1	2	3	4	5	6	7	8	9	10

JD SPORTS - TRAFFORD CENTRE

CONVEYOR CONTROL

WO23662

2359

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CONVEYOR CONTROL
Cover page

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

REVISION 0

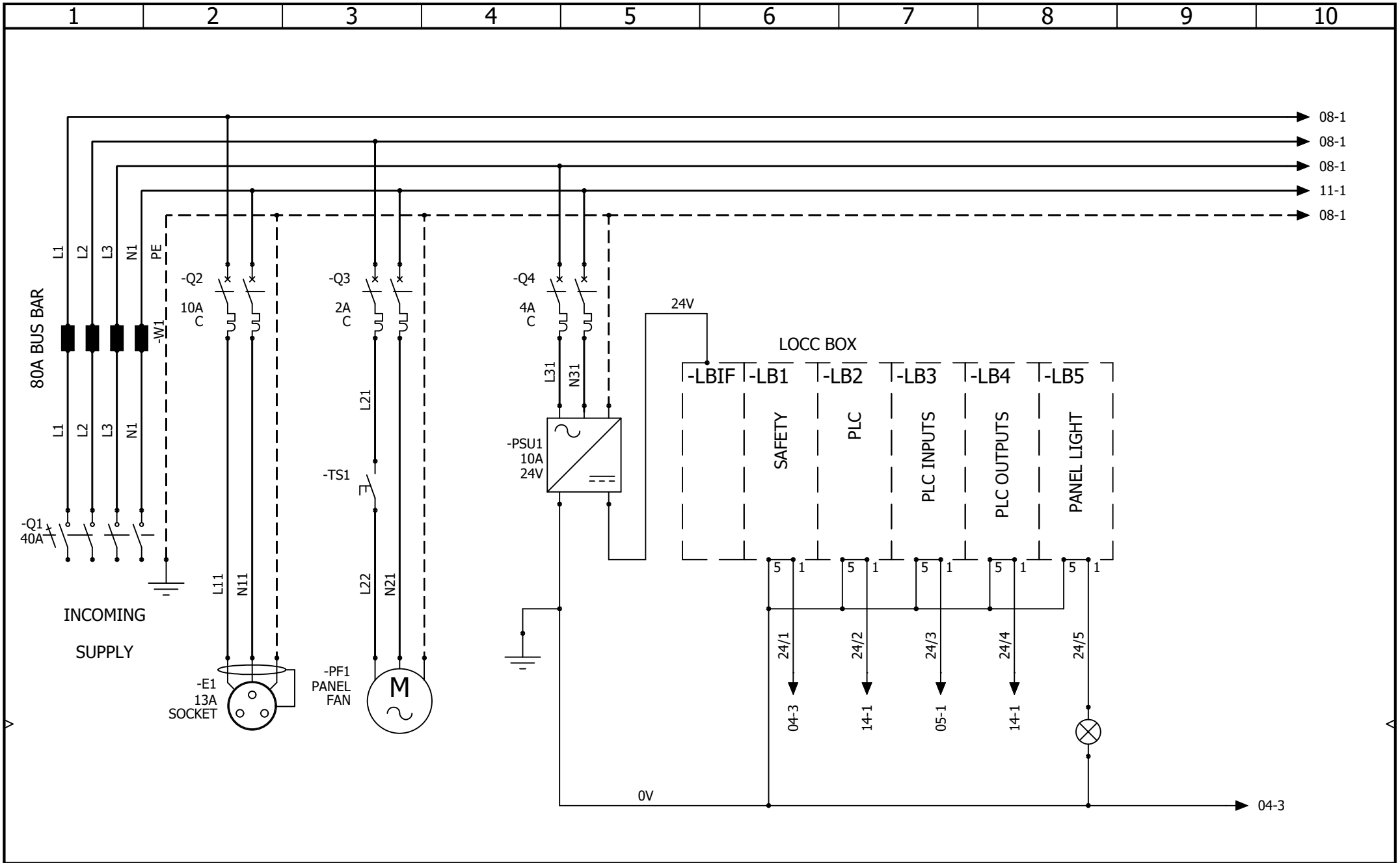
SCHEME 01

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet

User data 1

User data 2



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CONVEYOR CONTROL
POWER DISTRIBUTION

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

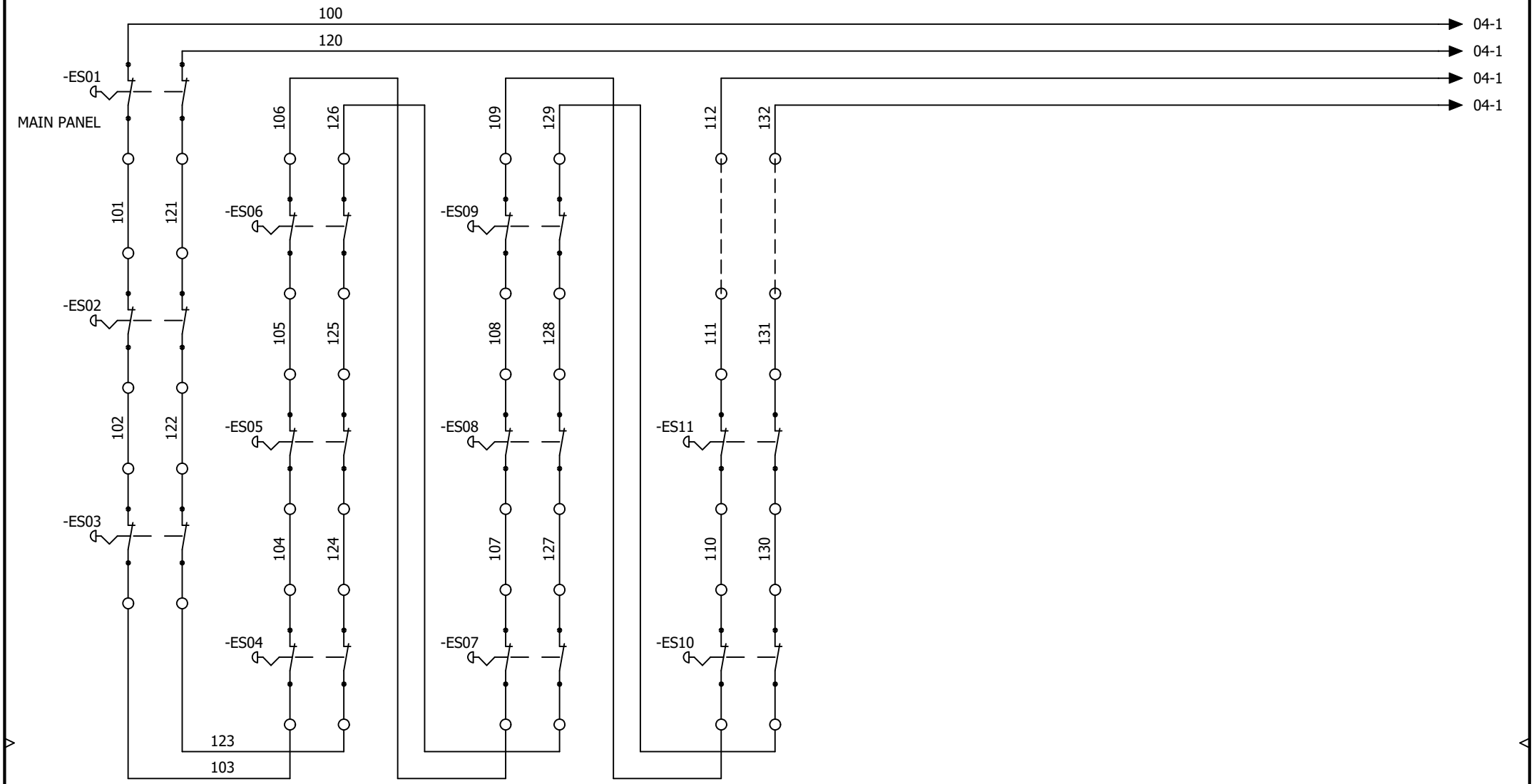
User data 2

REVISION 0

SCHEME 02

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL

SAFETY CIRCUIT - EMERGENCY STOPS

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

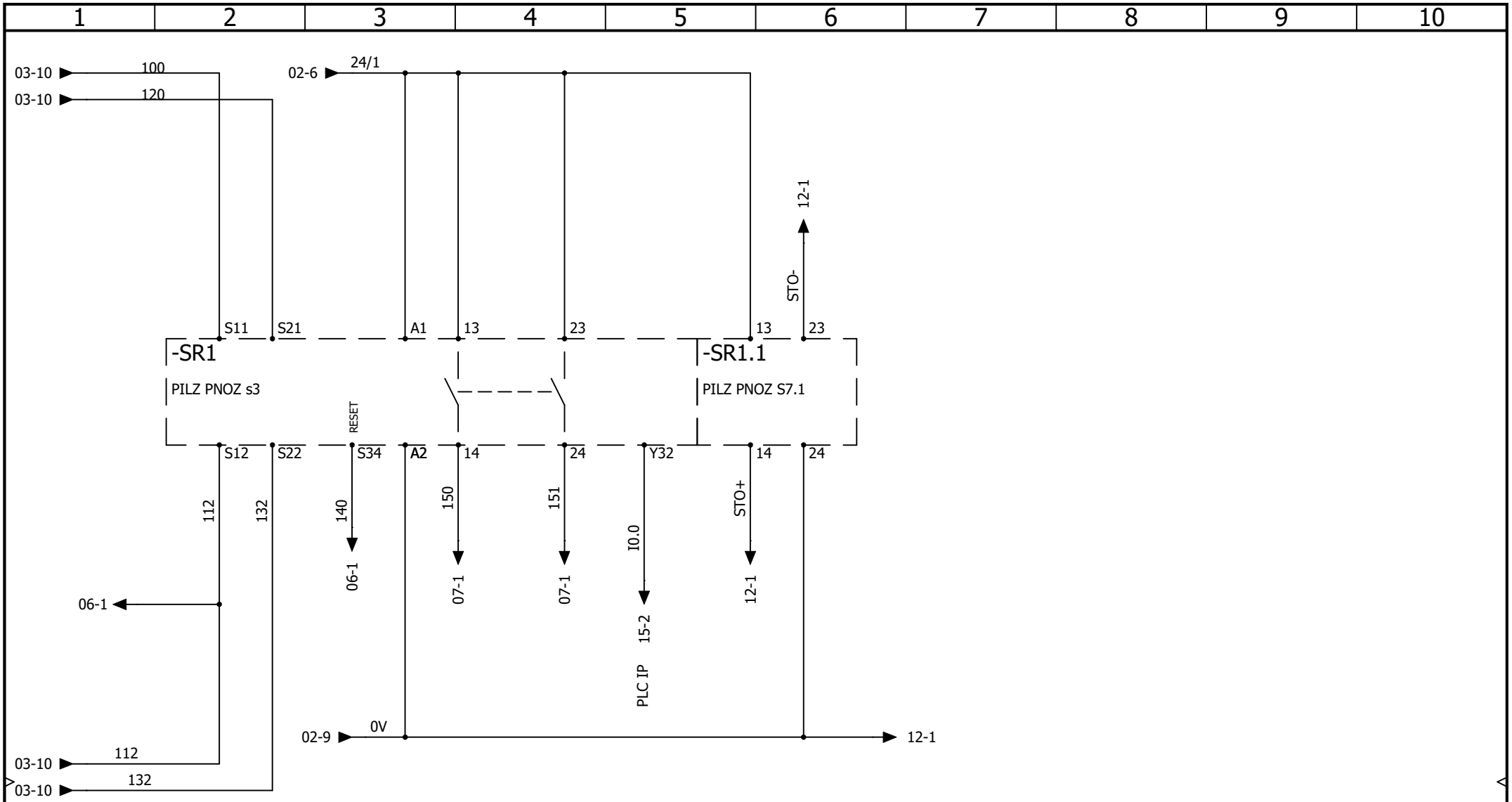
User data 2

REVISION 0

SCHEME 03

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL

SAFETY CIRCUIT - SAFETY RELAY

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

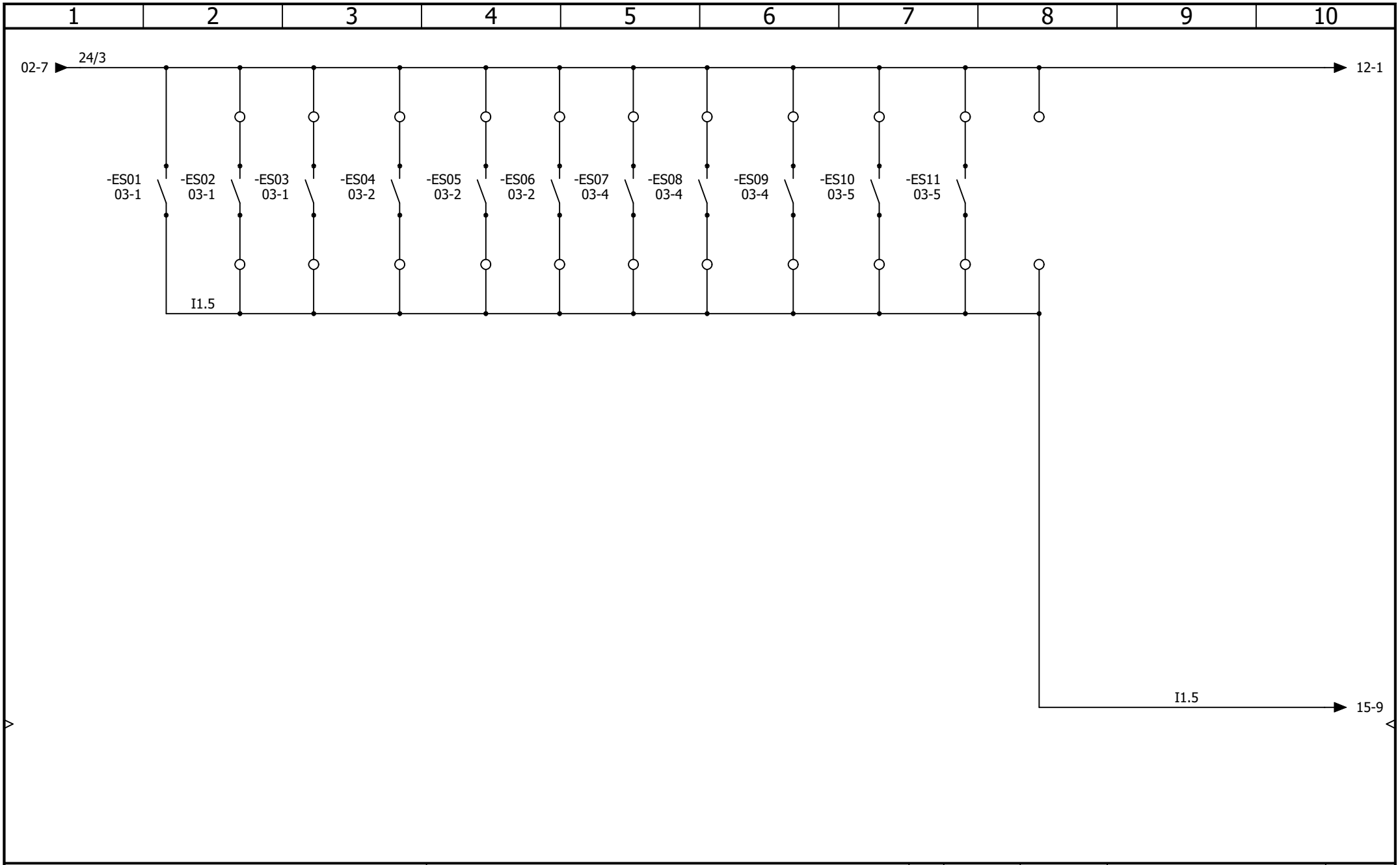
User data 2

REVISION 0

SCHEME 04

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL

SAFETY CIRCUIT - EMERGENCY STOP FEEDBACK

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

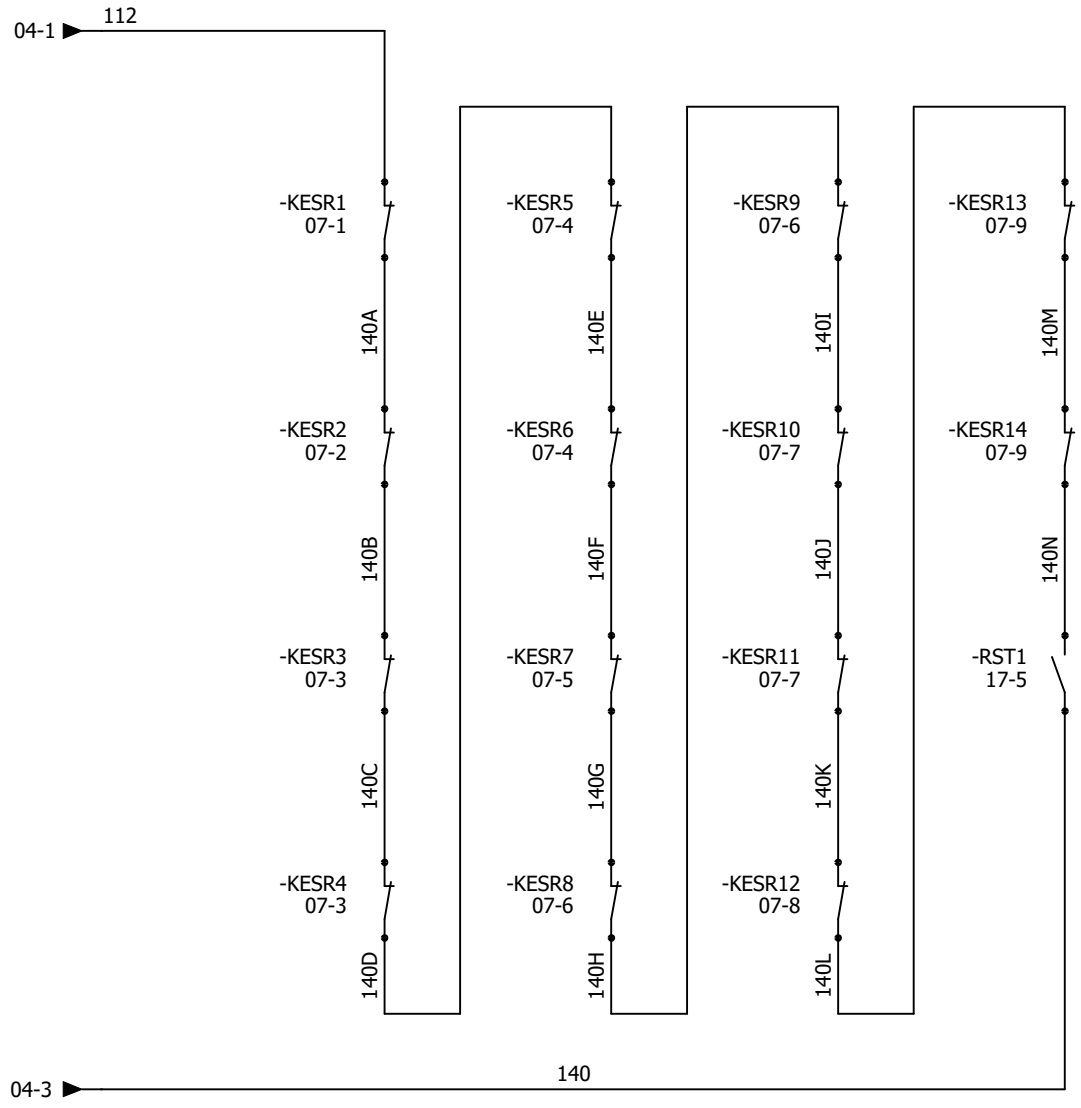
User data 2

REVISION 0

SCHEME 05

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL

SAFETY CIRCUIT - EMERGENCY STOP RESET CIRCUIT

REV.	DATE	NAME	CHANGES
0	19/07/2024	TW	

User data 1

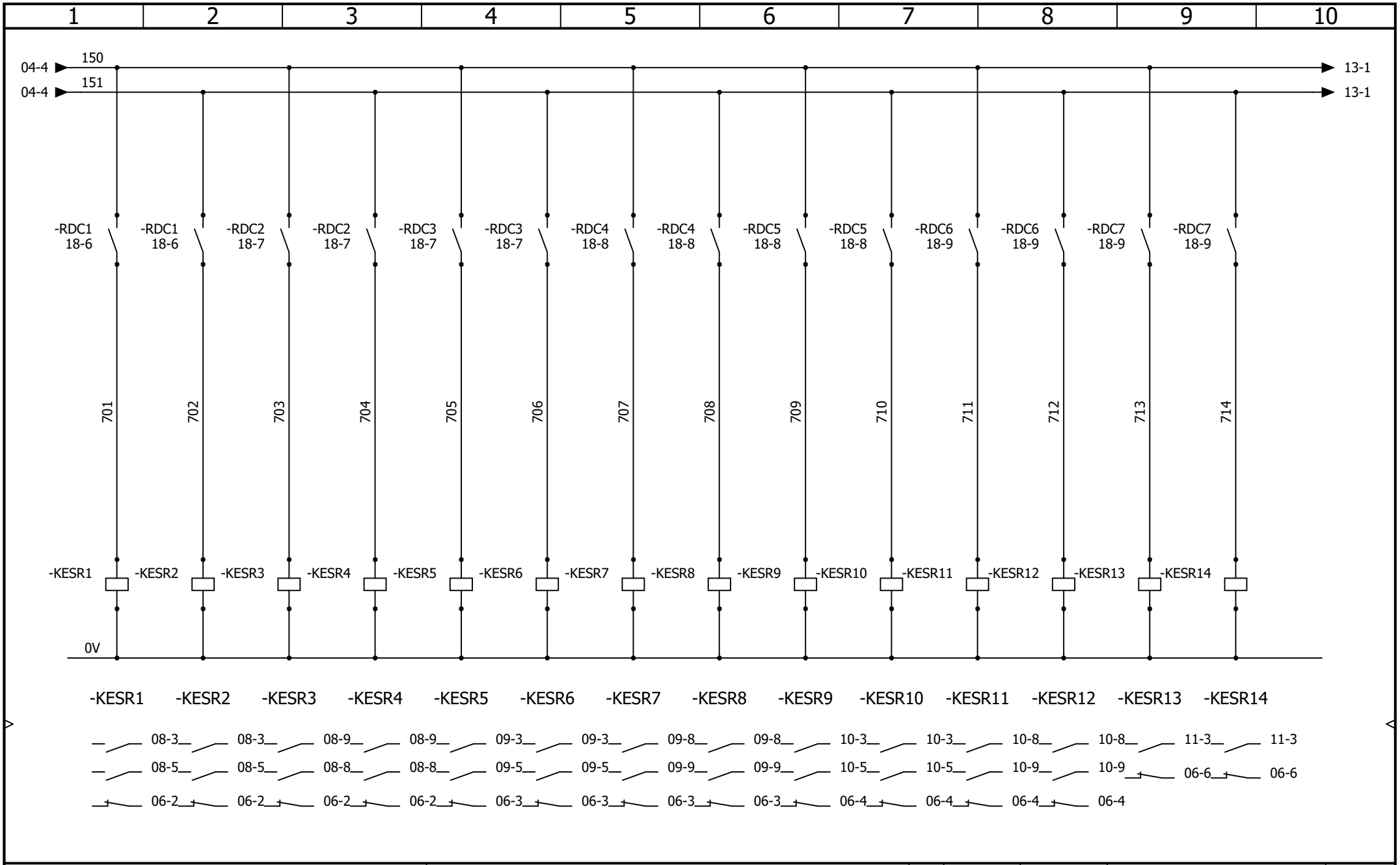
User data 2

REVISION 0

SCHEME 06

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL

SAFETY CIRCUIT - DISTRIBUTION

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

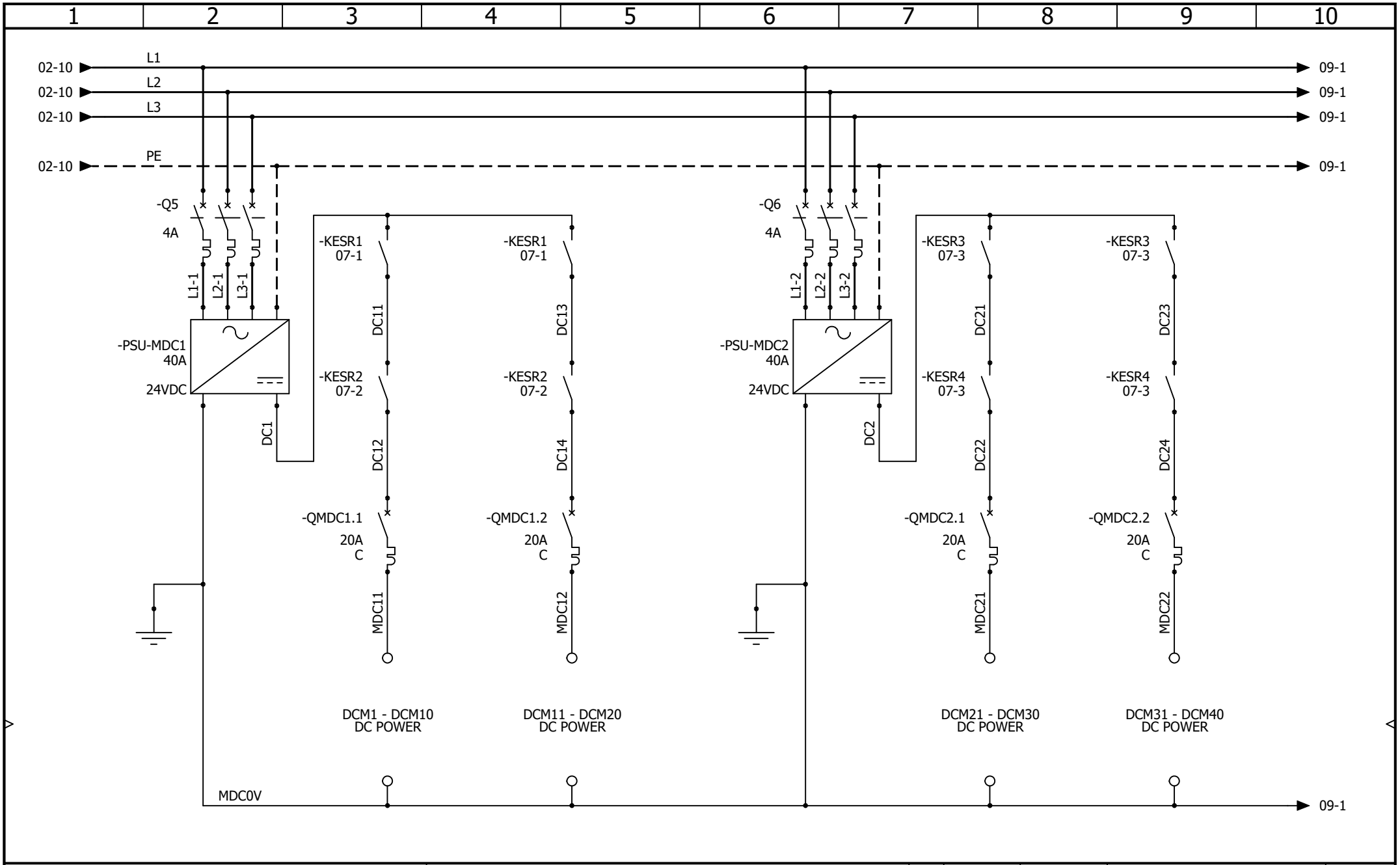
User data 2

REVISION 0

SCHEME 07

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL

DC MOTORS - POWER DISTRIBUTION 1 OF 4

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

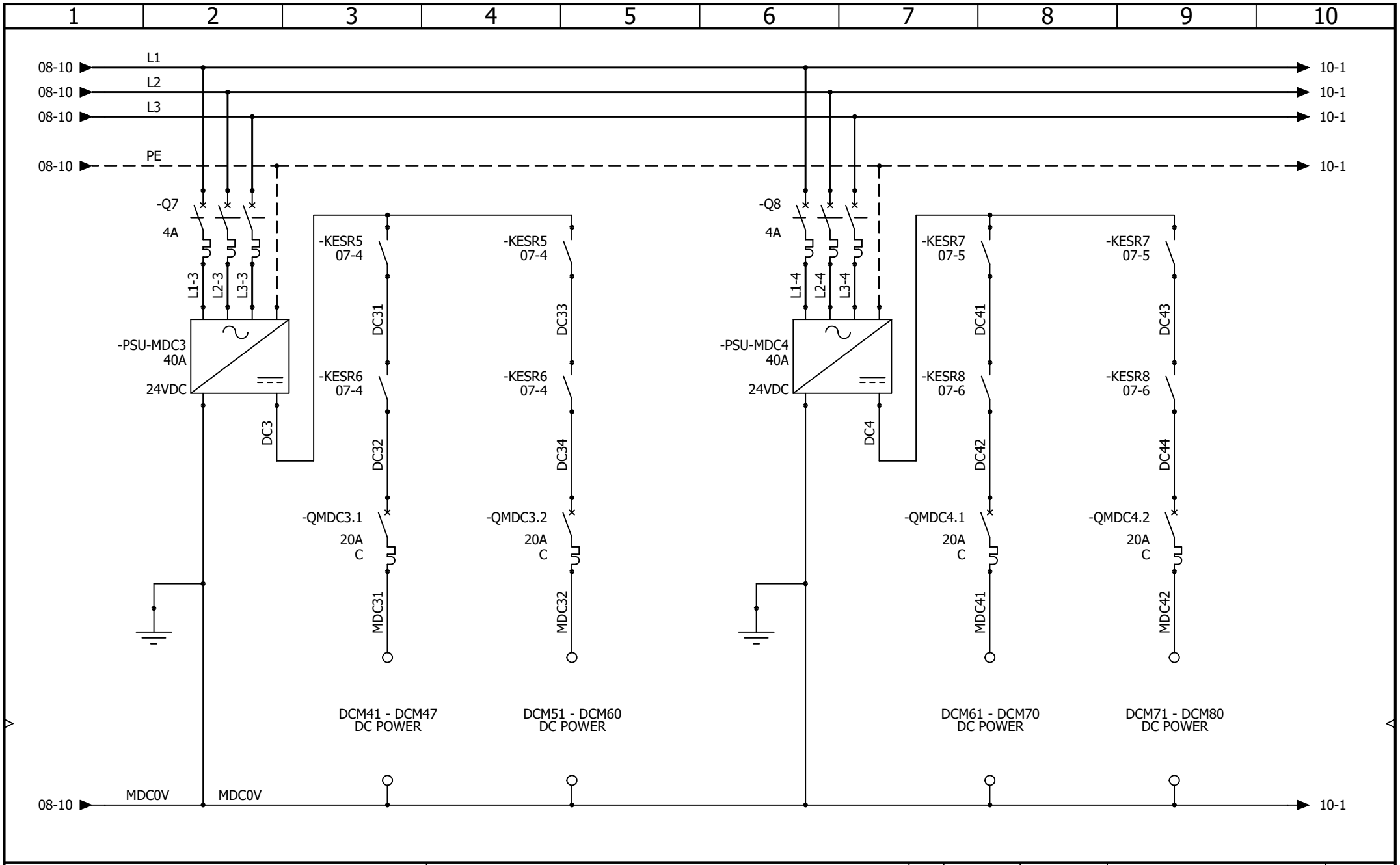
User data 2

REVISION 0

SCHEME 08

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL

DC MOTORS - POWER DISTRIBUTION 2 OF 4

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

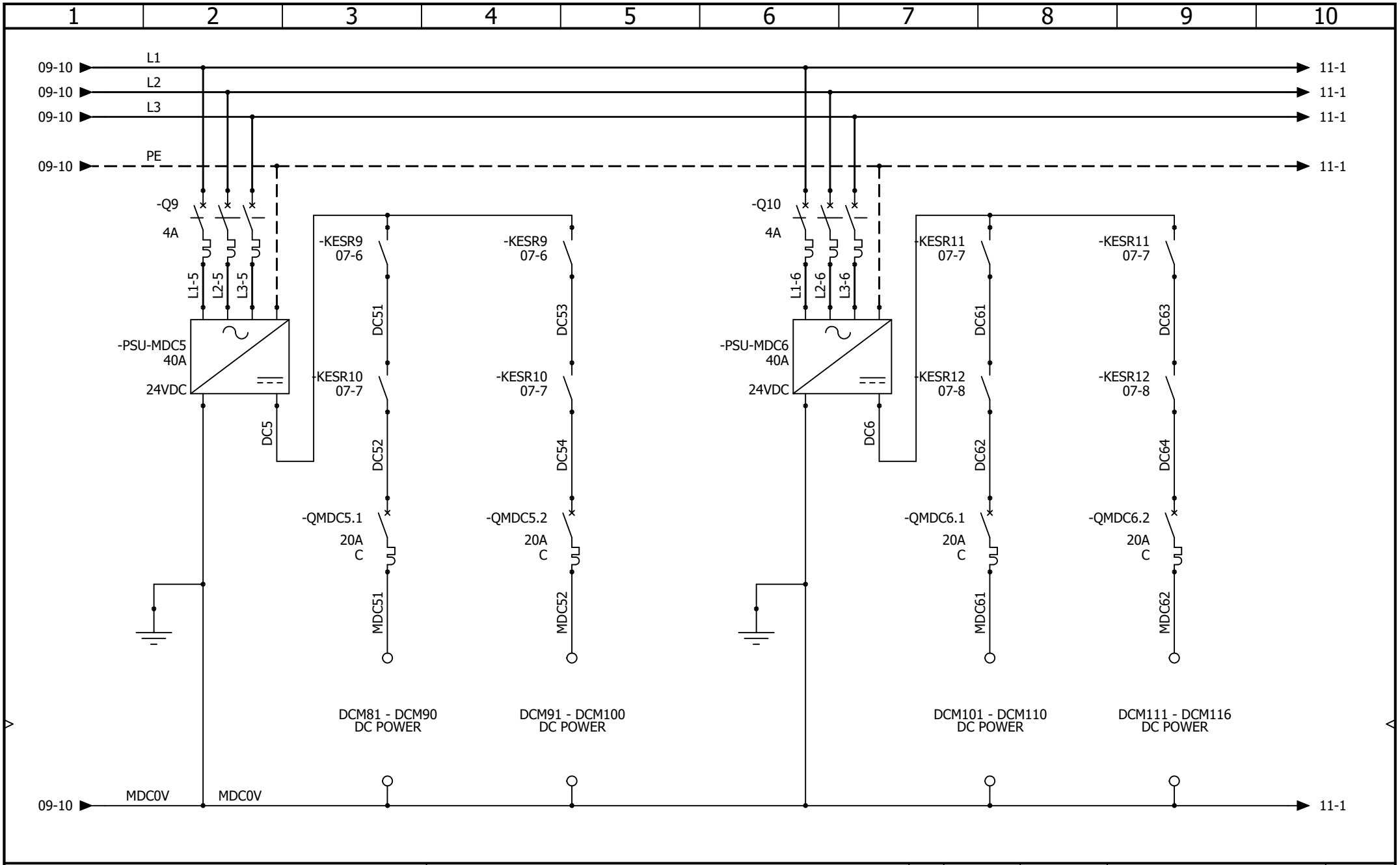
User data 2

REVISION 0

SCHEME 09

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL

DC MOTORS - POWER DISTRIBUTION 3 OF 4

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

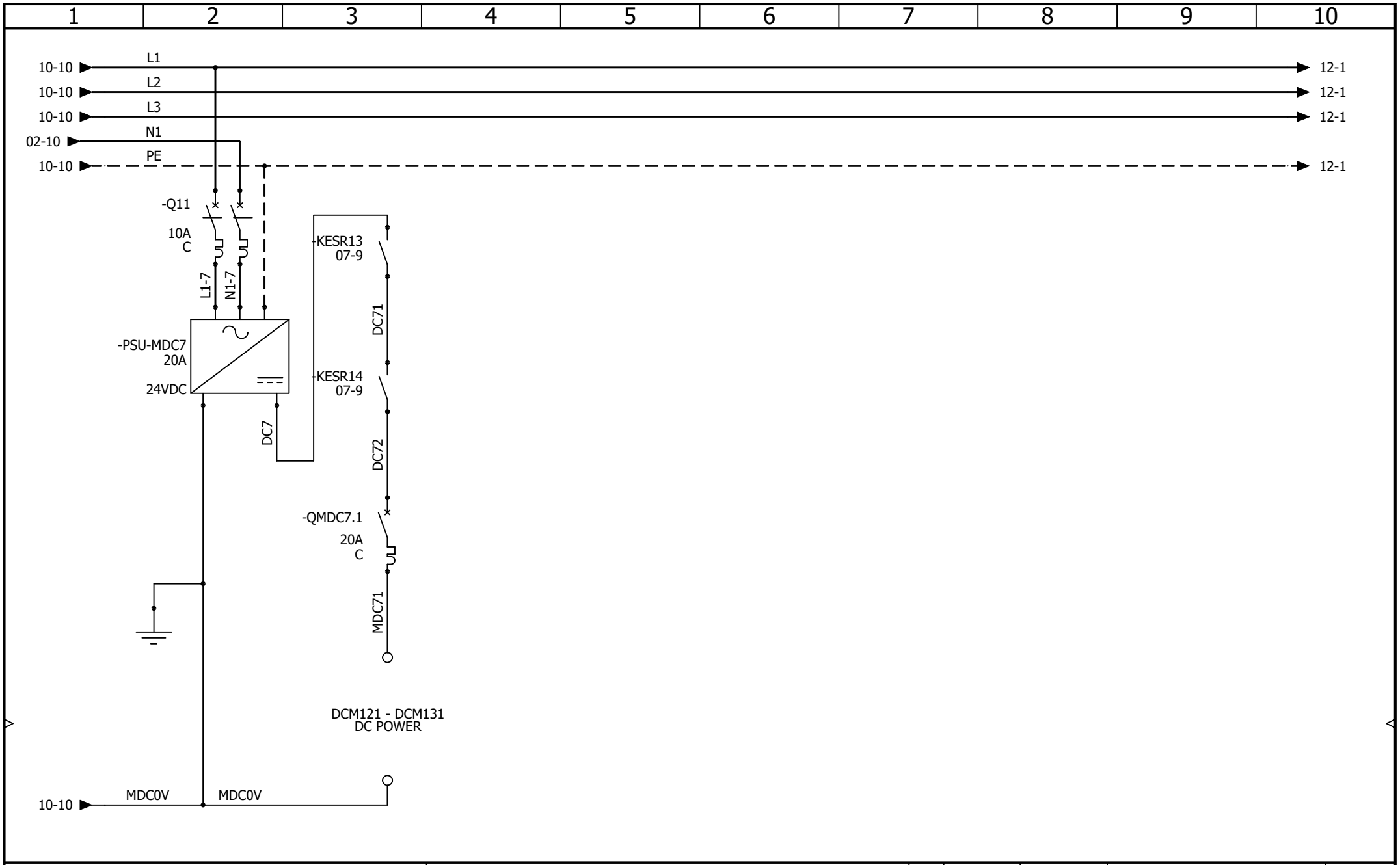
User data 2

REVISION 0

SCHEME 10

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL

DC MOTORS - POWER DISTRIBUTION 4 OF 4

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

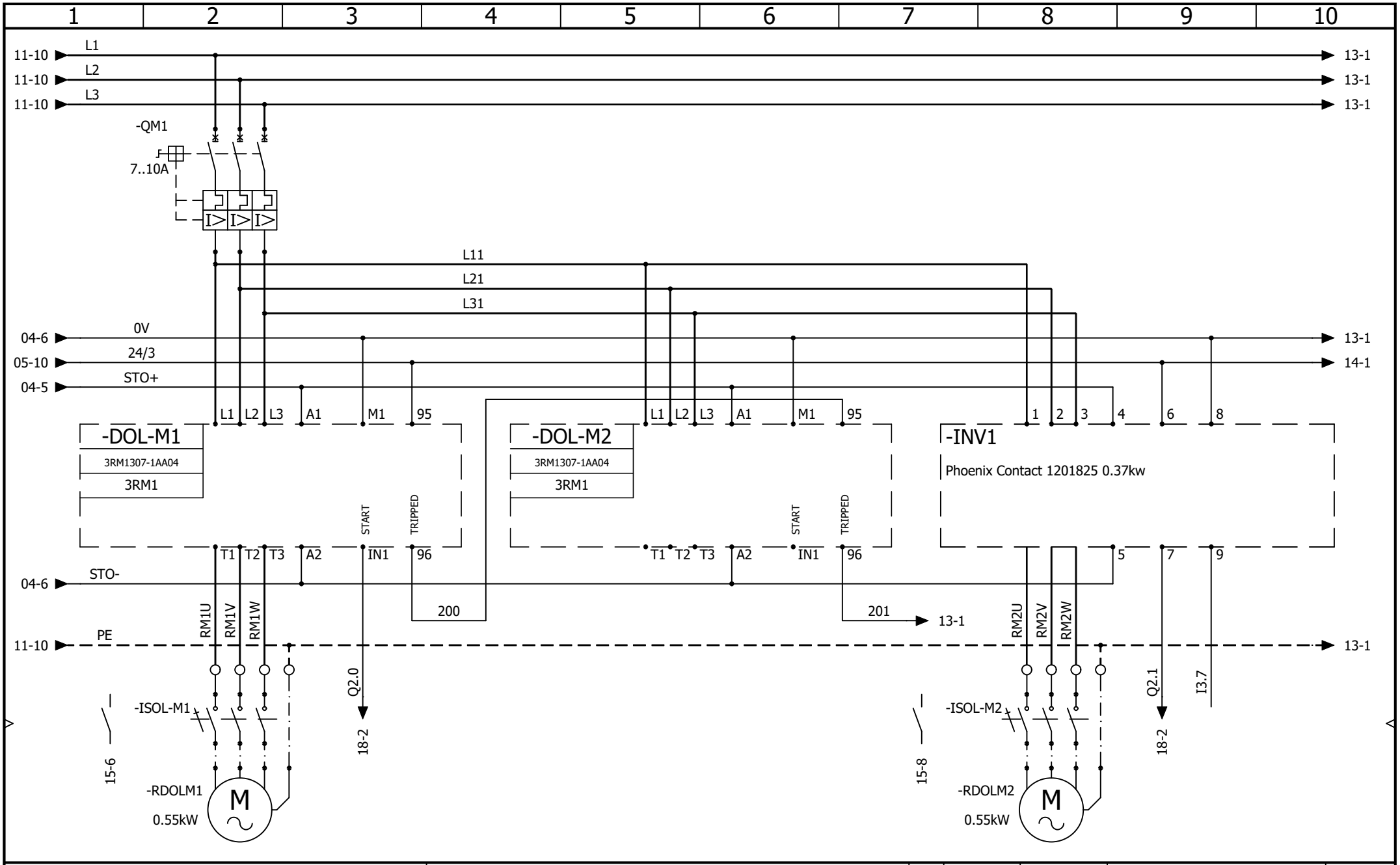
User data 2

REVISION 0

SCHEME 11

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL
DOL MOTOR CONTROL

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

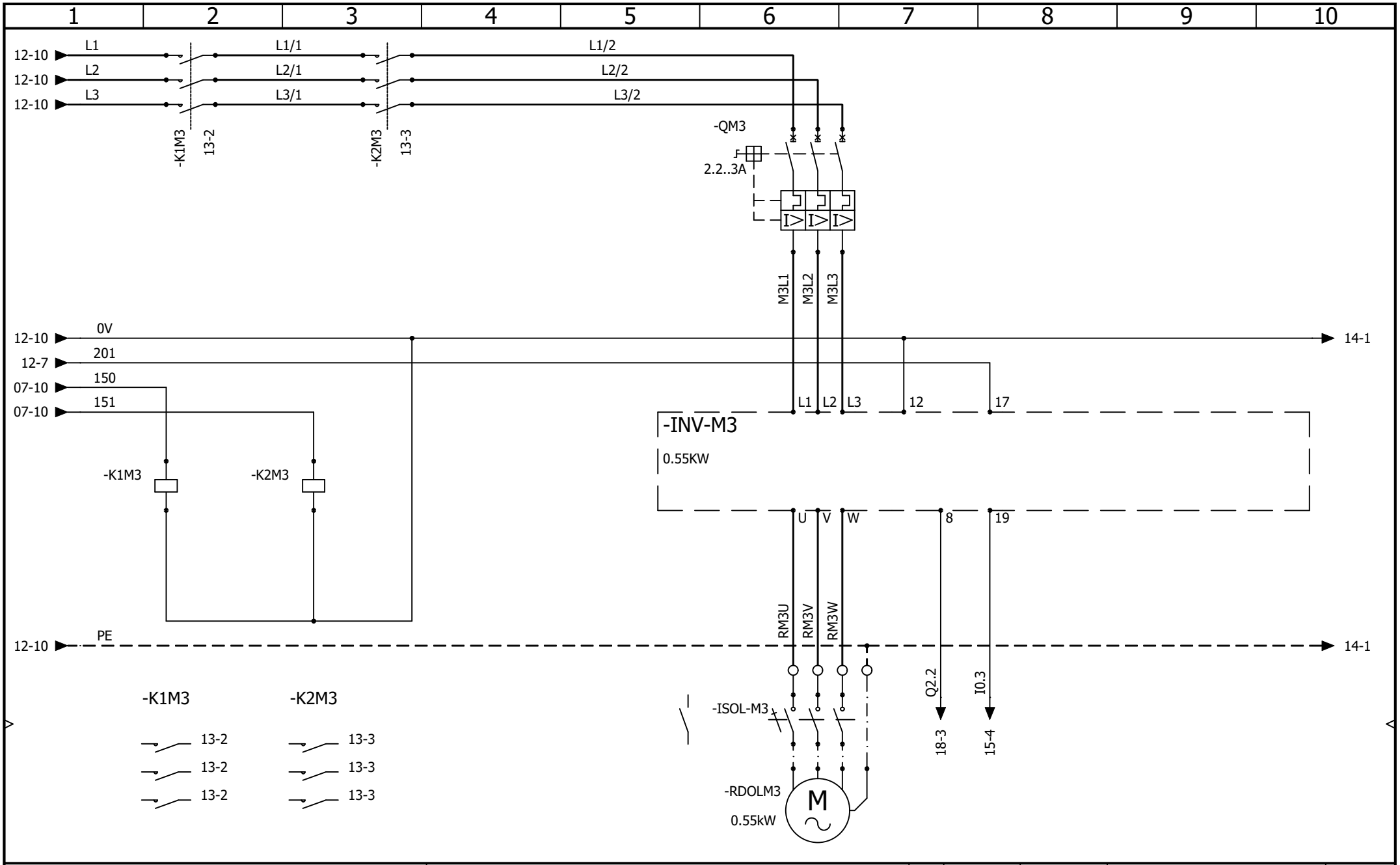
User data 2

REVISION 0

SCHEME 12

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL

M3 MOTOR CONTROL

REV.	DATE	NAME	CHANGES
0	04/10/2024	TW	

User data 1

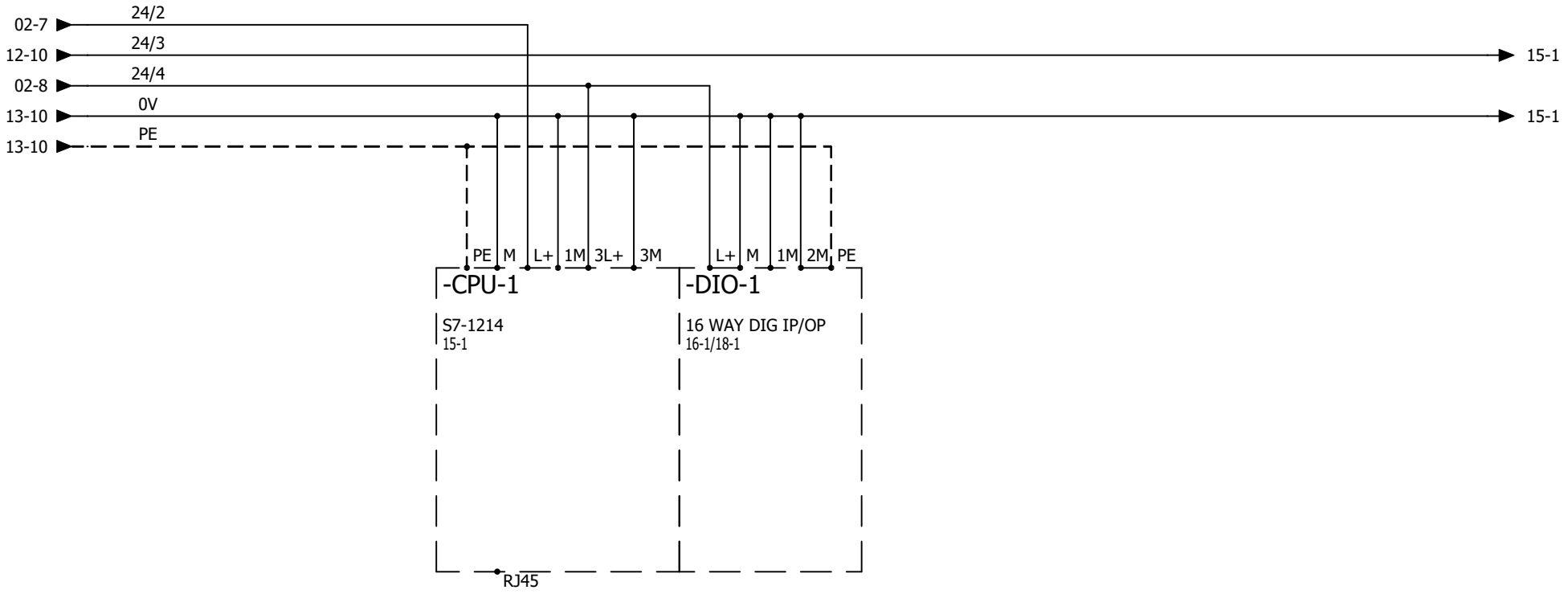
User data 2

REVISION 0

SCHEME 13

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



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CONVEYOR CONTROL
PLC CONFIGURATION

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

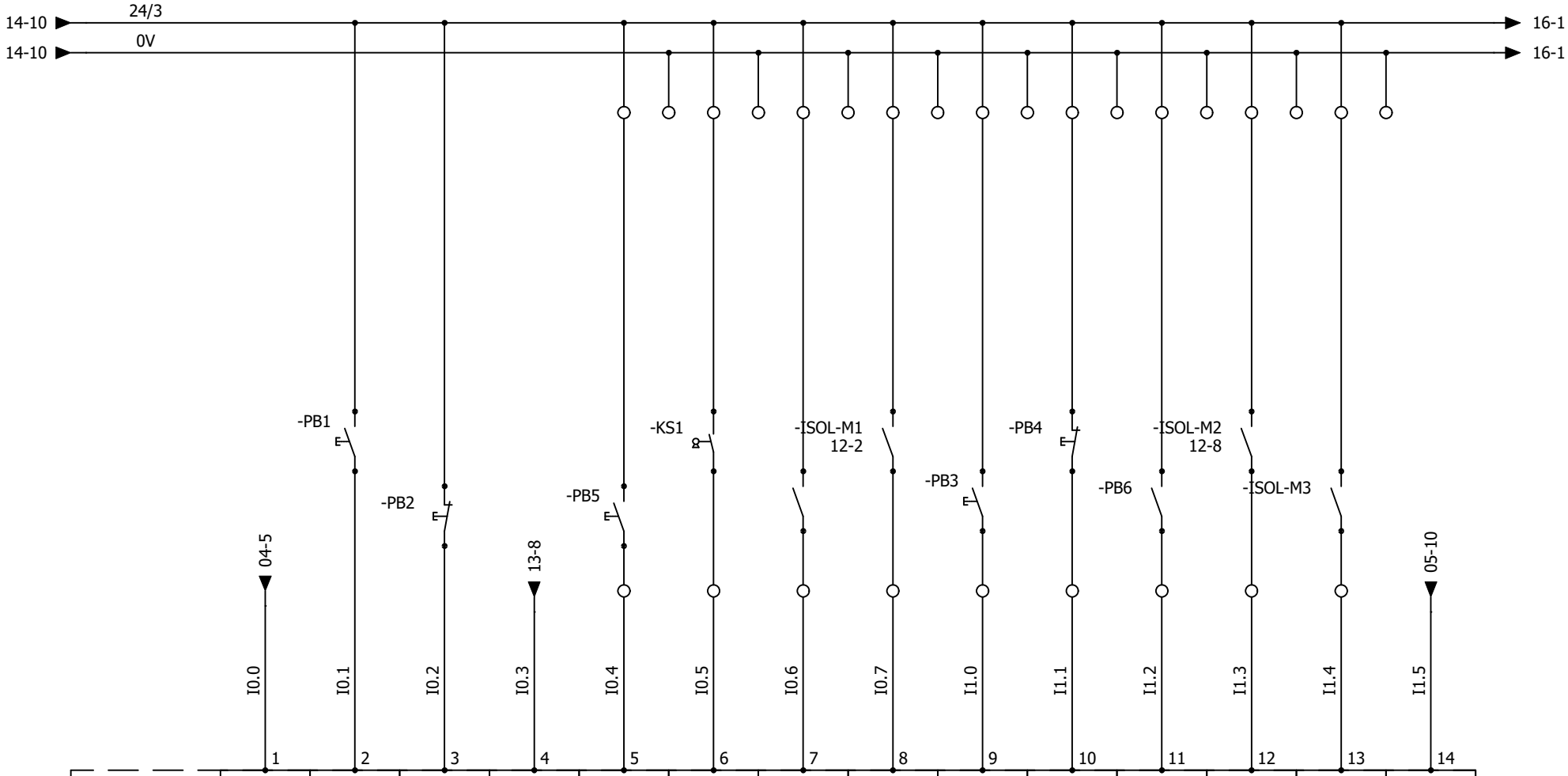
User data 2

REVISION 0

SCHEME 14

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



-CPU-1	I0.0	I0.1	I0.2	I0.3	I0.4	I0.5	I0.6	I0.7	I1.0	I1.1	I1.2	I1.3	I1.4	I1.5
S7-1214 14-3	SAFETY CIRCUIT HEALTHY	START PUSH BUTTON	STOP PUSH BUTTON	OVERLOAD HEALTHY	RESET PUSH BUTTON	INCLINE BELT M3 JAM RESET KEYSWITCH	FIRE DOOR OPEN	MOTOR ISOLATOR M1	REMOTE START PUSH BUTTON	REMOTE STOP PUSH BUTTON	REMOTE RESET PUSH BUTTON	MOTOR ISOLATOR M2	MOTOR ISOLATOR M3	ESTOP BUTTON ACTIVATED

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CONVEYOR CONTROL

CPU - INPUTS

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

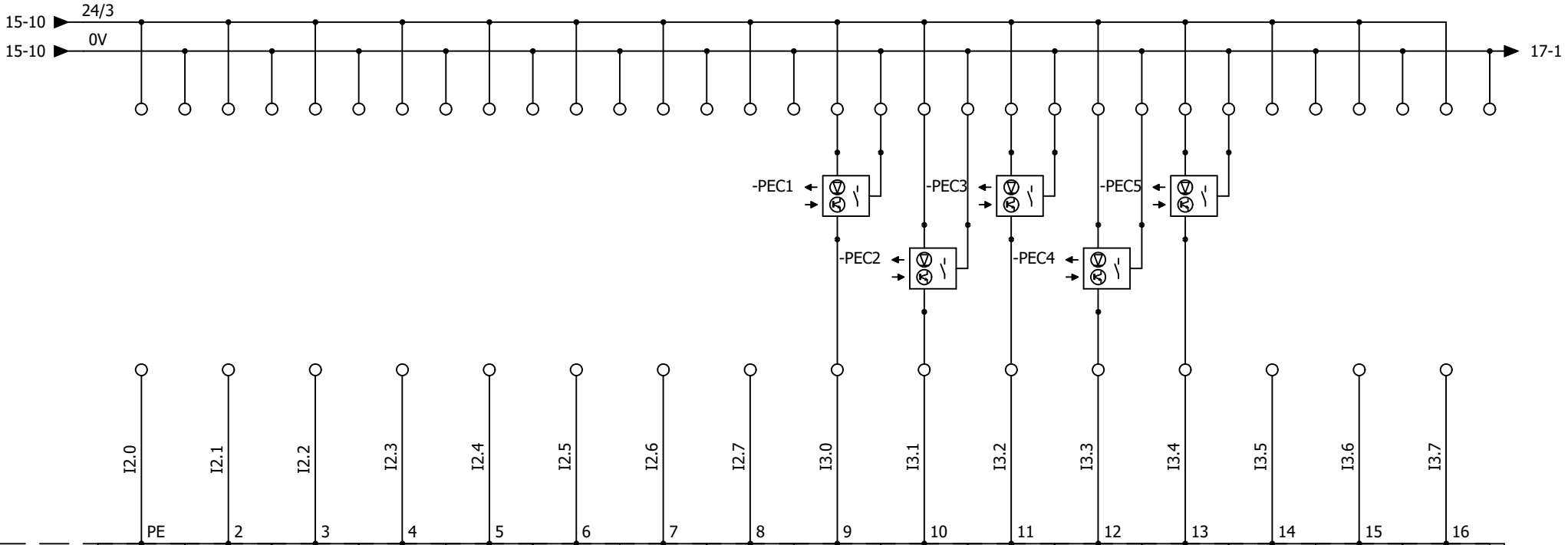
User data 2

REVISION 0

SCHEME 15

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet



-DIO-1	I2.0	I2.1	I2.2	I2.3	I2.4	I2.5	I2.6	I2.7	I3.0	I3.1	I3.2	I3.3	I3.4	I3.5	I3.6	I3.7
16 WAY DIG IP/OP 14-5/18-1	ZONE 1 READY TO ACCEPT	ZONE 47 OCCUPIED	SPARE	ZONE 107 OCCUPIED	SPARE	ZONE 108 OCCUPIED	ZONE 121 OCCUPIED	SPARE	BOX DROPPED ON M1 CONVEYOR	BOX DROPPED ON M1 CONVEYOR	BOX AT TOP OF M1 CONVEYOR	BOX AT TOP OF M2	BOX AT TOP OF M3	SPARE	SPARE	SPARE
									PEC1	PEC2	PEC3	PEC4	PEC5			

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CONVEYOR CONTROL
DIGITAL INPUTS MODULE 1

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

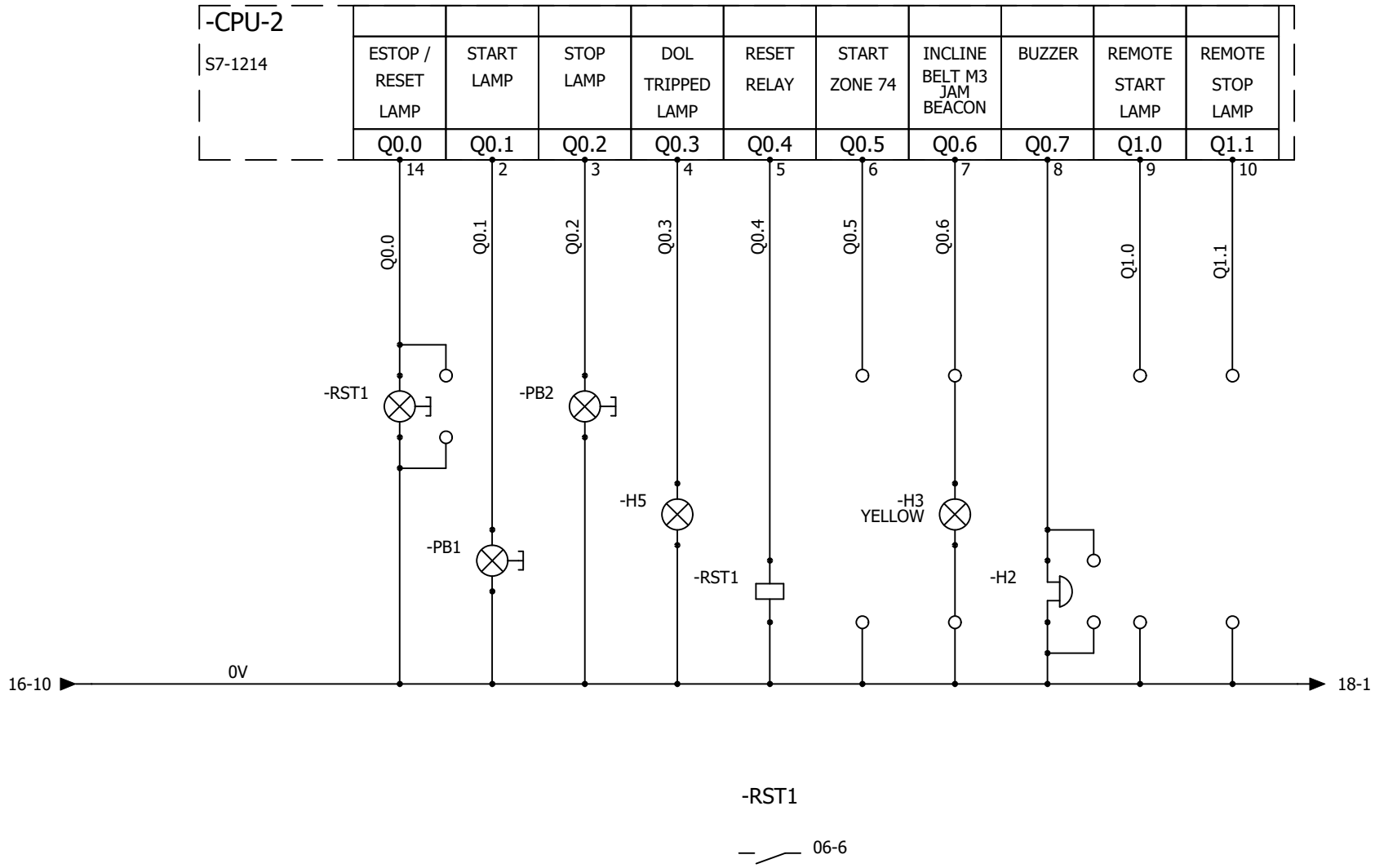
User data 1 | User data 2

REVISION 0

SCHEME 16

CONTRACT: JD SPORTS - TRAFFORD CENTRE

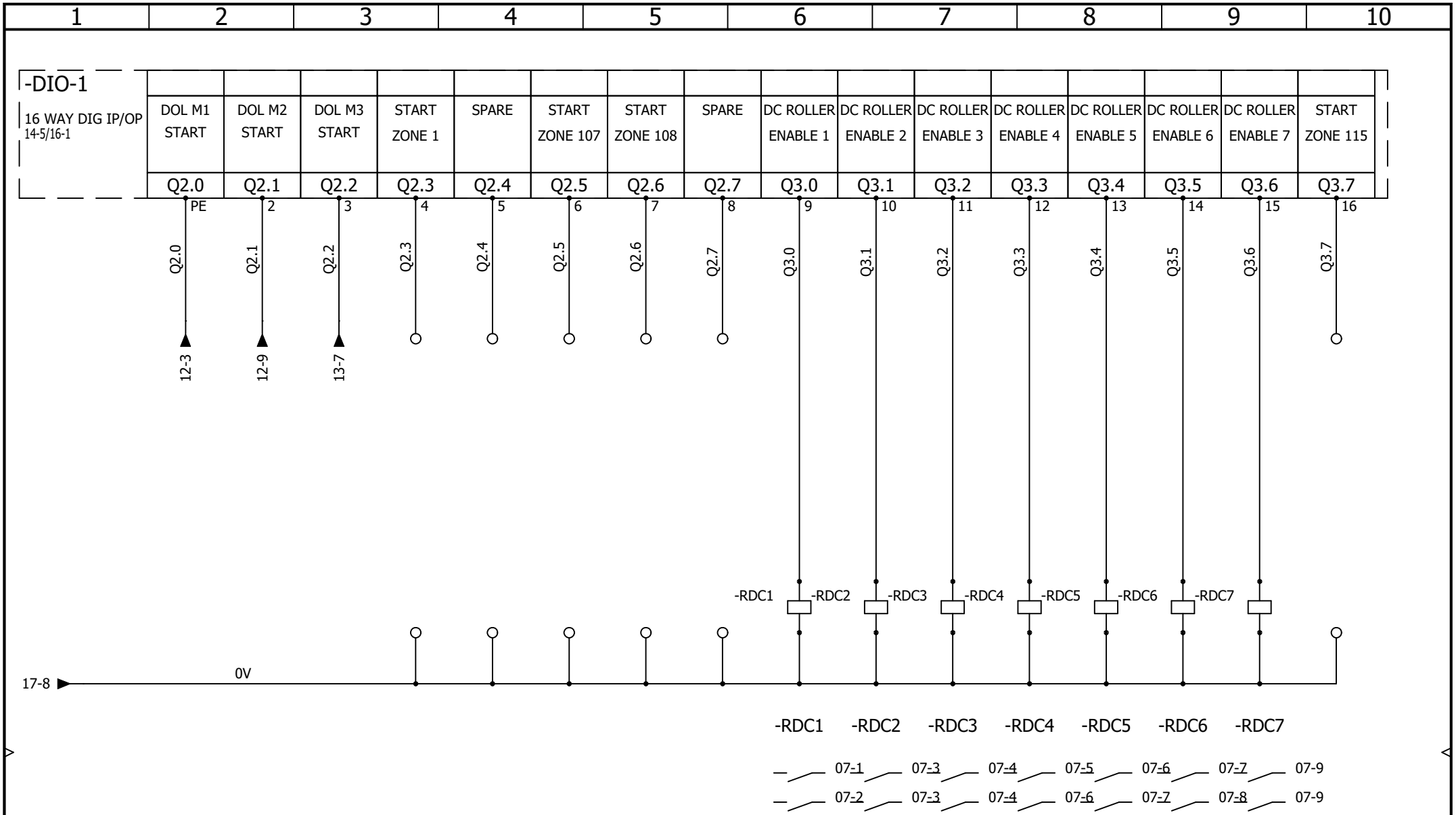
LOCATION: +L1 Main electrical closet



-RST1

06-6

Kensal House, President Way, Luton, Beds. LU2 9NR Tel: 01582 425777 sales@kensal.com	CONVEYOR CONTROL CPU - OUTPUTS				REVISION 0
		0	15/07/2024	TW	
		REV.	DATE	NAME	CHANGES
CONTRACT: JD SPORTS - TRAFFORD CENTRE	LOCATION: +L1 Main electrical closet	User data 1		User data 2	SCHEME 17



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CONVEYOR CONTROL

DIGITAL OUTPUTS MODULE 1

REV.	DATE	NAME	CHANGES
0	15/07/2024	TW	

User data 1

User data 2

REVISION 0

SCHEME 18

CONTRACT: JD SPORTS - TRAFFORD CENTRE

LOCATION: +L1 Main electrical closet