

# JD SPORTS - CARDIFF

## CONVEYOR CONTROL

### WO-24022



Kensal House,  
 President Way,  
 Luton, Beds.  
 LU2 9NR  
 Tel: 01582 425777  
 sales@kensal.com

CONVEYOR CONTROL  
 Cover page

				REVISION
				0
0	30/04/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	01

CONTRACT: JD SPORTS - CARDIFF - 2459

LOCATION: +L1

Main electrical closet

1-CONVEYOR CONTROL

Drawing	Description	Function	Location	Revision	Date	Created by
<a href="#">01</a>	Cover page	=F1	+L1	0	30/04/2025	TW
<a href="#">02</a>	Drawings list	=F1	+L1	0	30/04/2025	TW
<a href="#">03</a>	POWER DISTRIBUTION	=F1	+L1	0	30/04/2025	TW
<a href="#">04</a>	SAFETY CIRCUIT - ESTOPS AND GUARDS	=F1	+L1	0	21/11/2025	TW
<a href="#">05</a>	SAFETY CIRCUIT - MASTER - E STOP	=F1	+L1	0	30/04/2025	TW
<a href="#">06</a>	DC MOTORS - POWER DISTRIBUTION	=F1	+L1	0	30/04/2025	TW
<a href="#">07</a>	INVERTER CONTROL	=F1	+L1	0	30/04/2025	TW
<a href="#">08</a>	DOL MOTOR CONTROL	=F1	+L1	0	21/11/2025	TW
<a href="#">09</a>	PLC CONGIFURATION	=F1	+L1	0	30/04/2025	TW
<a href="#">10</a>	CPU DIGITAL INPUTS 1.1	=F1	+L1	0	30/04/2025	TW
<a href="#">11</a>	CPU DIGITAL INPUTS 1.2	=F1	+L1	0	30/04/2025	TW
<a href="#">12</a>	CPU DIGITAL OUTPUTS 1.1	=F1	+L1	0	30/04/2025	TW
<a href="#">13</a>	CPU DIGITAL OUTPUTS 1.2	=F1	+L1	0	30/04/2025	TW
<a href="#">14</a>	DI1 DIGITAL INPUTS 1.1	=F1	+L1	0	30/04/2025	TW
<a href="#">15</a>	DI1 DIGITAL INPUTS 1.2	=F1	+L1	0	30/04/2025	TW
<a href="#">16</a>	DQ1 DIGITAL OUTPUTS 1.1	=F1	+L1	0	30/04/2025	TW
<a href="#">17</a>	DQ1 DIGITAL OUTPUTS 1.2	=F1	+L1	0	30/04/2025	TW



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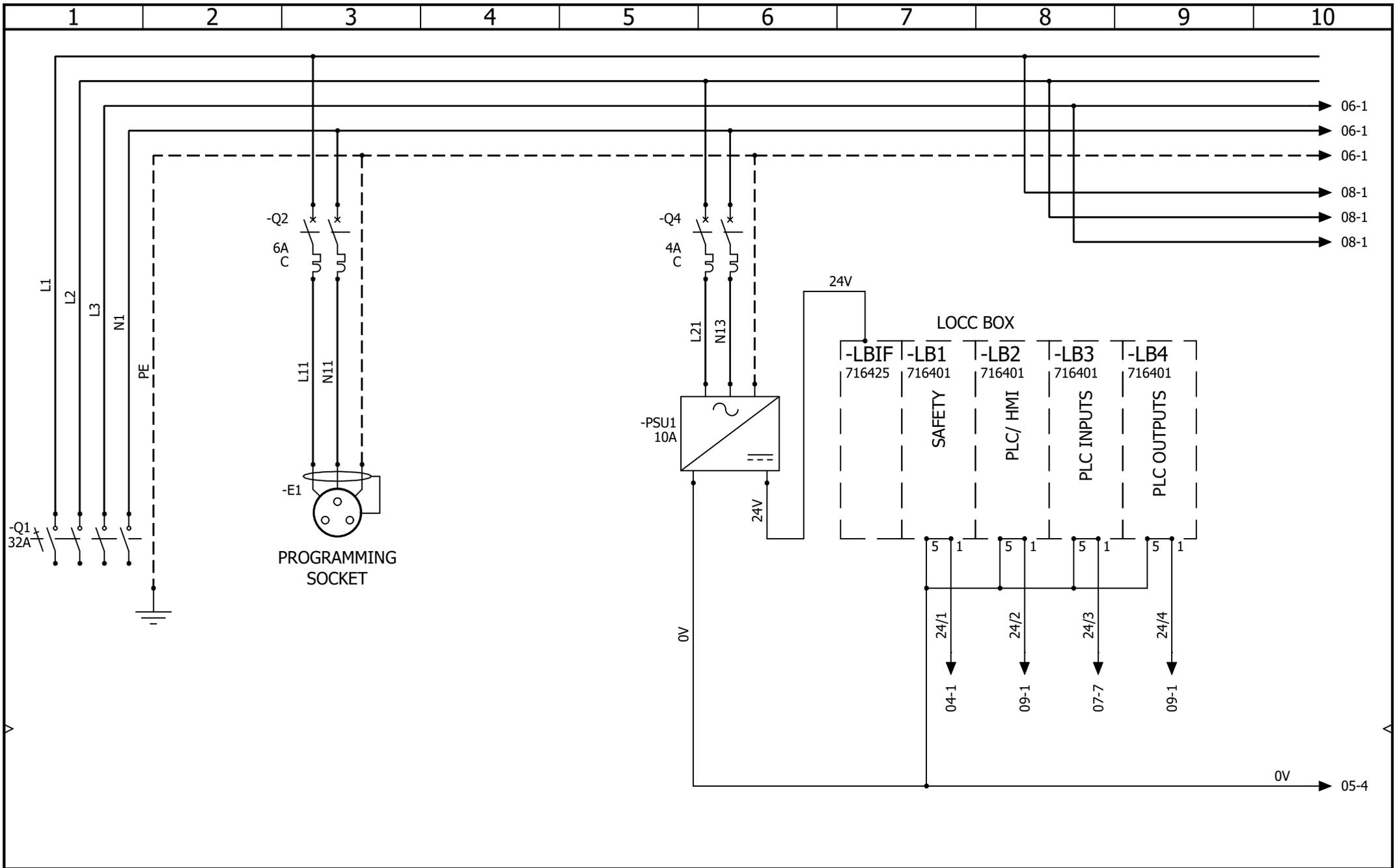
CONVEYOR CONTROL  
 Drawings list

				REVISION
				0
0	30/04/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	02

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LOCATION: +L1

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### CONVEYOR CONTROL POWER DISTRIBUTION

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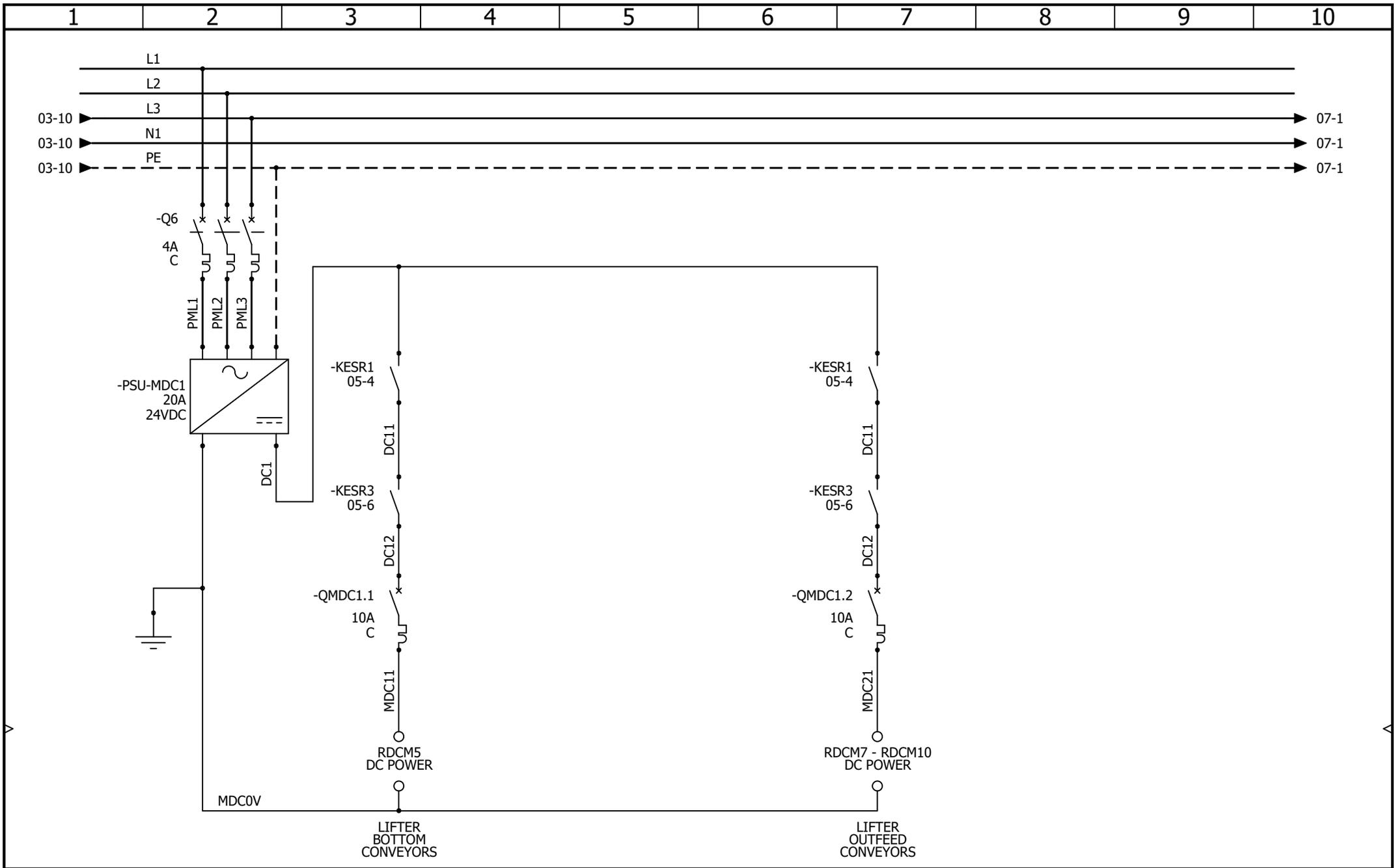
LOCATION: +L1

Main electrical closet

REV.	DATE	NAME	CHANGES	REVISION
0	30/04/2025	TW		0
User data 1				SCHEME
User data 2				03







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### CONVEYOR CONTROL DC MOTORS - POWER DISTRIBUTION

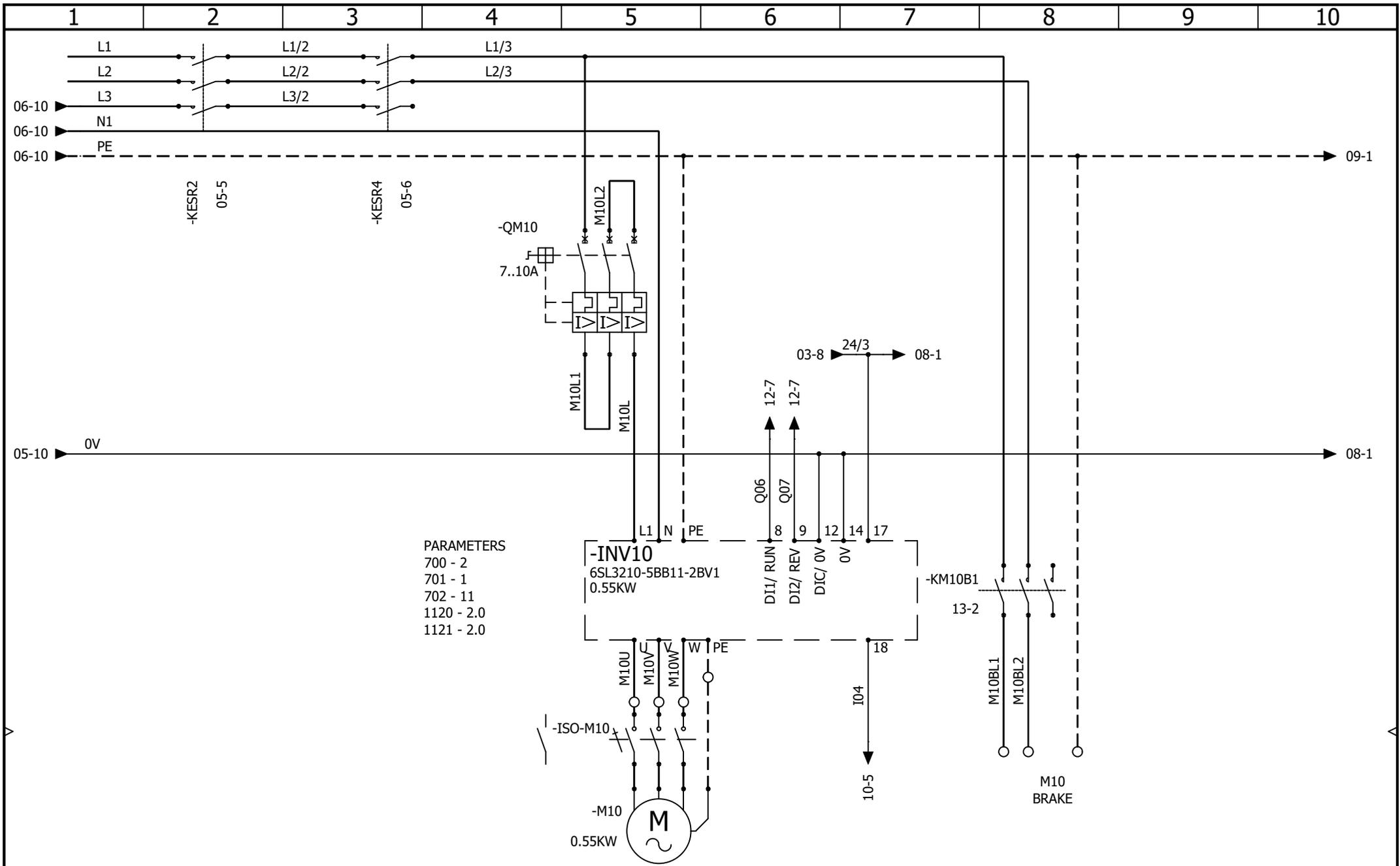
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				0
0	30/04/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	06

CONTRACT: JD SPORTS - CARDIFF - 2459

LOCATION:

+L1

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### CONVEYOR CONTROL INVERTER CONTROL

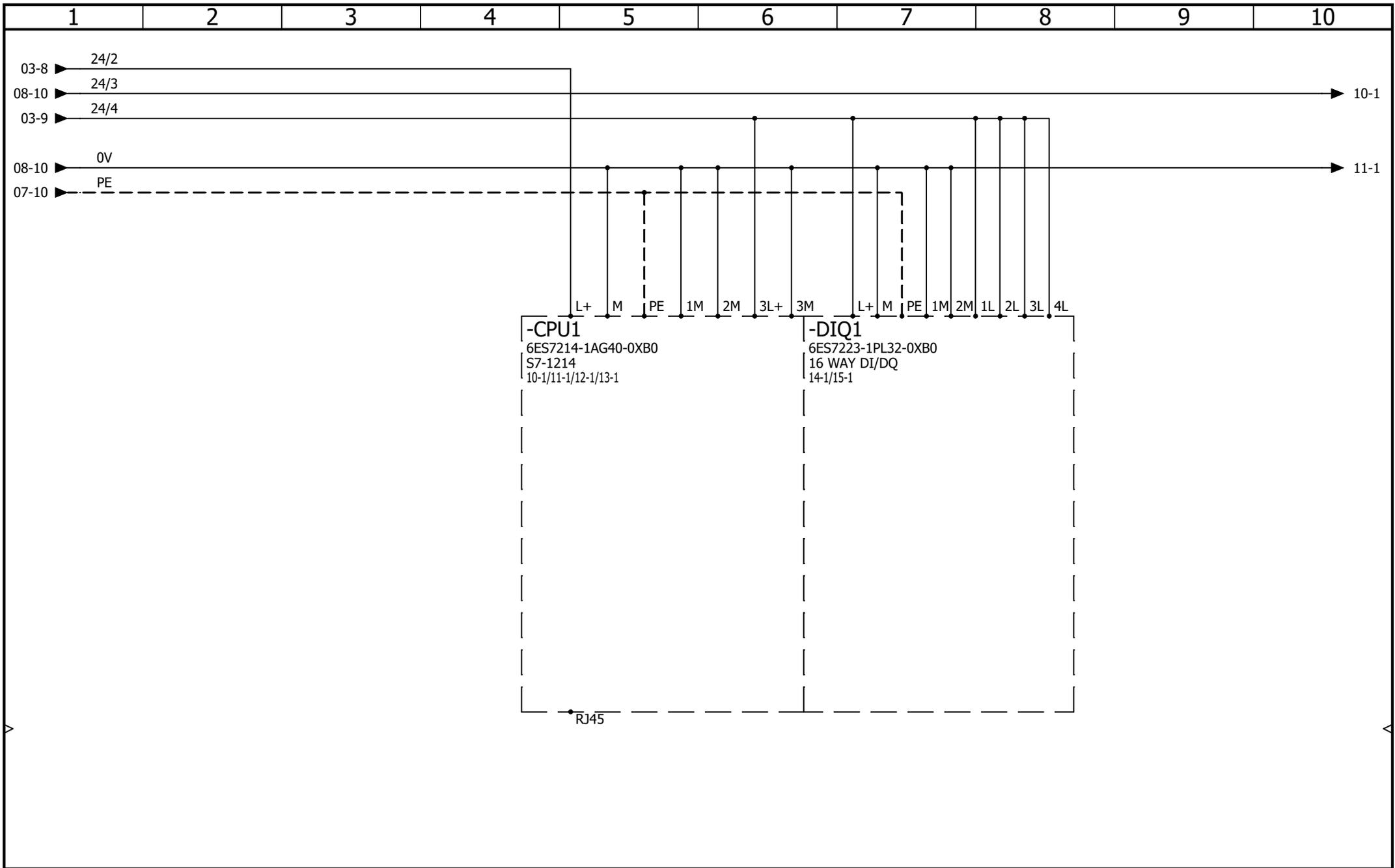
CONTRACT: JD SPORTS - CARDIFF - 2459

LOCATION: +L1

Main electrical closet

				REVISION
				0
0	30/04/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	07
User data 1			User data 2	





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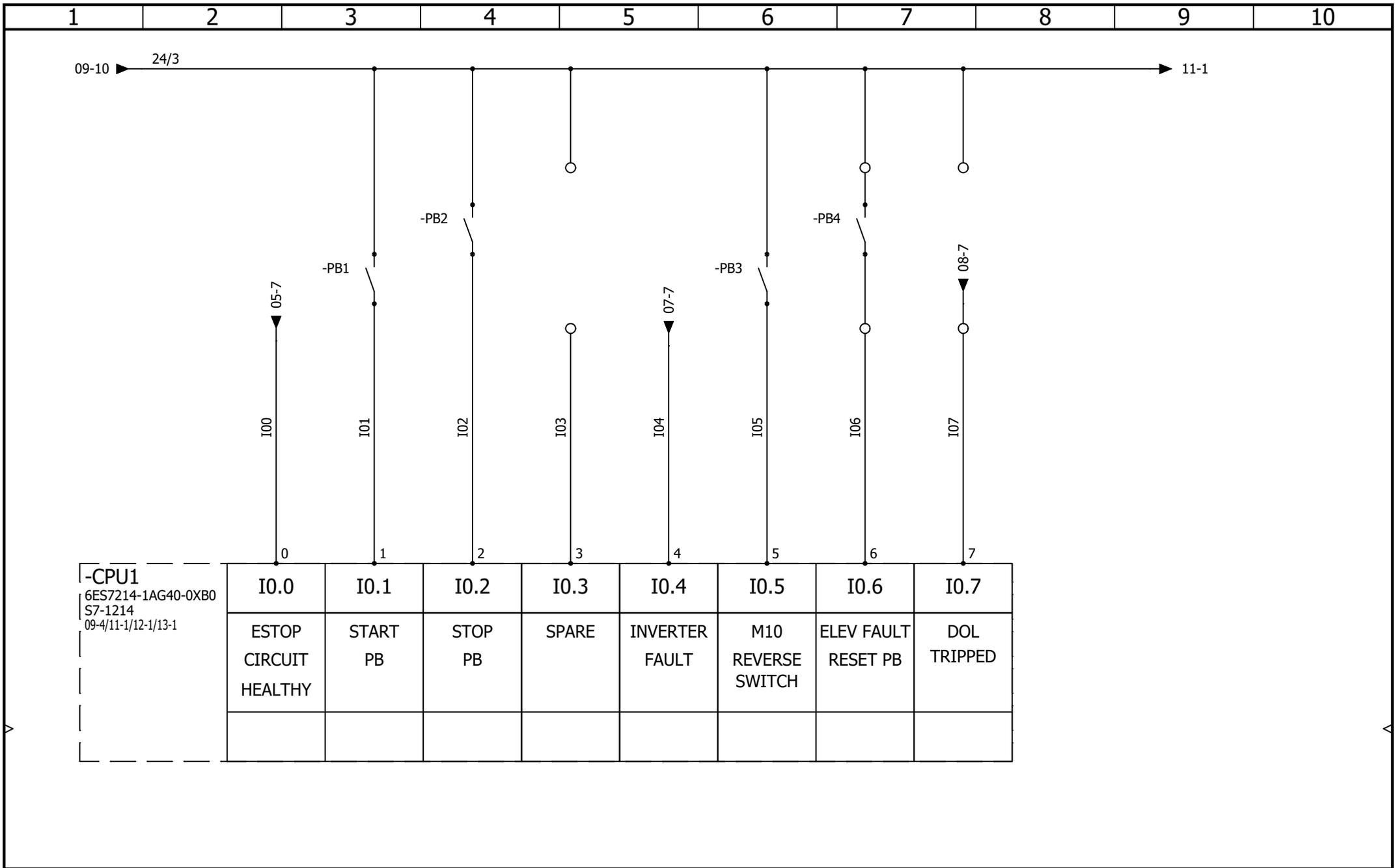
### CONVEYOR CONTROL PLC CONGIFURATION

CONTRACT: JD SPORTS - CARDIFF - 2459

LOCATION: +L1

Main electrical closet

				REVISION
				0
0	30/04/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	09



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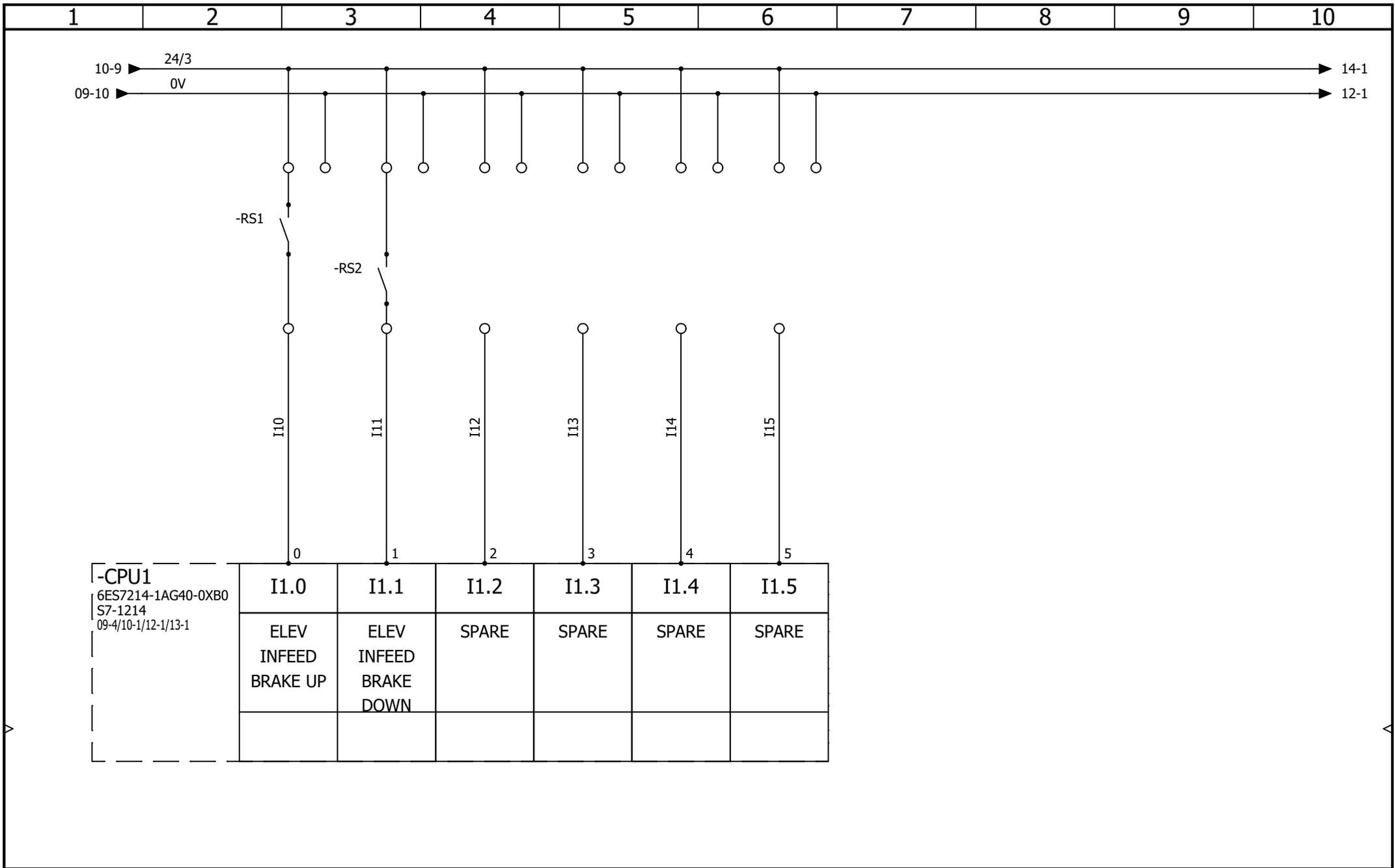
### CONVEYOR CONTROL CPU DIGITAL INPUTS 1.1

CONTRACT: JD SPORTS - CARDIFF - 2459

LOCATION: +L1

Main electrical closet

				REVISION
				0
0	30/04/2025	TW		
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	
				SCHEME
				10



-CPU1 6ES7214-1AG40-0XB0 S7-1214 09-4/10-1/12-1/13-1	I1.0	I1.1	I1.2	I1.3	I1.4	I1.5
	ELEV INFEED BRAKE UP	ELEV INFEED BRAKE DOWN	SPARE	SPARE	SPARE	SPARE



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### CONVEYOR CONTROL CPU DIGITAL INPUTS 1.2

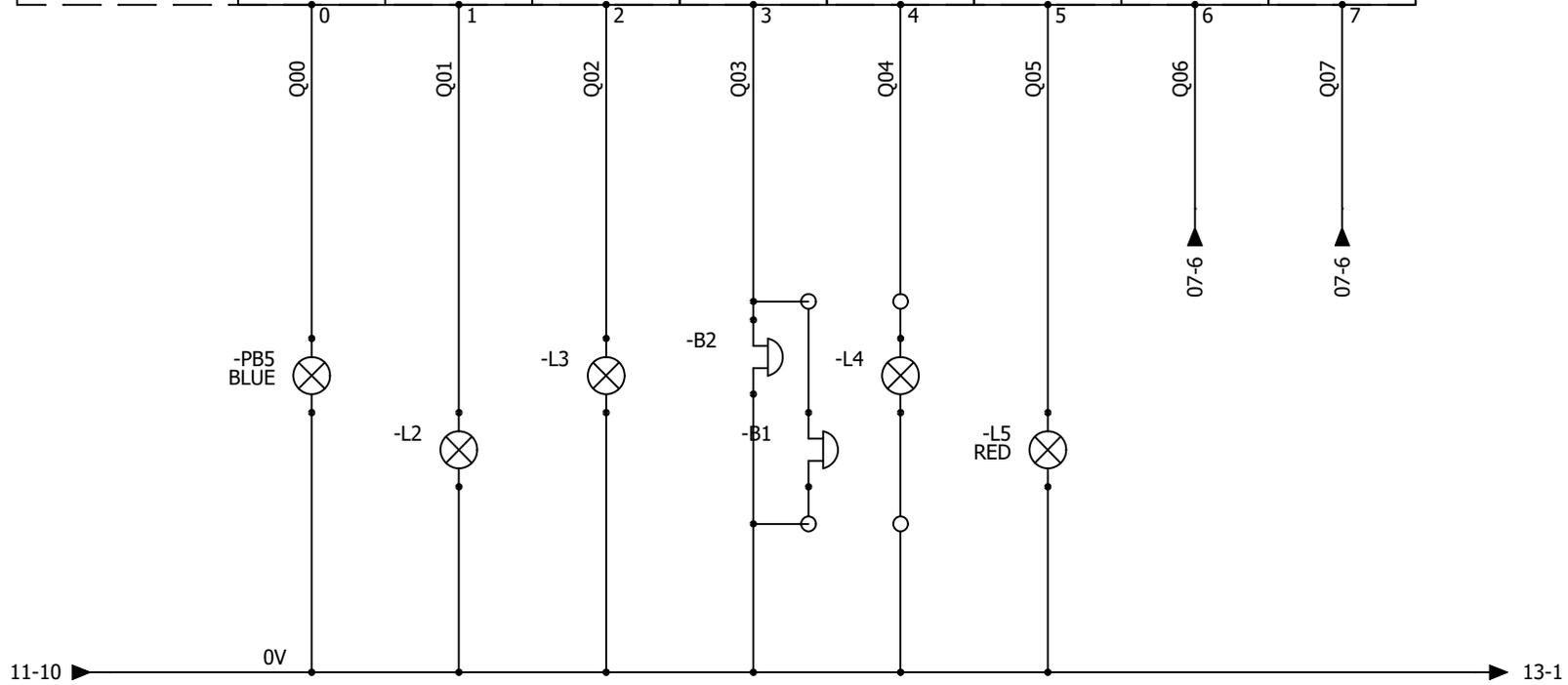
CONTRACT: JD SPORTS - CARDIFF - 2459

LOCATION: +L1

Main electrical closet

				REVISION
				0
0	30/04/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	11

-CPU1 6ES7214-1AG40-0XB0 S7-1214 09-4/10-1/11-1/13-1	EMERGENCY RESET LAMP	START LAMP	STOP LAMP	SALES FLOOR BUZZER	ELEV RESET PB LAMP	INVERTER FAULT LAMP	M10 FORWARD	M10 REVERSE
	Q0.0	Q0.1	Q0.2	Q0.3	Q0.4	Q0.5	Q0.6	Q0.7



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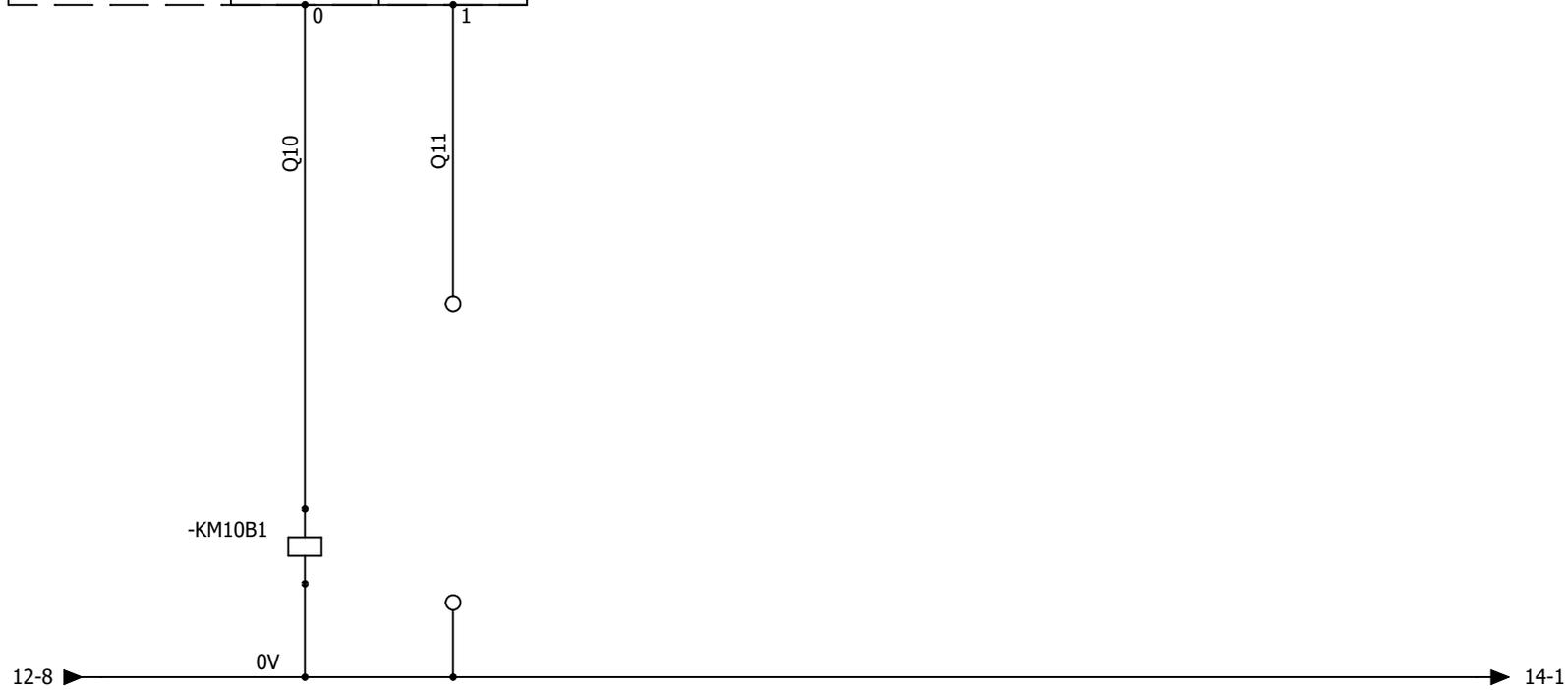
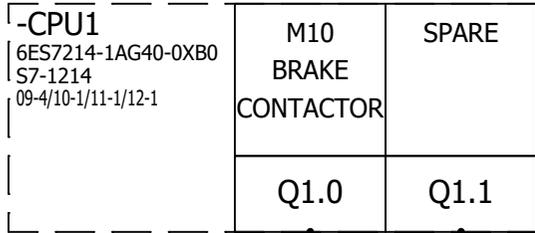
CONVEYOR CONTROL  
 CPU DIGITAL OUTPUTS 1.1

CONTRACT: JD SPORTS - CARDIFF - 2459

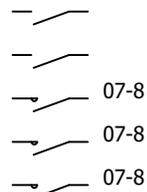
LOCATION: +L1

Main electrical closet

				REVISION
				0
0	30/04/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
				12
User data 1			User data 2	



-KM10B1



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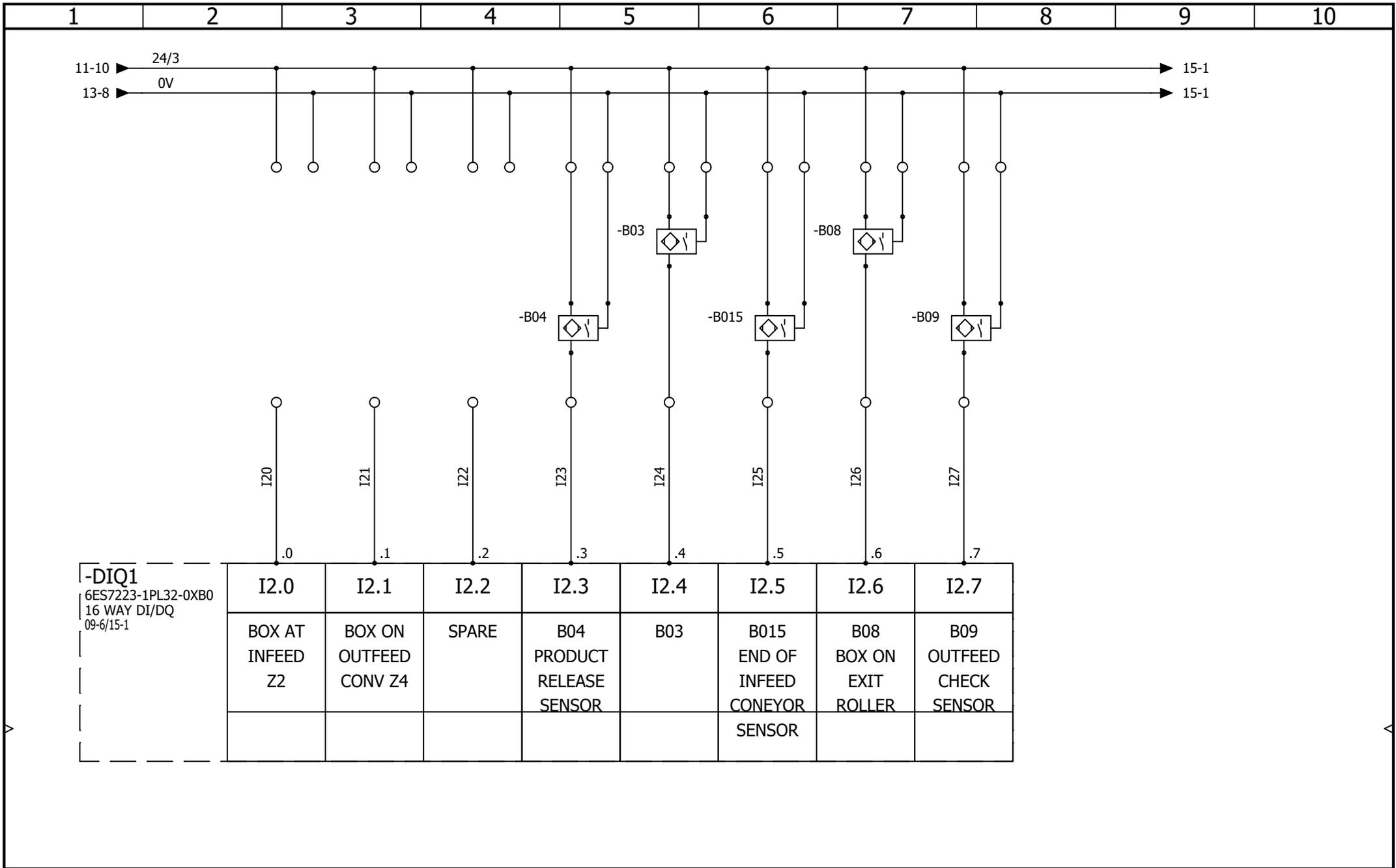
CONVEYOR CONTROL  
 CPU DIGITAL OUTPUTS 1.2

				REVISION
				0
0	30/04/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	13

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LOCATION: +L1

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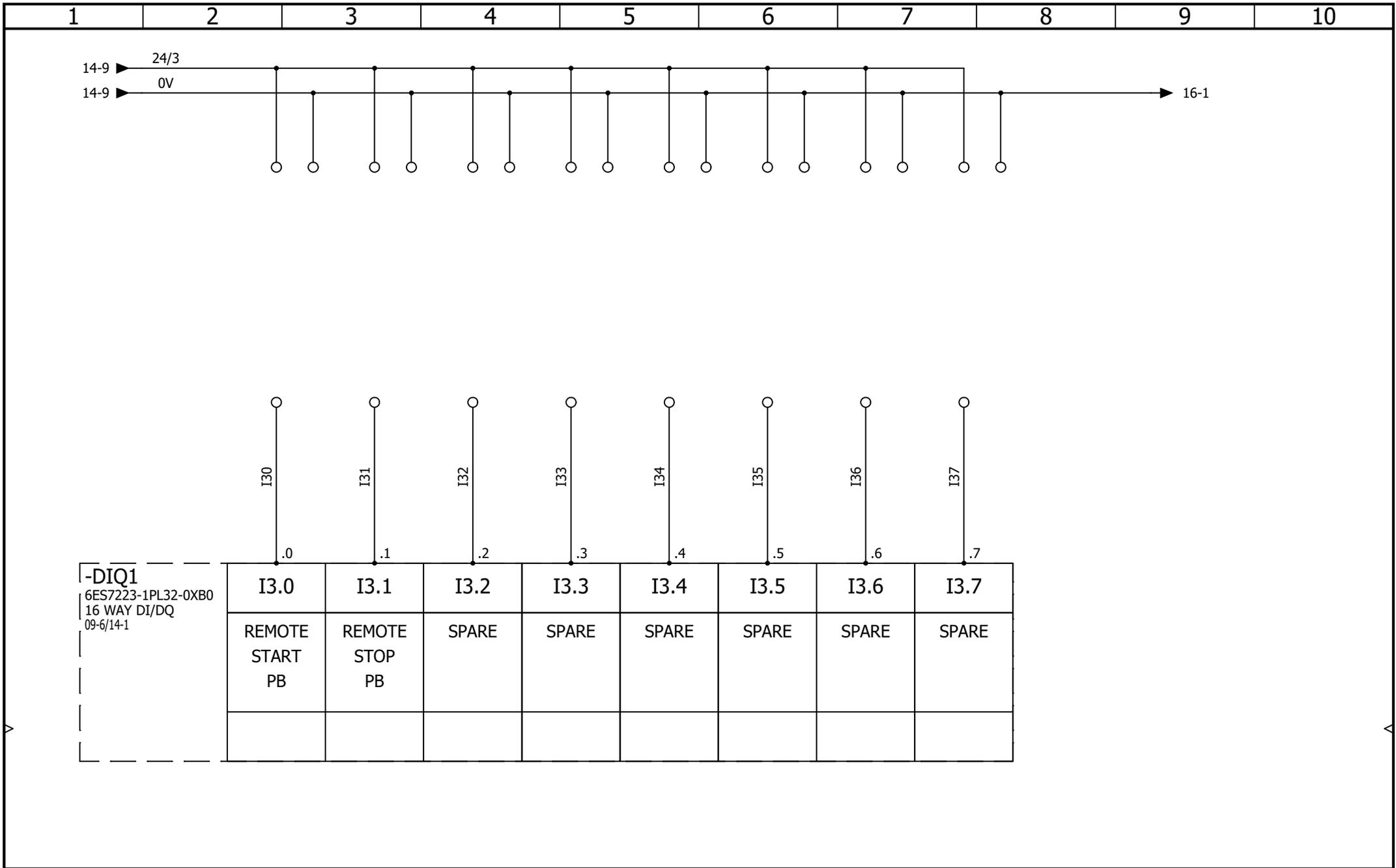
### CONVEYOR CONTROL DI1 DIGITAL INPUTS 1.1

CONTRACT: JD SPORTS - CARDIFF - 2459

LOCATION: +L1

Main electrical closet

				REVISION
				0
0	30/04/2025	TW		
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	
				SCHEME
				14



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### CONVEYOR CONTROL DI1 DIGITAL INPUTS 1.2

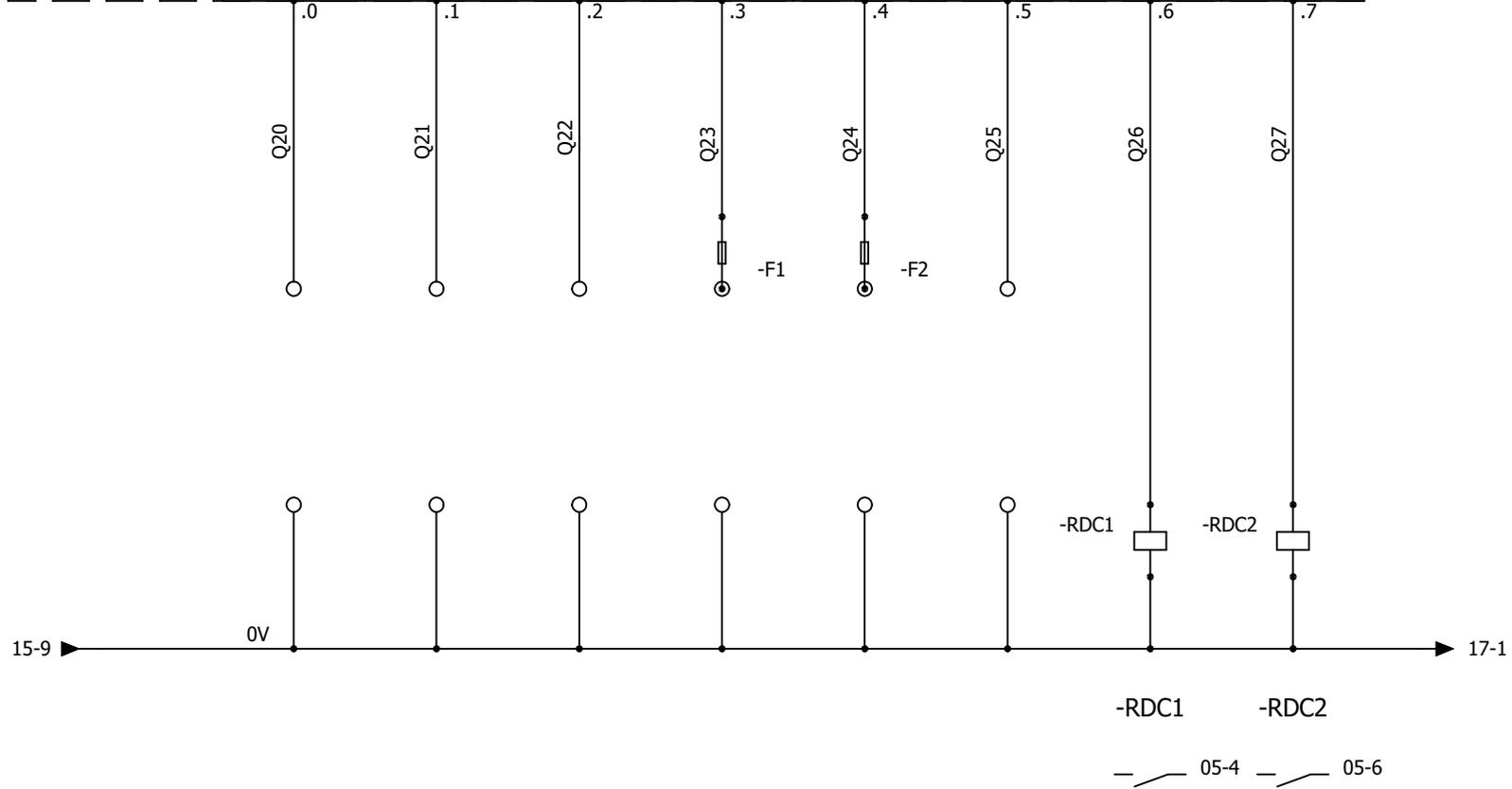
CONTRACT: JD SPORTS - CARDIFF - 2459

LOCATION: +L1

Main electrical closet

				REVISION
				0
0	30/04/2025	TW		
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	
				SCHEME
				15

-DQ1 6ES7222-1BH32-0XB0 16 WAY DQ 17-1	SPARE	SPARE	ELEV INFEED BRAKE UP	RUN RDCM5	RUN RDCM6	SPARE	DC ROLLERS ENABLE 1	DC ROLLERS ENABLE 2
	Q2.0	Q2.1	Q2.2	Q2.3	Q2.4	Q2.5	Q2.6	Q2.7



BR1  
BOX STOPPED  
AT INFEED



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CONVEYOR CONTROL  
DQ1 DIGITAL OUTPUTS 1.1

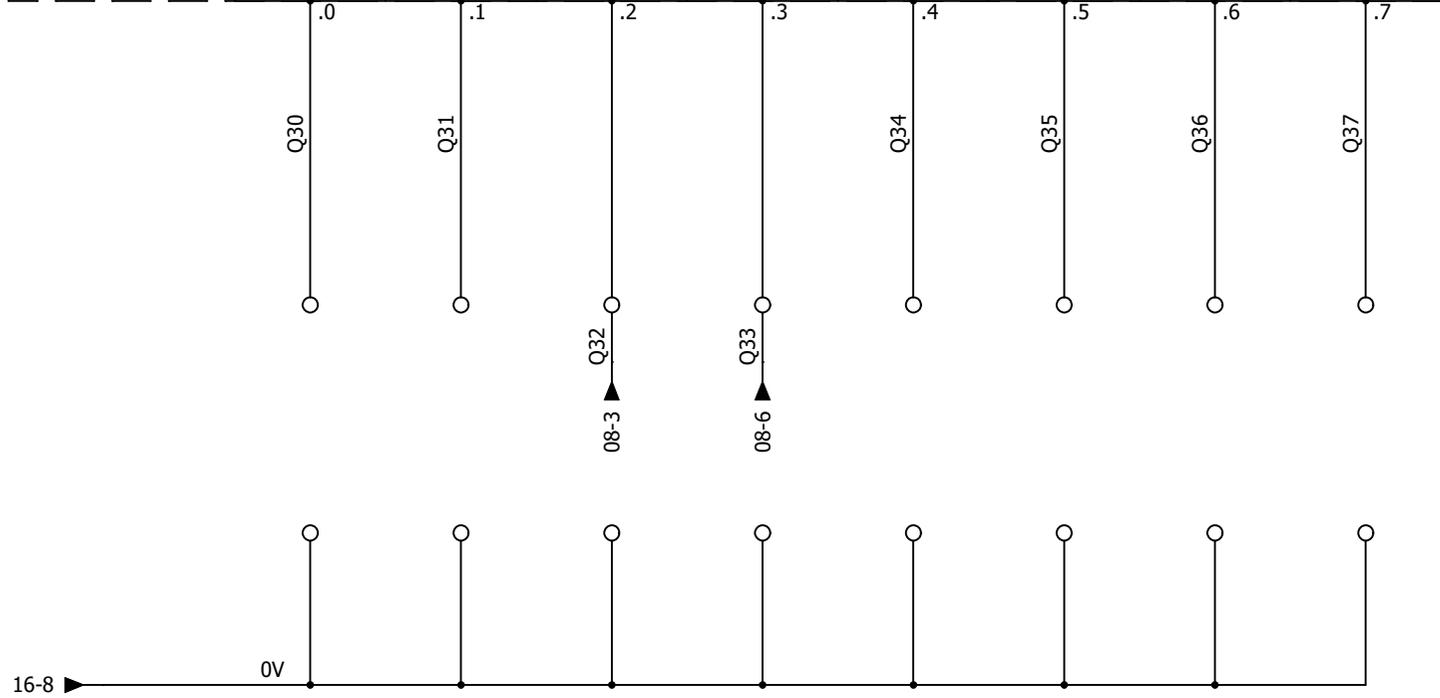
				REVISION
				0
0	30/04/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	16

CONTRACT: JD SPORTS - CARDIFF - 2459

LOCATION: +L1

Main electrical closet

-DQ1 6ES7222-1BH32-0XB0 16 WAY DQ 16-1	REMOTE START LED	REMOTE STOP LED	RUN M11 INFEED CONVEYOR	RUN M12 INFEED CONVEYOR	SPARE	SPARE	SPARE	SPARE
	Q3.0	Q3.1	Q3.2	Q3.3	Q3.4	Q3.5	Q3.6	Q3.7



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CONVEYOR CONTROL  
 DQ1 DIGITAL OUTPUTS 1.2

CONTRACT: JD SPORTS - CARDIFF - 2459

LOCATION: +L1 Main electrical closet

				REVISION
				0
0	30/04/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	17