

# PALACE

# NIKE

# CONTROL PANEL 2

# 2395



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

Control Panel 2  
 Cover Page

				REVISION
				0
0	27/05/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	01
User data 1			User data 2	

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2

Control Panel 2

3-Control Panel 2

Drawing	Description	Function	Location	Revision	Date	Created by
<a href="#">01</a>	Cover Page	=F1	+L2	0	27/05/2025	TW
<a href="#">02</a>	Drawings list	=F1	+L2	0	27/05/2025	TW
<a href="#">03</a>	Drawings list	=F1	+L2	0	27/05/2025	TW
<a href="#">04</a>	POWER DISTRIBUTION	=F1	+L2	0	27/05/2025	TW
<a href="#">05</a>	ACTUATOR SUPPLIES	=F1	+L2	0	27/05/2025	TW
<a href="#">06</a>	ACTUATOR CONTROL	=F1	+L2	0	27/05/2025	TW
<a href="#">07</a>	MOTOR 3 AND BRAKE CONTROL	=F1	+L2	0	27/05/2025	TW
<a href="#">08</a>	MOTOR 4 AND BRAKE CONTROL	=F1	+L2	0	27/05/2025	TW
<a href="#">09</a>	PANEL NETWORK	=F1	+L2	0	27/05/2025	TW
<a href="#">10</a>	REMOTE IO LAYOUT	=F1	+L2	0	27/05/2025	TW
<a href="#">11</a>	FAILSAFE DIGITAL INPUTS 1	=F1	+L2	0	27/05/2025	TW
<a href="#">12</a>	FAILSAFE DIGITAL INPUTS 2	=F1	+L2	0	27/05/2025	TW
<a href="#">13</a>	FAILSAFE DIGITAL INPUTS 3	=F1	+L2	0	27/05/2025	TW
<a href="#">14</a>	FAILSAFE DIGITAL OUTPUTS 1.1	=F1	+L2	0	27/05/2025	TW
<a href="#">15</a>	DIGITAL INPUTS 1.1	=F1	+L2	0	27/05/2025	TW
<a href="#">16</a>	DIGITAL INPUTS 1.2	=F1	+L2	0	27/05/2025	TW
<a href="#">17</a>	DIGITAL INPUTS 2.1	=F1	+L2	0	10/06/2025	TW
<a href="#">18</a>	DIGITAL INPUTS 2.2	=F1	+L2	0	10/06/2025	TW
<a href="#">19</a>	DIGITAL OUTPUTS 1.1	=F1	+L2	0	27/05/2025	TW
<a href="#">20</a>	DIGITAL OUTPUTS 1.2	=F1	+L2	0	27/05/2025	TW



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

**Control Panel 2**  
 Drawings list

				REVISION
				0
0	27/05/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	
				02

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2

Control Panel 2

1

2

3

4

5

6

7

8

9

10

-&gt; 3-Control Panel 2

Drawing	Description	Function	Location	Revision	Date	Created by
<a href="#">21</a>	DIGTIAL OUTPUTS 2.1	=F1	+L2	0	27/05/2025	TW
<a href="#">22</a>	DIGTIAL OUTPUTS 2.2	=F1	+L2	0	27/05/2025	TW
<a href="#">23</a>	ENCODER INPUT 3	=F1	+L2	0	27/05/2025	TW
<a href="#">24</a>	ENCODER INPUT 4	=F1	+L2	0	27/05/2025	TW



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

### Control Panel 2 Drawings list

REV.	DATE	NAME	CHANGES	REVISION
0	27/05/2025	TW		0
				SCHEME
				03

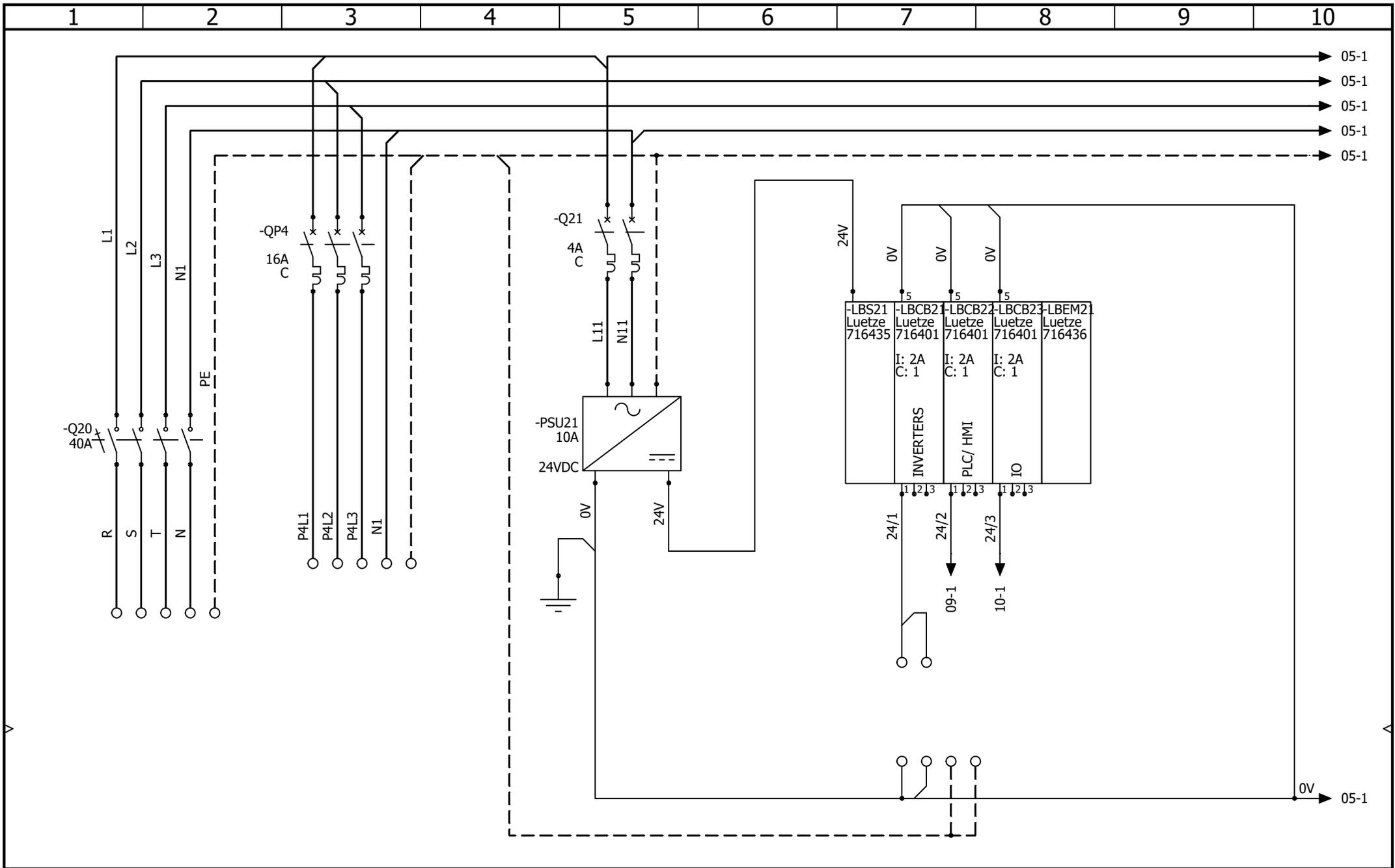
CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2

Control Panel 2

User data 1

User data 2



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

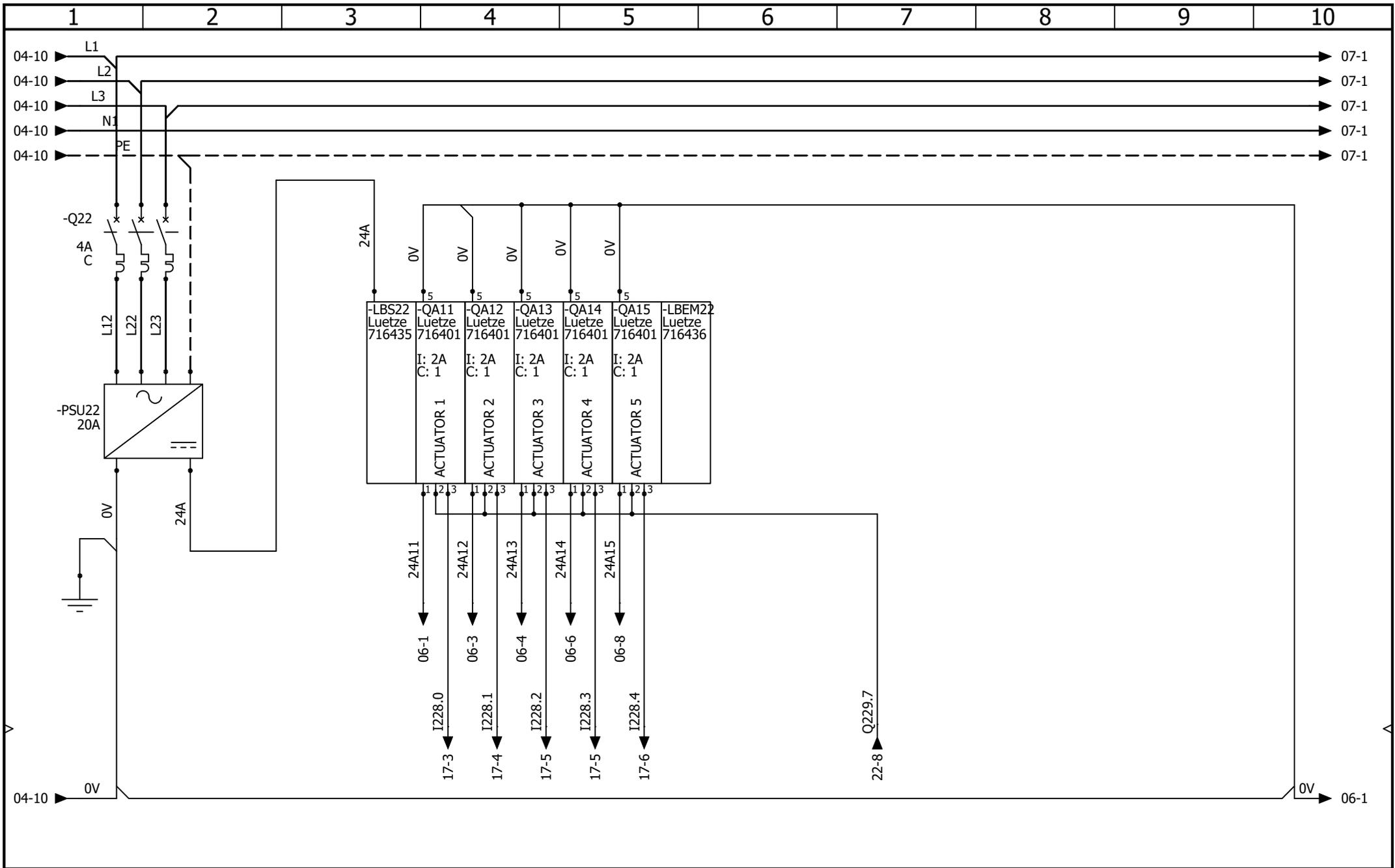
CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2

**Control Panel 2**  
**POWER DISTRIBUTION**

Control Panel 2

				REVISION
				0
0	27/05/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	04
User data 1			User data 2	



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

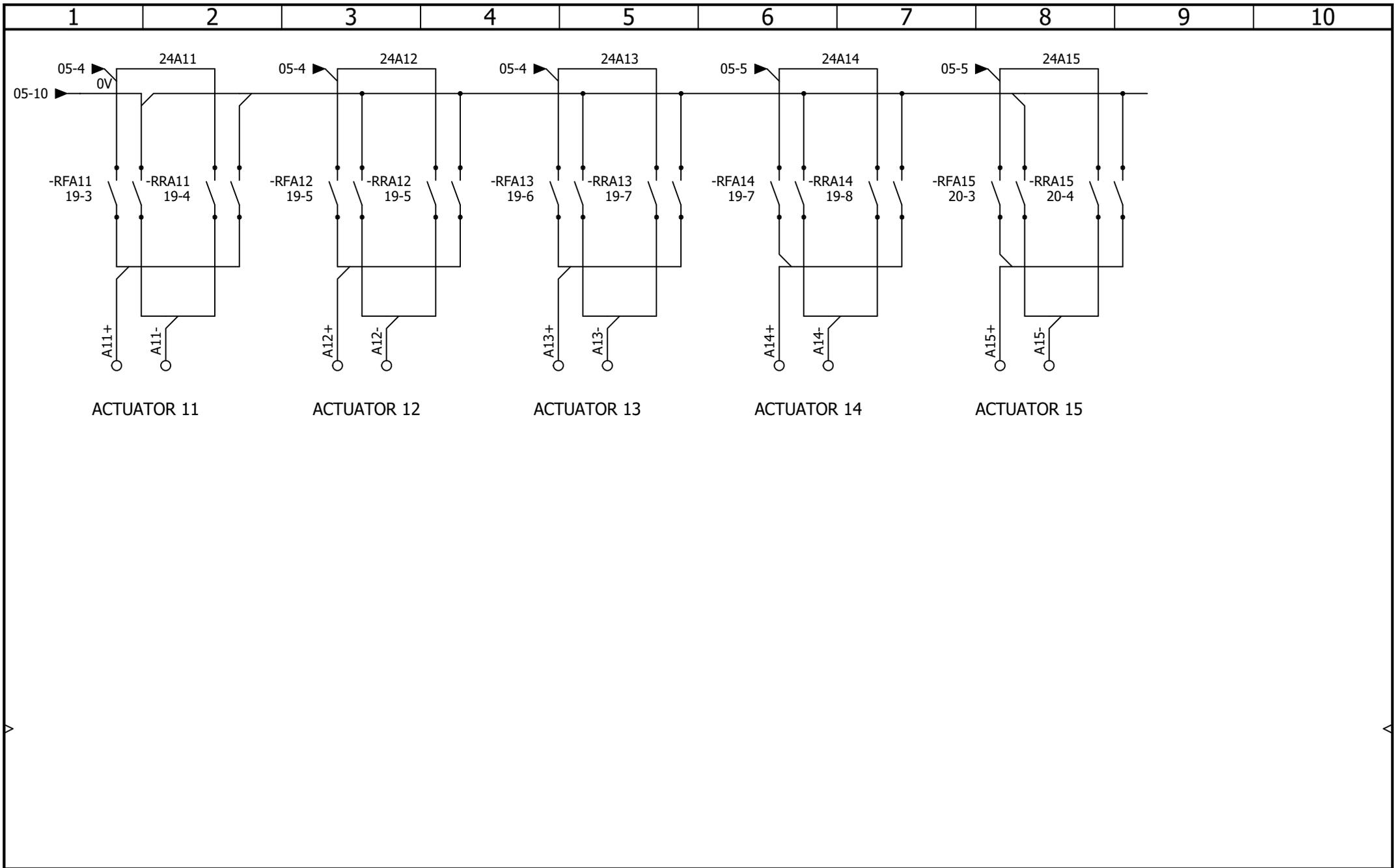
**Control Panel 2  
 ACTUATOR SUPPLIES**

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2

Control Panel 2

				REVISION
				0
0	27/05/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
				05
User data 1			User data 2	



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

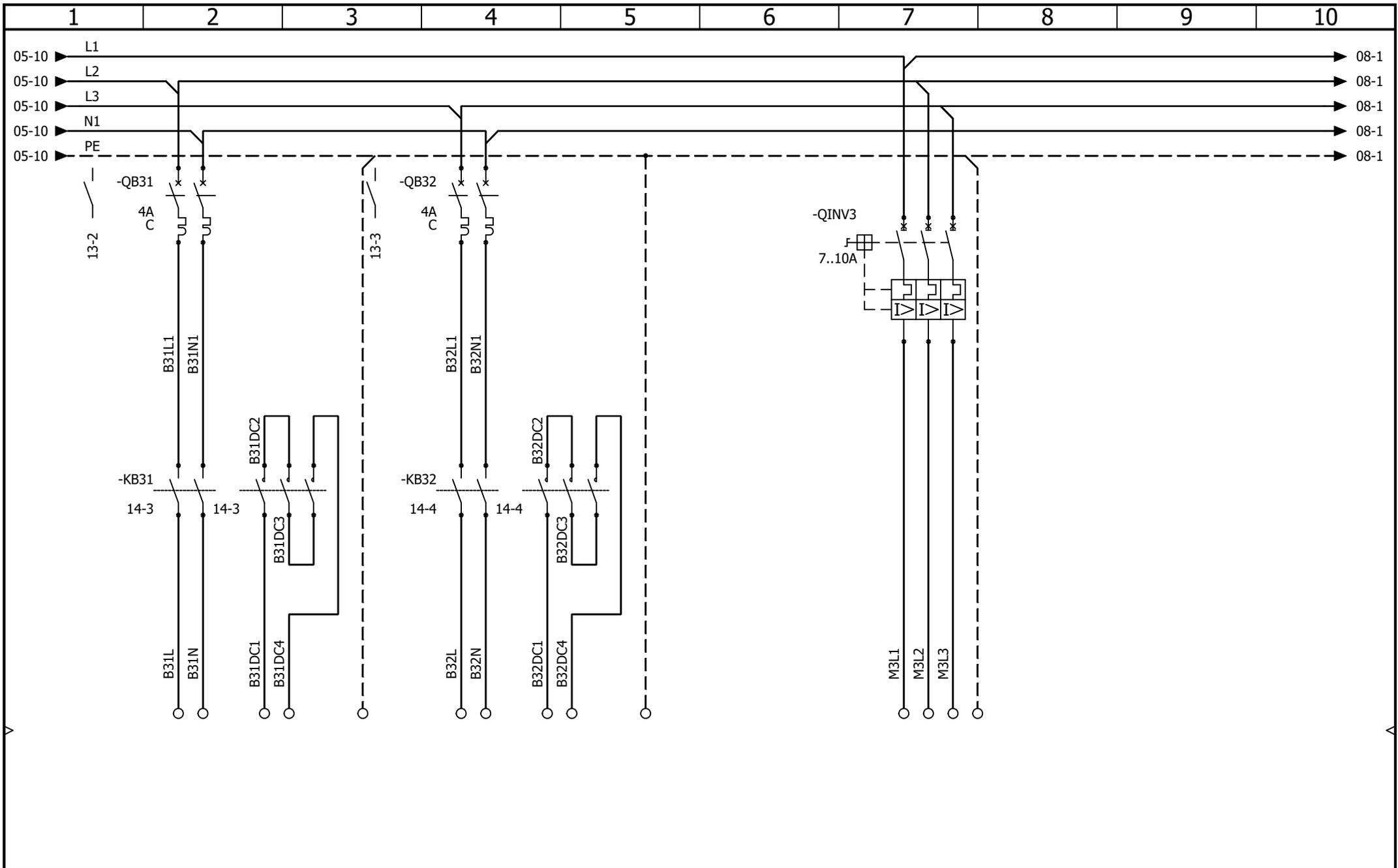
**Control Panel 2**  
**ACTUATOR CONTROL**

CONTRACT: 2395 - PALACE - NIKE

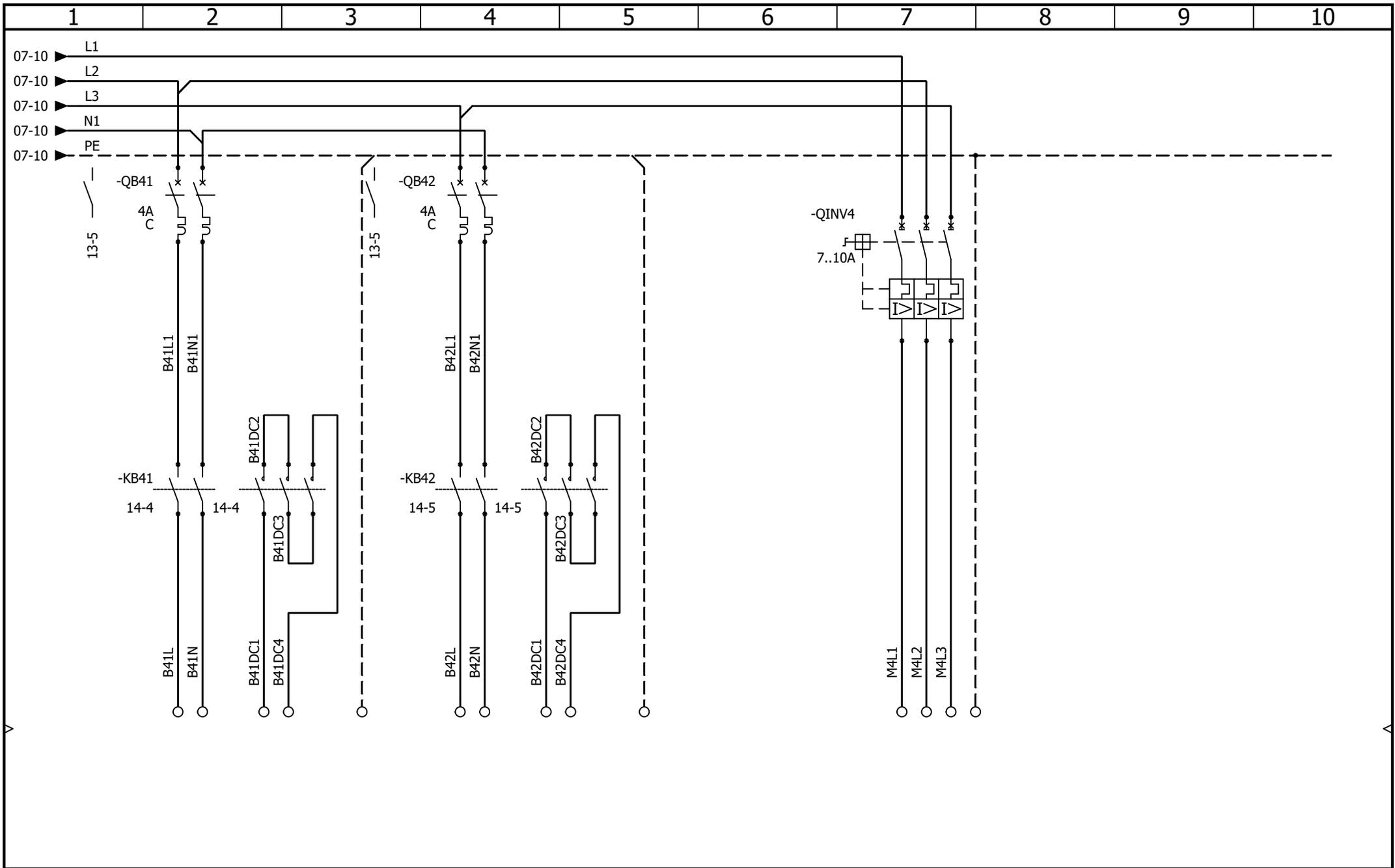
LOCATION: +L2

Control Panel 2

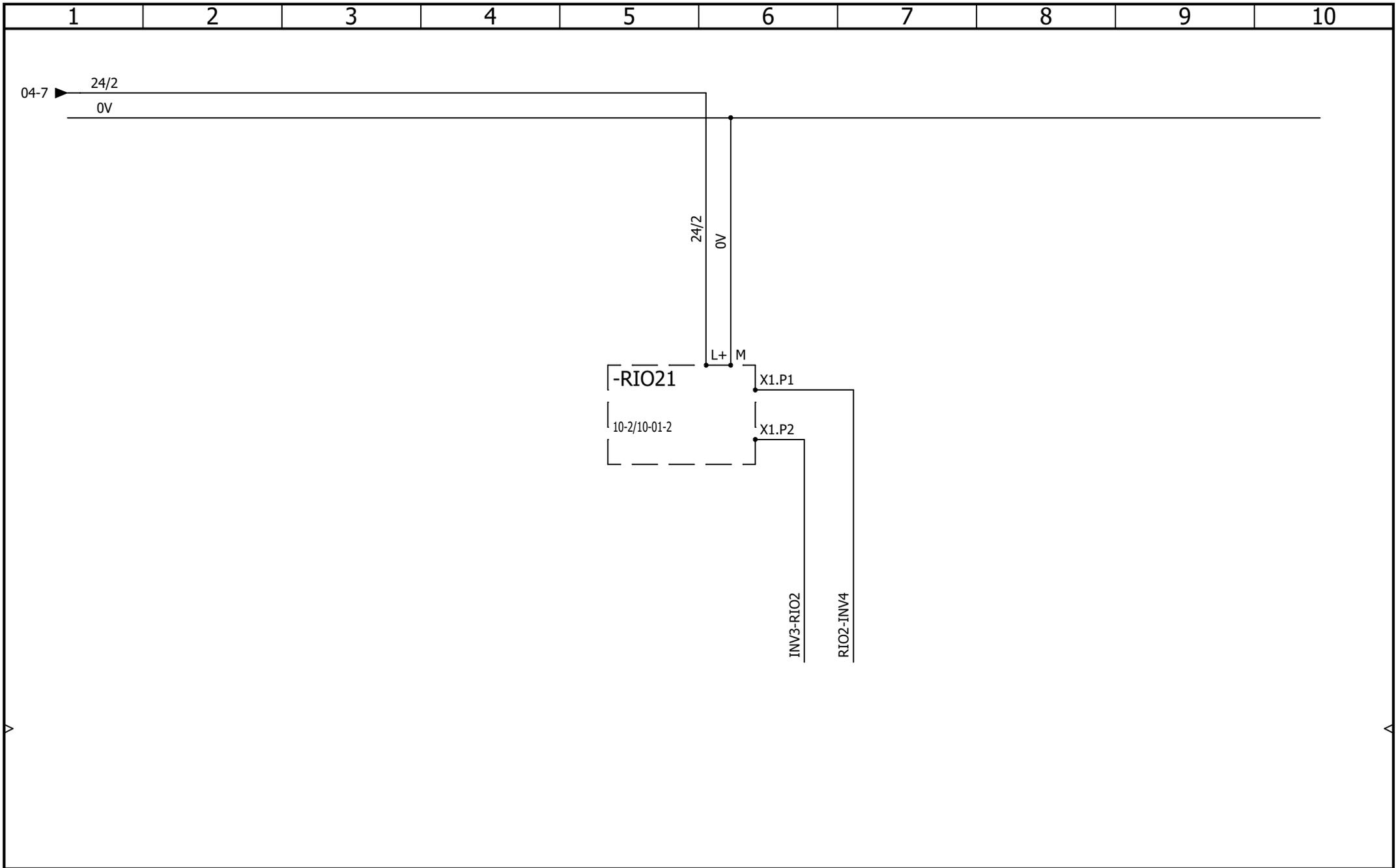
				REVISION
				0
0	27/05/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	06



 <b>AAC Technical Services Ltd</b> Unit 2, Brunel Business Court Brunel Way, Thetford, Norfolk IP24 1HP	<b>Control Panel 2</b> <b>MOTOR 3 AND BRAKE CONTROL</b>			REVISION
				0
	0	27/05/2025	TW	
	REV.	DATE	NAME	CHANGES
CONTRACT: 2395 - PALACE - NIKE	LOCATION: +L2	Control Panel 2	User data 1	User data 2 SCHEME <b>07</b>



 <b>AAC Technical Services Ltd</b> Unit 2, Brunel Business Court Brunel Way, Thetford, Norfolk IP24 1HP	<b>Control Panel 2</b> <b>MOTOR 4 AND BRAKE CONTROL</b>			REVISION
				0
	0	27/05/2025	TW	
	REV.	DATE	NAME	CHANGES
CONTRACT: 2395 - PALACE - NIKE	LOCATION: +L2	Control Panel 2	User data 1	User data 2
				SCHEME 08



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

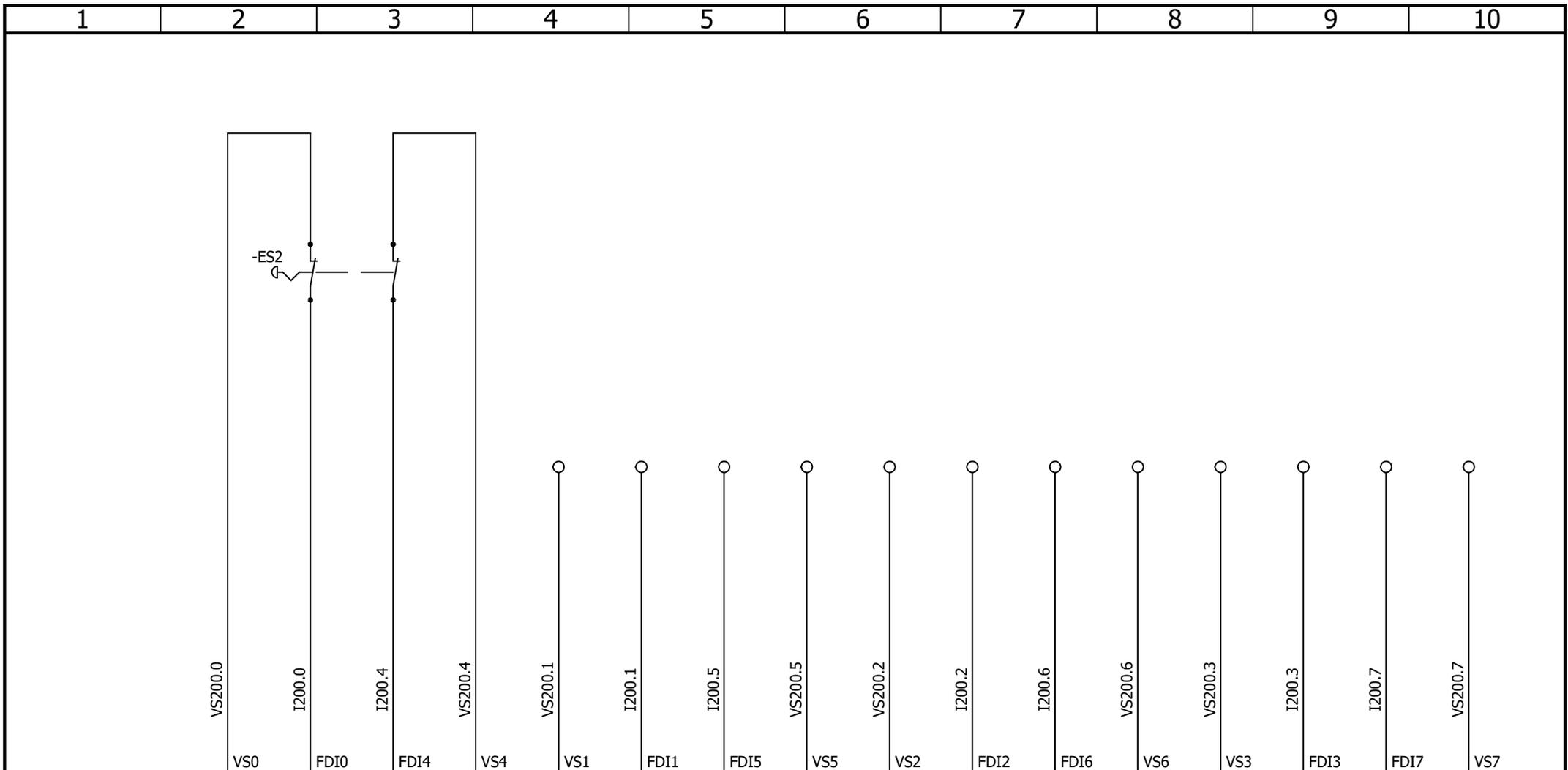
**Control Panel 2  
 PANEL NETWORK**

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2 Control Panel 2

				REVISION
				0
0	27/05/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	09





-FDI21 6ES7 136-6BA01-0CA0 8WAY 10-3	VS0	I200.0	I200.4	VS4	VS1	I200.1	I200.5	VS5	VS2	I200.2	I200.6	VS6	VS3	I200.3	I200.7	VS7
		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

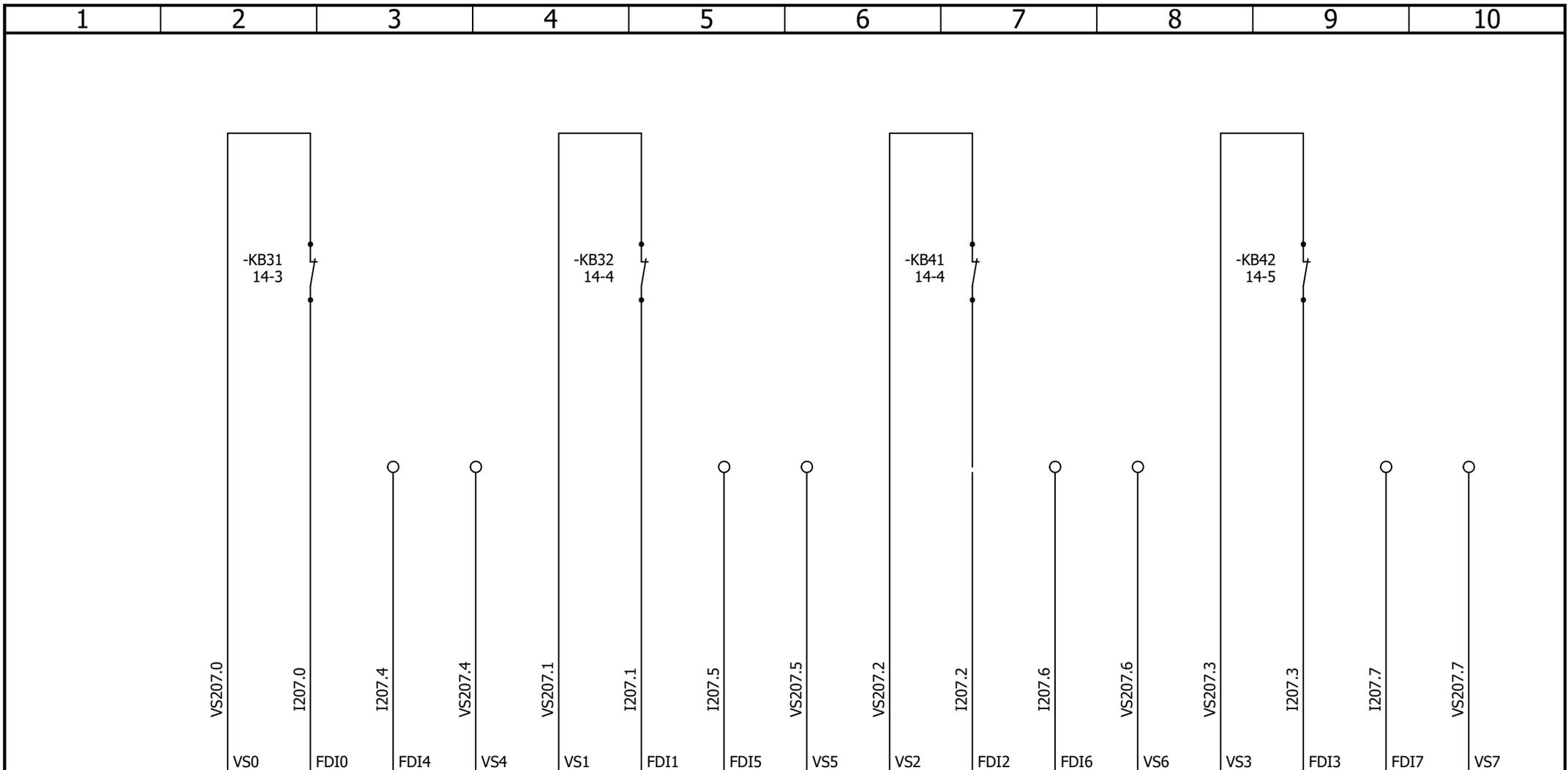
**Control Panel 2**  
**FAILSAFE DIGITAL INPUTS 1**

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2

Control Panel 2

				REVISION
				0
0	27/05/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	11



-FDI22 6ES7 136-6BA01-0CA0 8WAY 10-4	VS0	I207.0	I207.4	VS4	VS1	I207.1	I207.5	VS5	VS2	I207.2	I207.6	VS6	VS3	I207.3	I207.7	VS7
		MOTOR 3 BRAKE 1 CONTACTOR FEEDBACK	MOTOR 3 BRAKE 1 FEEDBACK			MOTOR 3 BRAKE 2 CONTACTOR FEEDBACK	MOTOR 3 BRAKE 2 FEEDBACK				MOTOR 4 BRAKE 1 CONTACTOR FEEDBACK	MOTOR 4 BRAKE 1 FEEDBACK			MOTOR 4 BRAKE 2 CONTACTOR FEEDBACK	MOTOR 4 BRAKE 2 FEEDBACK



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

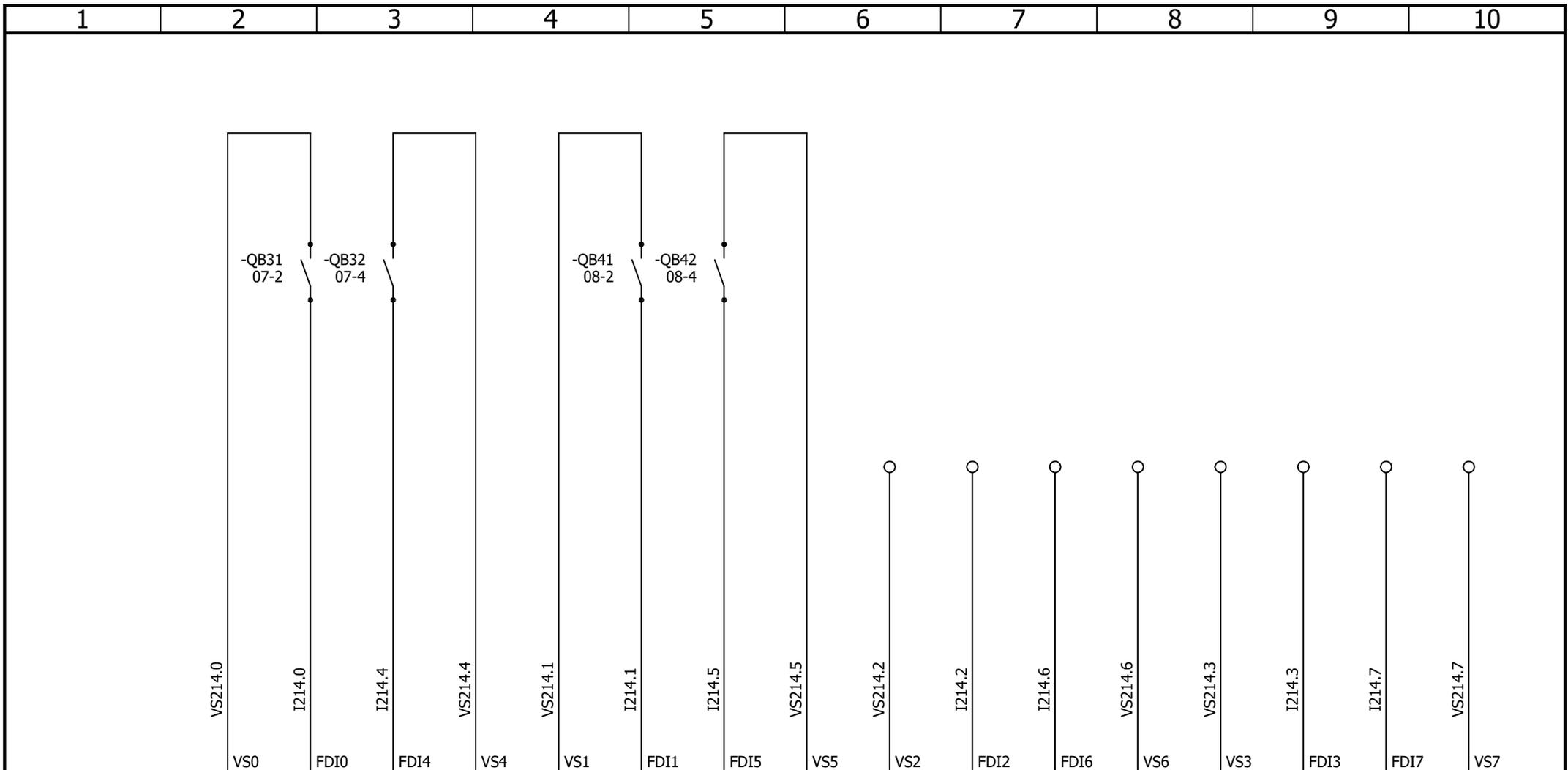
**Control Panel 2**  
**FAILSAFE DIGITAL INPUTS 2**

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2

Control Panel 2

				REVISION
				0
0	27/05/2025	TW		
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	
				SCHEME
				12



-FDI23 6ES7 136-6BA01-0CA0 8WAY 10-4	VS0	I214.0	I214.4	VS4	VS1	FDI1	FDI5	VS5	VS2	FDI2	FDI6	VS6	VS3	FDI3	FDI7	VS7
		MOTOR 3 BRAKE 1 CIRCUIT BREAKER AUX	MOTOR 3 BRAKE 2 CIRCUIT BREAKER AUX			MOTOR 4 BRAKE 1 CIRCUIT BREAKER AUX	MOTOR 4 BRAKE 2 CIRCUIT BREAKER AUX			SERAPID 3 ULTIMATE BOTTOM LIMIT	SERAPID 3 ULTIMATE TOP LIMIT			SERAPID 4 ULTIMATE BOTTOM LIMIT	SERAPID 4 ULTIMATE TOP LIMIT	



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

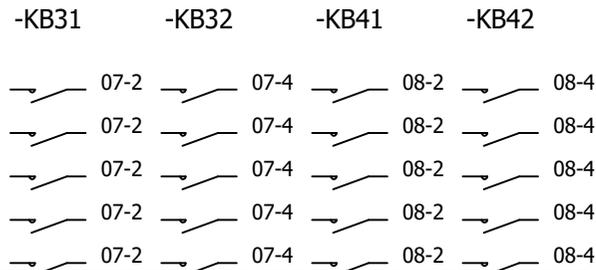
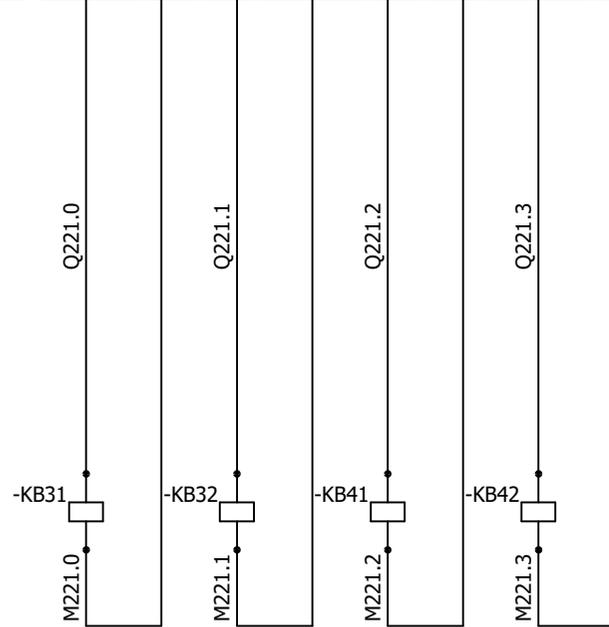
**Control Panel 2**  
**FAILSAFE DIGITAL INPUTS 3**

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2 Control Panel 2

				REVISION
				0
0	27/05/2025	TW		
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	
				SCHEME
				13

-FDQ21 6ES7 136-6BA01-0CA0 4WAY 10-5	MOTOR 3 BRAKE 1 CONTACTOR	MOTOR 3 BRAKE 2 CONTACTOR	MOTOR 4 BRAKE 1 CONTACTOR	MOTOR 4 BRAKE 2 CONTACTOR
	Q221.0	Q221.1	Q221.2	Q221.3

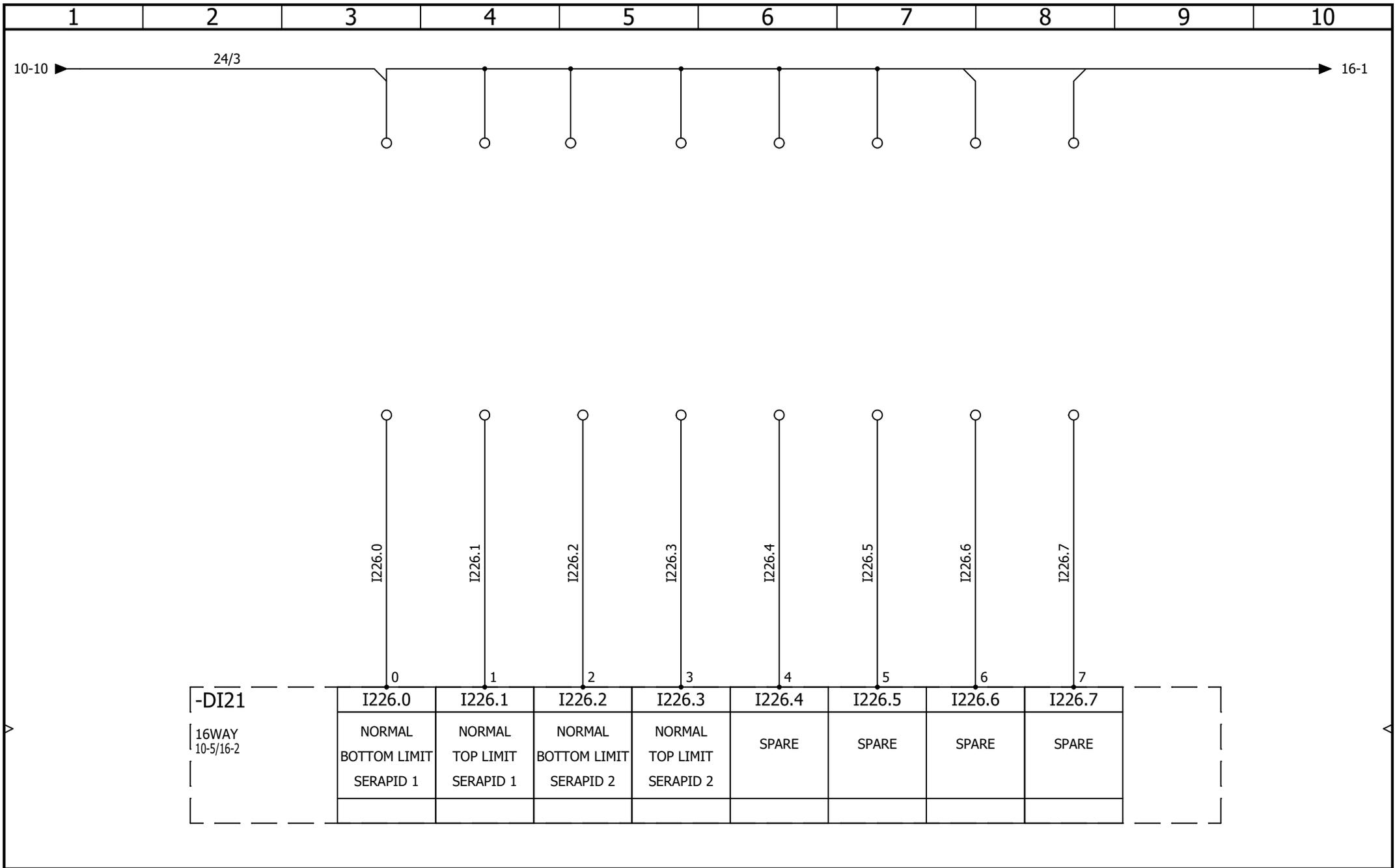


**AAC Theatre Systems**  
 Unit 2, Brunel Business Court  
 Brunel Way, Thetford, Norfolk IP24 1HP

12-2 12-5 **Control Panel 2**  
**FAILSAFE DIGITAL OUTPUTS 1.1**

0	27/05/2025	TW	
REV.	DATE	NAME	CHANGES
User data 1			User data 2

REVISION  
**0**  
 SCHEME  
**14**



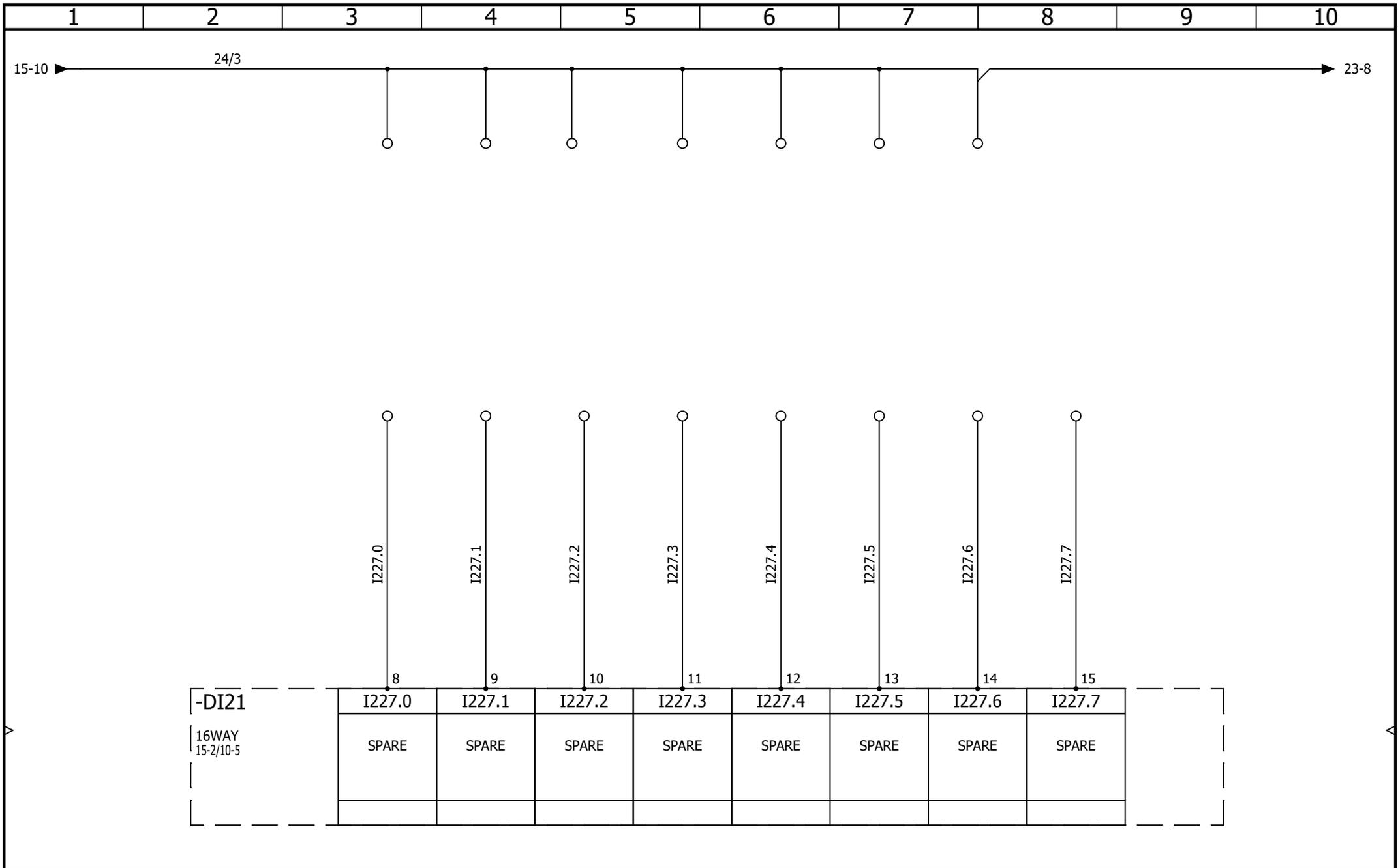
**AAC Theatre Systems**  
 Unit 2, Brunel Business Court  
 Brunel Way, Thetford, Norfolk IP24 1HP

**Control Panel 2**  
**DIGITAL INPUTS 1.1**

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2 Control Panel 2

				REVISION
				0
0	27/05/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	15



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

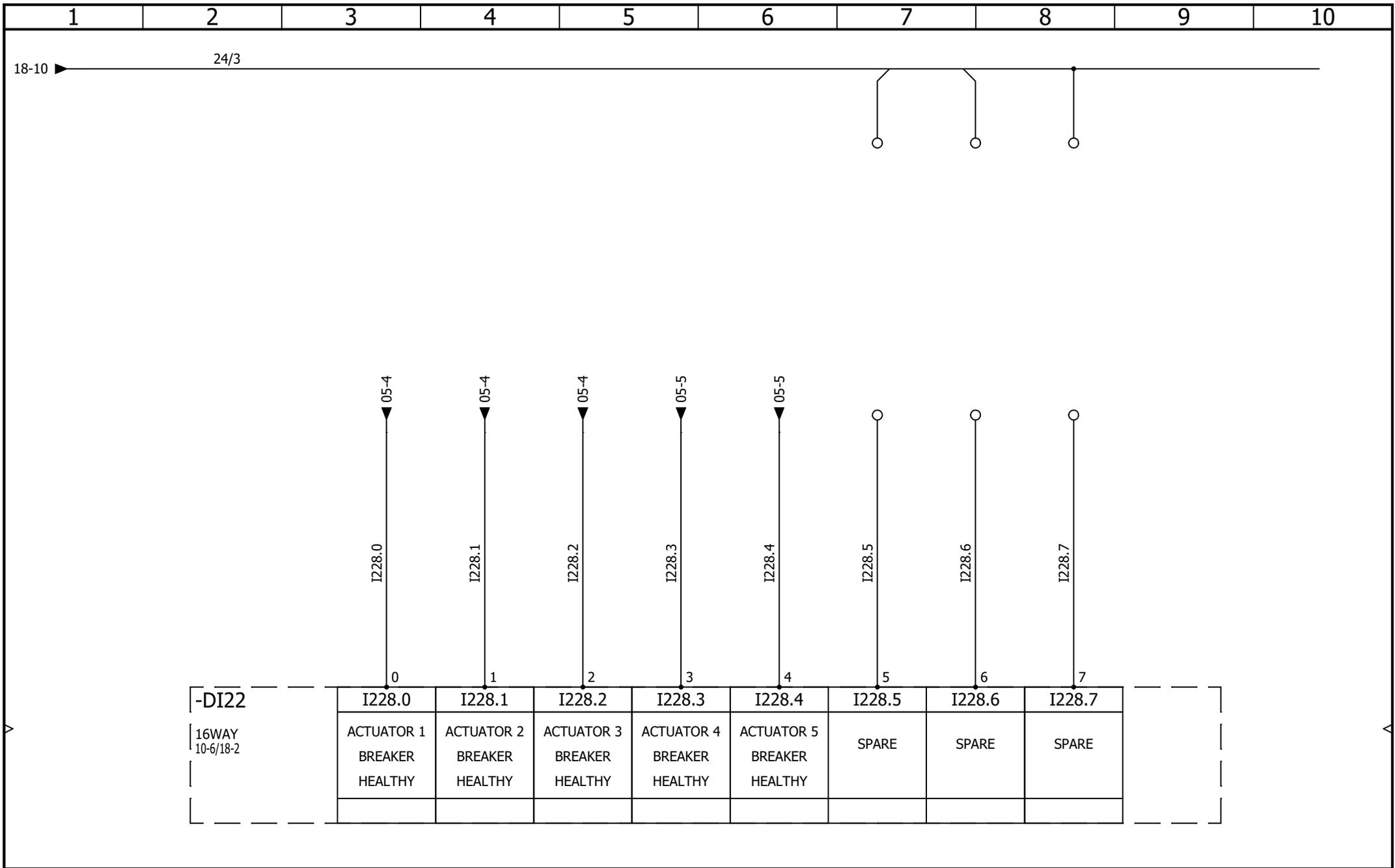
**Control Panel 2**  
**DIGITAL INPUTS 1.2**

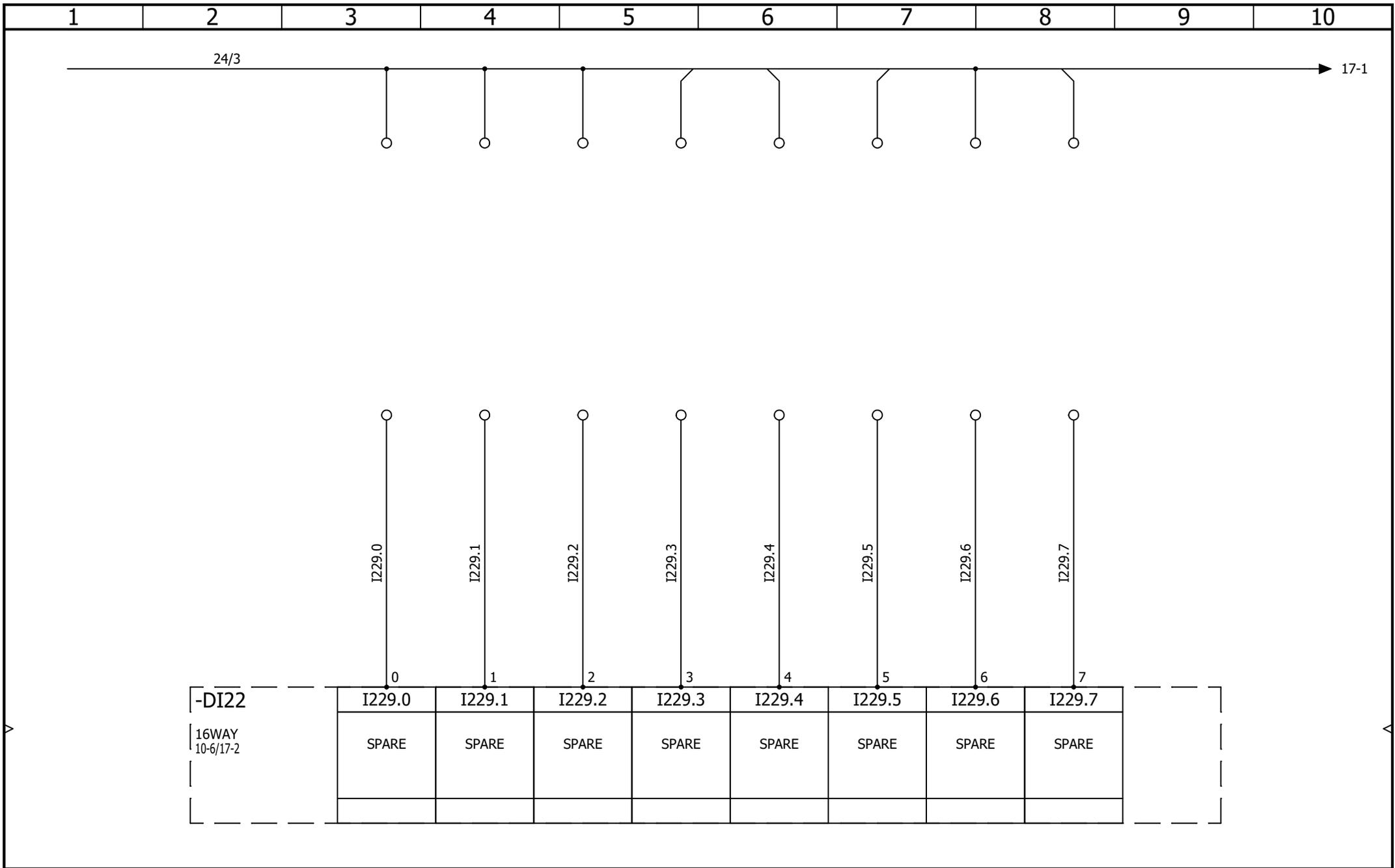
				REVISION
				0
0	27/05/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	16

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2

Control Panel 2





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

**Control Panel 2**  
**DIGITAL INPUTS 2.2**

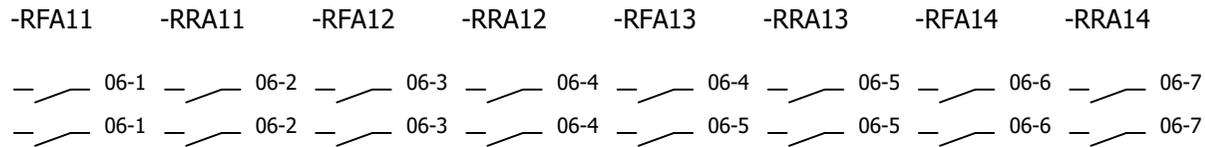
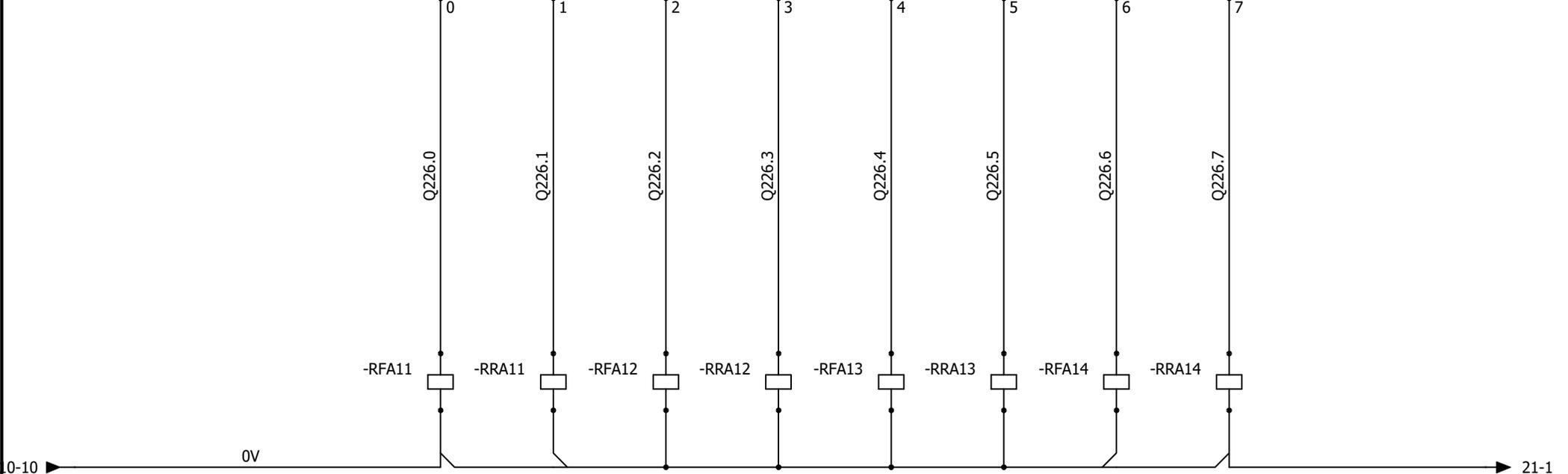
				REVISION
				0
0	10/06/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	18

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2

Control Panel 2

-DQ21							
16WAY 10-6/20-2							
ACTUATOR 11 FORWARD	ACTUATOR 11 REVERSE	ACTUATOR 12 FORWARD	ACTUATOR 12 REVERSE	ACTUATOR 13 FORWARD	ACTUATOR 13 REVERSE	ACTUATOR 14 FORWARD	ACTUATOR 14 REVERSE
Q226.0	Q226.1	Q226.2	Q226.3	Q226.4	Q226.5	Q226.6	Q226.7



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

**Control Panel 2**  
**DIGITAL OUTPUTS 1.1**

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

REVISION  
**0**  
 SCHEME  
**19**

CONTRACT: 2395 - PALACE - NIKE

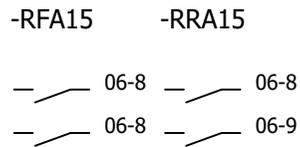
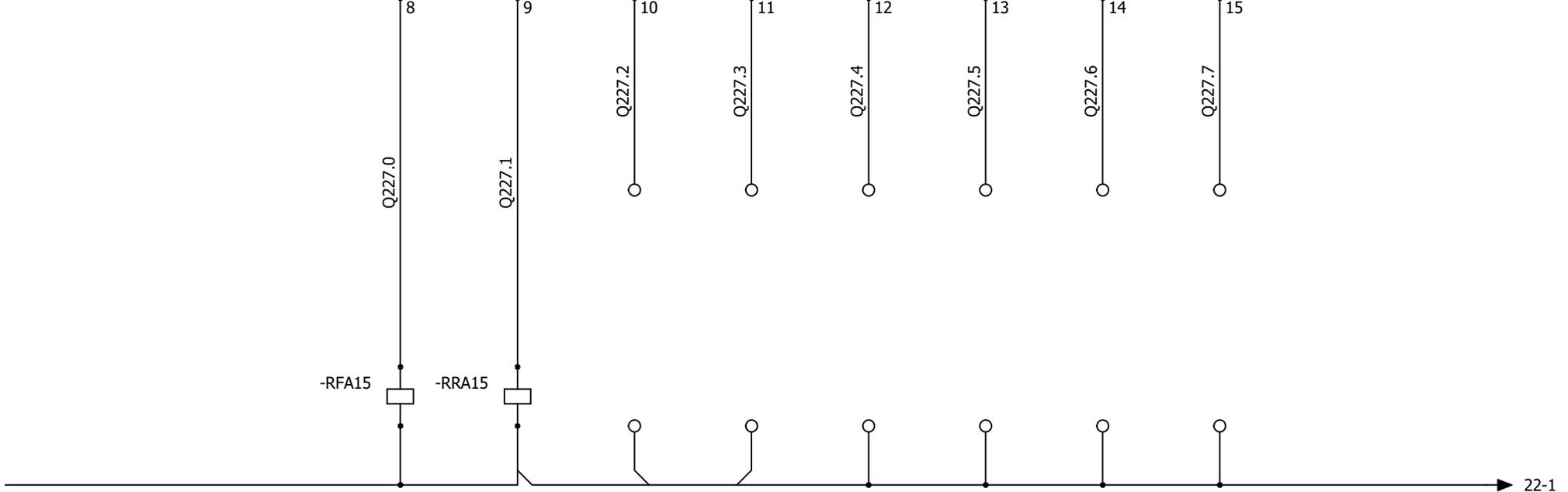
LOCATION: +L2

Control Panel 2

User data 1

User data 2

-DQ21							
ACTUATOR 15 FORWARD	ACTUATOR 15 REVERSE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE
Q227.0	Q227.1	Q227.2	Q227.3	Q227.4	Q227.5	Q227.6	Q227.7



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

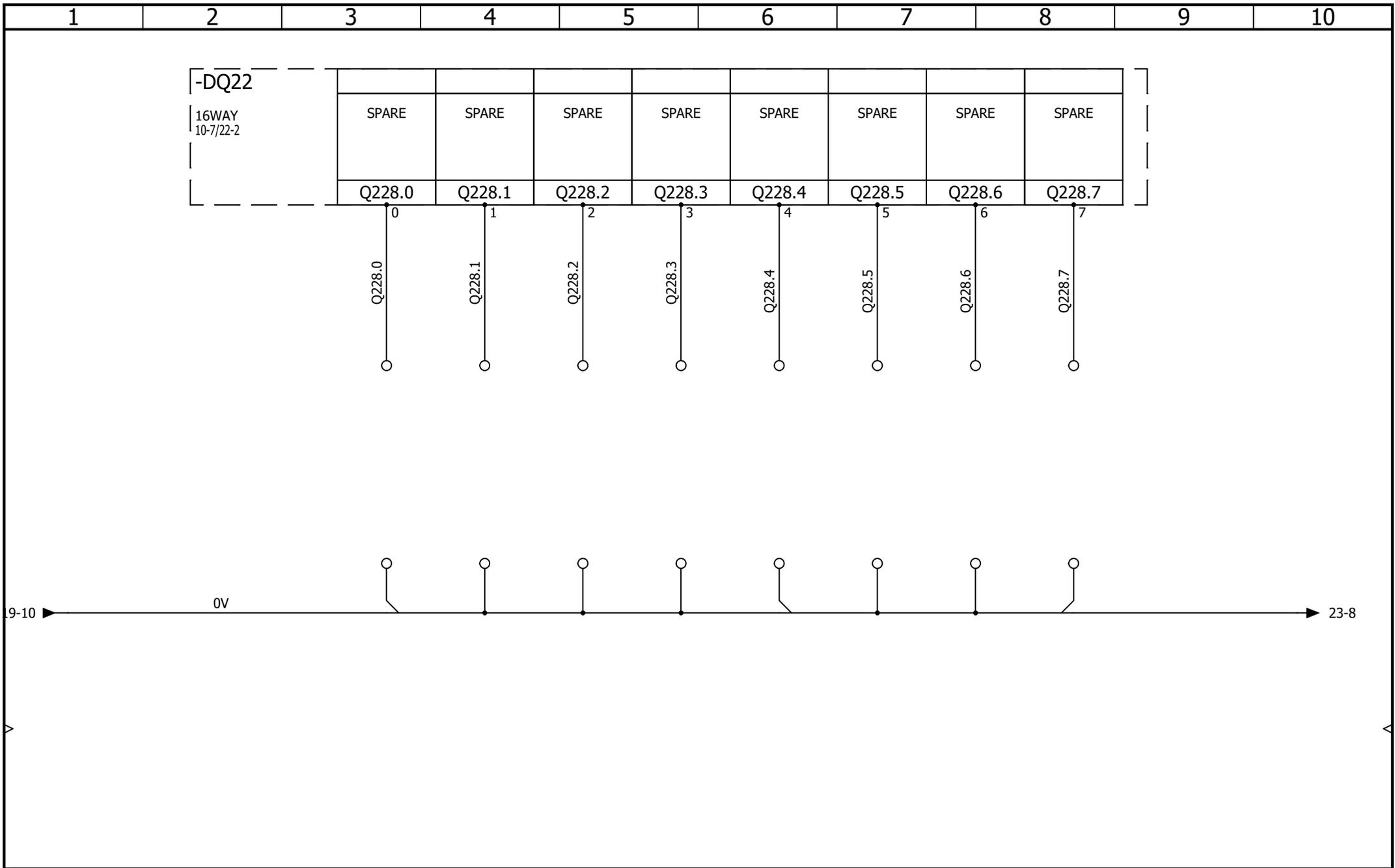
**Control Panel 2**  
**DIGITAL OUTPUTS 1.2**

				REVISION
				0
0	27/05/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	20

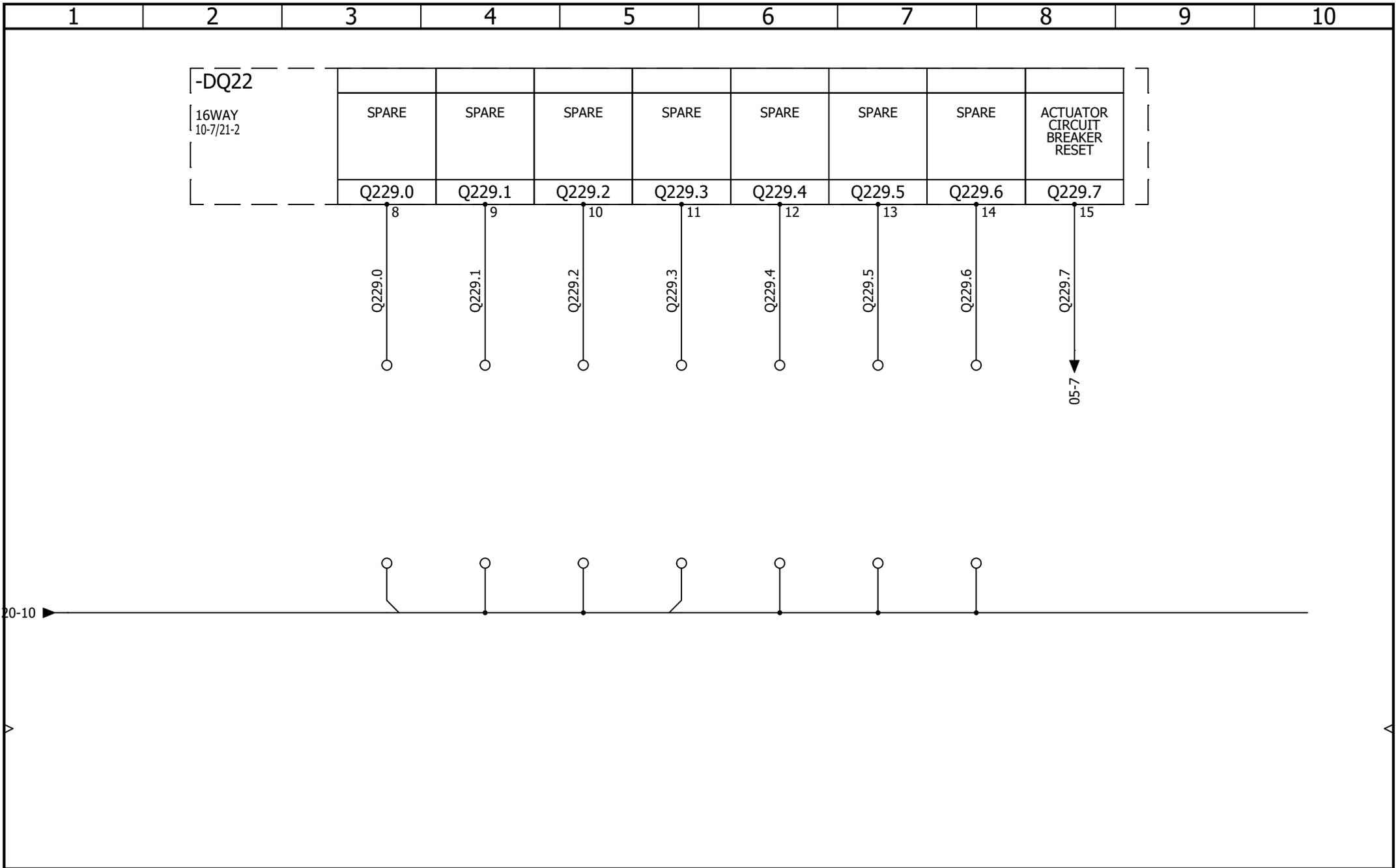
CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2

Control Panel 2



	<b>AAC Theatre Systems</b>	<b>Control Panel 2</b>			REVISION		
	Unit 2, Brunel Business Court	DIGITAL OUTPUTS 2.1			0		
	Brunel Way, Thetford, Norfolk IP24 1HP				SCHEME		
CONTRACT: 2395 - PALACE - NIKE	LOCATION: +L2	Control Panel 2	REV.	DATE	NAME	CHANGES	21
			User data 1		User data 2		



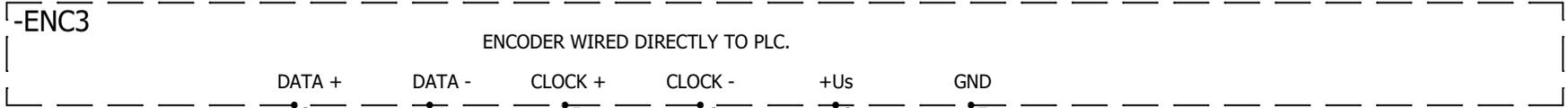
**AAC Theatre Systems**  
 Unit 2, Brunel Business Court  
 Brunel Way, Thetford, Norfolk IP24 1HP

**Control Panel 2**  
**DIGITAL OUTPUTS 2.2**

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2 Control Panel 2

				REVISION
				0
0	27/05/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	22



SSI  
 SINGLE TURN: 12 BIT (4096)  
 MULTI TURN: 18 BIT (262144)

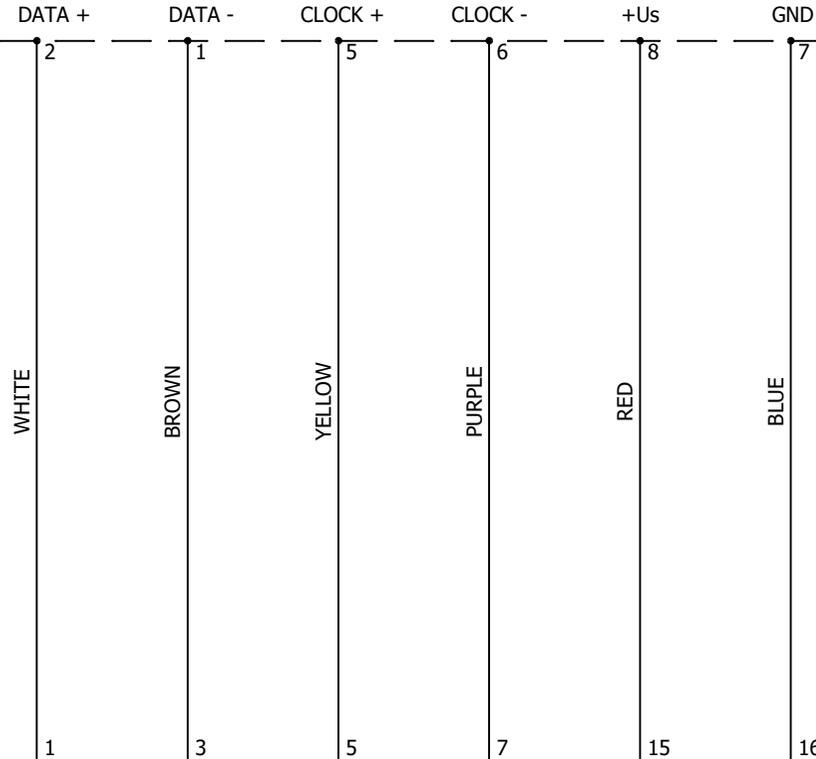
INC  
 2048 PPR

MOTOR: ? RPM  
 GEARBOX RATIO: ?  
 BEVEL GEAR: ?  
 LINKLIFT 50: ?MM PER ROTATION

TIA  
 LOADGEAR  
 MOTOR REVS: ?  
 LOAD REVS: ?  
 LEADSCREW PITCH: ?MM/ROTATION

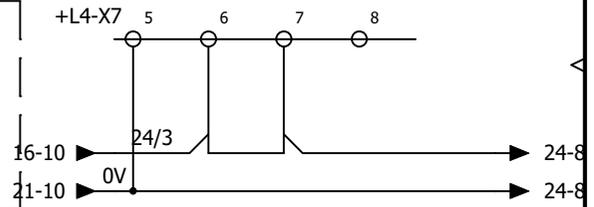
ENCODER GEAR  
 MOUNTING: ON MOTOR SHAFT  
 MOTOR REVS: 1  
 ENCODER REVS: 1

MAX SPEED: ?MM/S



-TM21

10-7	D+	D-	C+	C-	24VDC	M
	DATA +	DATA -	CLOCK +	CLOCK -	24VDC	M



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

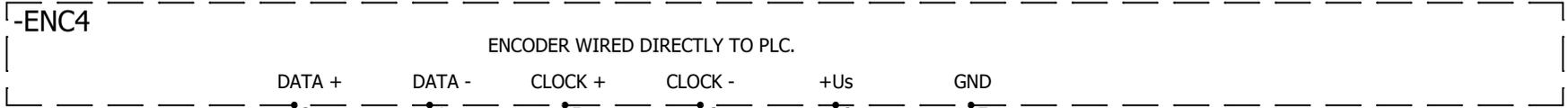
**Control Panel 2**  
**ENCODER INPUT 3**

0	27/05/2025	TW	
REV.	DATE	NAME	CHANGES
User data 1		User data 2	

REVISION  
**0**  
 SCHEME  
**23**

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2 Control Panel 2



SSI  
 SINGLE TURN: 12 BIT (4096)  
 MULTI TURN: 18 BIT (262144)

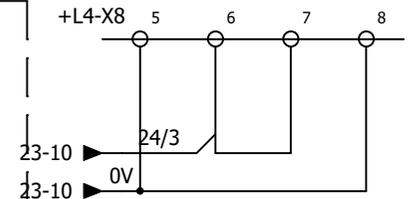
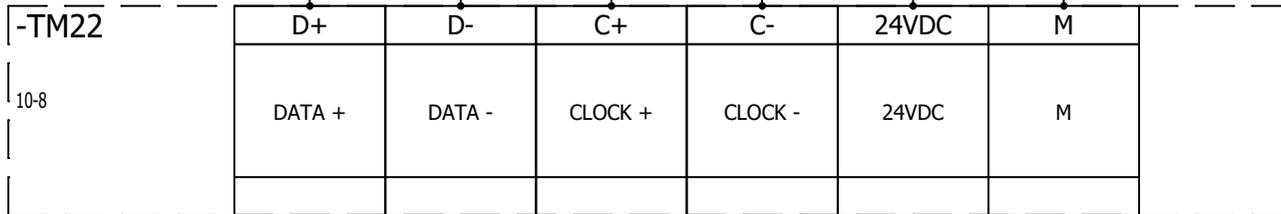
INC  
 2048 PPR

MOTOR: ? RPM  
 GEARBOX RATIO: ?  
 BEVEL GEAR: ?  
 LINKLIFT 50: ?MM PER ROTATION

TIA  
 LOADGEAR  
 MOTOR REVS: ?  
 LOAD REVS: ?  
 LEADSCREW PITCH: ?MM/ROTATION

ENCODER GEAR  
 MOUNTING: ON MOTOR SHAFT  
 MOTOR REVS: 1  
 ENCODER REVS: 1

MAX SPEED: ?MM/S



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

**Control Panel 2**  
**ENCODER INPUT 4**

0	27/05/2025	TW		REVISION
REV.	DATE	NAME	CHANGES	0
User data 1			User data 2	SCHEME
				24

CONTRACT: 2395 - PALACE - NIKE

LOCATION: +L2

Control Panel 2