1	2	3	4	5	6	7	8	9	10

PALACE

NIKE

CONTROL PANEL 1

2395

AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

Control Panel 1
Cover Page

REV.	DATE	NAME	CHANGES
0	13/02/2025	TW	

REVISION 0

SCHEME 01

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L1 Control Panel 1

User data 1

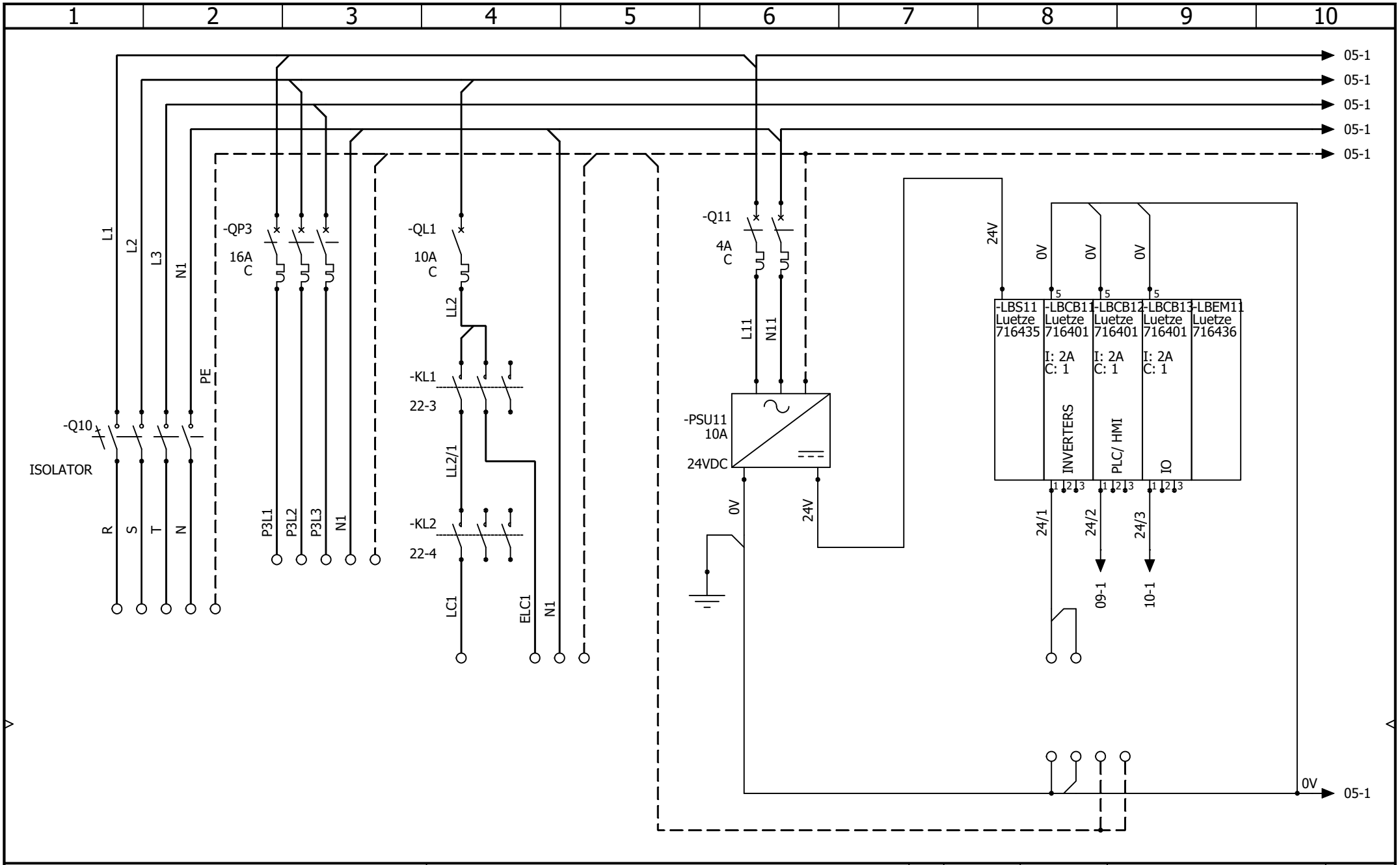
User data 2

2-Control Panel 1

Drawing	Description	Function	Location	Revision	Date	Created by
01	Cover Page	=F1	+L1	0	13/02/2025	TW
02	Drawings list	=F1	+L1	0	13/02/2025	TW
03	Drawings list	=F1	+L1	0	27/05/2025	TW
04	POWER DISTRIBUTION	=F1	+L1	0	13/02/2025	TW
05	ACTUATOR SUPPLIES	=F1	+L1	0	21/05/2025	TW
06	ACTUATOR CONTROL	=F1	+L1	0	21/05/2025	TW
07	MOTOR 1 AND BRAKE CONTROL	=F1	+L1	0	13/02/2025	TW
08	MOTOR 2 AND BRAKE CONTROL	=F1	+L1	0	27/05/2025	TW
09	PANEL NETWORK	=F1	+L1	0	23/12/2024	TW
10	PLC IO LAYOUT	=F1	+L1	0	13/02/2025	TW
11	FAILSAFE DIGITAL INPUTS 1	=F1	+L1	0	13/02/2025	TW
12	FAILSAFE DIGITAL INPUTS 2	=F1	+L1	0	13/02/2025	TW
13	FAILSAFE DIGITAL INPUTS 3	=F1	+L1	0	23/05/2025	TW
14	FAILSAFE DIGTIAL OUTPUTS 1.1	=F1	+L1	0	27/05/2025	TW
15	DIGITAL INPUTS 1.1	=F1	+L1	0	13/02/2025	TW
16	DIGITAL INPUTS 1.2	=F1	+L1	0	27/05/2025	TW
17	DIGITAL INPUTS 2.1	=F1	+L1	0	10/06/2025	TW
18	DIGITAL INPUTS 2.2	=F1	+L1	0	10/06/2025	TW
19	DIGTIAL OUTPUTS 1.1	=F1	+L1	0	23/05/2025	TW
20	DIGTIAL OUTPUTS 1.2	=F1	+L1	0	27/05/2025	TW

-> 2-Control Panel 1

Drawing	Description	Function	Location	Revision	Date	Created by
21	DIGTIAL OUTPUTS 2.1	=F1	+L1	0	27/05/2025	TW
22	DIGTIAL OUTPUTS 2.2	=F1	+L1	0	27/05/2025	TW
23	ENCODER INPUT 1	=F1	+L1	0	13/02/2025	TW
24	ENCODER INPUT 2	=F1	+L1	0	13/02/2025	TW



AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

Control Panel 1

POWER DISTRIBUTION

REV.	DATE	NAME	CHANGES
0	13/02/2025	TW	

User data 1

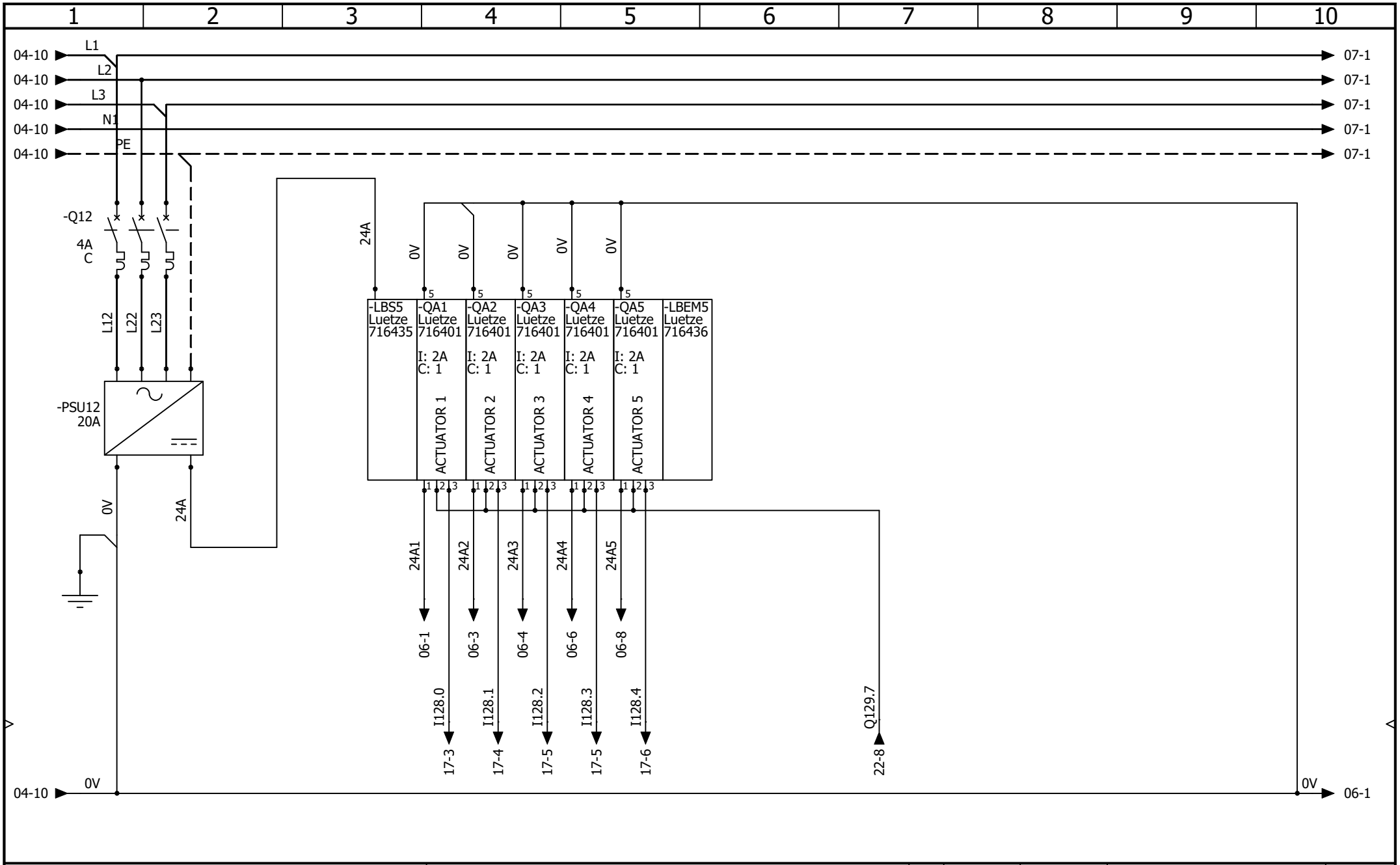
User data 2

REVISION 0

SCHEME 04

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L1 Control Panel 1



AAC Theatre Systems
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Brunel Way, Thetford, Norfolk IP24 1HP

CONTRACT: 2395 - PALACE - NIKE

Control Panel 1

ACTUATOR SUPPLIES

LOCATION: +L1 Control Panel 1

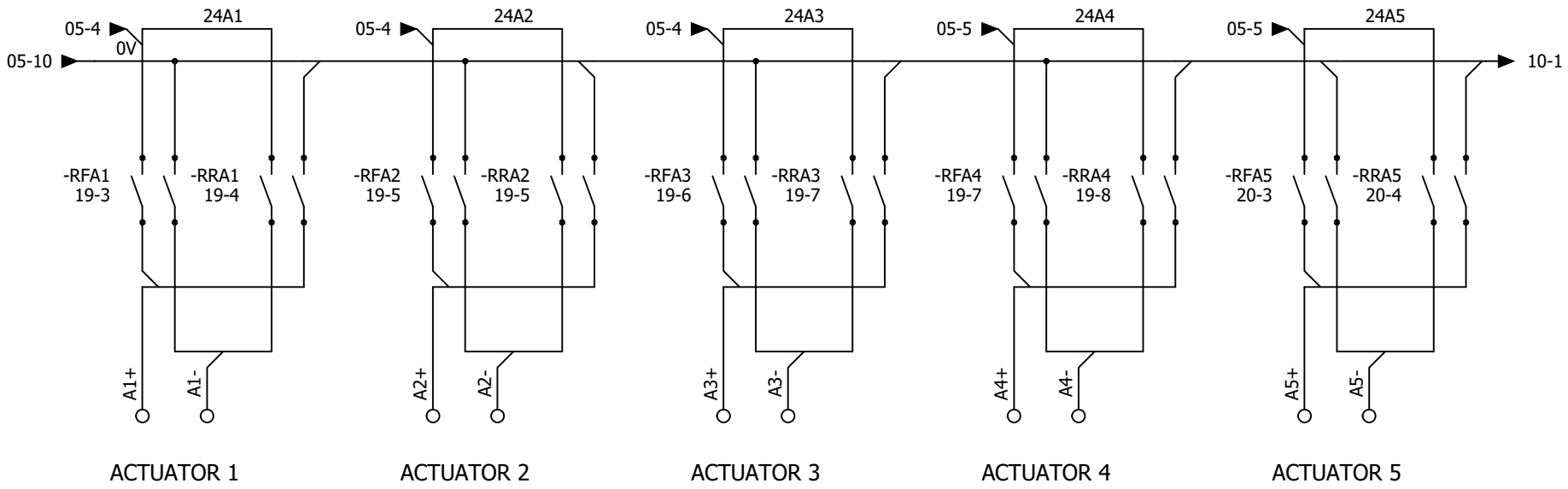
REV.	DATE	NAME	CHANGES
0	21/05/2025	TW	

User data 1

User data 2

REVISION 0

SCHEME 05



AAC Theatre Systems
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CONTRACT: 2395 - PALACE - NIKE

Control Panel 1

ACTUATOR CONTROL

LOCATION: +L1 Control Panel 1

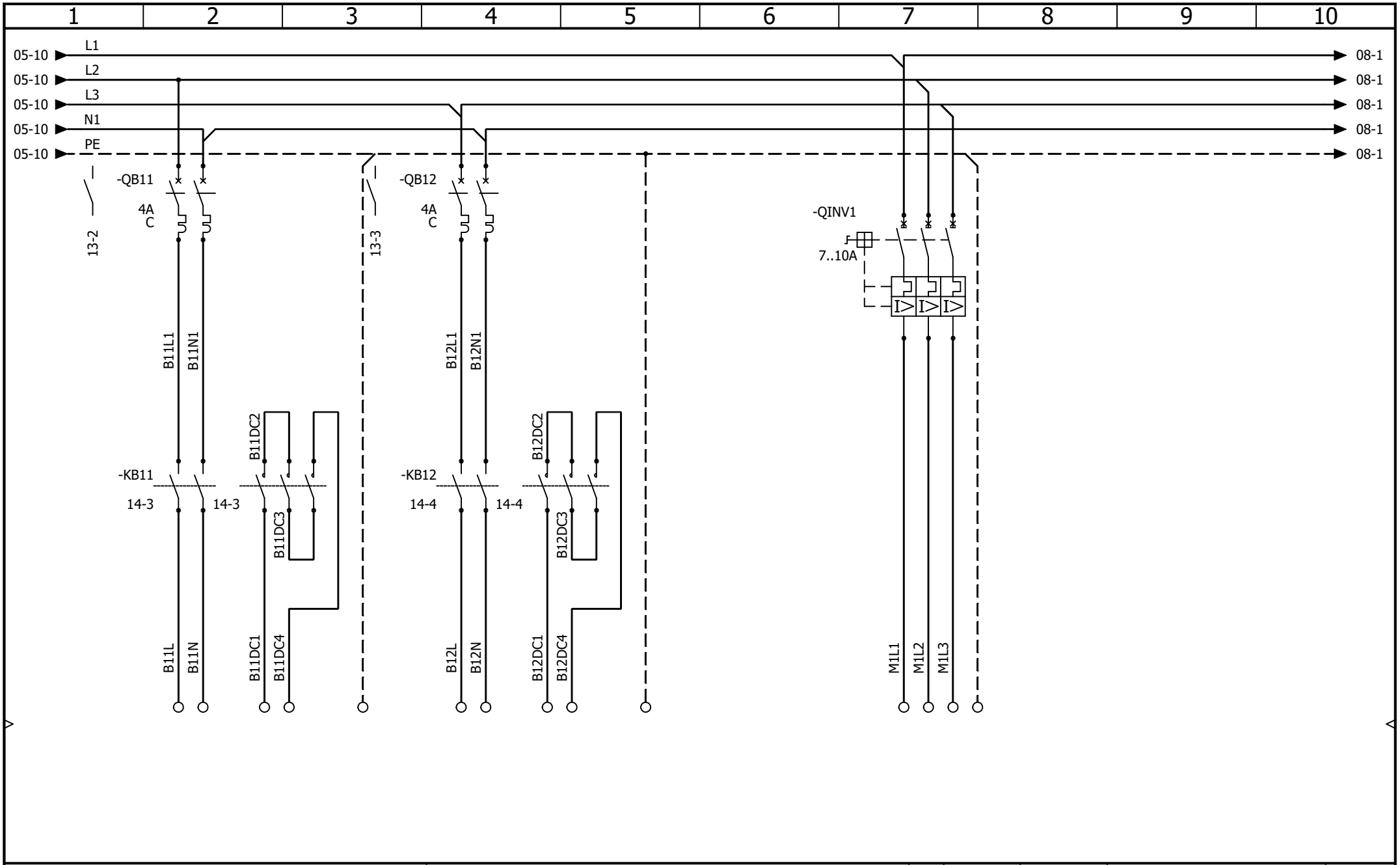
REV.	DATE	NAME	CHANGES
0	21/05/2025	TW	

User data 1

User data 2

REVISION 0

SCHEME 06



AAC Technical Services Ltd
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

Control Panel 1

MOTOR 1 AND BRAKE CONTROL

REV.	DATE	NAME	CHANGES
0	13/02/2025	TW	

User data 1

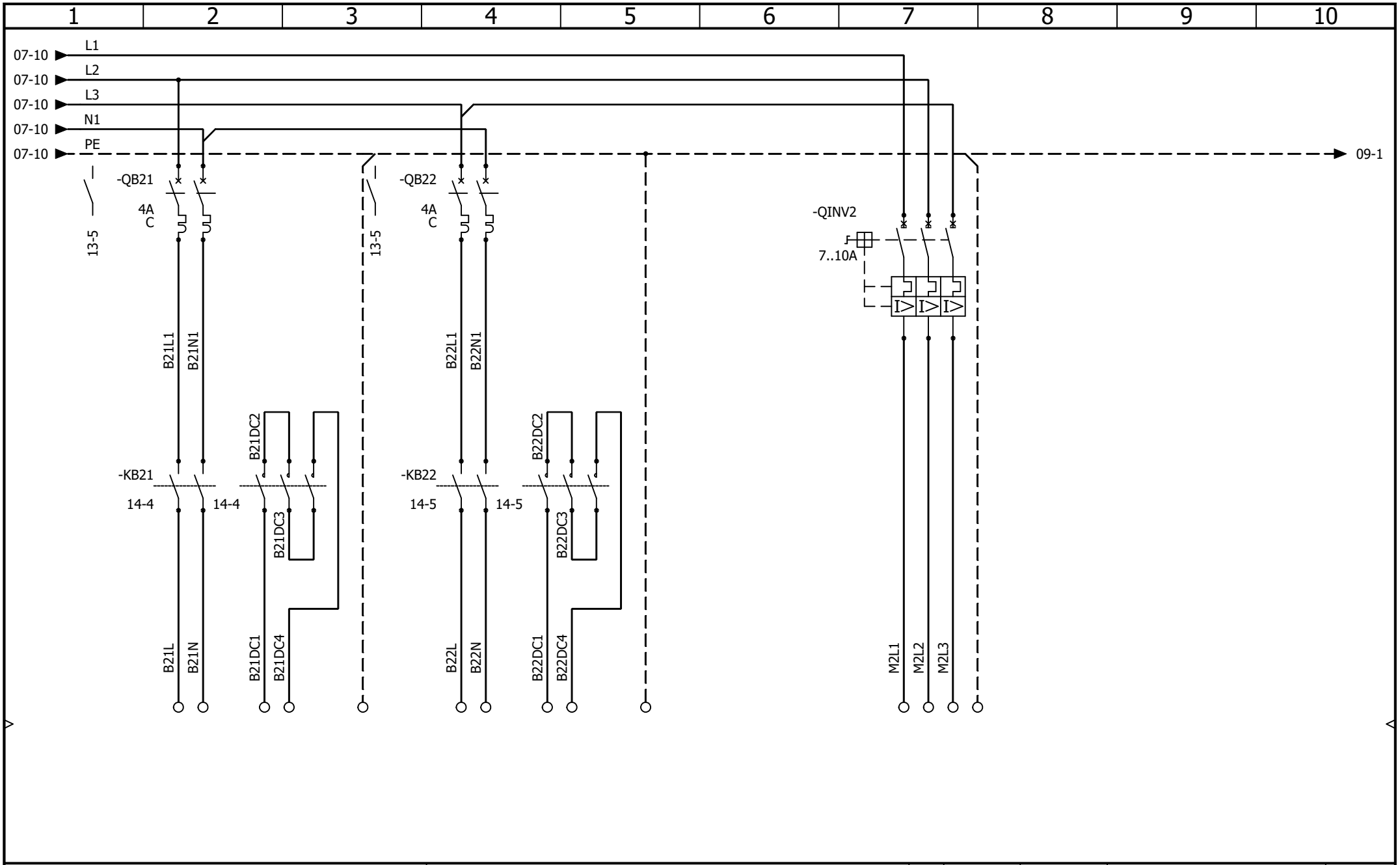
User data 2

REVISION 0

SCHEME 07

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L1 Control Panel 1



AAC Technical Services Ltd
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

Control Panel 1

MOTOR 2 AND BRAKE CONTROL

REV.	DATE	NAME	CHANGES
0	27/05/2025	TW	

User data 1

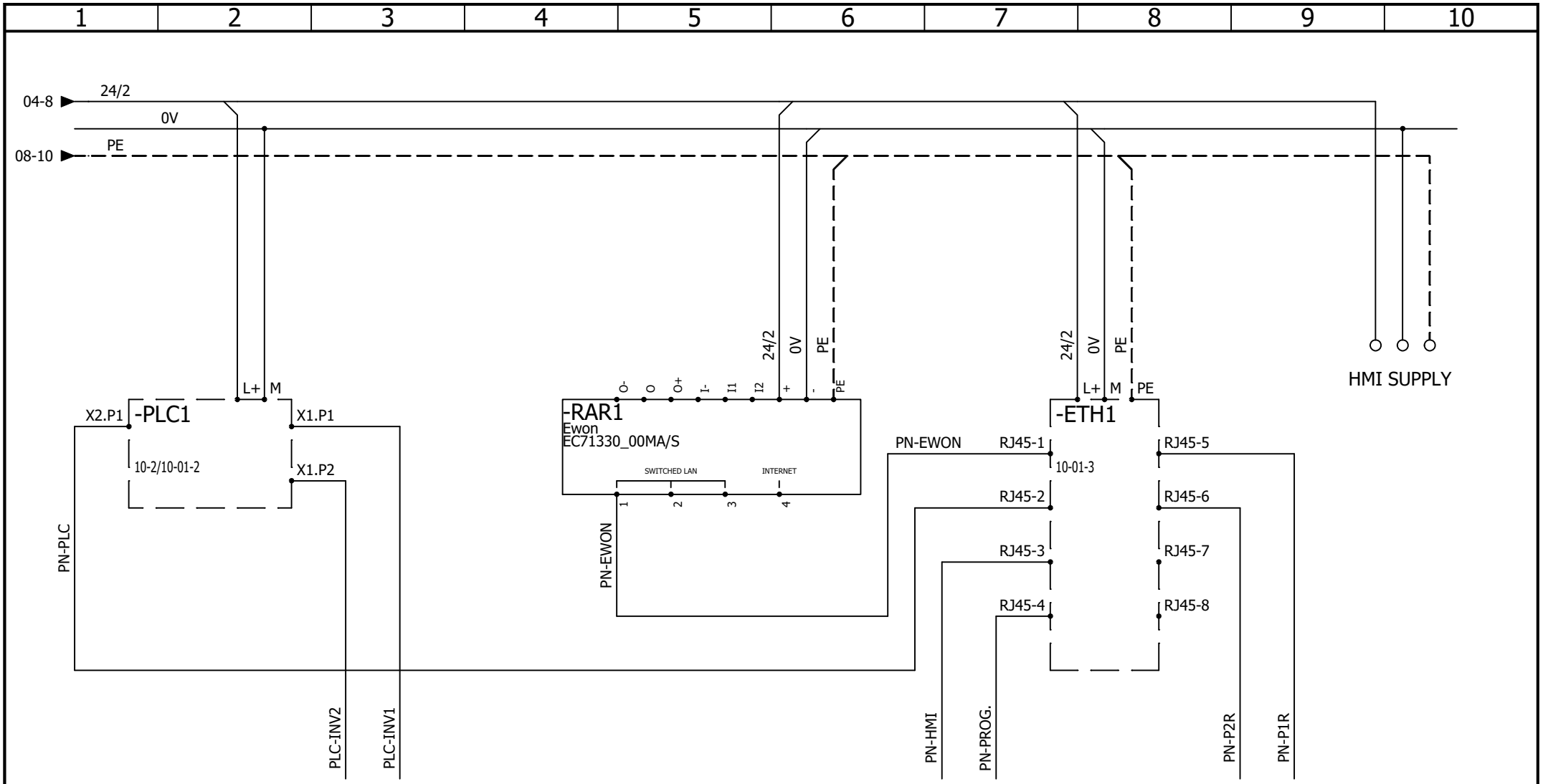
User data 2

REVISION 0

SCHEME 08

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L1 Control Panel 1



AAC Theatre Systems
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A A C Theatre Systems

CONTRACT: 2395 - PALACE - NIKE

Control Panel 1

PANEL NETWORK

LOCATION: +L1 Control Panel 1

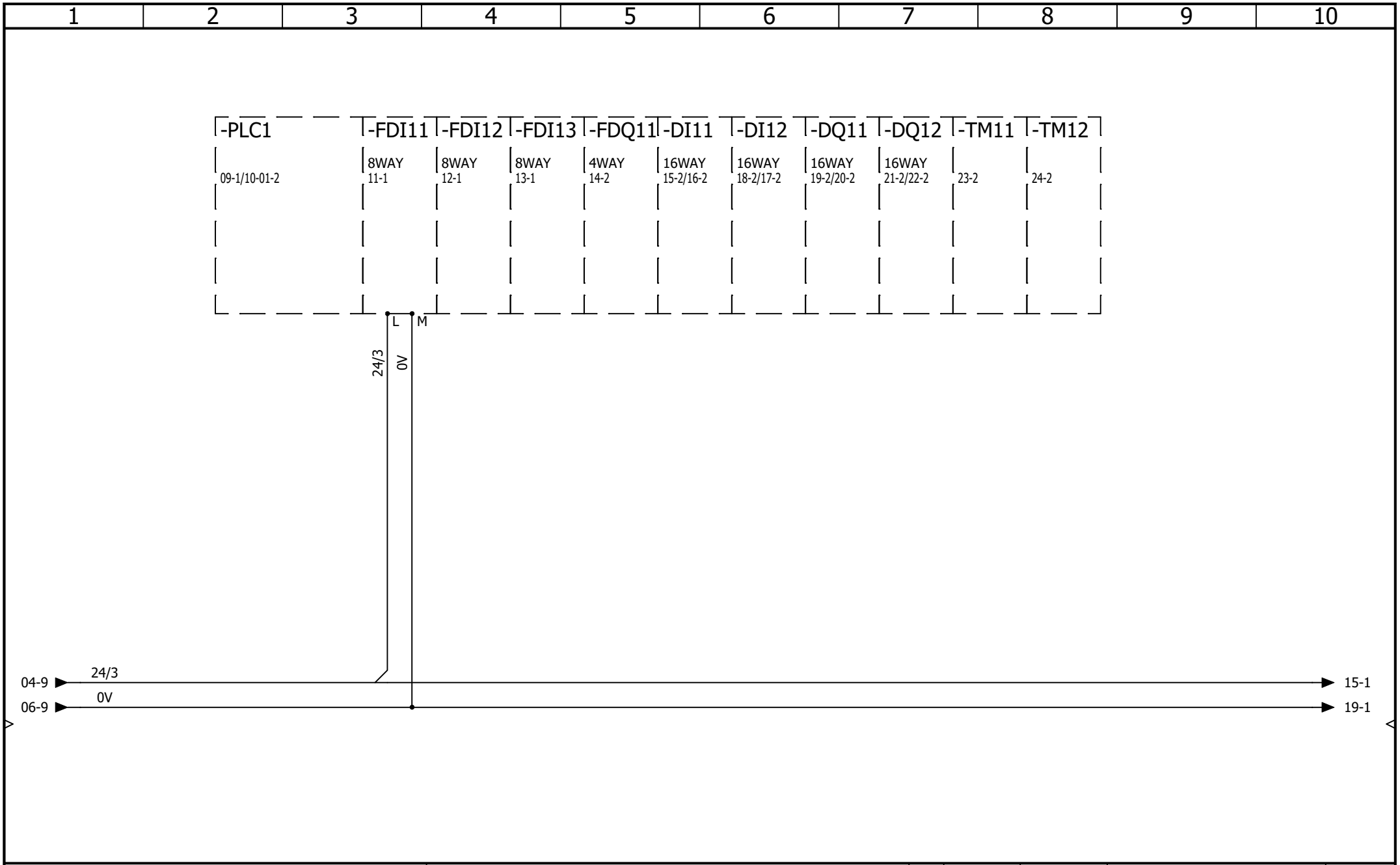
REV.	DATE	NAME	CHANGES
0	23/12/2024	TW	

User data 1

User data 2

REVISION 0

SCHEME 09



AAC Theatre Systems
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CONTRACT: 2395 - PALACE - NIKE

Control Panel 1

PLC IO LAYOUT

LOCATION: +L1 Control Panel 1

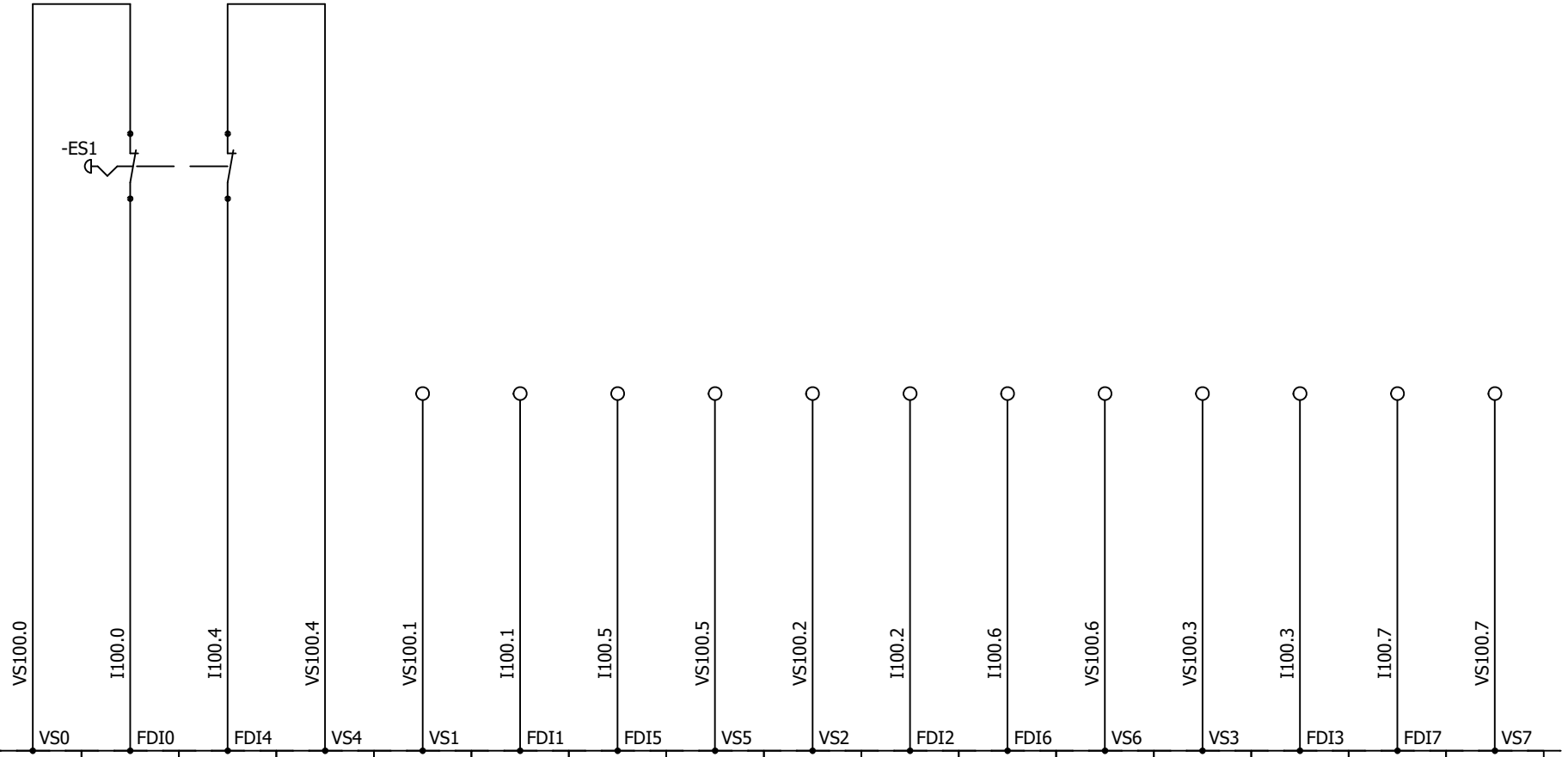
REV.	DATE	NAME	CHANGES
0	13/02/2025	TW	

User data 1

User data 2

REVISION 0

SCHEME 10



-FDI11	VS0	I100.0	I100.4	VS4	VS1	I100.1	I100.5	VS5	VS2	I100.2	I100.6	VS6	VS3	I100.3	I100.7	VS7
6ES7 136-6BA01-0CA0 8WAY 10-3		PANEL EMERGENCY STOP CHANNEL 1	PANEL EMERGENCY STOP CHANNEL 2			CONTROL STATION EMERGENCY STOP CHANNEL 1	CONTROL STATION EMERGENCY STOP CHANNEL 2			SPARE CHANNEL 1	SPARE CHANNEL 2			SPARE CHANNEL 1	SPARE CHANNEL 2	

AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

CONTRACT: 2395 - PALACE - NIKE

Control Panel 1

FAILSAFE DIGITAL INPUTS 1

LOCATION: +L1 Control Panel 1

REV.	DATE	NAME	CHANGES
0	13/02/2025	TW	

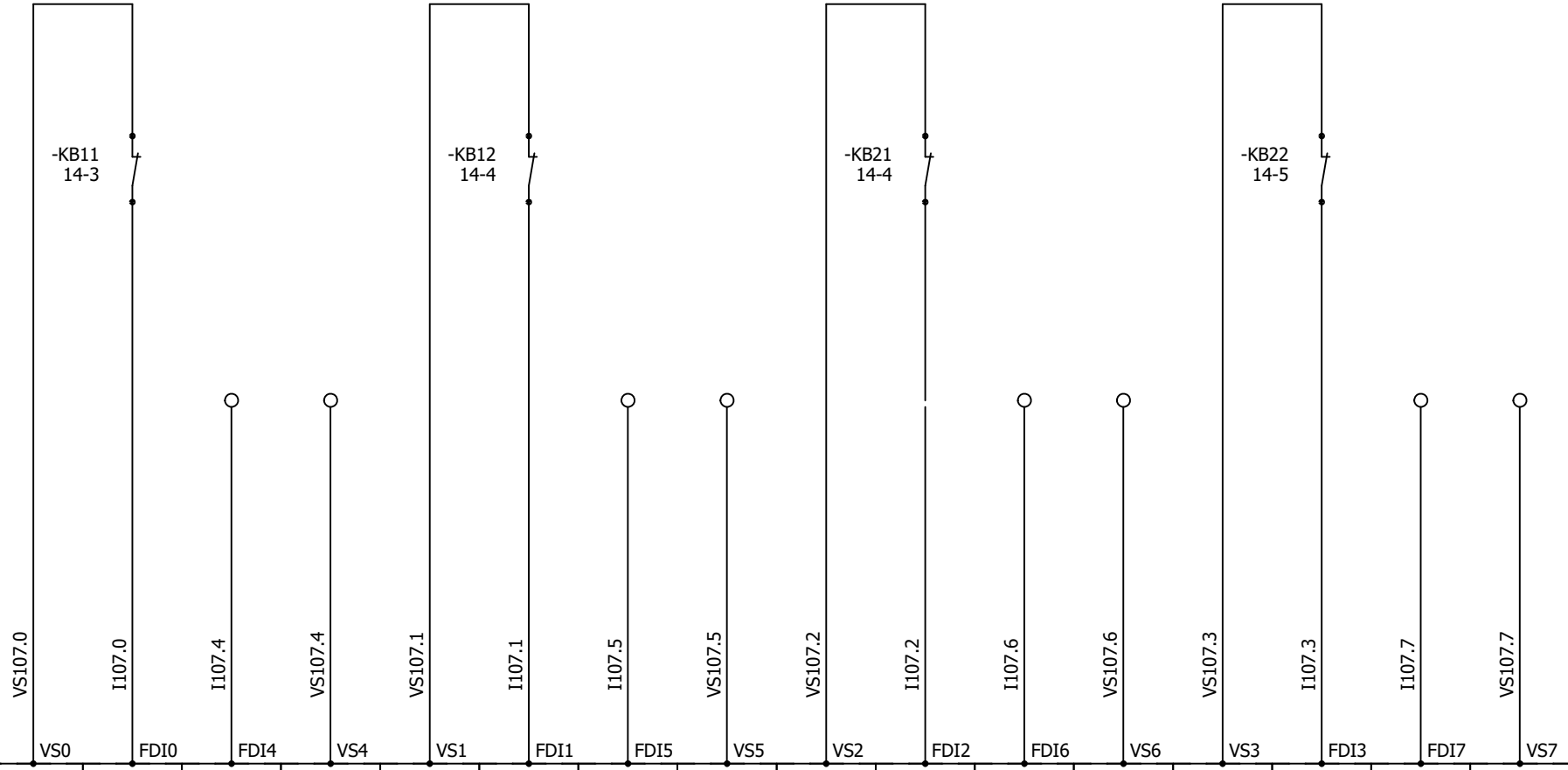
User data 1

User data 2

REVISION 0

SCHEME 11

1	2	3	4	5	6	7	8	9	10



-FDI12	VS0	I107.0	I107.4	VS4	VS1	I107.1	I107.5	VS5	VS2	I107.2	I107.6	VS6	VS3	I107.3	I107.7	VS7
6ES7 136-6BA01-0CA0 8WAY 10-4		MOTOR 1 BRAKE 1 CONTACTOR FEEDBACK	MOTOR 1 BRAKE 1 FEEDBACK			MOTOR 1 BRAKE 2 CONTACTOR FEEDBACK	MOTOR 1 BRAKE 2 FEEDBACK			MOTOR 2 BRAKE 1 CONTACTOR FEEDBACK	MOTOR 2 BRAKE 1 FEEDBACK			MOTOR 2 BRAKE 2 CONTACTOR FEEDBACK	MOTOR 2 BRAKE 2 FEEDBACK	

AAC Theatre Systems
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Control Panel 1

FAILSAFE DIGITAL INPUTS 2

REV.	DATE	NAME	CHANGES
0	13/02/2025	TW	

User data 1

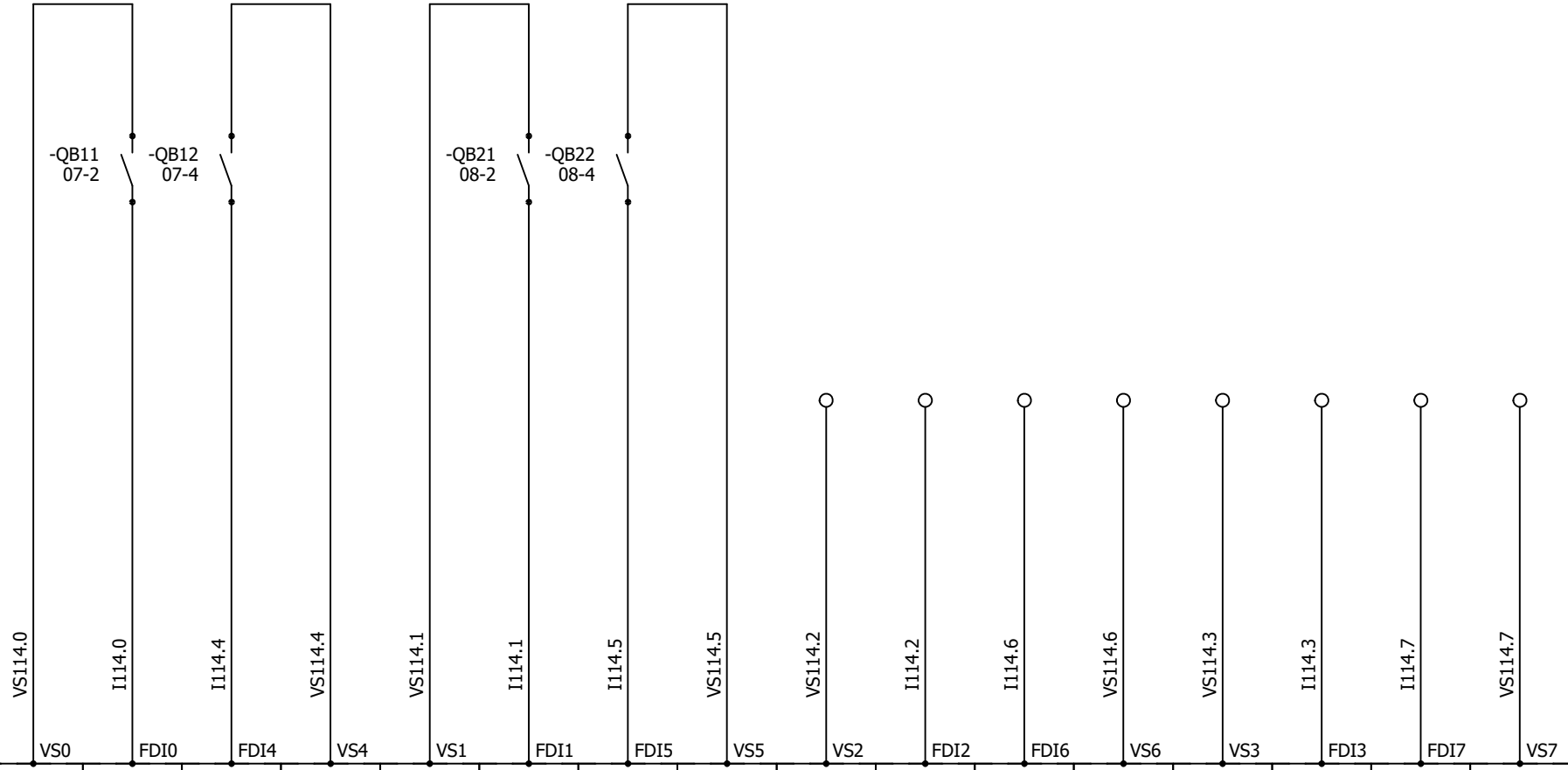
User data 2

REVISION 0

SCHEME 12

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L1 Control Panel 1



-FDI13	VS0	I114.0	I114.4	VS4	VS1	I114.1	I114.5	VS5	VS2	I114.2	I114.6	VS6	VS3	I114.3	I114.7	VS7
6ES7 136-6BA01-0CA0 8WAY 10-4		MOTOR 1 BRAKE 1 CIRCUIT BREAKER AUX	MOTOR 1 BRAKE 2 CIRCUIT BREAKER AUX			MOTOR 2 BRAKE 1 CIRCUIT BREAKER AUX	MOTOR 2 BRAKE 2 CIRCUIT BREAKER AUX			SERAPID 1 ULTIMATE BOTTOM LIMIT	SERAPID 1 ULTIMATE TOP LIMIT			SERAPID 2 ULTIMATE BOTTOM LIMIT	SERAPID 2 ULTIMATE TOP LIMIT	

AAC Theatre Systems
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Control Panel 1

FAILSAFE DIGITAL INPUTS 3

REV.	DATE	NAME	CHANGES
0	23/05/2025	TW	

User data 1

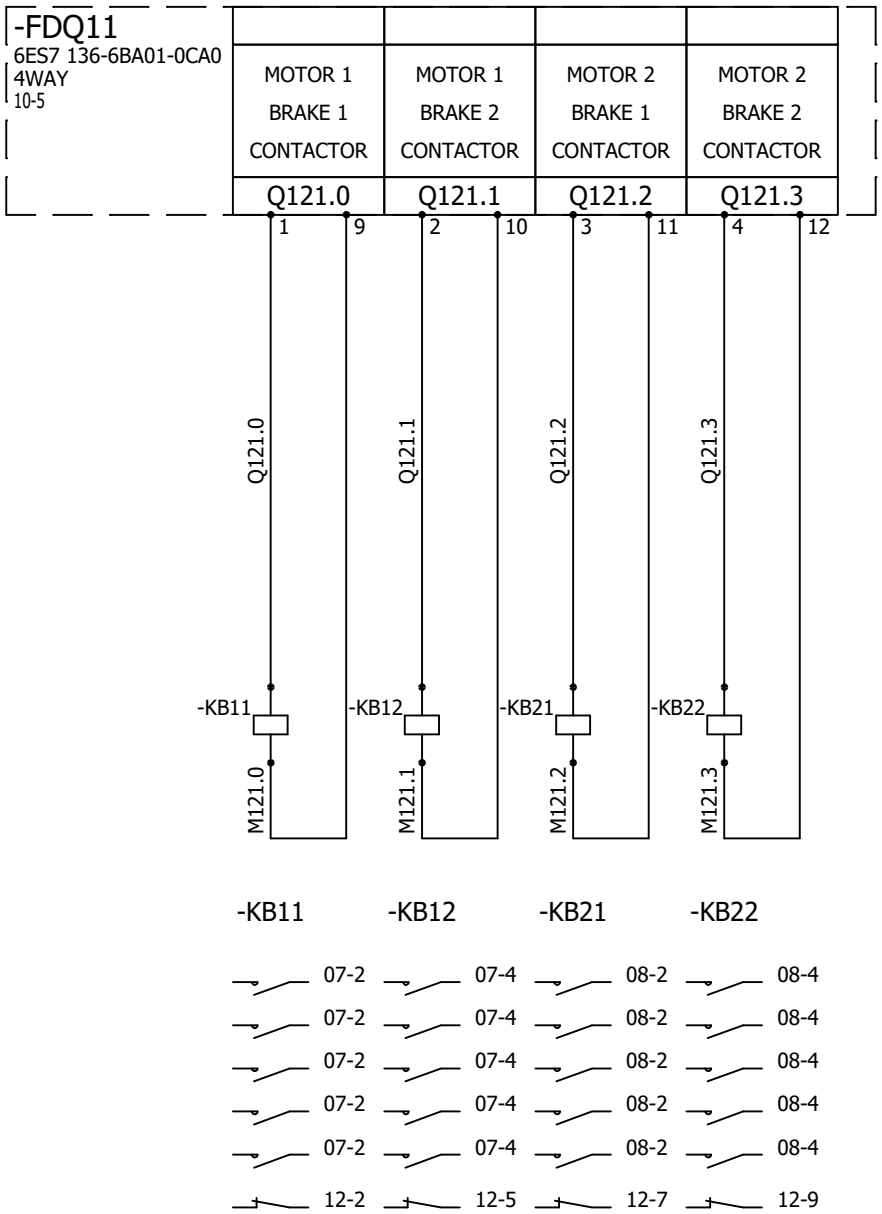
User data 2

REVISION 0

SCHEME 13

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L1 Control Panel 1



AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

Control Panel 1

FAILSAFE DIGTIAL OUTPUTS 1.1

REV.	DATE	NAME	CHANGES
0	27/05/2025	TW	

User data 1

User data 2

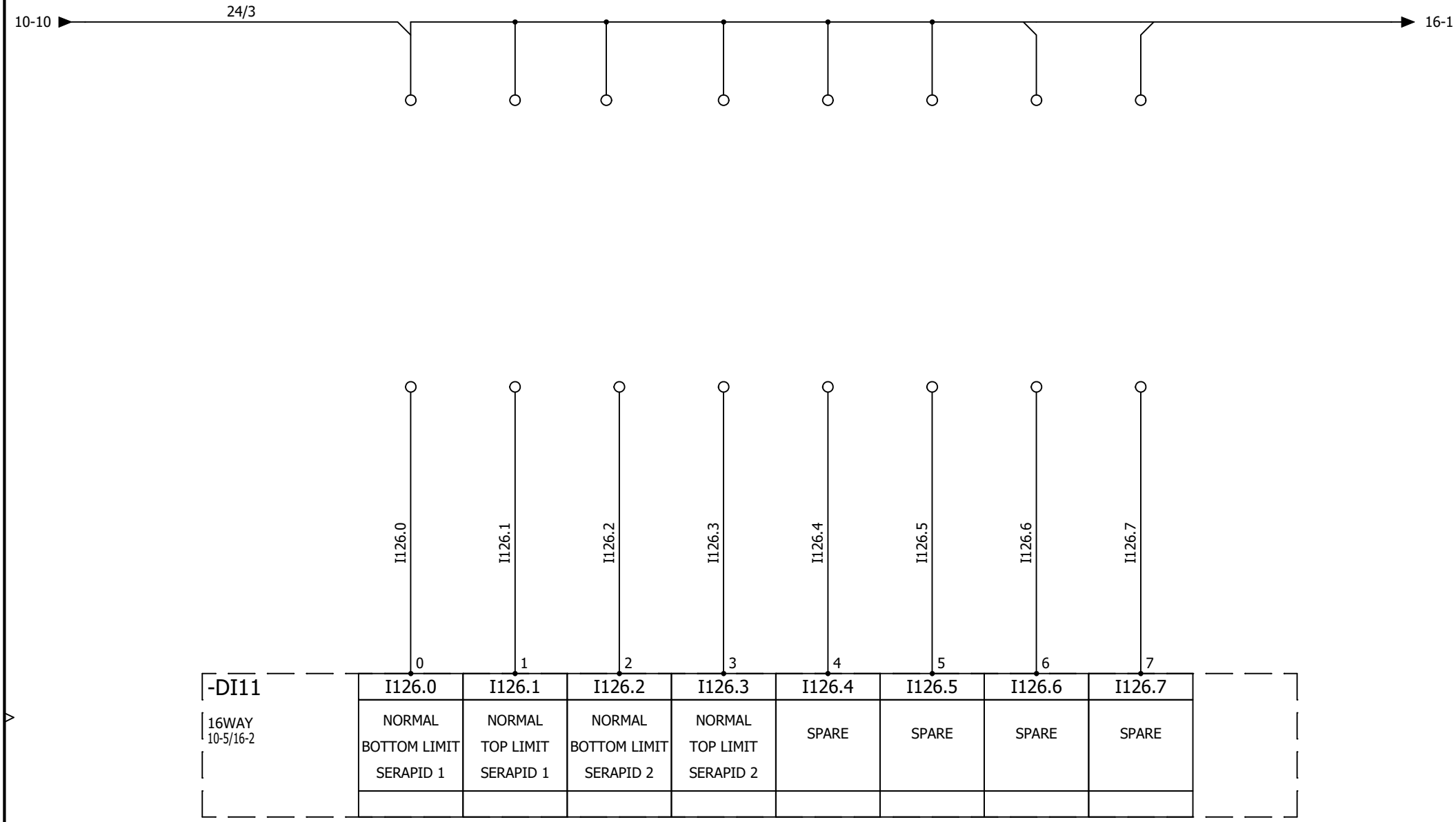
REVISION 0

SCHEME 14

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L1 Control Panel 1

1	2	3	4	5	6	7	8	9	10



AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

CONTRACT: 2395 - PALACE - NIKE

Control Panel 1

DIGITAL INPUTS 1.1

LOCATION: +L1 Control Panel 1

REV.	DATE	NAME	CHANGES
0	13/02/2025	TW	

User data 1

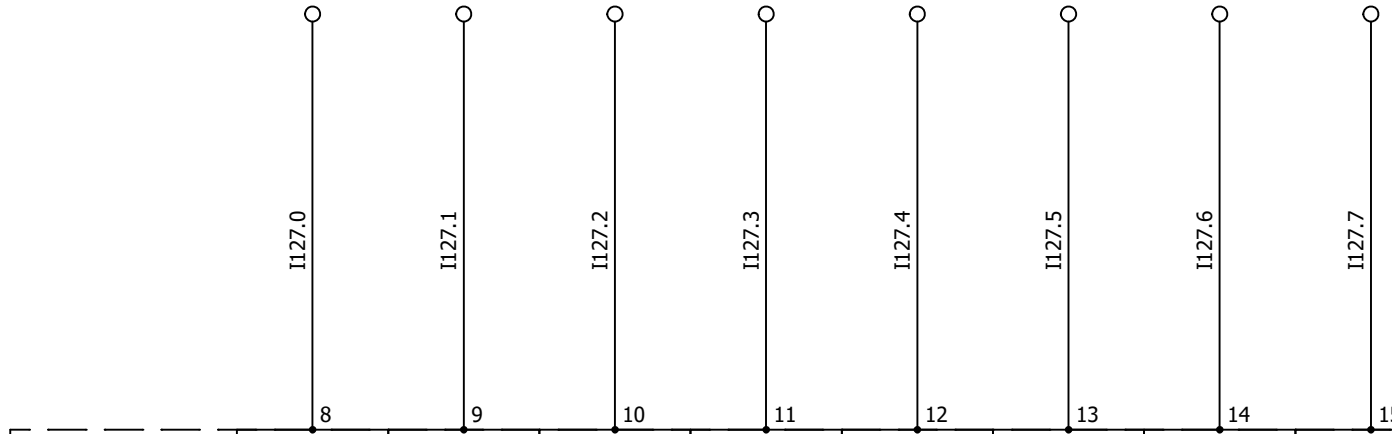
User data 2

REVISION 0

SCHEME 15

1	2	3	4	5	6	7	8	9	10

15-10 24/3 18-1



-DI11

16WAY
15-2/10-5

I126.0	I126.1	I126.2	I126.3	I126.4	I126.5	I126.6	I126.7
RAISE KEYSWITCH	LOWER KEYSWITCH	PLATFORM 1 SELECT KEYSWITCH	PLATFORM 2 SELECT KEYSWITCH	RESET PUSHBUTTON	SPARE	SPARE	SPARE

AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP
A A C Theatre Systems

Control Panel 1

DIGITAL INPUTS 1.2

REV.	DATE	NAME	CHANGES
0	27/05/2025	TW	

User data 1

User data 2

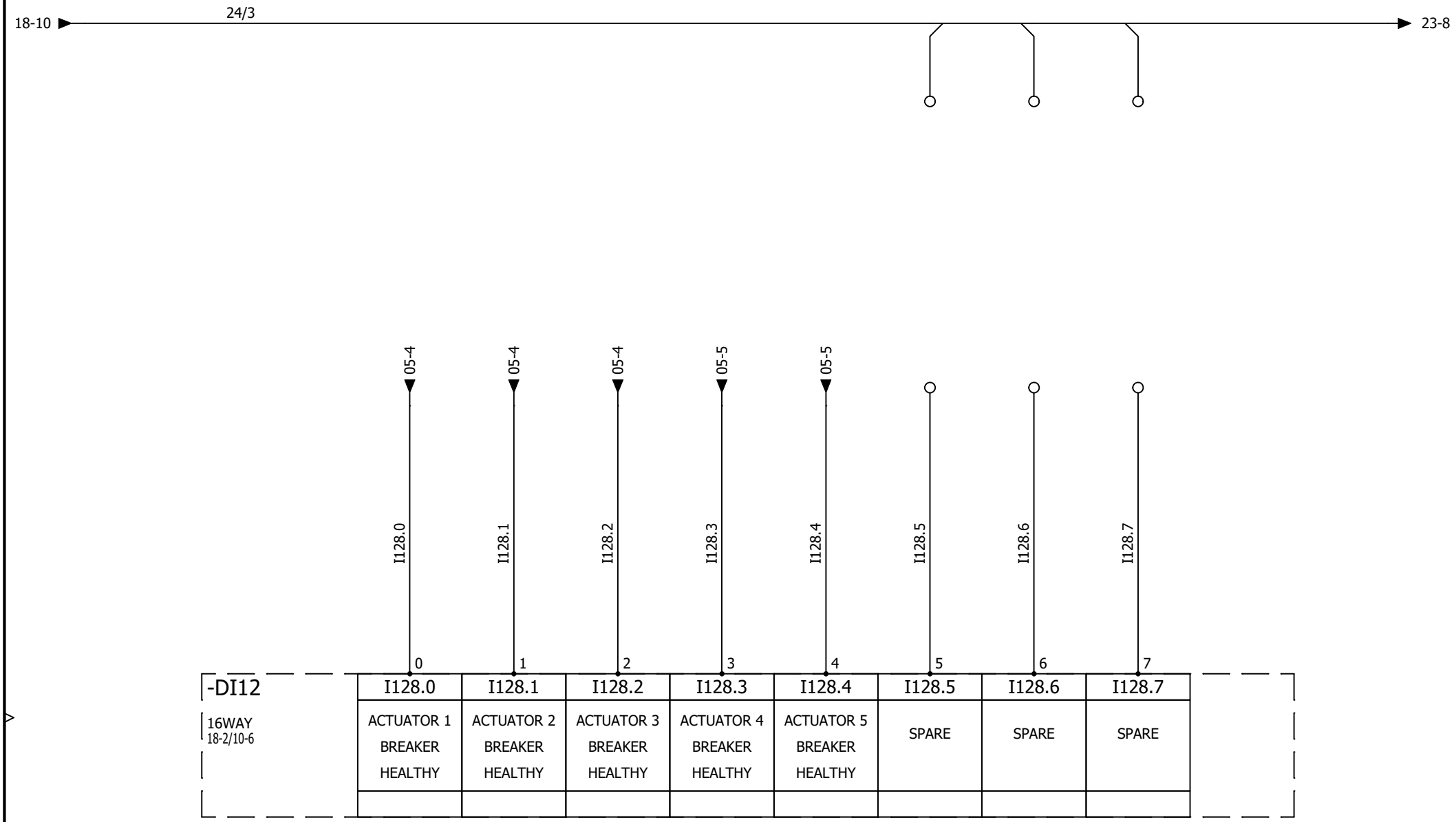
REVISION 0

SCHEME 16

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L1 Control Panel 1

1	2	3	4	5	6	7	8	9	10



AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP
A A C Theatre Systems

CONTRACT: 2395 - PALACE - NIKE

Control Panel 1

DIGITAL INPUTS 2.1

LOCATION: +L1 Control Panel 1

REV.	DATE	NAME	CHANGES
0	10/06/2025	TW	

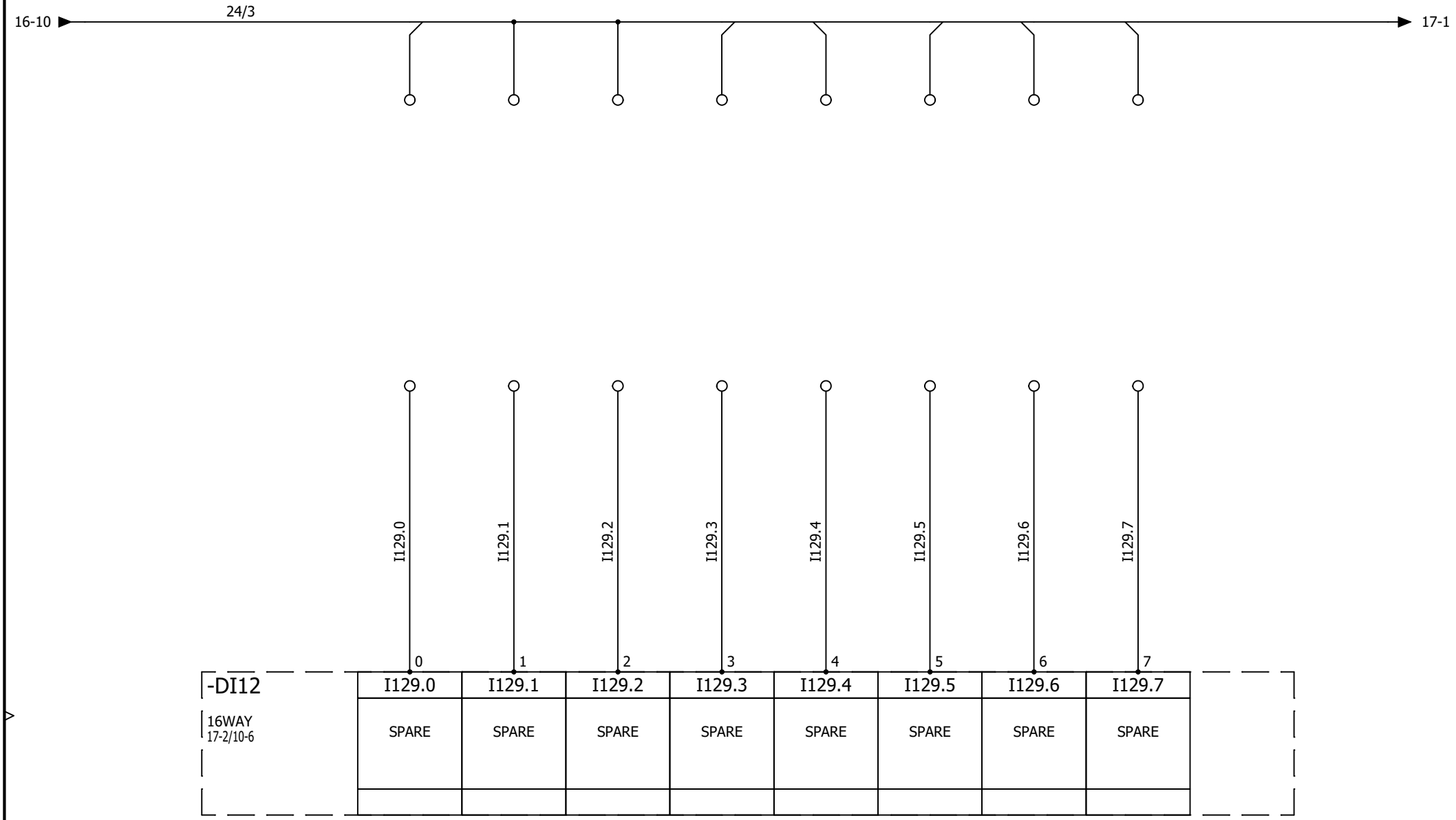
User data 1

User data 2

REVISION 0

SCHEME 17

1	2	3	4	5	6	7	8	9	10



AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP
A A C Theatre Systems

Control Panel 1

DIGITAL INPUTS 2.2

REV.	DATE	NAME	CHANGES
0	10/06/2025	TW	

User data 1

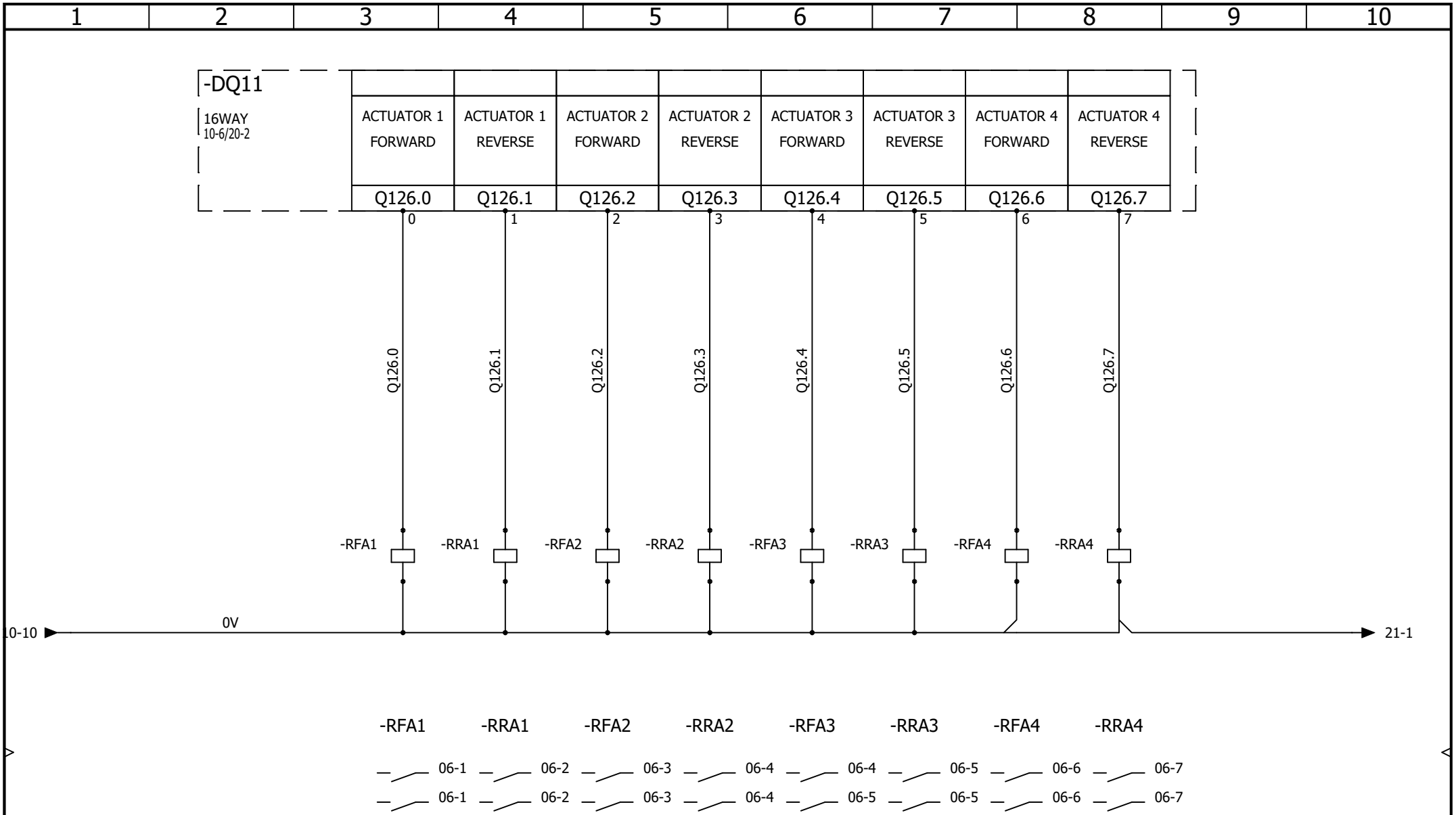
User data 2

REVISION 0

SCHEME 18

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L1 Control Panel 1



AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

CONTRACT: 2395 - PALACE - NIKE

Control Panel 1

DIGTIAL OUTPUTS 1.1

LOCATION: +L1 Control Panel 1

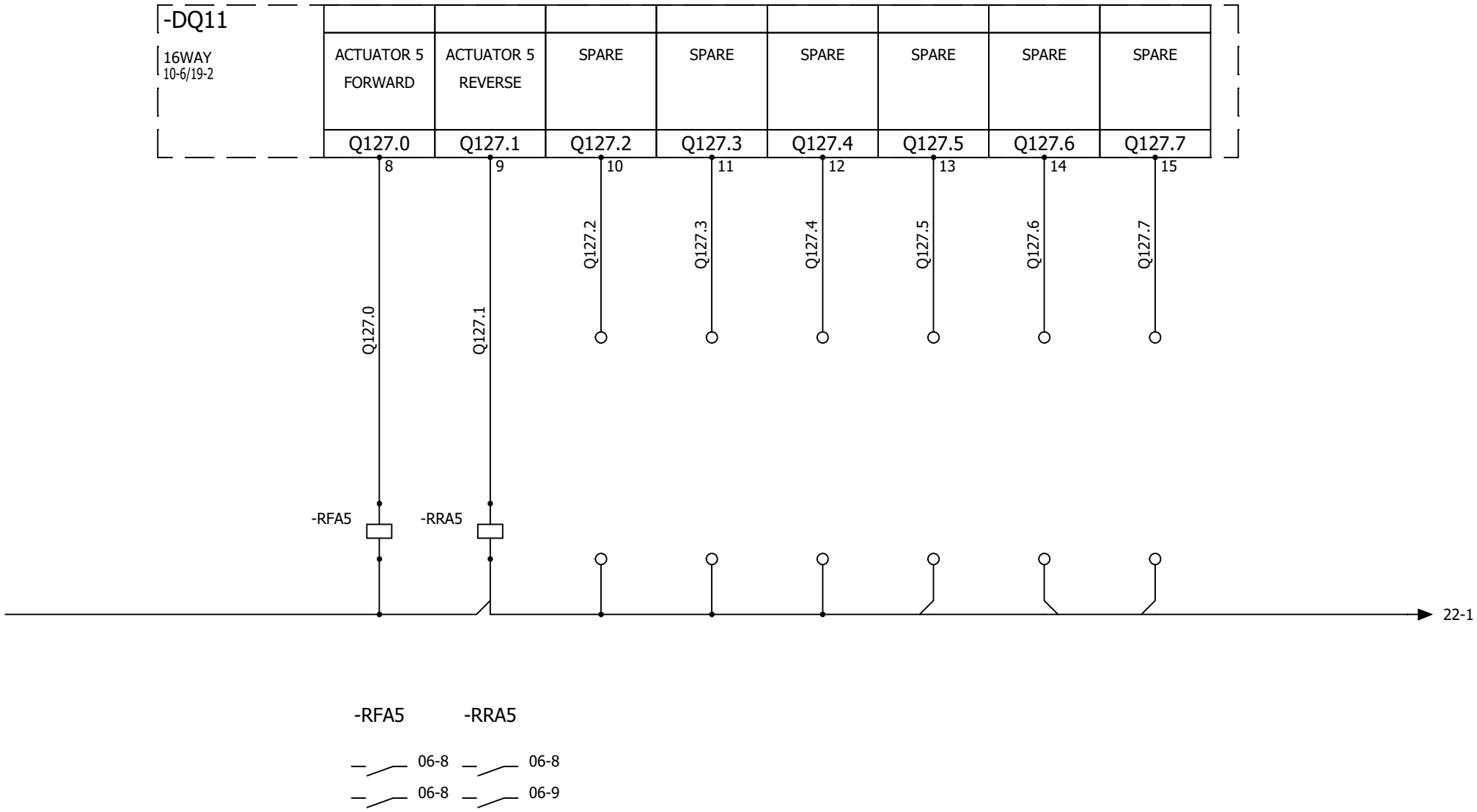
REV.	DATE	NAME	CHANGES
0	23/05/2025	TW	

User data 1

User data 2

REVISION 0

SCHEME 19



AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

CONTRACT: 2395 - PALACE - NIKE

Control Panel 1

DIGTIAL OUTPUTS 1.2

LOCATION: +L1 Control Panel 1

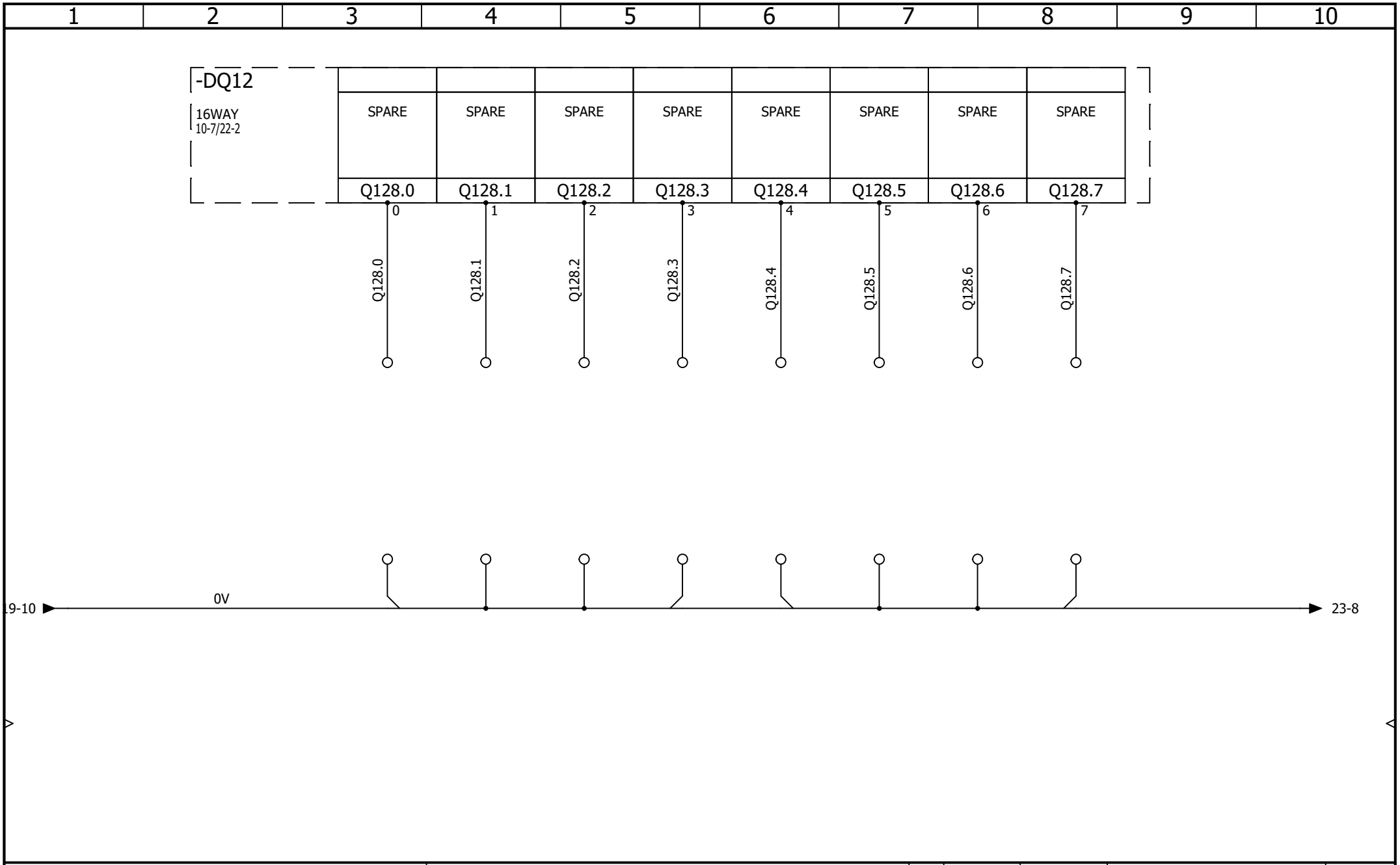
REV.	DATE	NAME	CHANGES
0	27/05/2025	TW	

User data 1

User data 2

REVISION 0

SCHEME 20



AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

CONTRACT: 2395 - PALACE - NIKE

Control Panel 1

DIGTIAL OUTPUTS 2.1

LOCATION: +L1 Control Panel 1

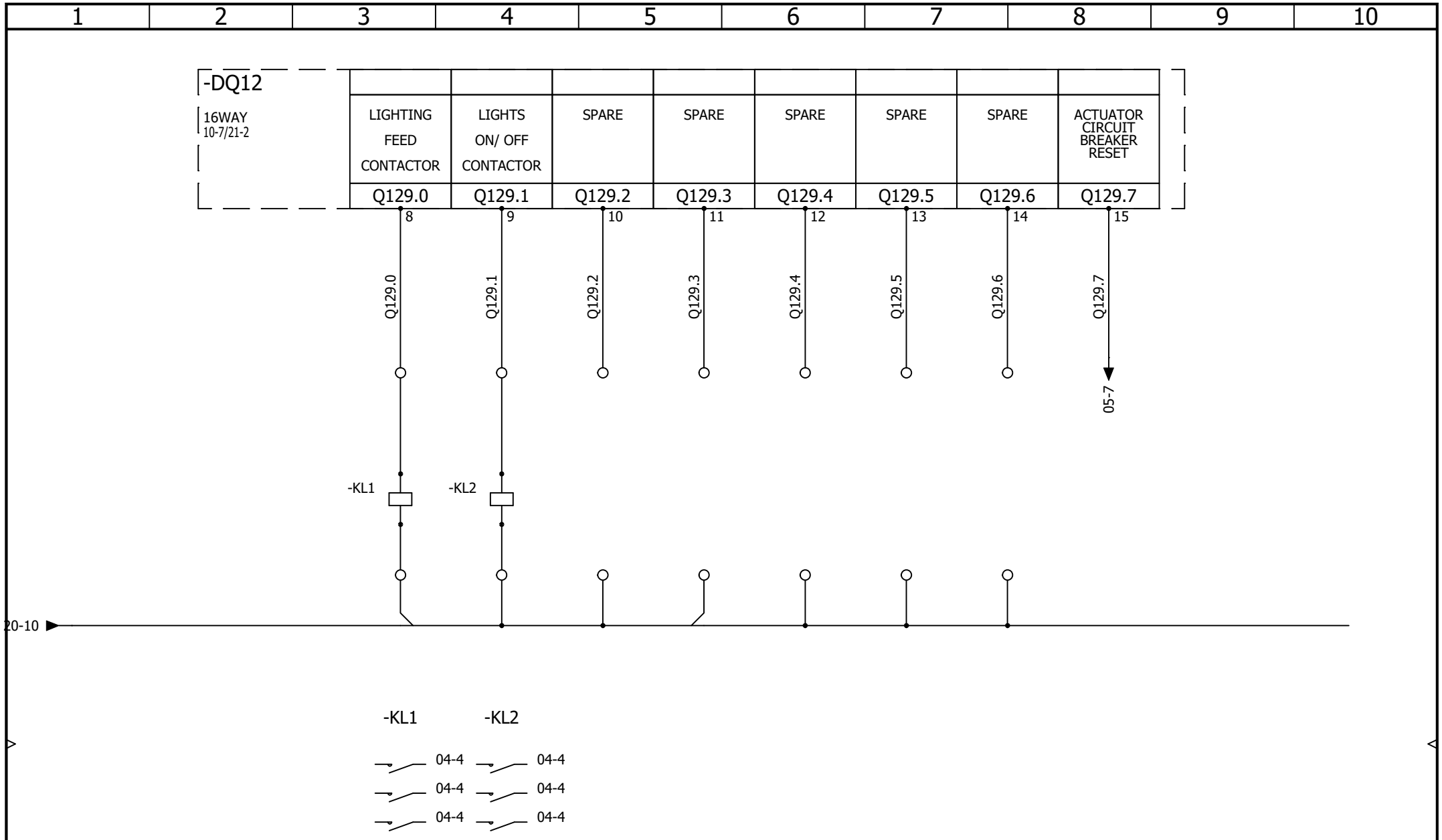
REV.	DATE	NAME	CHANGES
0	27/05/2025	TW	

User data 1

User data 2

REVISION 0

SCHEME 21



AAC Theatre Systems
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

CONTRACT: 2395 - PALACE - NIKE

Control Panel 1

DIGTIAL OUTPUTS 2.2

LOCATION: +L1 Control Panel 1

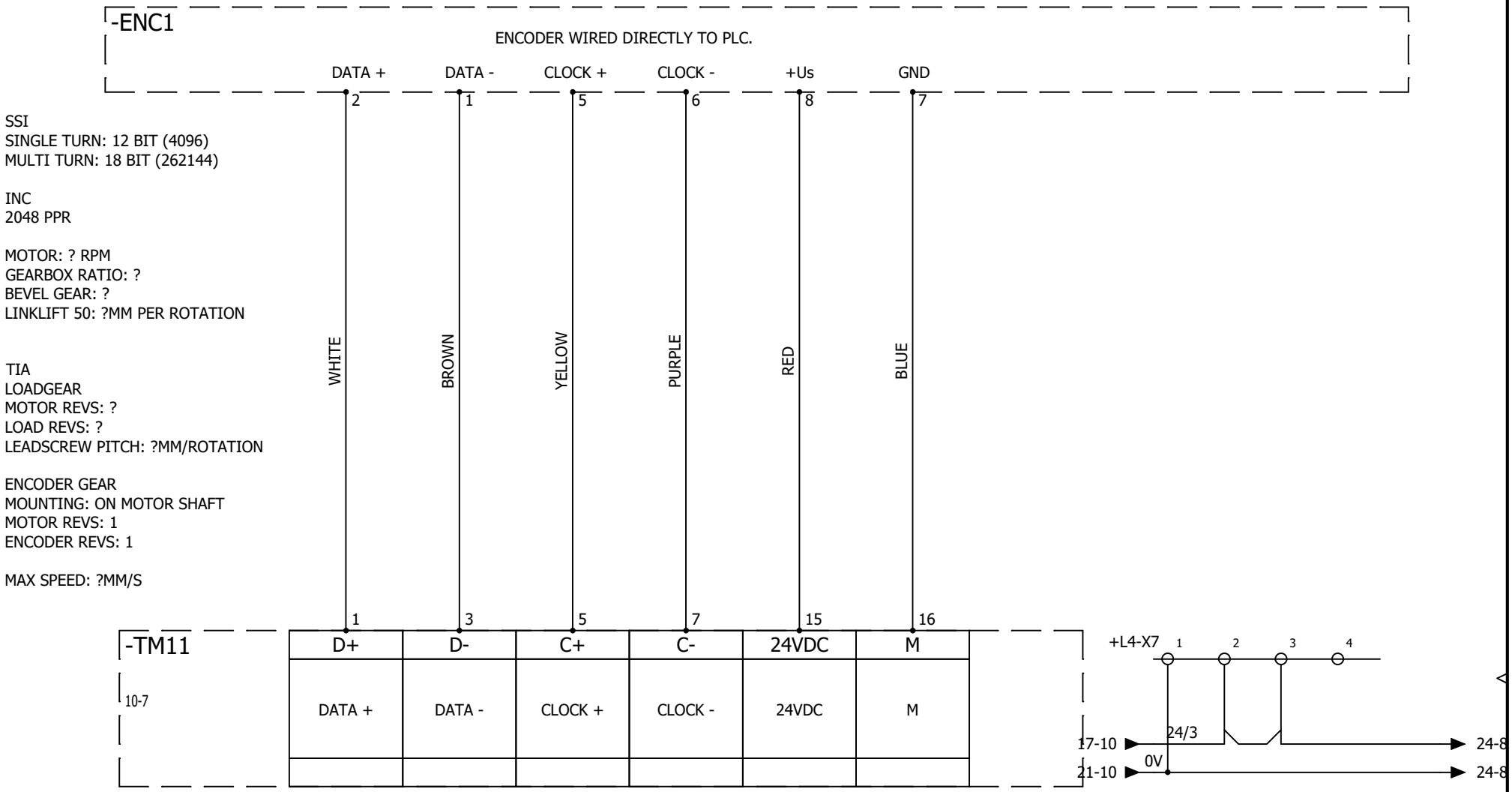
REV.	DATE	NAME	CHANGES
0	27/05/2025	TW	

User data 1

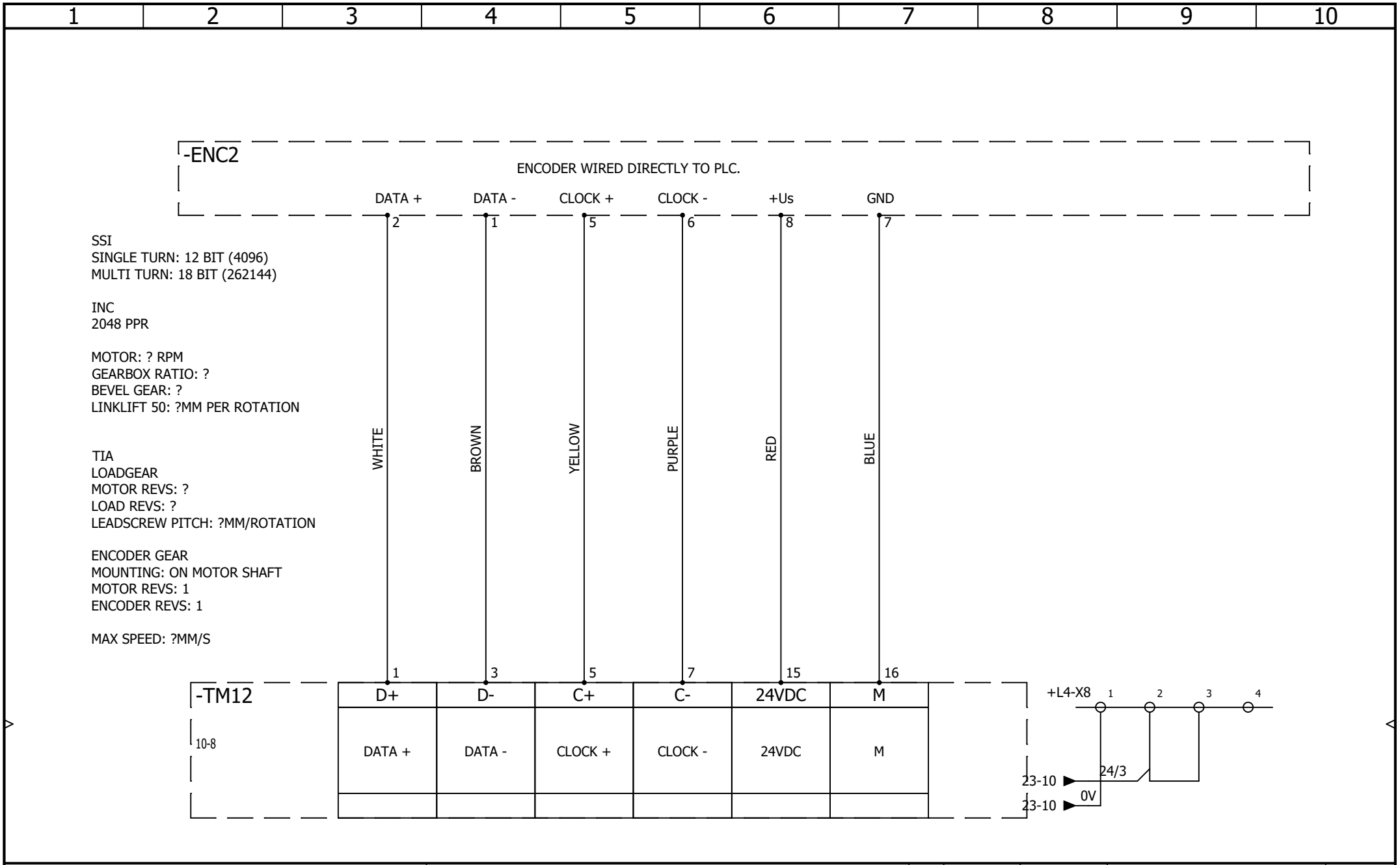
User data 2

REVISION 0

SCHEME 22



AAC Theatre Systems Unit 2, Brunel Business Court Brunel Way, Thetford, Norfolk IP24 1HP	Control Panel 1 ENCODER INPUT 1						REVISION 0
		0	13/02/2025	TW			SCHEME 23
		REV.	DATE	NAME	CHANGES		
CONTRACT: 2395 - PALACE - NIKE	LOCATION: +L1 Control Panel 1	User data 1			User data 2		



AAC Theatre Systems
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Brunel Way, Thetford, Norfolk IP24 1HP

CONTRACT: 2395 - PALACE - NIKE

Control Panel 1
ENCODER INPUT 2

LOCATION: +L1 Control Panel 1

REV.	DATE	NAME	CHANGES
0	13/02/2025	TW	

User data 1 User data 2

REVISION 0

SCHEME 24