

SERAPID

GILLIAN LYNNE

LIFT CONTROL SYSTEM

2492



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

Control Panel
 Cover Page

				REVISION
				0
0	19/09/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	01

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel

1-Control Panel

Drawing	Description	Function	Location	Revision	Date	Created by
01	Cover Page	=F1	+L1	0	19/09/2025	TW
02	Drawings list	=F1	+L1	0	19/09/2025	TW
03	Drawings list	=F1	+L1	0	26/09/2025	TW
04	POWER DISTRIBUTION	=F1	+L1	0	19/09/2025	TW
05	24VDC DISTRIBUTION	=F1	+L1	0	19/09/2025	TW
06	INVERTER CONTROL	=F1	+L1	0	19/09/2025	TW
07	BRAKE CONTROL	=F1	+L1	0	19/09/2025	TW
08	PANEL NETWORK	=F1	+L1	0	19/09/2025	TW
09	PLC IO LAYOUT	=F1	+L1	0	19/09/2025	TW
10	FAILSAFE DIGITAL INPUTS 1	=F1	+L1	0	19/09/2025	TW
11	FAILSAFE DIGITAL INPUTS 2	=F1	+L1	0	19/09/2025	TW
12	FAILSAFE DIGITAL INPUTS 3	=F1	+L1	0	19/09/2025	TW
13	FAILSAFE DIGITAL INPUTS 4	=F1	+L1	0	19/09/2025	TW
14	FAILSAFE DIGITAL INPUTS 5	=F1	+L1	0	19/09/2025	TW
15	FAILSAFE DIGITAL INPUTS 6	=F1	+L1	0	25/09/2025	TW
16	FAILSAFE DIGITAL INPUTS 7	=F1	+L1	0	25/09/2025	TW
17	FAILSAFE DIGITAL INPUTS 8	=F1	+L1	0	25/09/2025	TW
18	FAILSAFE DIGITAL OUTPUTS 1.1	=F1	+L1	0	19/09/2025	TW
19	DIGITAL INPUTS 1.1	=F1	+L1	0	19/09/2025	TW
20	DIGITAL INPUTS 1.2	=F1	+L1	0	19/09/2025	TW



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Control Panel
 Drawings list

				REVISION
				0
0	19/09/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	02

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel

-> 1-Control Panel

Drawing	Description	Function	Location	Revision	Date	Created by
21	DIGITAL INPUTS 2.1	=F1	+L1	0	25/09/2025	TW
22	DIGITAL INPUTS 2.2	=F1	+L1	0	25/09/2025	TW
23	DIGITAL OUTPUTS 1.1	=F1	+L1	0	19/09/2025	TW
24	DIGITAL OUTPUTS 1.2	=F1	+L1	0	19/09/2025	TW
25	ENCODER INPUT 1	=F1	+L1	0	19/09/2025	TW
26	MOTOR THERMISTOR	=F1	+L1	0	19/09/2025	TW
27	ENCODER SPLITTER BOX WIRING	=F1	+L1	0	19/09/2025	TW



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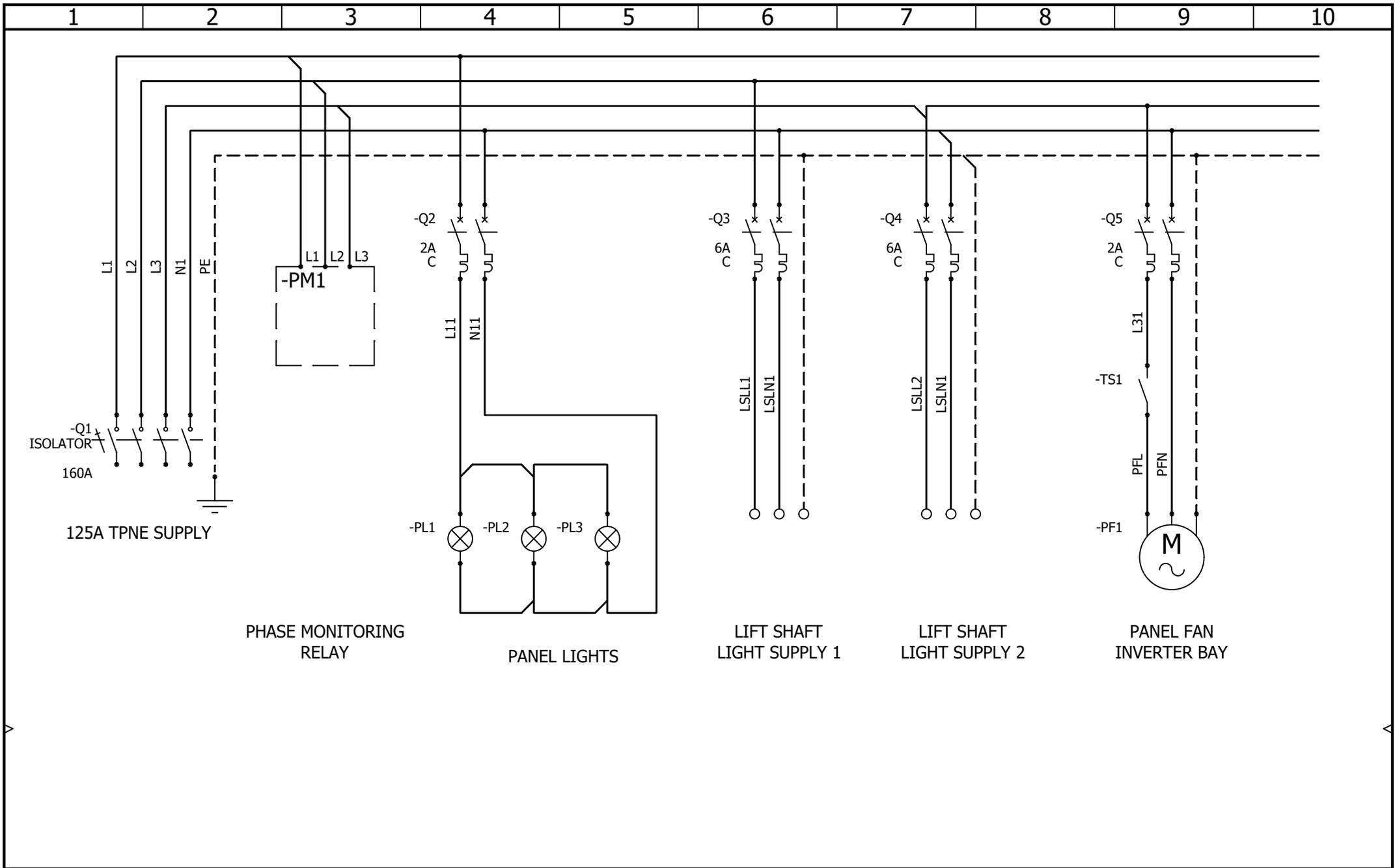
Control Panel
 Drawings list

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				0
0	26/09/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	03

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel



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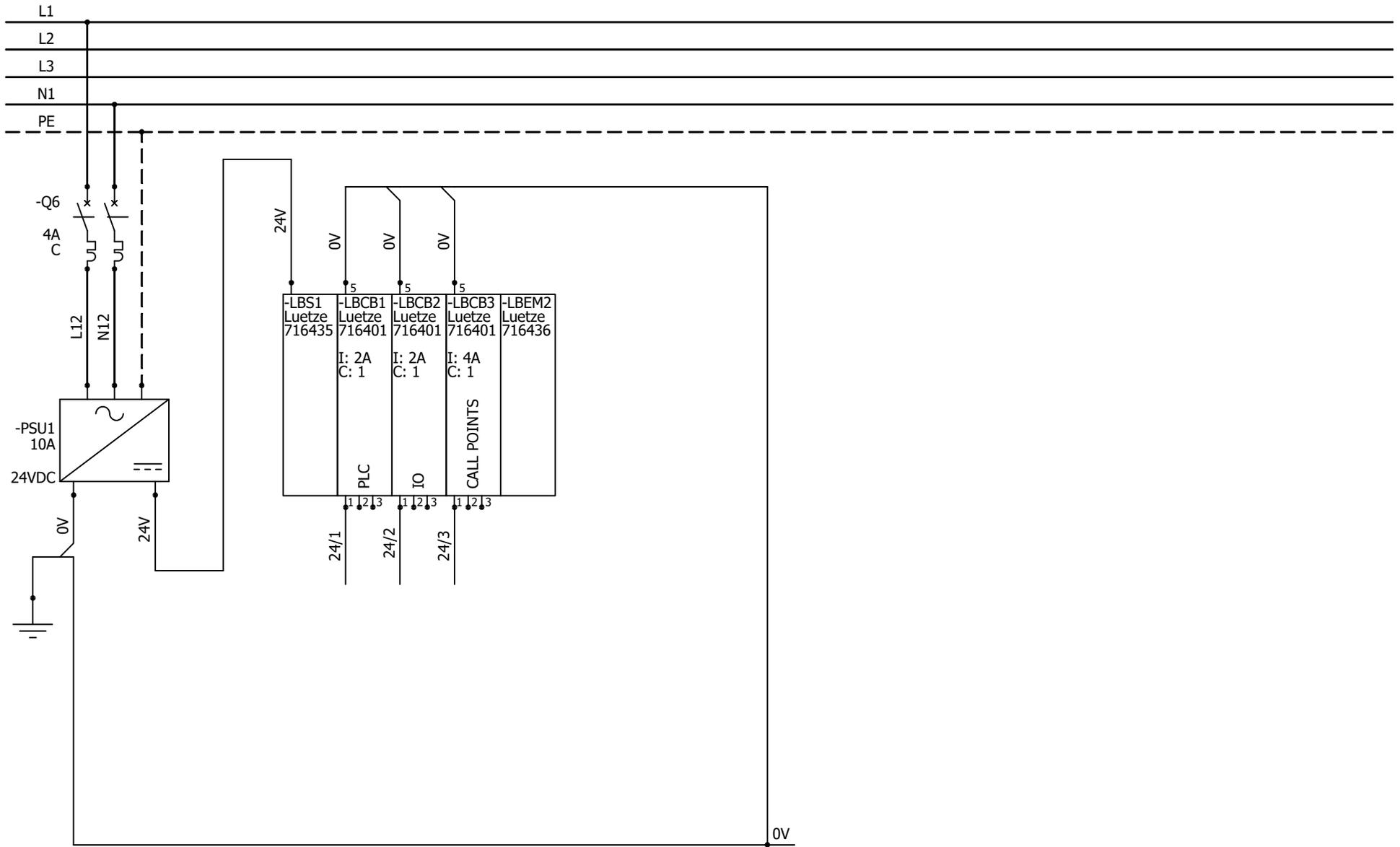
CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

**Control Panel
 POWER DISTRIBUTION**

Control Panel

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				0
0	19/09/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	04
User data 1			User data 2	



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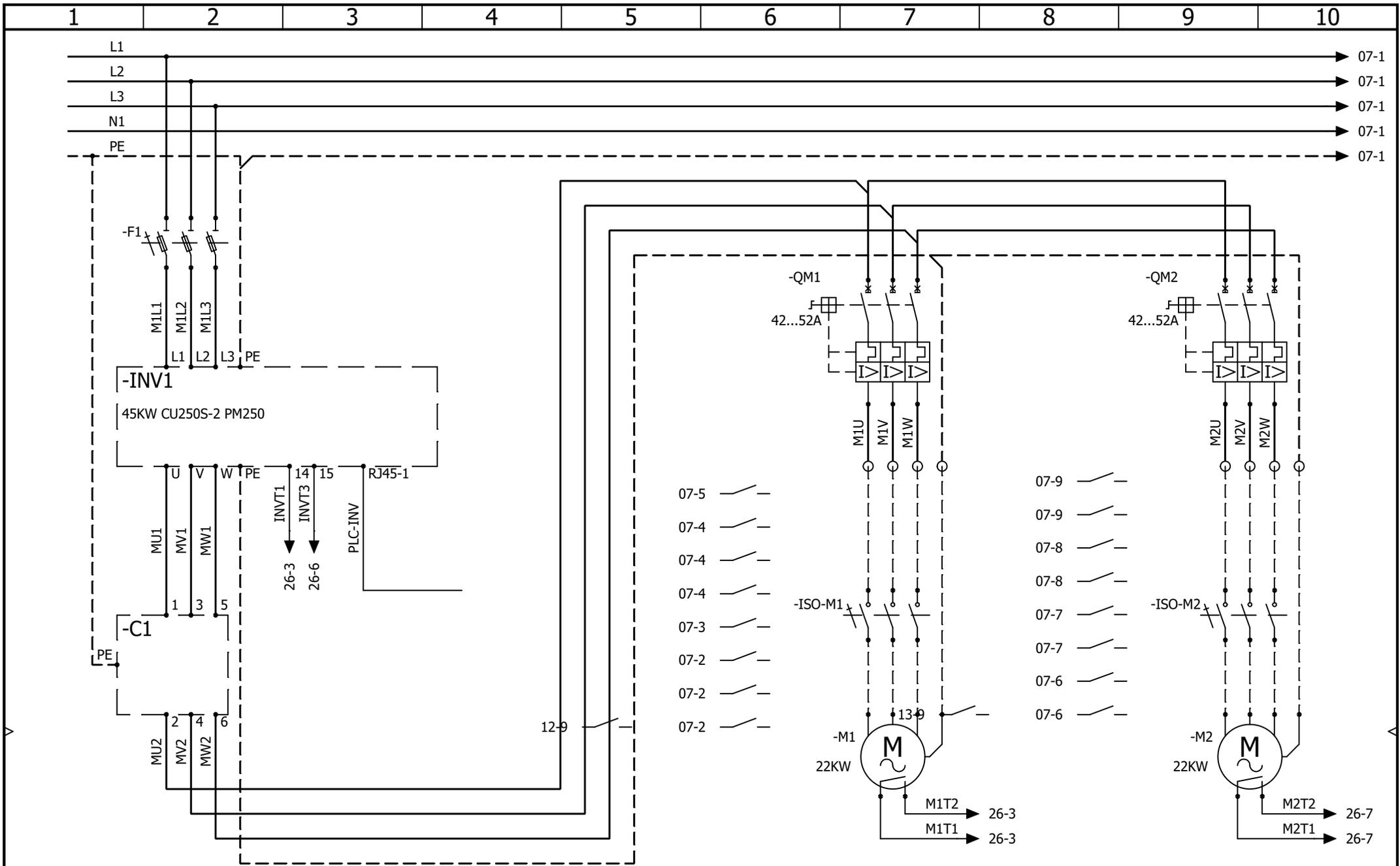
Control Panel
24VDC DISTRIBUTION

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel

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				0
0	19/09/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
				05
User data 1			User data 2	



AAC Technical Services Ltd
 Unit 2, Brunel Business Court
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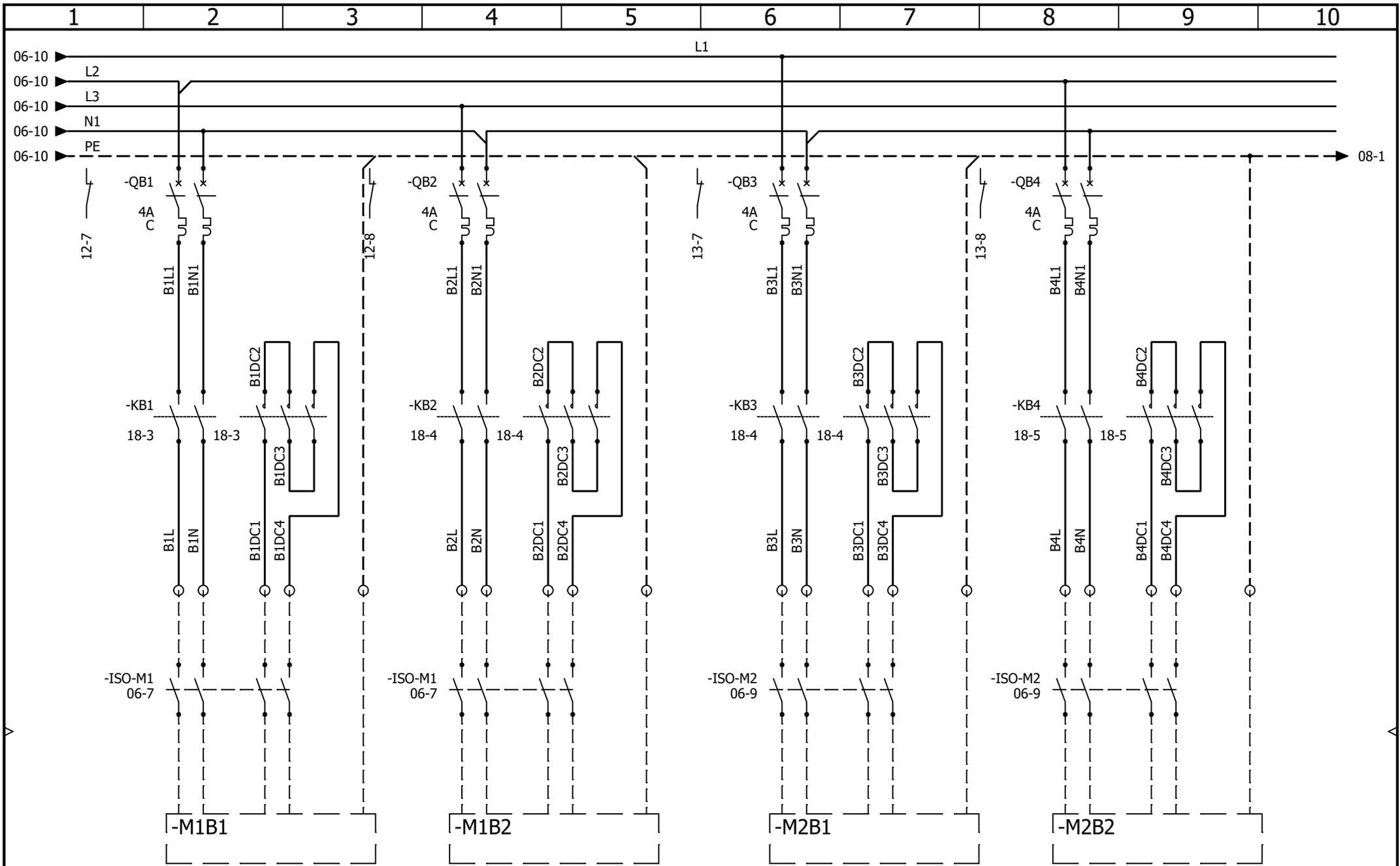
CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel INVERTER CONTROL

Control Panel

				REVISION
				0
0	19/09/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
				06
User data 1			User data 2	



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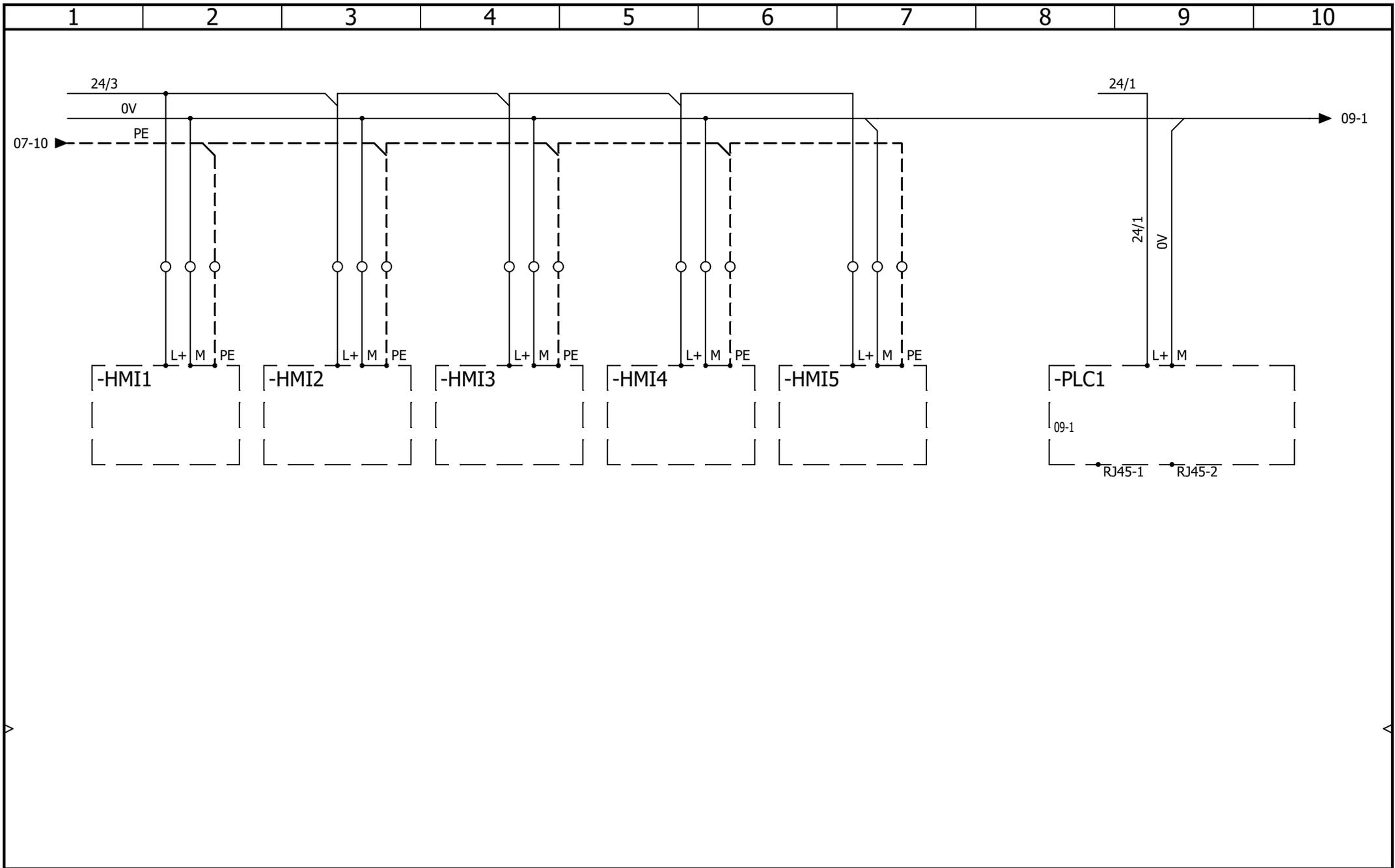
CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel
BRAKE CONTROL

Control Panel

				REVISION
				0
0	19/09/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
				07
User data 1			User data 2	



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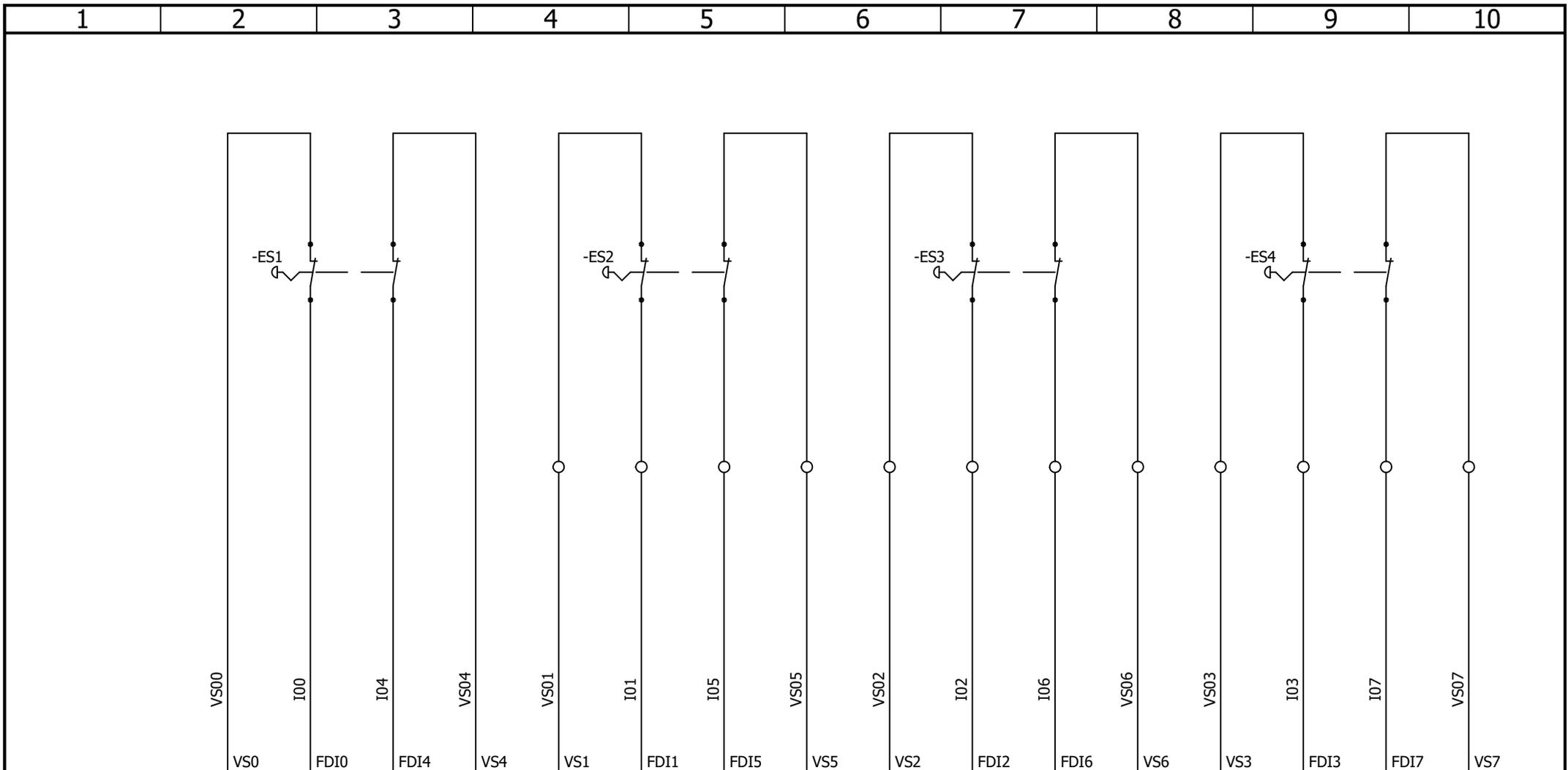
**Control Panel
 PANEL NETWORK**

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel

				REVISION
				0
0	19/09/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
				08
User data 1			User data 2	



-FDI1 6ES7 136-6BA01-0CA0 8WAY 09-2	VS0	I0.0	I0.4	VS4	VS1	I0.1	I0.5	VS5	VS2	I0.2	I0.6	VS6	VS3	I0.3	I0.7	VS7
		PANEL EMERGENCY STOP CHANNEL 1	PANEL EMERGENCY STOP CHANNEL 2			PIT EMERGENCY STOP 1 CHANNEL 1	PIT EMERGENCY STOP 1 CHANNEL 2			PIT EMERGENCY STOP 2 CHANNEL 1	PIT EMERGENCY STOP 2 CHANNEL 2			PENDANT EMERGENCY STOP CHANNEL 1	PENDANT EMERGENCY STOP CHANNEL 2	



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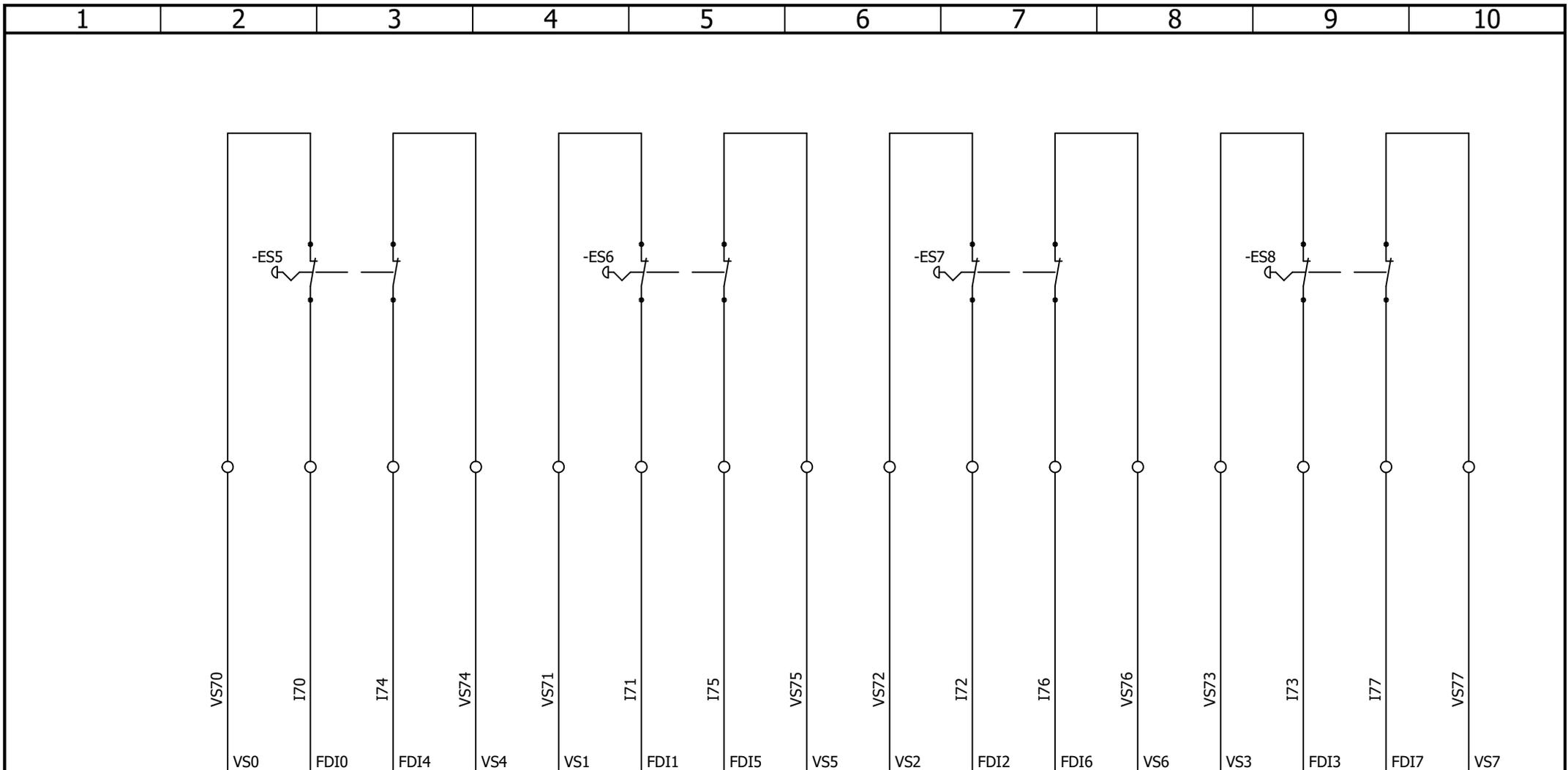
Control Panel
FAILSAFE DIGITAL INPUTS 1

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel

				REVISION
				0
0	19/09/2025	TW		
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	
				SCHEME
				10



-FDI2 6ES7 136-6BA01-0CA0 8WAY 09-3	VS0	I7.0	I7.4	VS4	VS1	I7.1	I7.5	VS5	VS2	I7.2	I7.6	VS6	VS3	I7.3	I7.7	VS7
		STAGE LEVEL EMERGENCY STOP CHANNEL 1	STAGE LEVEL EMERGENCY STOP CHANNEL 2			UNDER STAGE LEVEL EMERGENCY STOP CHANNEL 1	UNDER STAGE LEVEL EMERGENCY STOP CHANNEL 2				LOADING LEVEL EMERGENCY STOP CHANNEL 1	LOADING LEVEL EMERGENCY STOP CHANNEL 2			BASEMENT LEVEL EMERGENCY STOP CHANNEL 1	BASEMENT LEVEL EMERGENCY STOP CHANNEL 2



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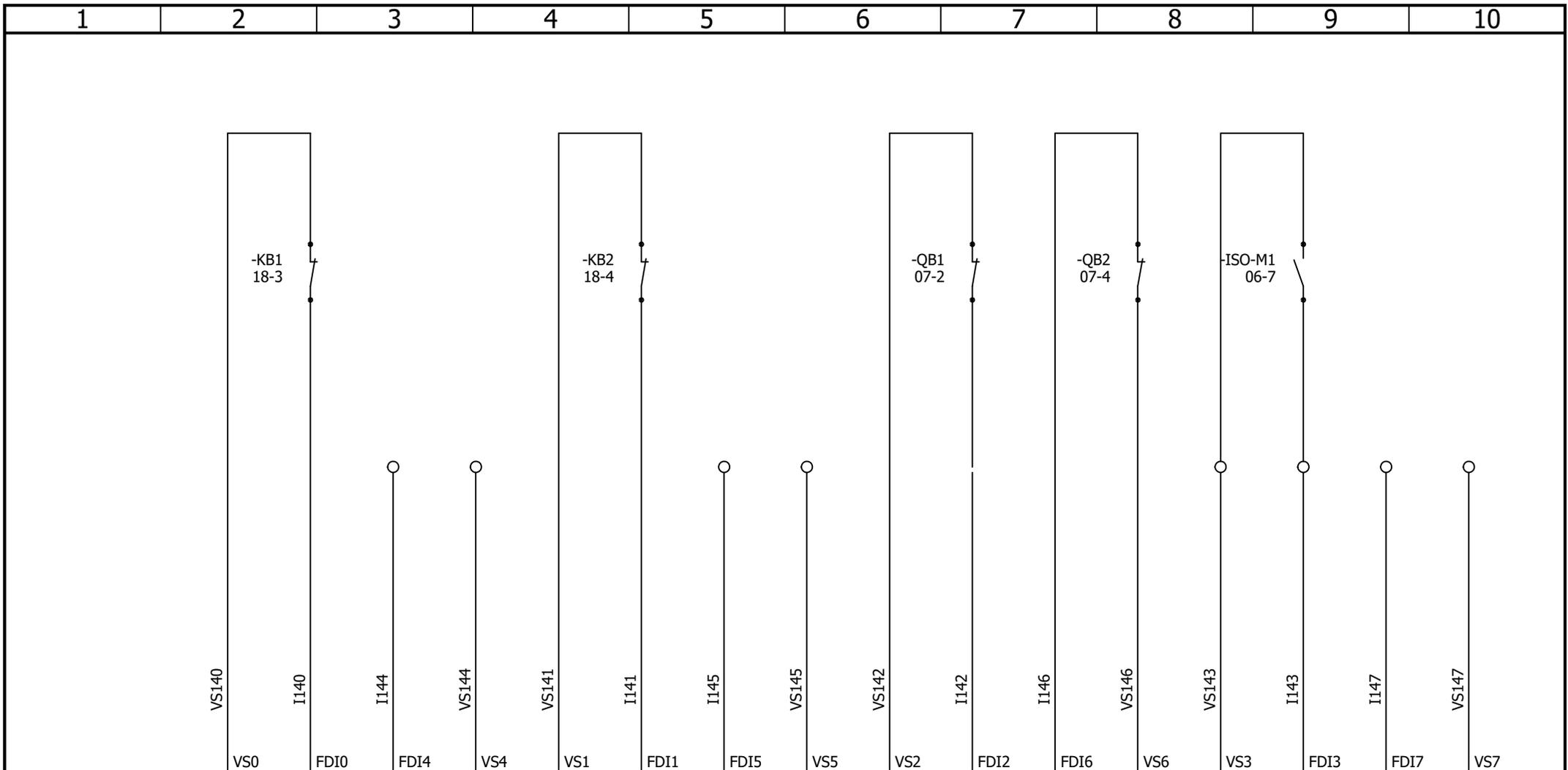
Control Panel
FAILSAFE DIGITAL INPUTS 2

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel

				REVISION
				0
0	19/09/2025	TW		
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	
				SCHEME
				11



-FDI3 6ES7 136-6BA01-0CA0 8WAY 09-3	VS0	I14.0	I14.4	VS4	VS1	I14.1	I14.5	VS5	VS2	I14.2	I14.6	VS6	VS3	I14.3	I14.7	VS7
		MOTOR 1 BRAKE 1 CONTACTOR FEEDBACK	MOTOR 1 BRAKE 1 FEEDBACK			MOTOR 1 BRAKE 2 CONTACTOR FEEDBACK	MOTOR 1 BRAKE 2 FEEDBACK			MOTOR 1 BRAKE 1 CIRCUIT BREAKER FEEDBACK	MOTOR 1 BRAKE 2 CIRCUIT BREAKER FEEDBACK			MOTOR 1 ISOLATOR OK	SPARE	



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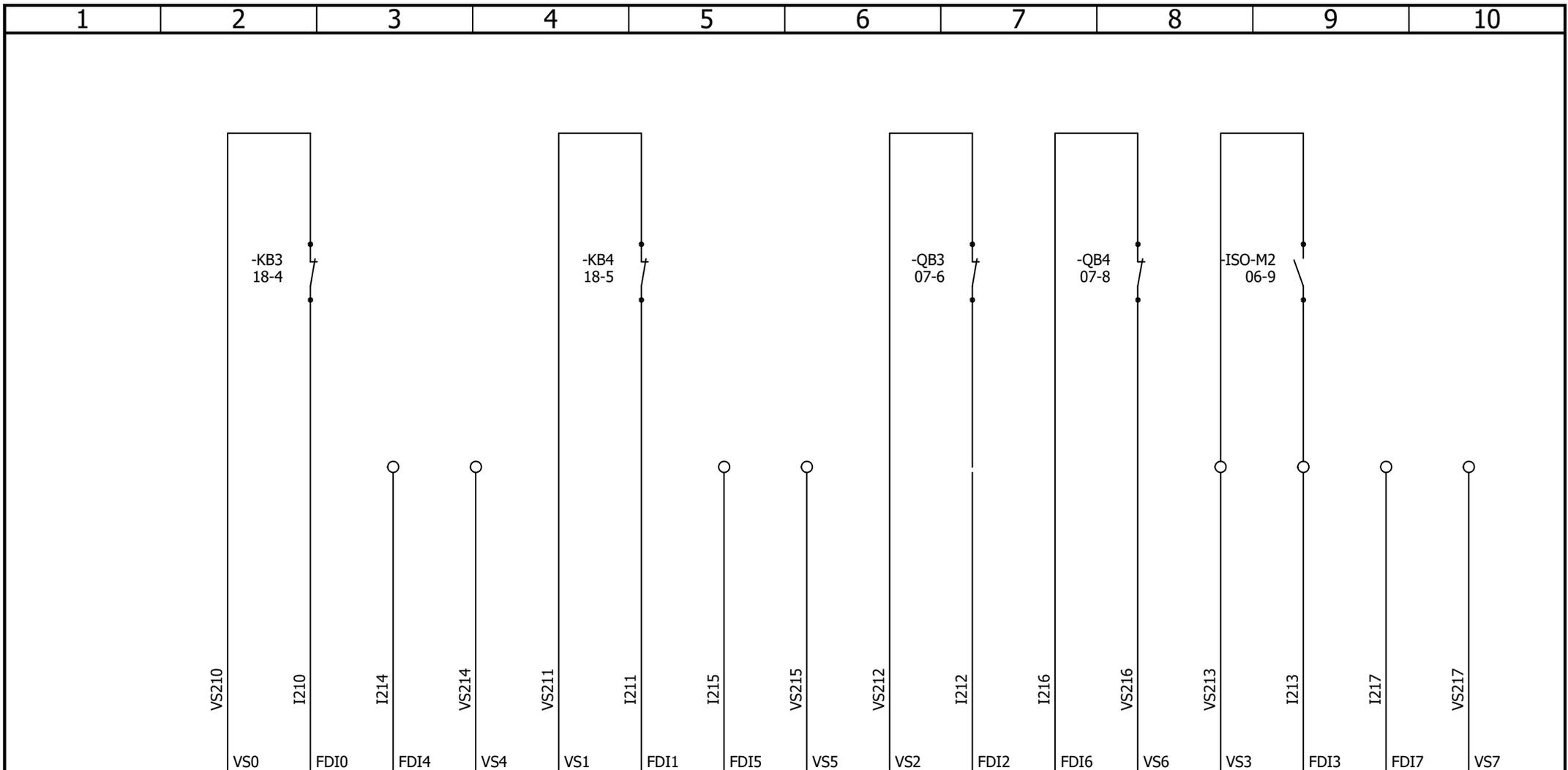
Control Panel
FAILSAFE DIGITAL INPUTS 3

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel

				REVISION
0	19/09/2025	TW		0
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	12



-FDI4 6ES7 136-6BA01-0CA0 8WAY 09-4	VS0	I21.0	I21.4	VS4	VS1	I21.1	I21.5	VS5	VS2	I21.2	I21.6	VS6	VS3	I21.3	I21.7	VS7
		MOTOR 2 BRAKE 1 CONTACTOR FEEDBACK	MOTOR 2 BRAKE 1 FEEDBACK			MOTOR 2 BRAKE 2 CONTACTOR FEEDBACK	MOTOR 2 BRAKE 2 FEEDBACK			MOTOR 2 BRAKE 1 CIRCUIT BREAKER FEEDBACK	MOTOR 2 BRAKE 2 CIRCUIT BREAKER FEEDBACK			MOTOR 2 ISOLATOR OK	SPARE	



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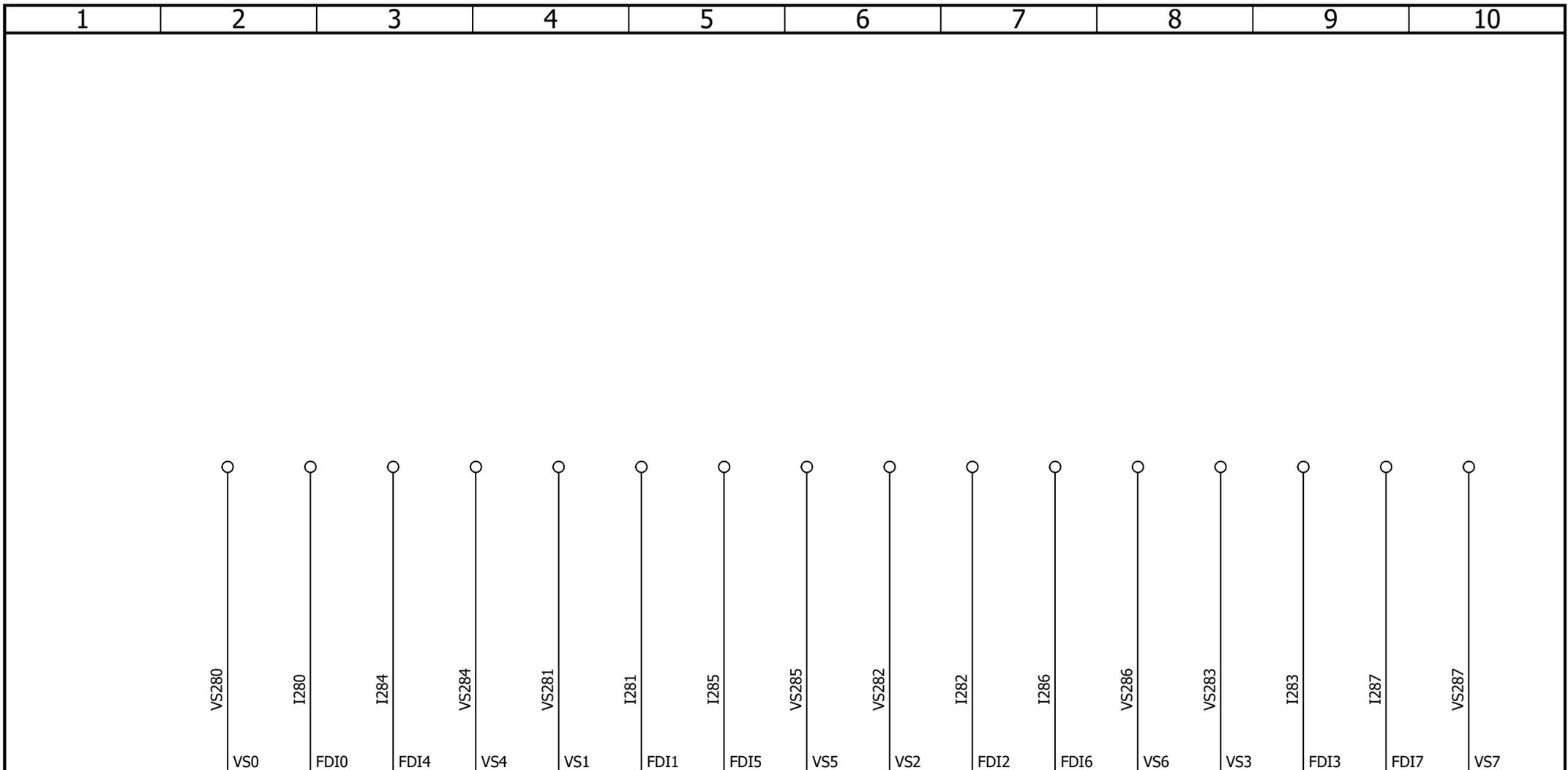
Control Panel
FAILSAFE DIGITAL INPUTS 4

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel

				REVISION
				0
0	19/09/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	13



-FDI5 6ES7 136-6BA01-0CA0 8WAY 09-4	VS0	I28.0	I28.4	VS4	VS1	I28.1	I28.5	VS5	VS2	I28.2	I28.6	VS6	VS3	I28.3	I28.7	VS7
		BARRIER SWITCH SET 1	BARRIER SWITCH SET 2			STAGE PLATFORM FLOOR HATCH INTERLOCK	GET-IN PLATFORM FLOOR HATCH INTERLOCK			LOCKING PIN 1 OPEN SWITCH	LOCKING PIN 1 CLOSED SWITCH			LOCKING PIN 2 OPEN SWITCH	LOCKING PIN 2 CLOSED SWITCH	



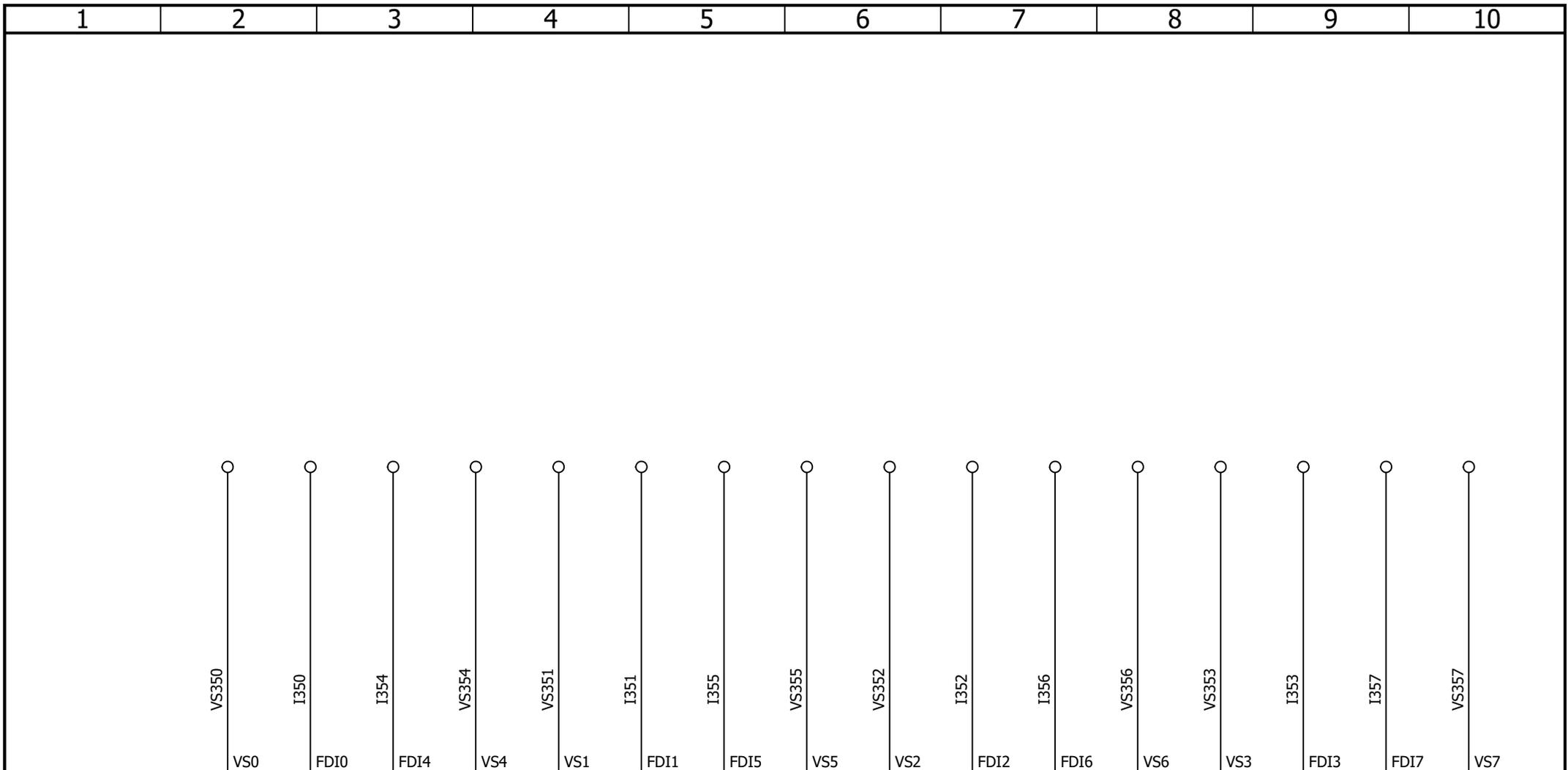
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Control Panel
FAILSAFE DIGITAL INPUTS 5

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1 Control Panel

				REVISION
0	19/09/2025	TW		0
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	14



-FDI6 6ES7 136-6BA01-0CA0 8WAY 09-5	VS0	I35.0	I35.4	VS4	VS1	I35.1	I35.5	VS5	VS2	I35.2	I35.6	VS6	VS3	I35.3	I35.7	VS7
		STAGE PLATFORM PROVING SWITCH 1	STAGE PLATFORM PROVING SWITCH 2			STAGE PLATFORM PROVING SWITCH 3	STAGE PLATFORM PROVING SWITCH 4				GET-IN PLATFORM PROVING SWITCH 1	GET-IN PLATFORM PROVING SWITCH 2		GET-IN PLATFORM PROVING SWITCH 3	GET-IN PLATFORM PROVING SWITCH 4	



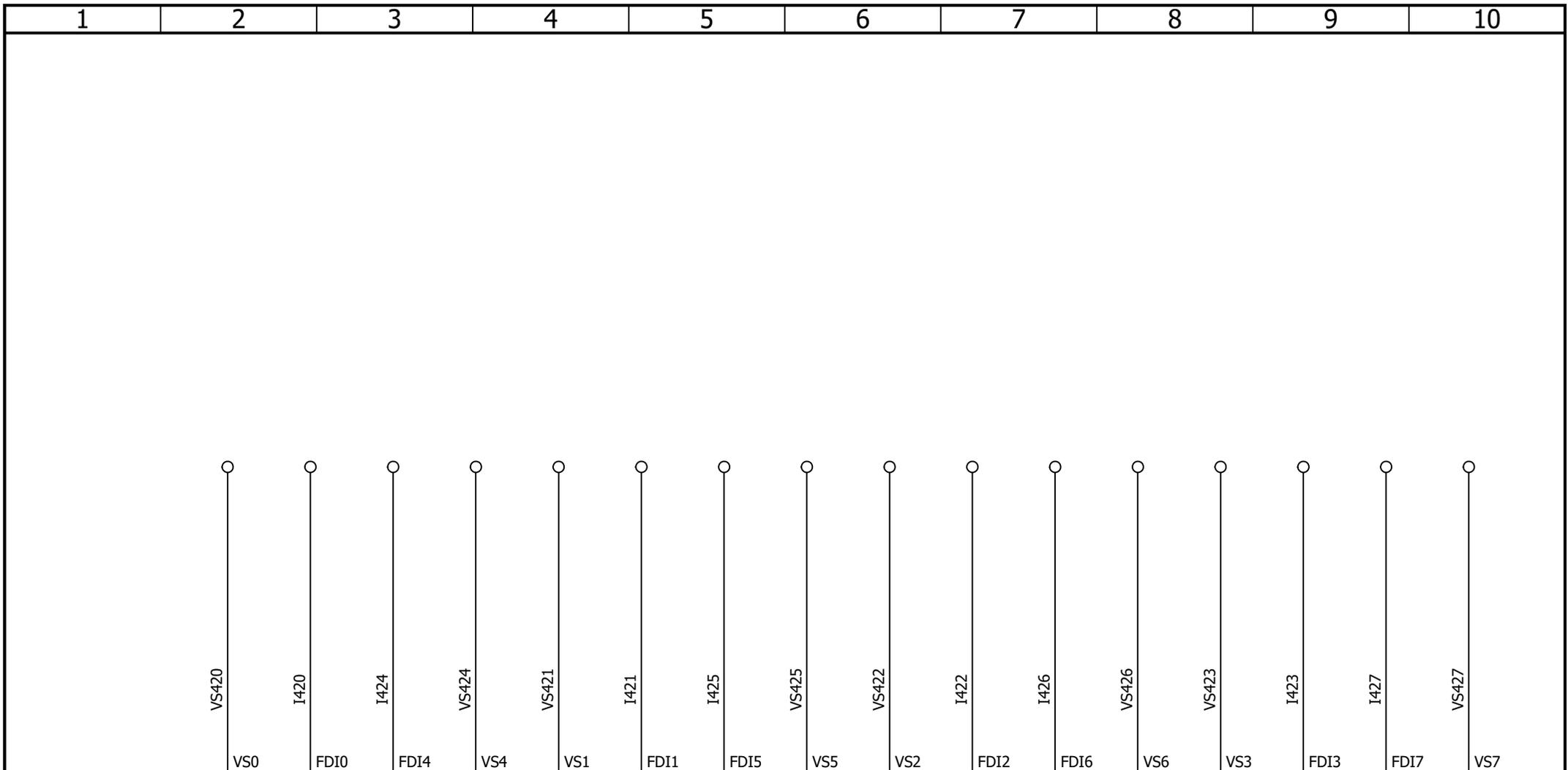
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Control Panel
FAILSAFE DIGITAL INPUTS 6

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1 Control Panel

				REVISION
				0
0	25/09/2025	TW		
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	
				SCHEME
				15



-FDI7 6ES7 136-6BA01-0CA0 8WAY 09-5	VS0	I42.0	I42.4	VS4	VS1	I42.1	I42.5	VS5	VS2	I42.2	I42.6	VS6	VS3	I42.3	I42.7	VS7	
		MAINTEN- ANCE PIT PROPS ENGAGED SWITCH 1	MAINTEN- ANCE PIT PROPS STORAGE SWITCH 1			MAINTEN- ANCE PIT PROPS ENGAGED SWITCH 2	MAINTEN- ANCE PIT PROPS STORAGE SWITCH 2				MAINTEN- ANCE PIT PROPS ENGAGED SWITCH 3	MAINTEN- ANCE PIT PROPS STORAGE SWITCH 3			MAINTEN- ANCE PIT PROPS ENGAGED SWITCH 4	MAINTEN- ANCE PIT PROPS STORAGE SWITCH 4	



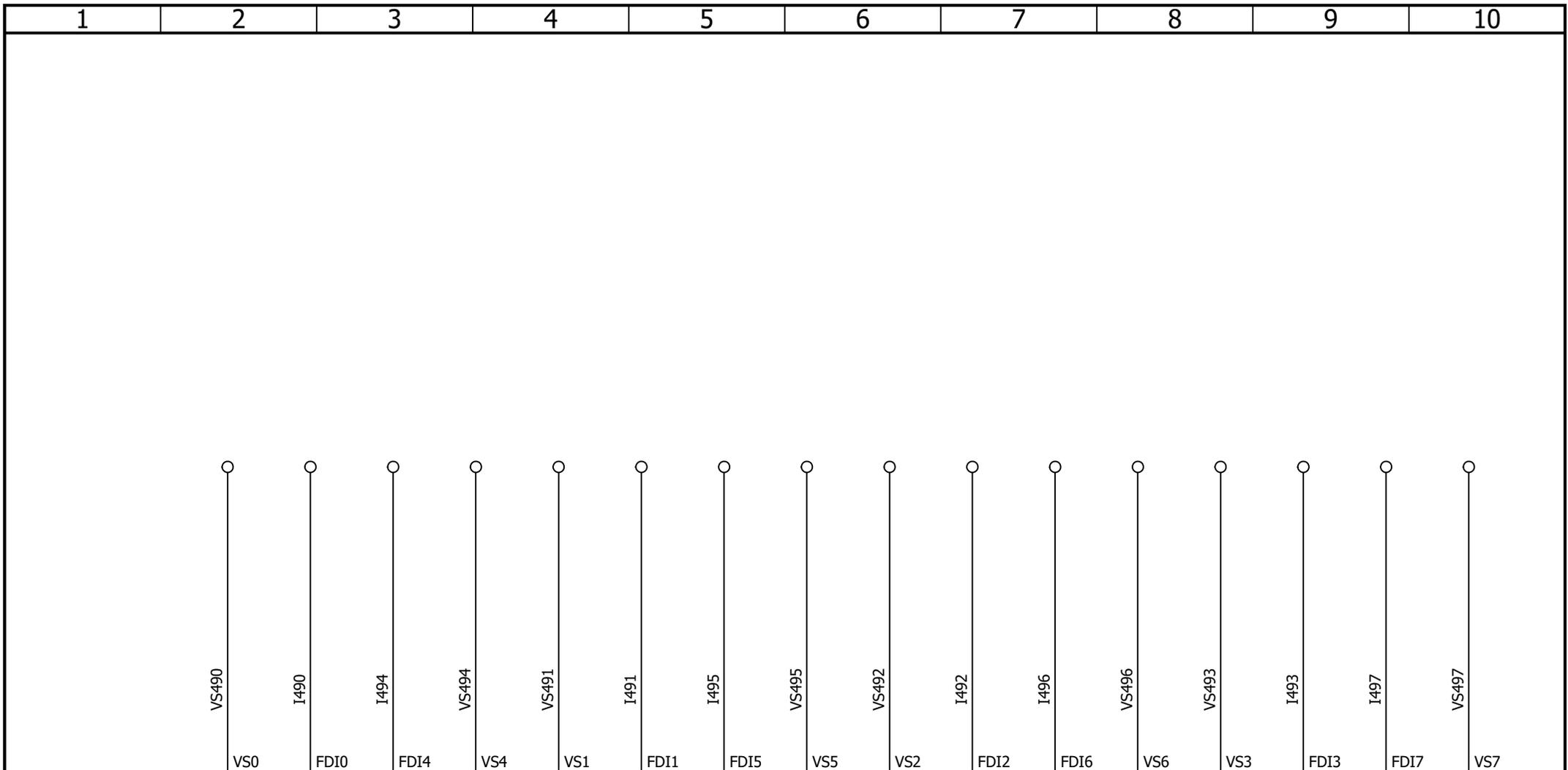
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Control Panel
FAILSAFE DIGITAL INPUTS 7

REV.	DATE	NAME	CHANGES	REVISION
0	25/09/2025	TW		0
User data 1				SCHEME
User data 2				16

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1 Control Panel



-FDI8 6ES7 136-6BA01-0CA0 8WAY 09-6	VS0	I49.0	I49.4	VS4	VS1	I49.1	I49.5	VS5	VS2	I49.2	I49.6	VS6	VS3	I49.3	I49.7	VS7
		ULTIMATE BOTTOM LIMIT 1	ULTIMATE TOP LIMIT 1			ULTIMATE BOTTOM LIMIT 2	ULTIMATE TOP LIMIT 2			SPARE CHANNEL 1	SPARE CHANNEL 2			SPARE CHANNEL 1	SPARE CHANNEL 2	



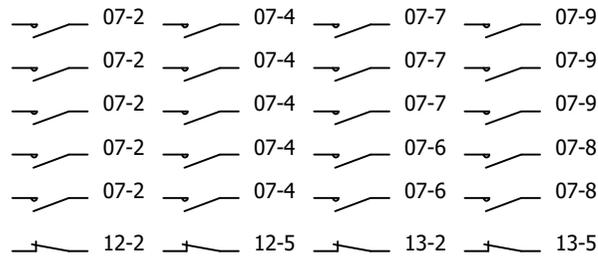
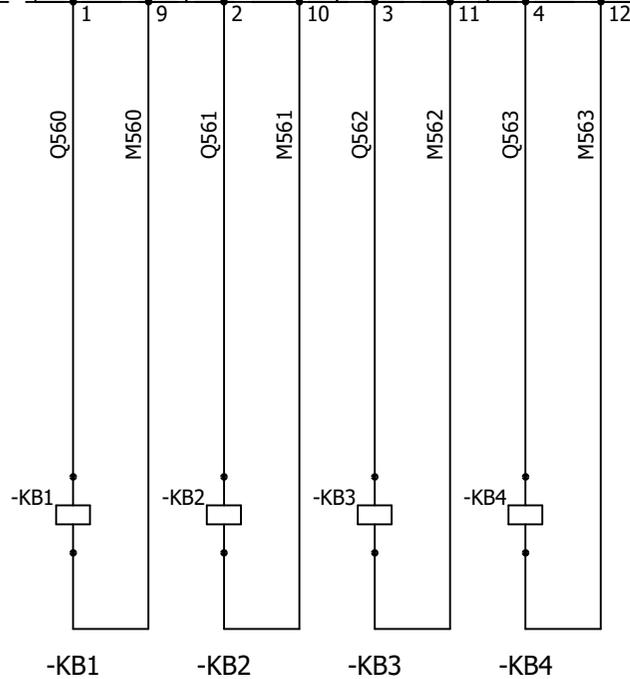
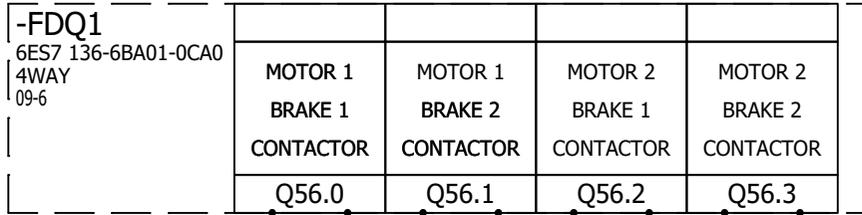
AAC Theatre Systems
 Unit 2, Brunel Business Court
 Brunel Way, Thetford, Norfolk IP24 1HP

CONTRACT: 2492 - GILLIAN LYNNE

Control Panel
FAILSAFE DIGITAL INPUTS 8

LOCATION: +L1 Control Panel

				REVISION
				0
0	25/09/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	
User data 1			User data 2	17



AAC Theatre Systems
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Control Panel
FAILSAFE DIGITAL OUTPUTS 1.1

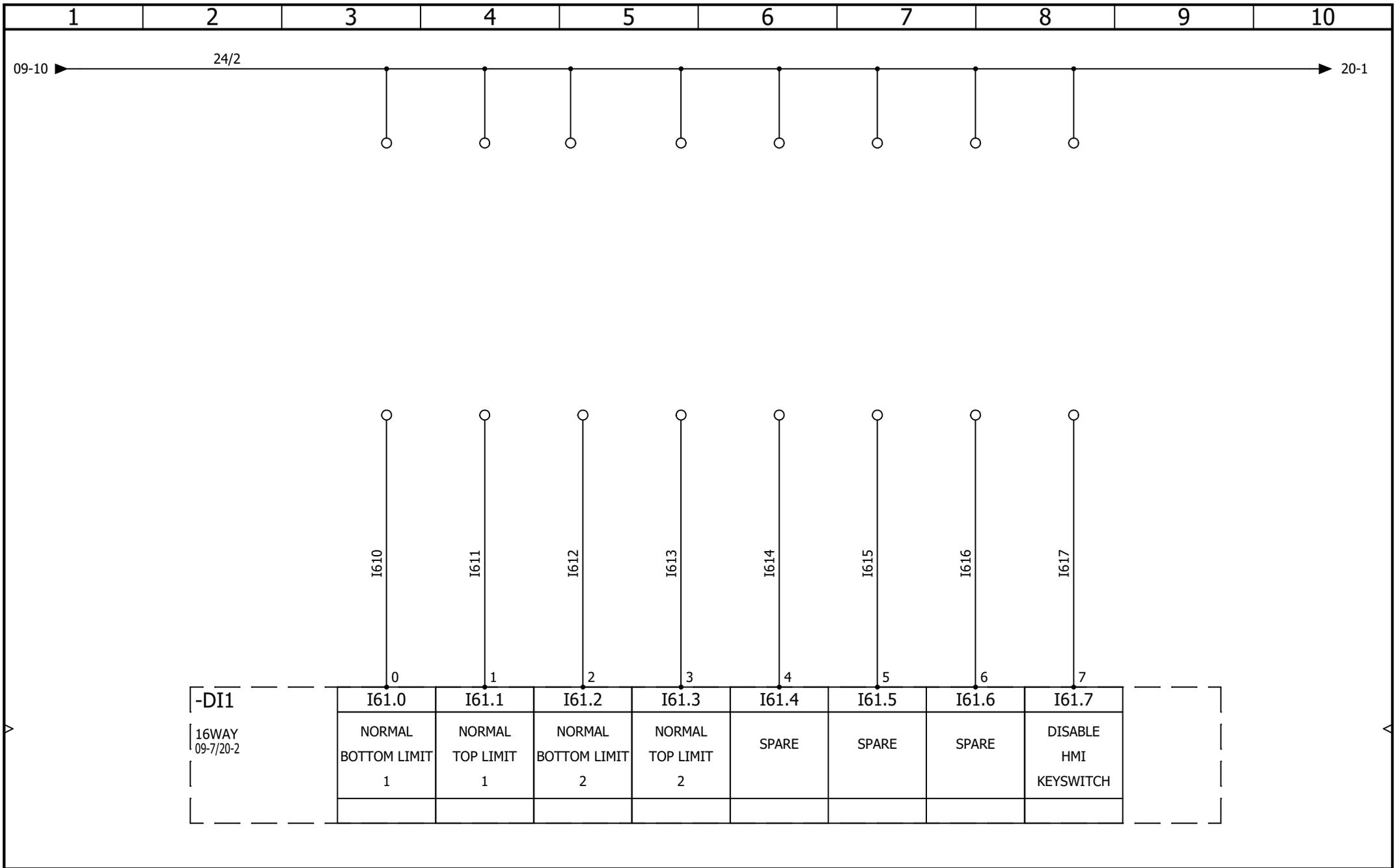
CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel

0	19/09/2025	TW	
REV.	DATE	NAME	CHANGES
User data 1			User data 2

REVISION
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 SCHEME
18



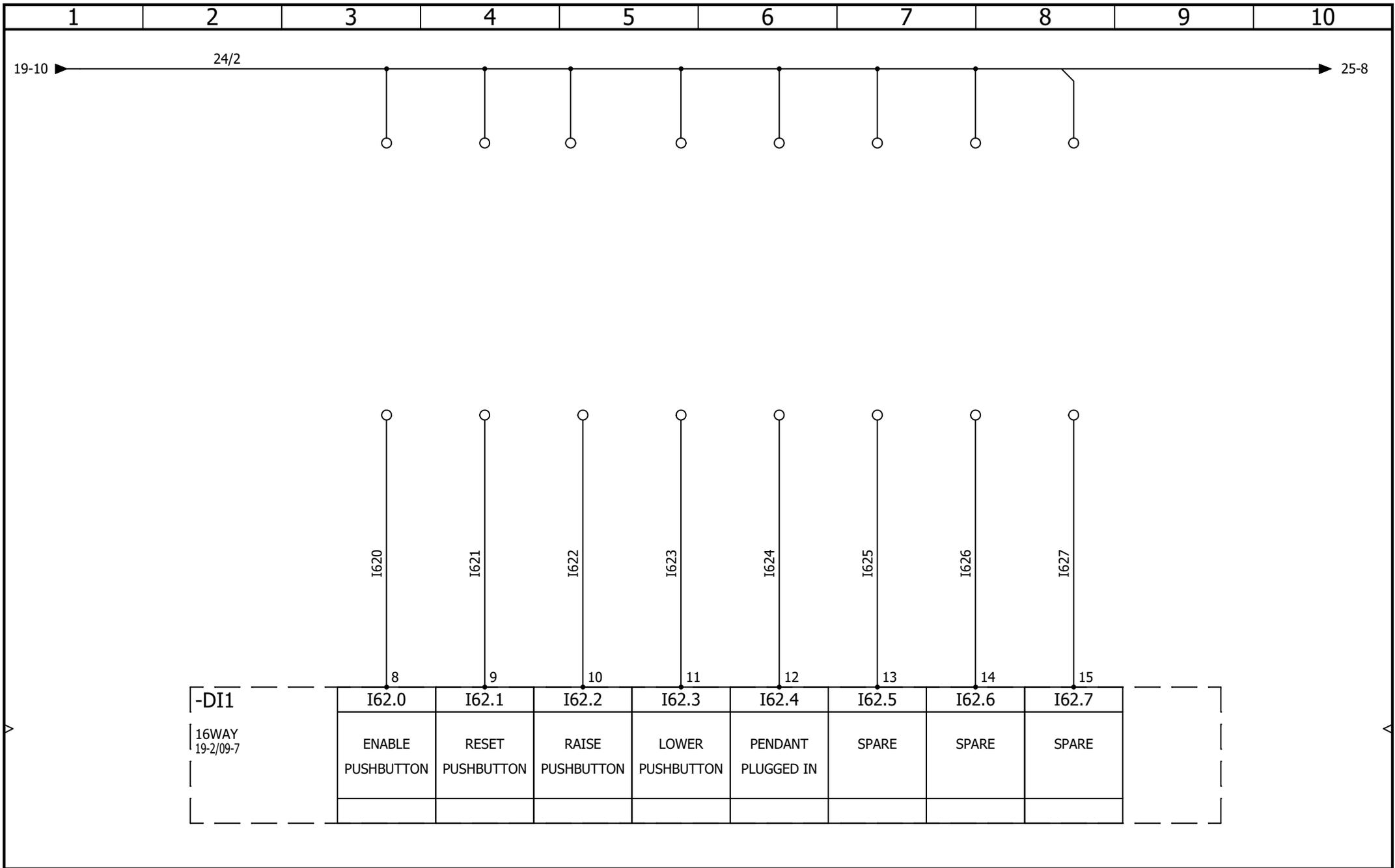
AAC Theatre Systems
 Unit 2, Brunel Business Court
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Control Panel
DIGITAL INPUTS 1.1

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1 Control Panel

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0	19/09/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	
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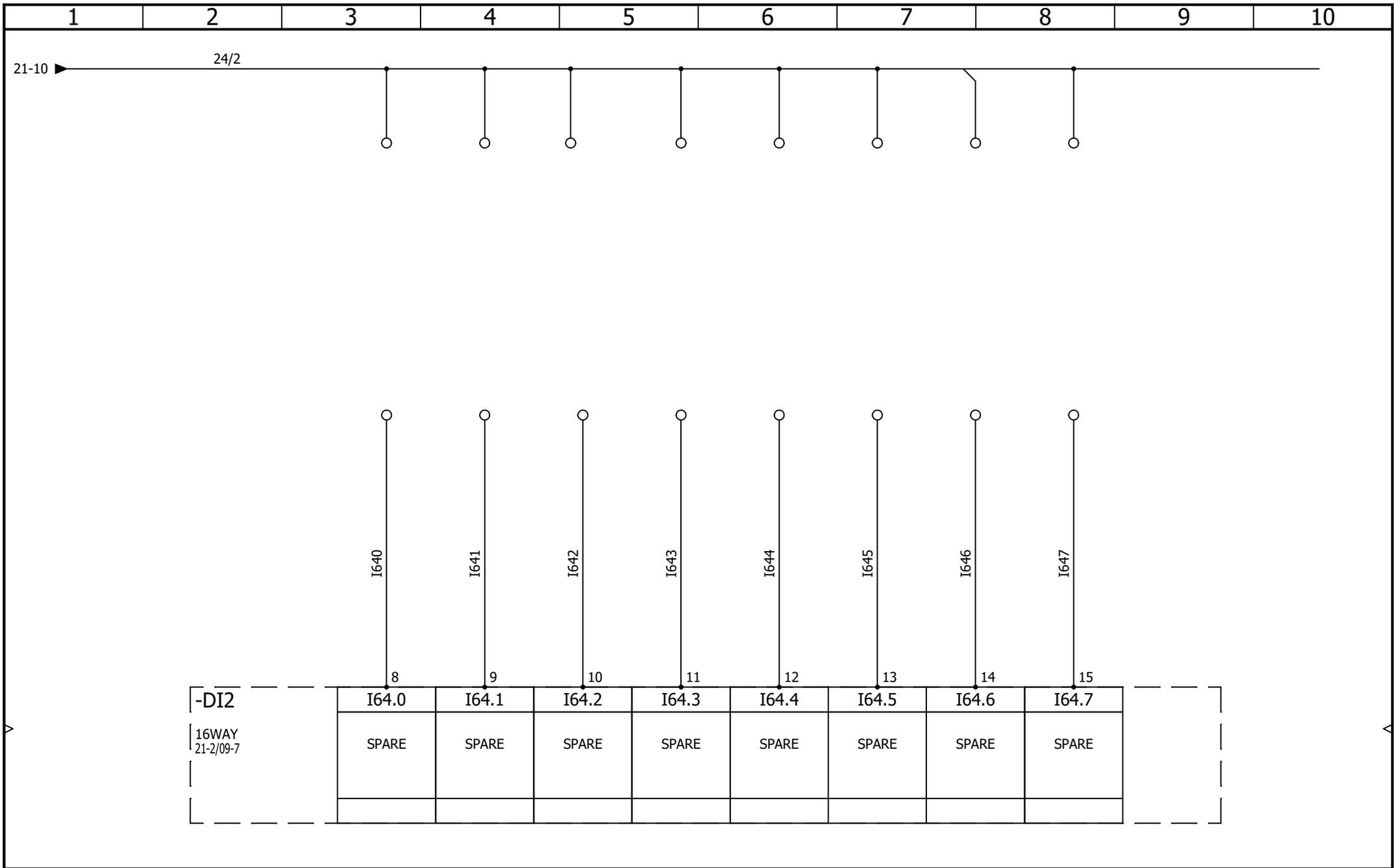
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Control Panel
DIGITAL INPUTS 1.2

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1 Control Panel

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0	19/09/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
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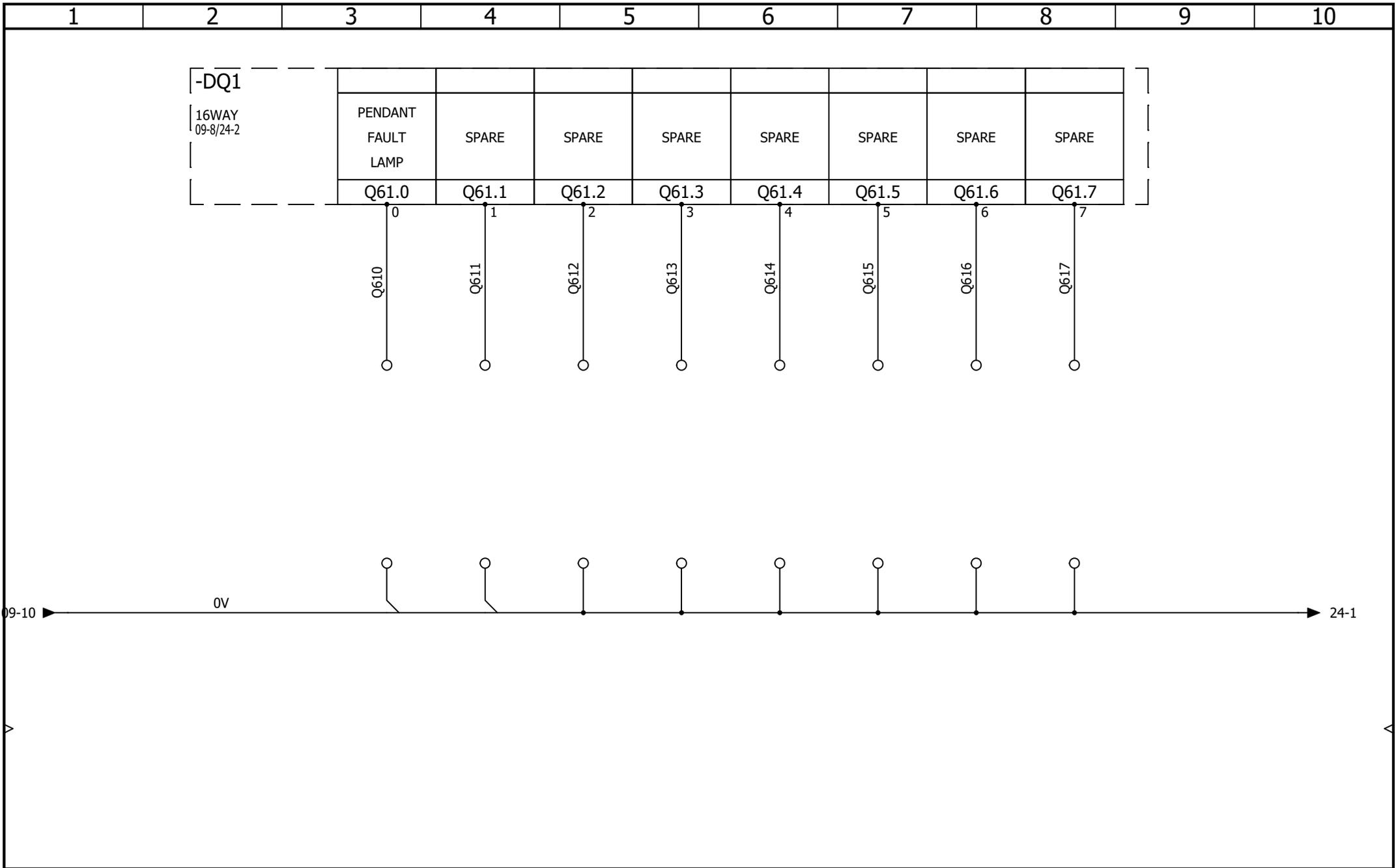
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DIGITAL INPUTS 2.2

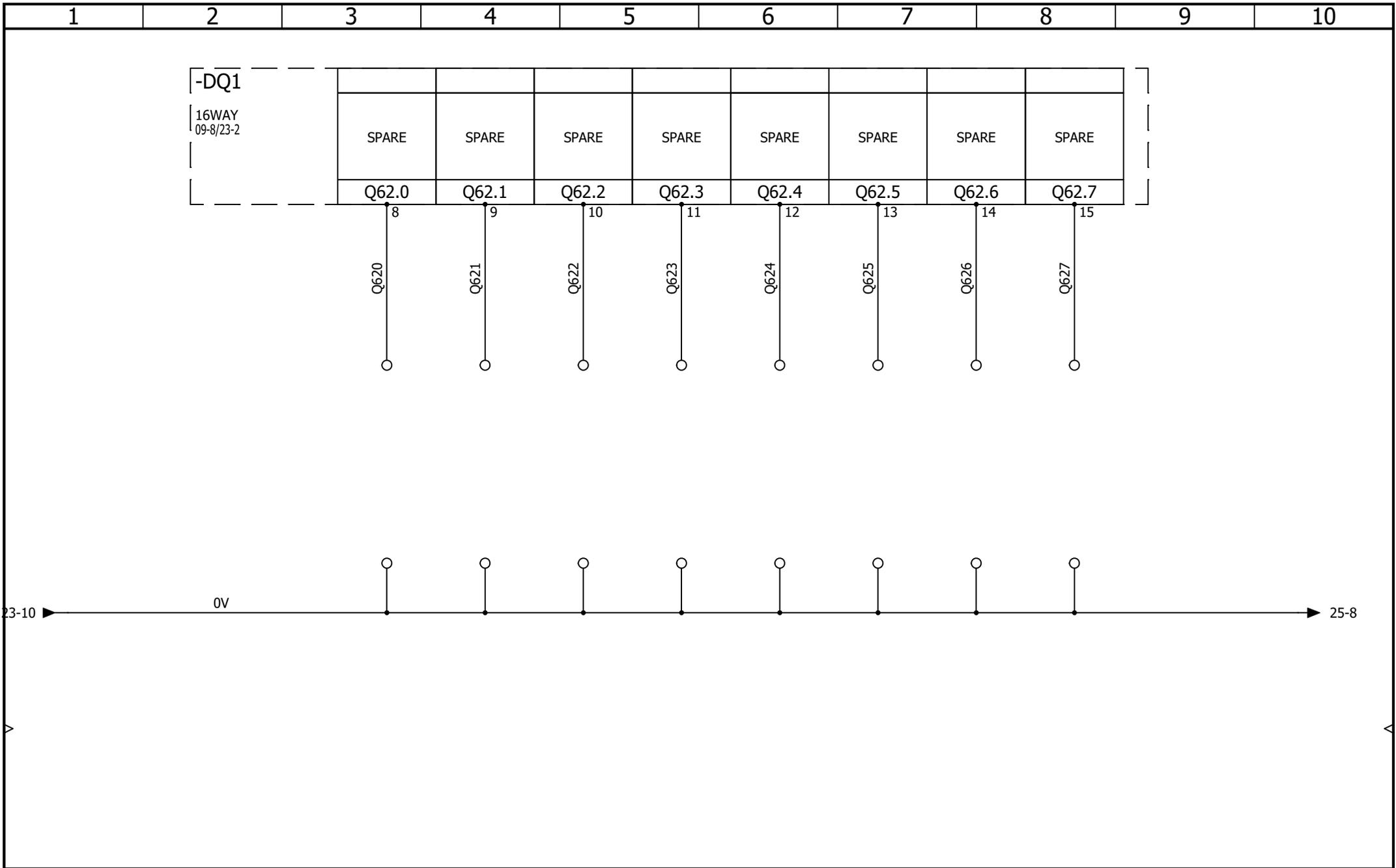
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REV.	DATE	NAME	CHANGES	
User data 1			User data 2	22

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel





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

Control Panel
DIGITAL OUTPUTS 1.2

CONTRACT: 2492 - GILLIAN LYNNE

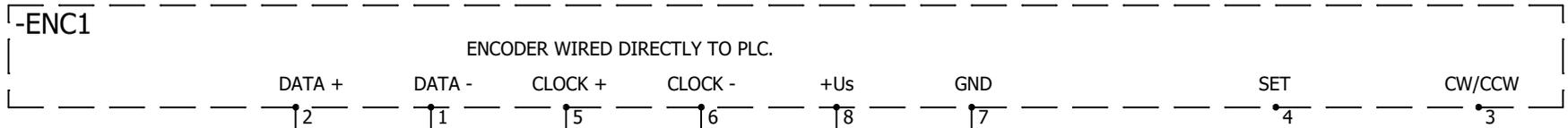
LOCATION: +L1

Control Panel

				REVISION
				0
0	19/09/2025	TW		SCHEME
REV.	DATE	NAME	CHANGES	24
User data 1			User data 2	

SET
TO ZERO THE ENCODER VALUE, SET IS TO BE CONNECTED TO 24VDC FOR MORE THAN 250MS

CW/CCW
TO REVERSE THE ENCODER, CW/CCW SHOULD BE CONNECTED TO 24VDC.



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

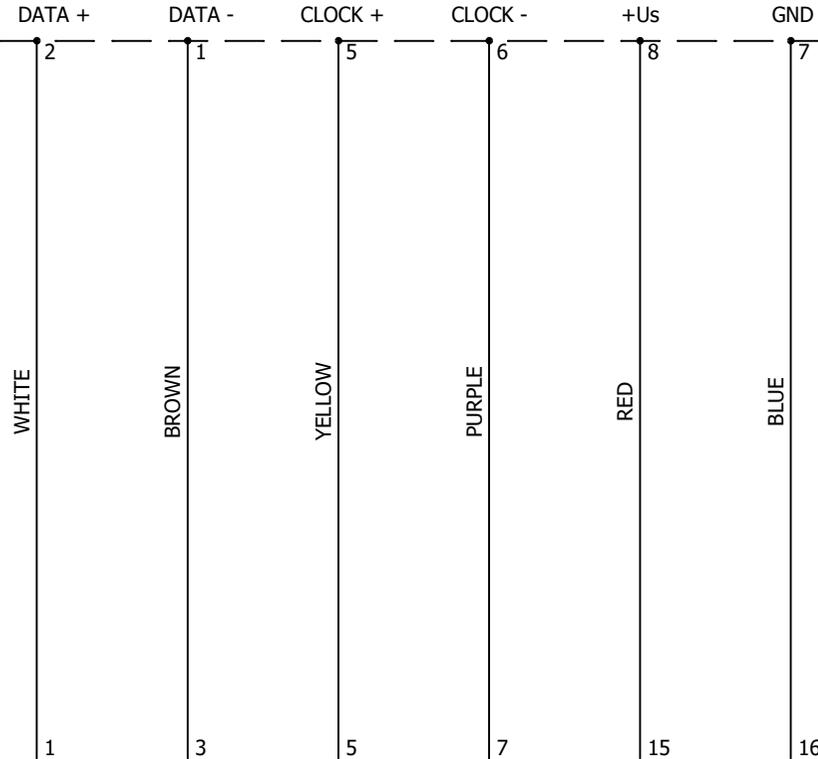
INC
2048 PPR

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

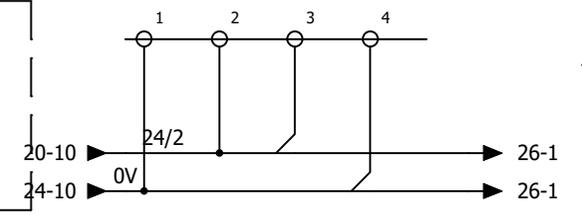
TIA
LOADGEAR
MOTOR REVS: ?
LOAD REVS: ?
LEADSCREW PITCH: ?MM/ROTATION

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

MAX SPEED: ?MM/S



-TM1	D+	D-	C+	C-	24VDC	M
09-8	DATA +	DATA -	CLOCK +	CLOCK -	24VDC	M



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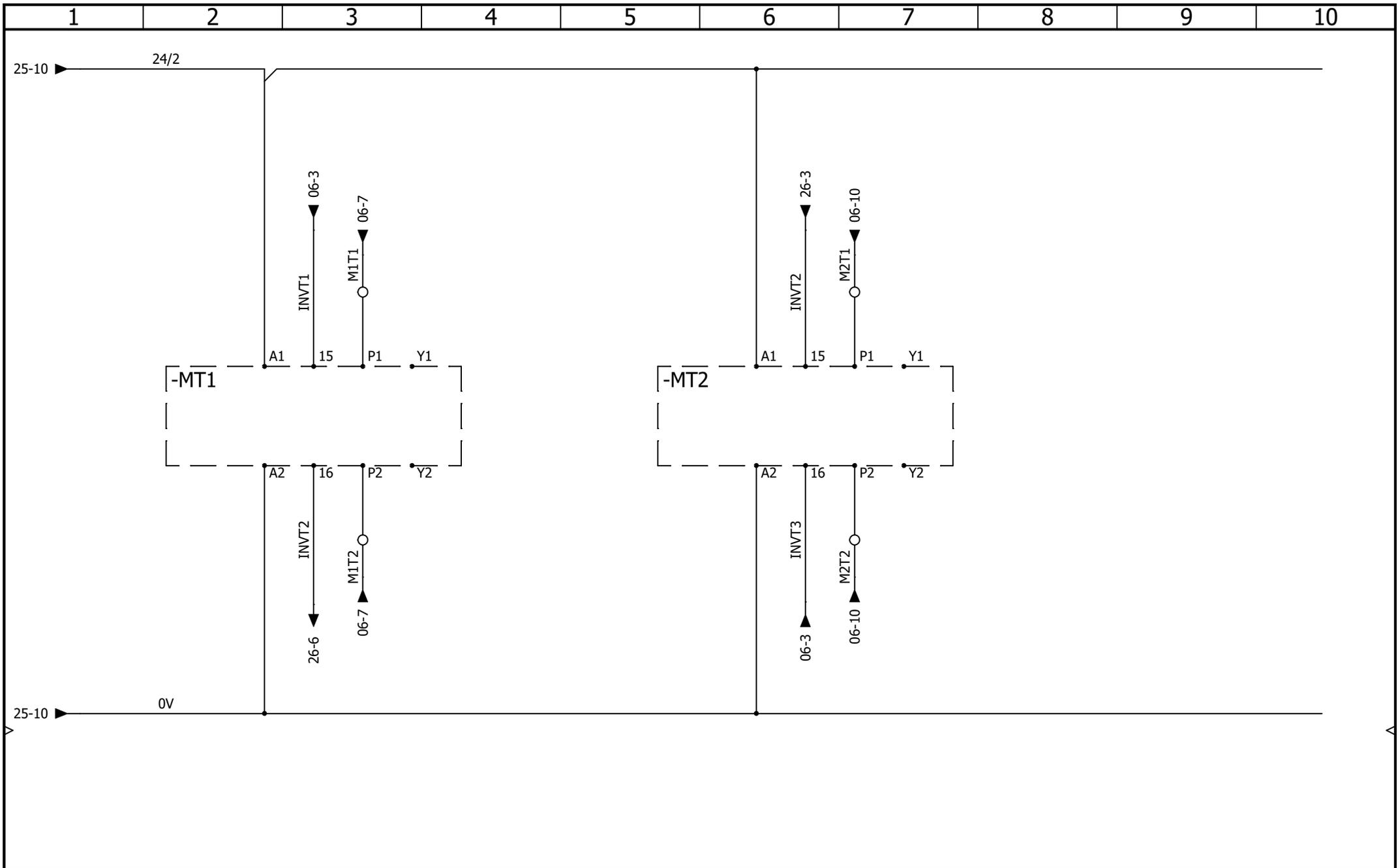
Control Panel
ENCODER INPUT 1

0	19/09/2025	TW					
REV.	DATE	NAME	CHANGES				
User data 1				User data 2			

REVISION
0
SCHEME
25

CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1 Control Panel



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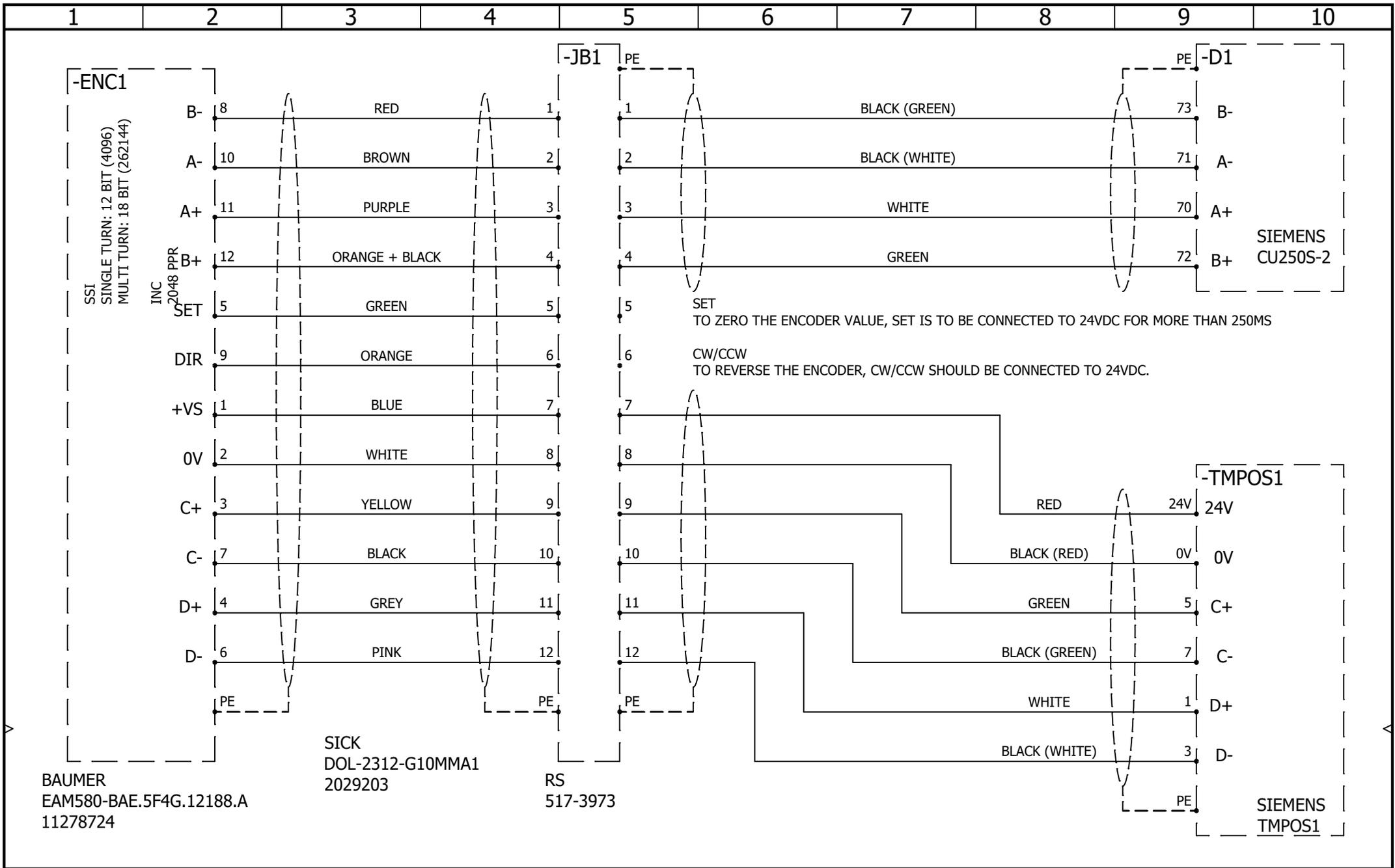
CONTRACT: 2492 - GILLIAN LYNNE

LOCATION: +L1

Control Panel
MOTOR THERMISTOR

Control Panel

				REVISION
				0
0	19/09/2025	TW		
REV.	DATE	NAME	CHANGES	SCHEME
User data 1			User data 2	26



BAUMER
EAM580-BAE.5F4G.12188.A
11278724

SICK
DOL-2312-G10MMA1
2029203

RS
517-3973

 AAC Technical Services Ltd Unit 2, Brunel Business Court Brunel Way, Thetford, Norfolk IP24 1HP	Control Panel ENCODER SPLITTER BOX WIRING			REVISION 0												
	CONTRACT: 2492 - GILLIAN LYNNE	LOCATION: +L1	Control Panel	<table border="1"> <tr> <td>0</td> <td>19/09/2025</td> <td>TW</td> <td></td> </tr> <tr> <th>REV.</th> <th>DATE</th> <th>NAME</th> <th>CHANGES</th> </tr> <tr> <td colspan="3">User data 1</td> <td>User data 2</td> </tr> </table>	0	19/09/2025	TW		REV.	DATE	NAME	CHANGES	User data 1			User data 2
	0	19/09/2025	TW													
REV.	DATE	NAME	CHANGES													
User data 1			User data 2													
			SCHEME 27													