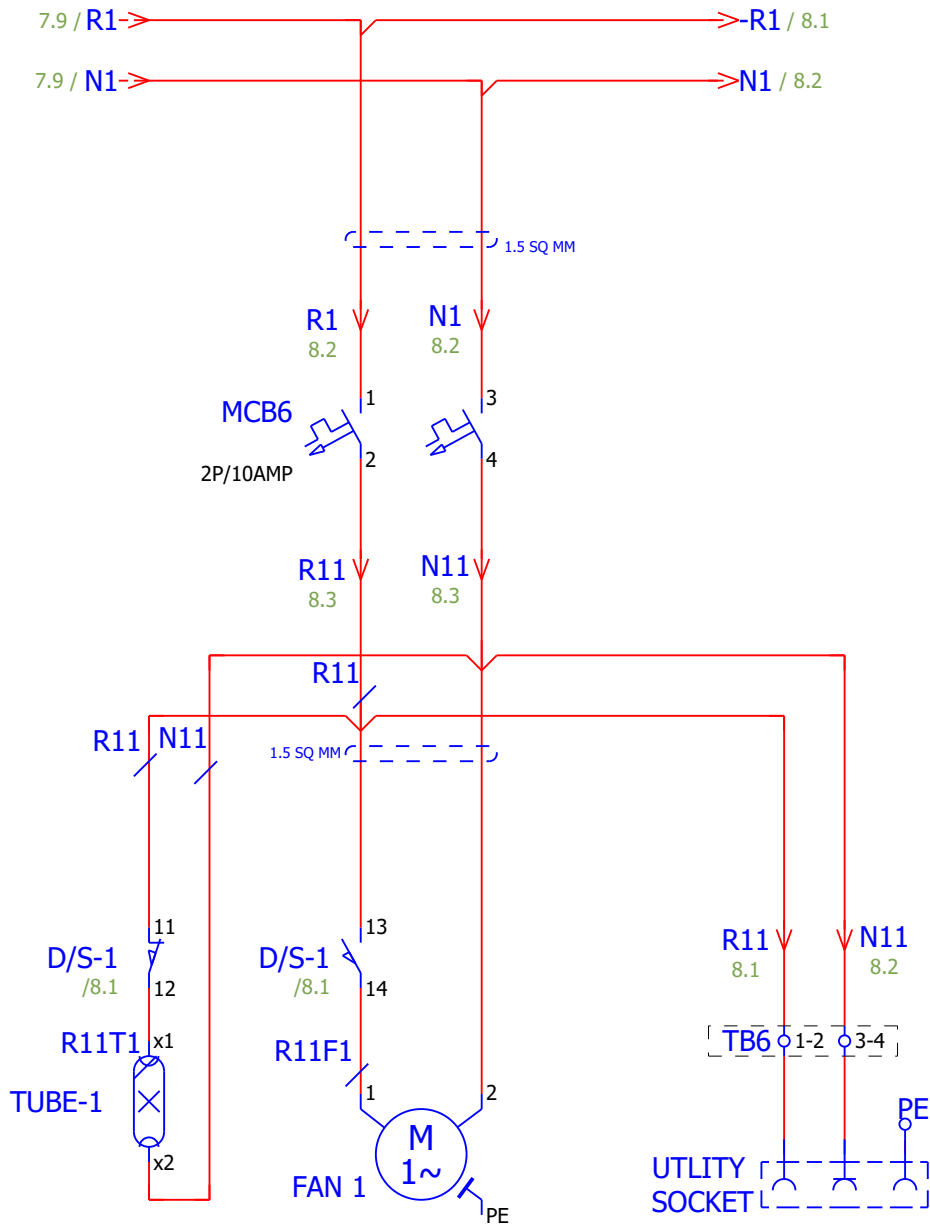
|                |              |
|----------------|--------------|
| PLC INPUT      | BLUE         |
| PLC OUTPUT     | ORANGE       |
| 24VDC POSITIVE | BROWN        |
| 24VDC NEGATIVE | WHITE        |
| EARTHING       | YELLOW/GREEN |

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|              |         |        |          |            |                        |   |                   |             |        |    |
|--------------|---------|--------|----------|------------|------------------------|---|-------------------|-------------|--------|----|
|              | CHECKED | S.B.B. | Ed.      | 13-07-2022 | BFL - MUNDHWA          | CUBIX AUTOTMATION PVT LTD   | CABLE COLOUR CODE |             | = CA1  |    |
| Submission 1 | DWG     | P.M.R. | Appr     |            | Collar Heating Machine |  |                   |             | + EAA1 |    |
| Modification | Date    | Name   | Original |            | Replaced by            | Replaced by   |                   | W/FA/P22241 | Page   | 6  |
|              |         |        |          |            |                        |   |                   |             | Page   | 57 |



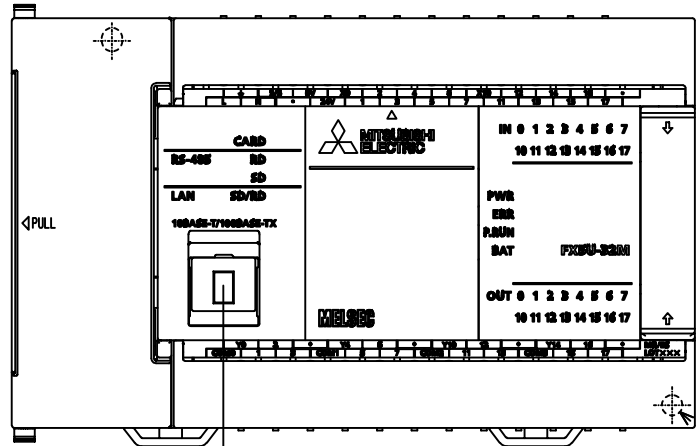


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|              | CHECKED | S.B.B. | Date     | 14-07-2022 | BFL - MUNDHWA          | CUBIX AUTOTMATION PVT LTD   | AUX SUPPLY & FAN , TUBE CONTROL WIRING |             | = CA1<br>+ EAA1 |
| Submission 1 | DWG     | P.M.R. | Appr     |            | Collar Heating Machine |  |  | W/FA/P22241 | Page 8          |
| Modification | Date    | Name   | Original |            | Replaced by            | Replaced by   |  |             | Page 57         |

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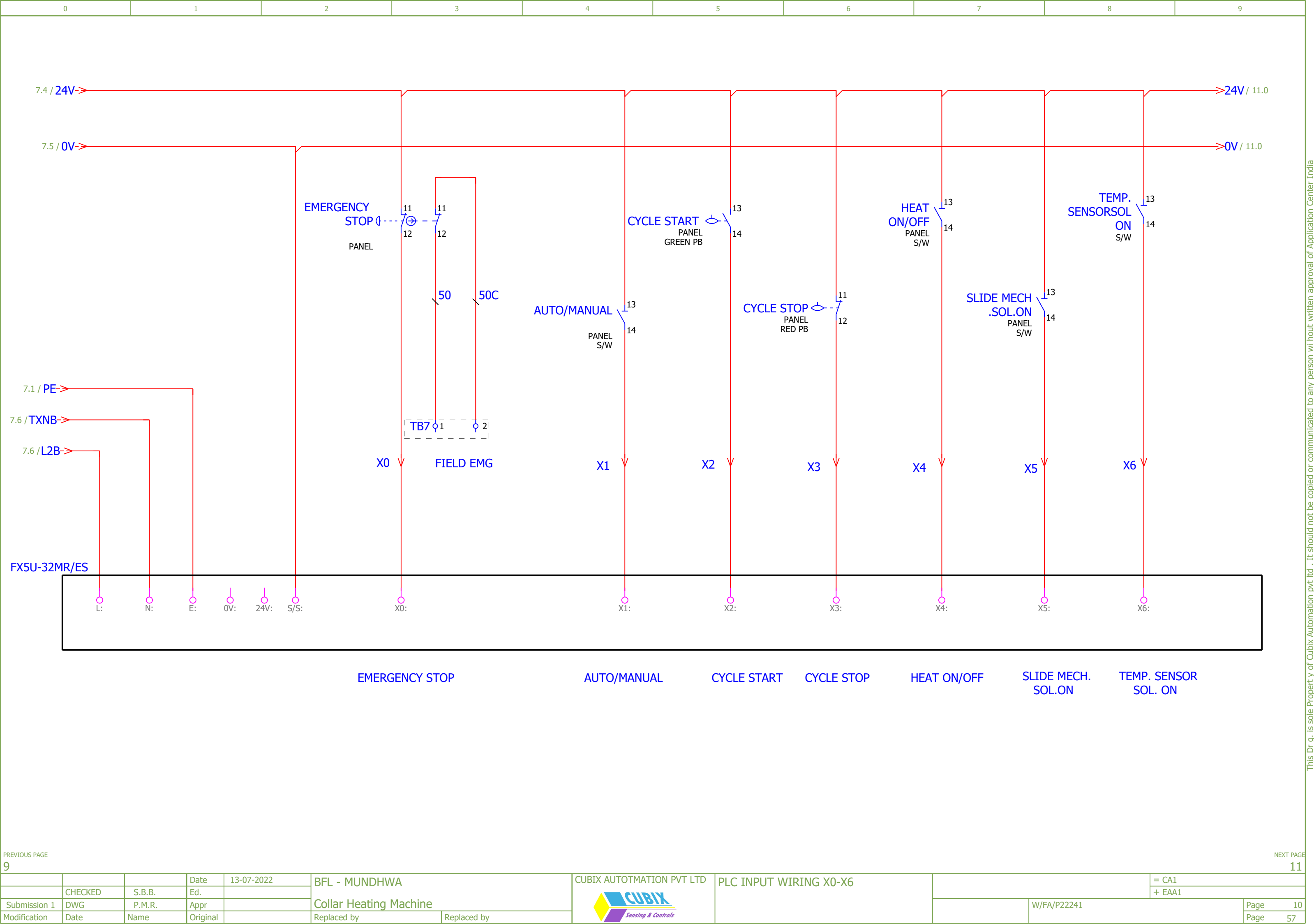
PLC SYSTEM LAYOUT

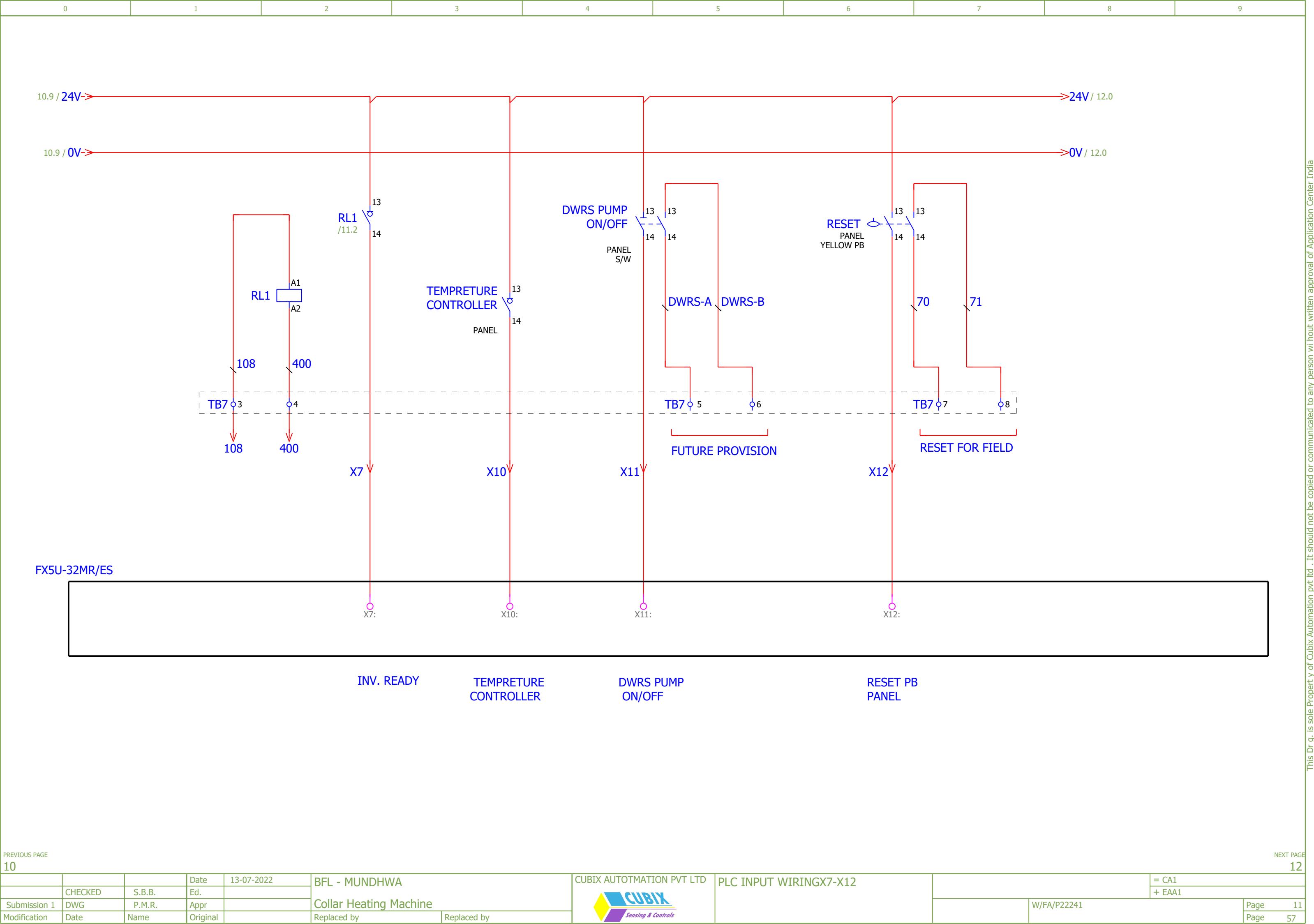


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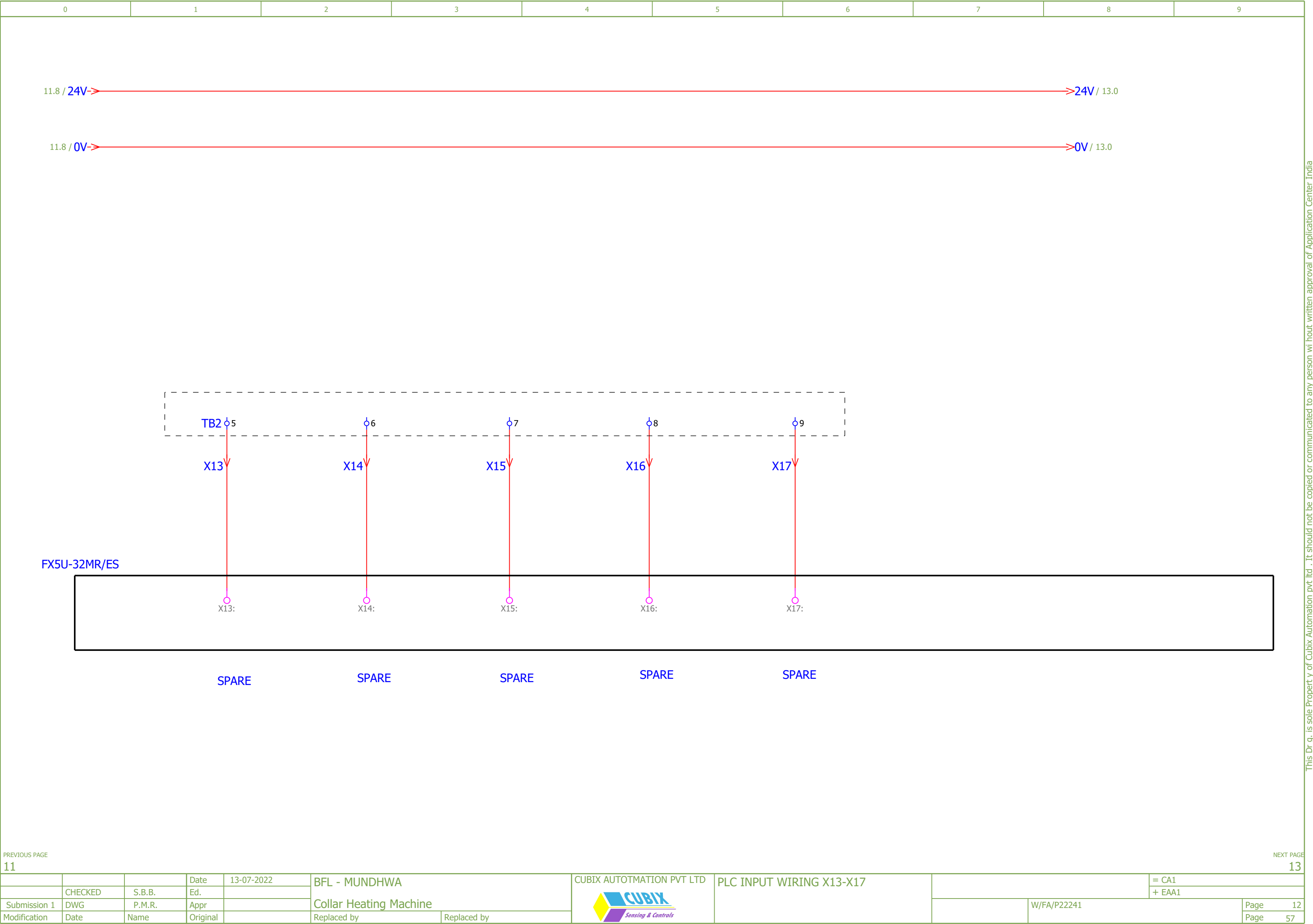
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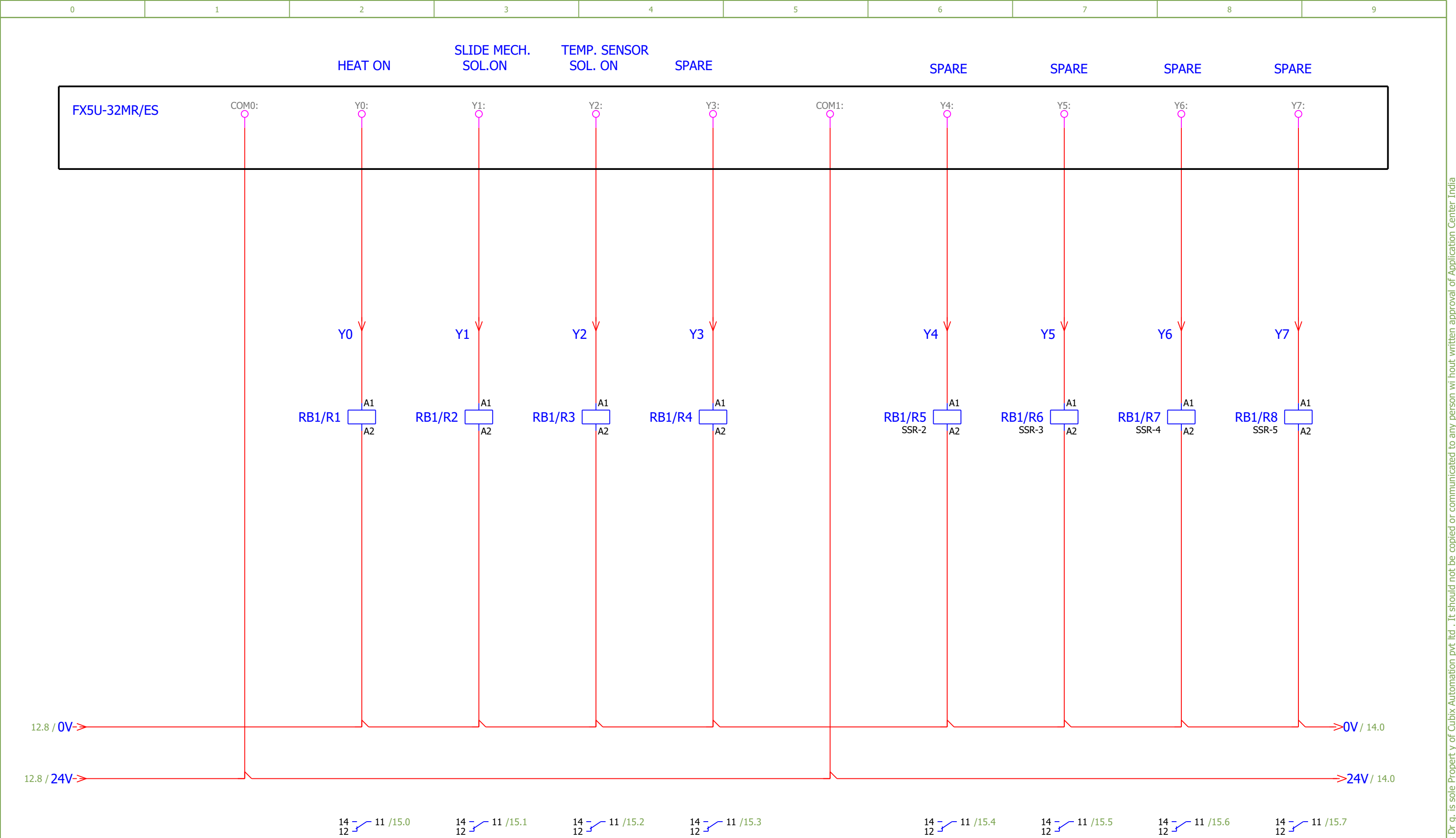
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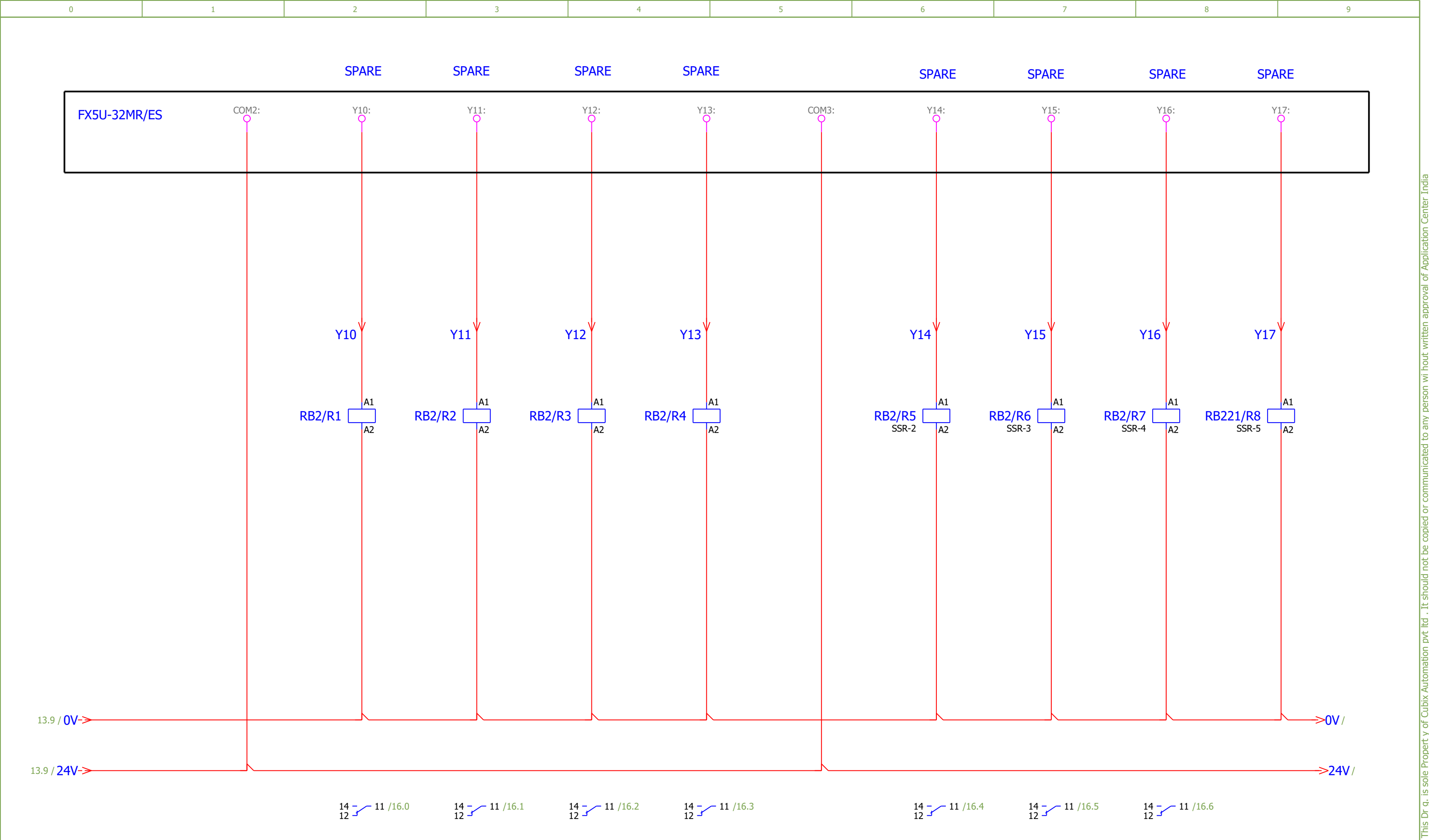
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13

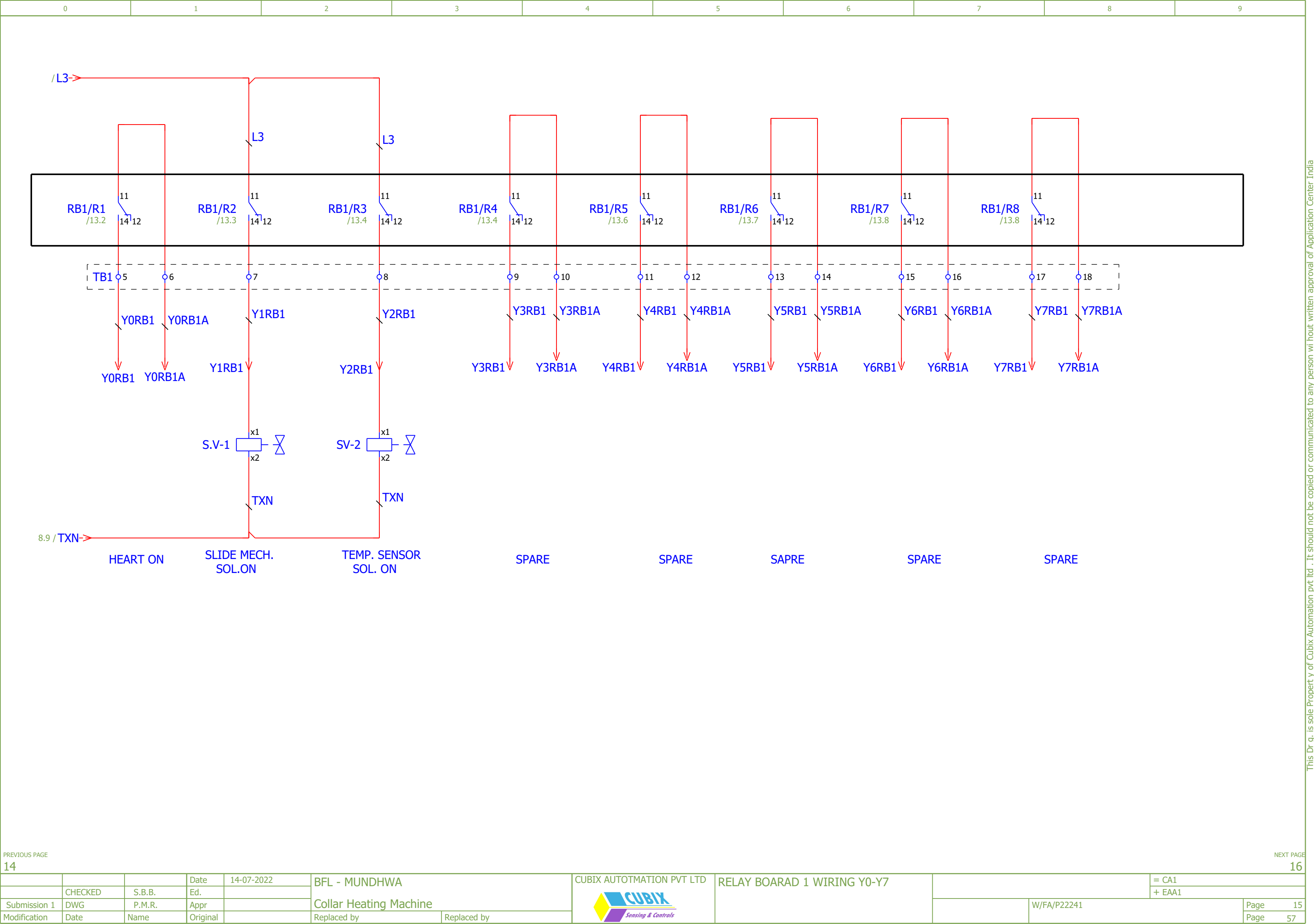
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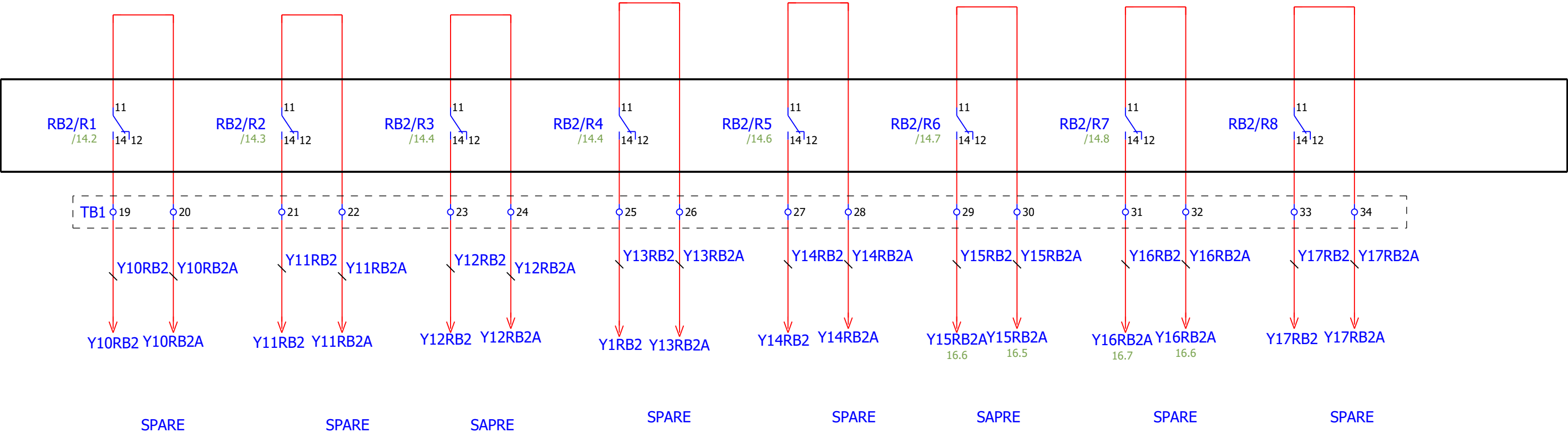


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|--------------|---------|--------|----------|------------|------------------------|---------------------------|-----------------------------|-----------------|----|
|              | CHECKED | S.B.B. | Date     | 14-07-2022 | BFL - MUNDHWA          | CUBIX AUTOTMATION PVT LTD | RELAY BOARAD 1 WIRING Y0-Y7 | = CA1<br>+ EAA1 |    |
| Submission 1 | DWG     | P.M.R. | Appr     |            | Collar Heating Machine |                           |                             | W/FA/P22241     |    |
| Modification | Date    | Name   | Original |            | Replaced by            |                           |                             | Page            | 15 |
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|--------------|---------|--------|----------|------------|------------------------|---------------------------|-------------------------------|-----------------|---------|
|              | CHECKED | S.B.B. | Date     | 13-07-2022 | BFL - MUNDHWA          | CUBIX AUTOTMATION PVT LTD | RELAY BOARAD 2 WIRING Y10-Y17 | = CA1<br>+ EAA1 |         |
| Submission 1 | DWG     | P.M.R. | Appr     |            | Collar Heating Machine |                           |                               | W/FA/P22241     | Page 16 |
| Modification | Date    | Name   | Original |            | Replaced by            |                           |                               |                 | Page 57 |

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