1	2	3	4	5	6	7	8	9	10

AIRBLAST

SeAH - VENTHERM

CHILLED WATER

2648

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

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

CHILLED WATER PANEL
Cover page

LOCATION: +L1 CHILLED WATER PANEL

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

User data 1

User data 2

REVISION 0

SCHEME 01

1-CHILLED WATER PANEL

Drawing	Description	Function	Location	Revision	Date	Created by
01	Cover page	=F1	+L1	0	28/09/2026	TW
02	Drawings list	=F1	+L1	0	28/09/2026	TW
03	Drawings list	=F1	+L1	0	28/09/2026	TW
04	POWER DISTRIBUTION	=F1	+L1	0	28/09/2026	TW
05	24V DISTRIBUTION	=F1	+L1	0	28/09/2026	TW
06	SAFETY CIRCUIT	=F1	+L1	0	28/09/2026	TW
07	CONTROL VALVE 1 & 2	=F1	+L1	0	28/09/2026	TW
08	CONTROL VALVE 3 & 4	=F1	+L1	0	28/09/2026	TW
09	CONTROL VALVE 5 & 6	=F1	+L1	0	28/09/2026	TW
10	PRIMARY PUMP CONTROL	=F1	+L1	0	28/09/2026	TW
11	SECONDARY PUMP CONTROL	=F1	+L1	0	28/09/2026	TW
12	CHILLER CONTROL	=F1	+L1	0	30/09/2026	TW
13	PLC LAYOUT	=F1	+L1	0	28/09/2026	TW
14	DIGITAL INPUTS 1.1	=F1	+L1	0	28/09/2026	TW
15	DIGITAL INPUTS 1.2	=F1	+L1	0	28/09/2026	TW
16	DIGITAL INPUTS 1.3	=F1	+L1	0	28/09/2026	TW
17	DIGITAL INPUTS 1.4	=F1	+L1	0	28/09/2026	TW
18	DIGITAL OUTPUTS 1.1	=F1	+L1	0	28/09/2026	TW
19	DIGITAL OUTPUTS 1.2	=F1	+L1	0	28/09/2026	TW
20	DIGITAL OUTPUTS 1.3	=F1	+L1	0	28/09/2026	TW

-> 1-CHILLED WATER PANEL

Drawing	Description	Function	Location	Revision	Date	Created by
21	DIGITAL OUTPUTS 1.4	=F1	+L1	0	28/09/2026	TW
22	ANALOGUE INPUTS 1	=F1	+L1	0	28/09/2026	TW
23	ANALOGUE OUTPUTS 1	=F1	+L1	0	28/09/2026	TW

AAC Technical Services Ltd
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CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

CHILLED WATER PANEL

Drawings list

LOCATION: +L1 CHILLED WATER PANEL

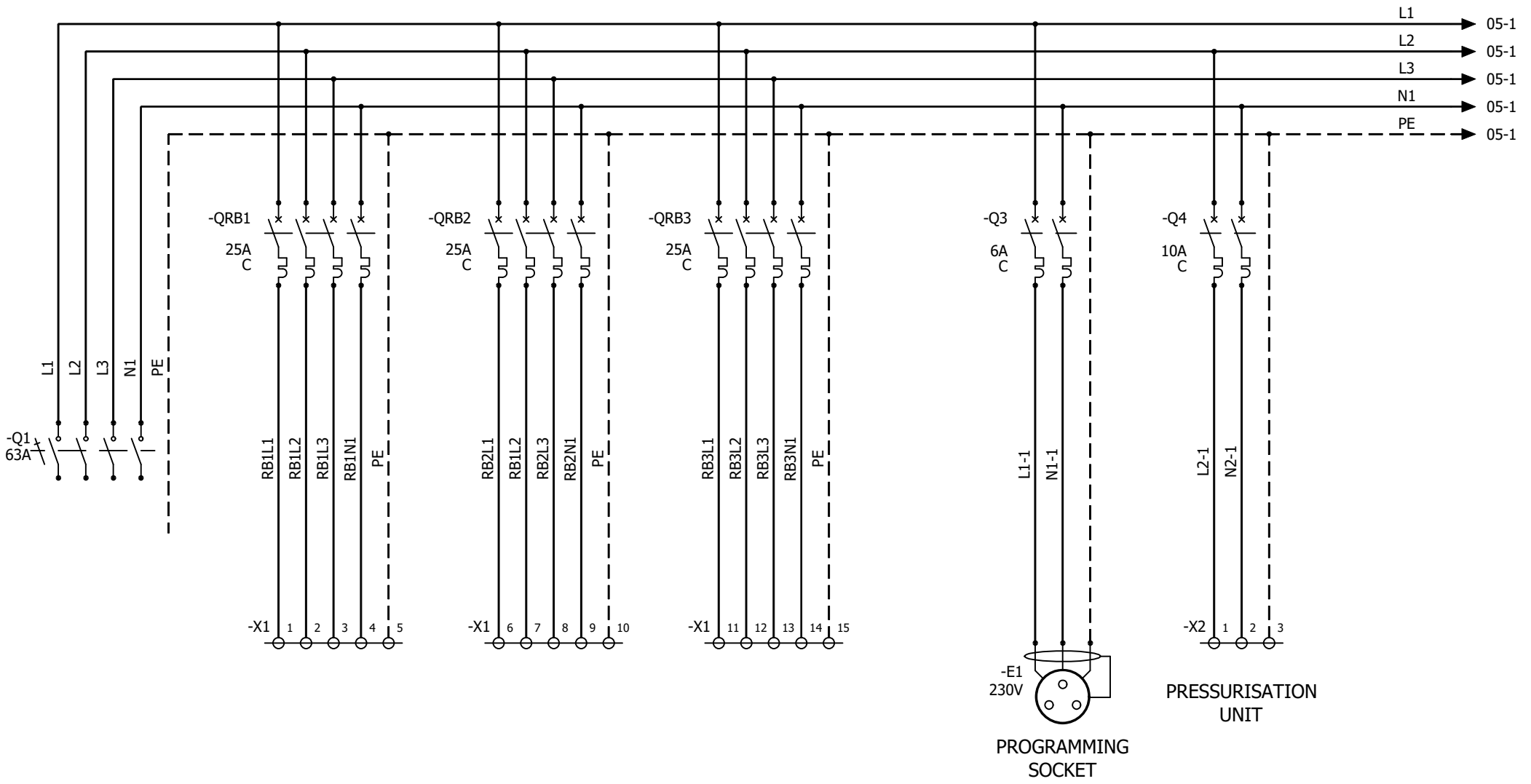
REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

User data 1

User data 2

REVISION 0

SCHEME 03



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Brunel Way, Thetford, Norfolk IP24 1HP

CHILLED WATER PANEL
POWER DISTRIBUTION

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

User data 1

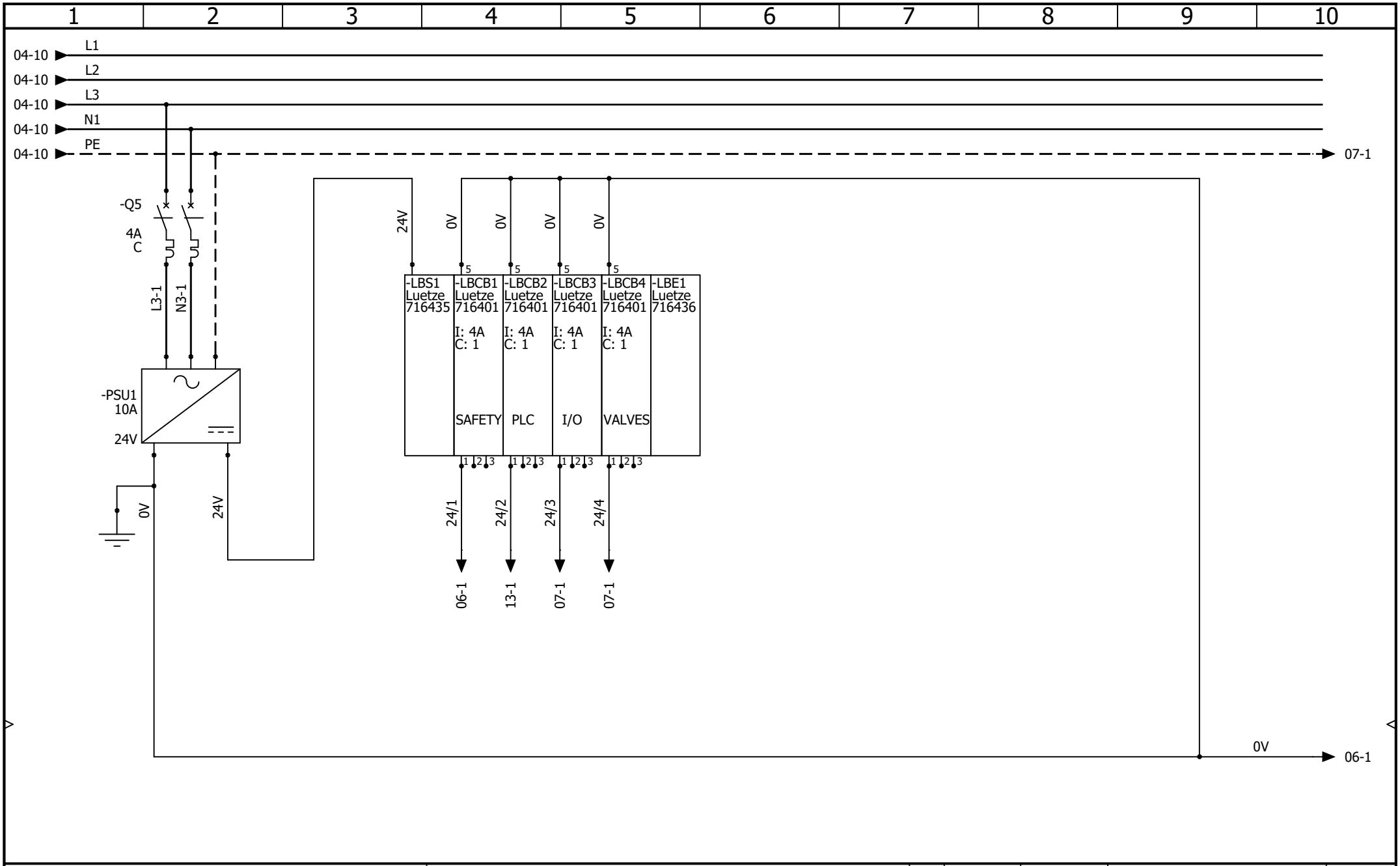
User data 2

REVISION 0

SCHEME 04

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

LOCATION: +L1 CHILLED WATER PANEL



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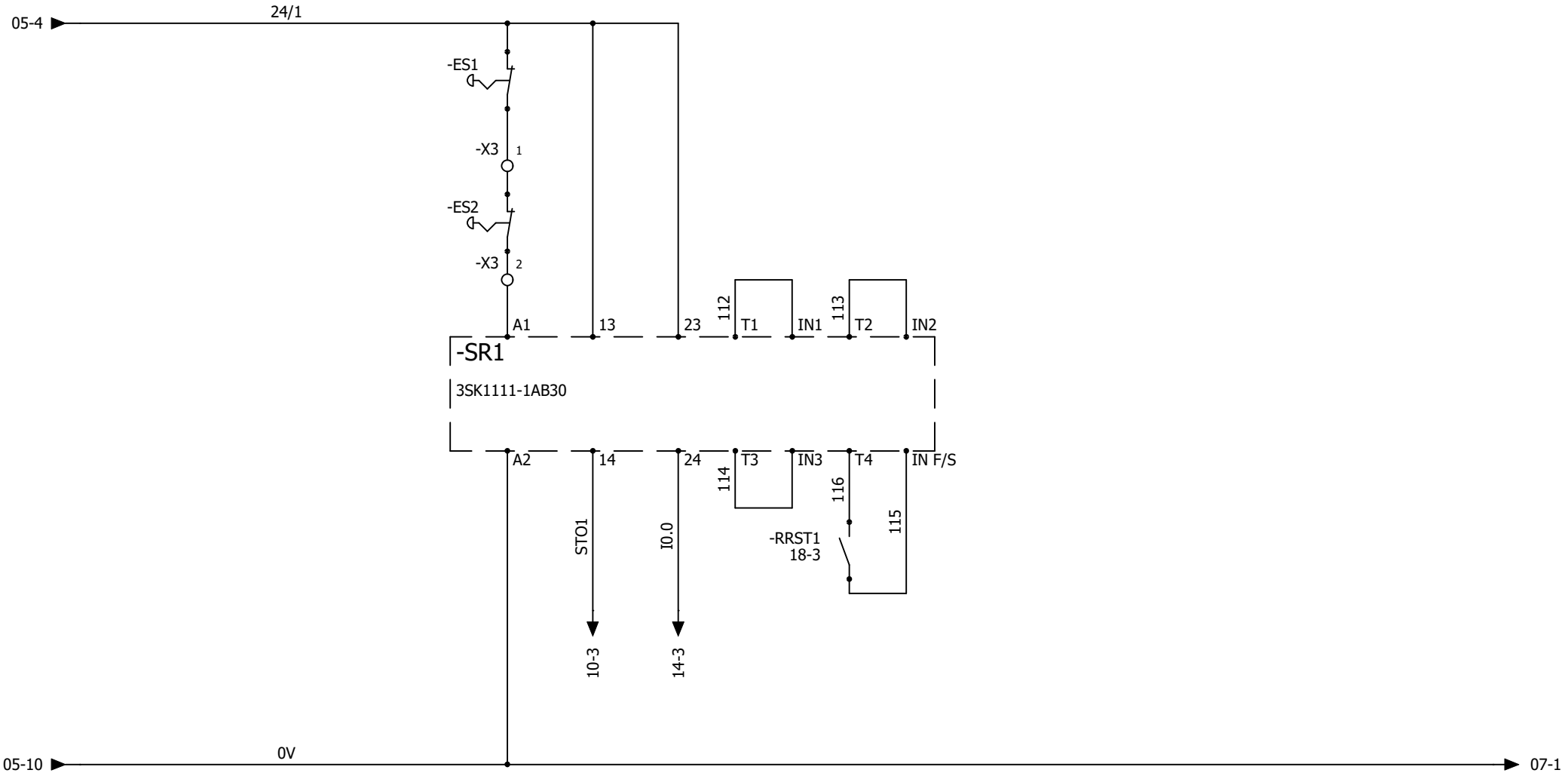
Brunel Way, Thetford, Norfolk IP24 1HP

CHILLED WATER PANEL
24V DISTRIBUTION

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

REVISION 0
SCHEME 05

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648
LOCATION: +L1 CHILLED WATER PANEL
User data 1
User data 2

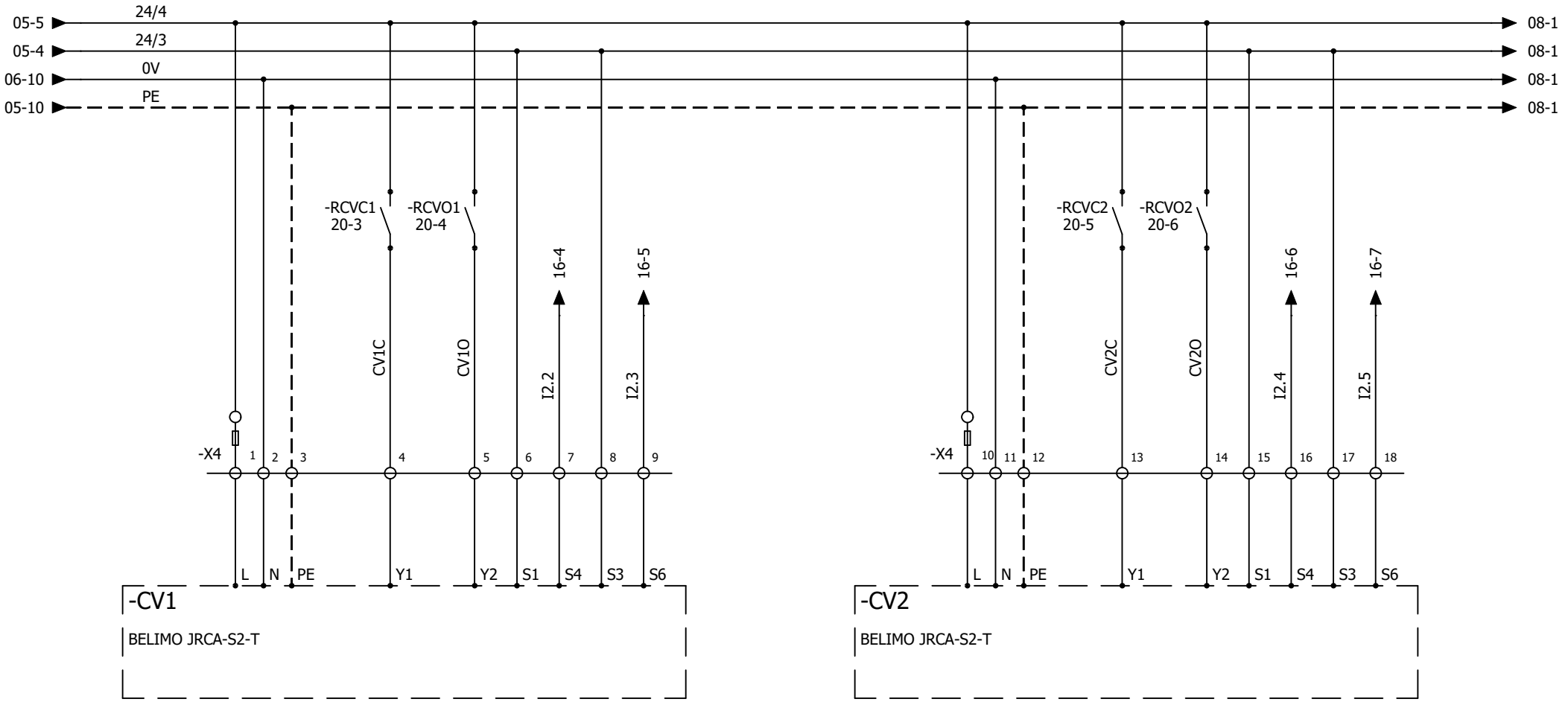


AAC Technical Services Ltd Unit 2, Brunel Business Court Brunel Way, Thetford, Norfolk IP24 1HP	CHILLED WATER PANEL SAFETY CIRCUIT	REVISION 0
CONTRACT: AIRBLAST - SeAH - VENTHERM 2648	LOCATION: +L1 CHILLED WATER PANEL	SCHEME 06

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

User data 1

User data 2



AAC Technical Services Ltd
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Brunel Way, Thetford, Norfolk IP24 1HP

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

CHILLED WATER PANEL

CONTROL VALVE 1 & 2

LOCATION: +L1 CHILLED WATER PANEL

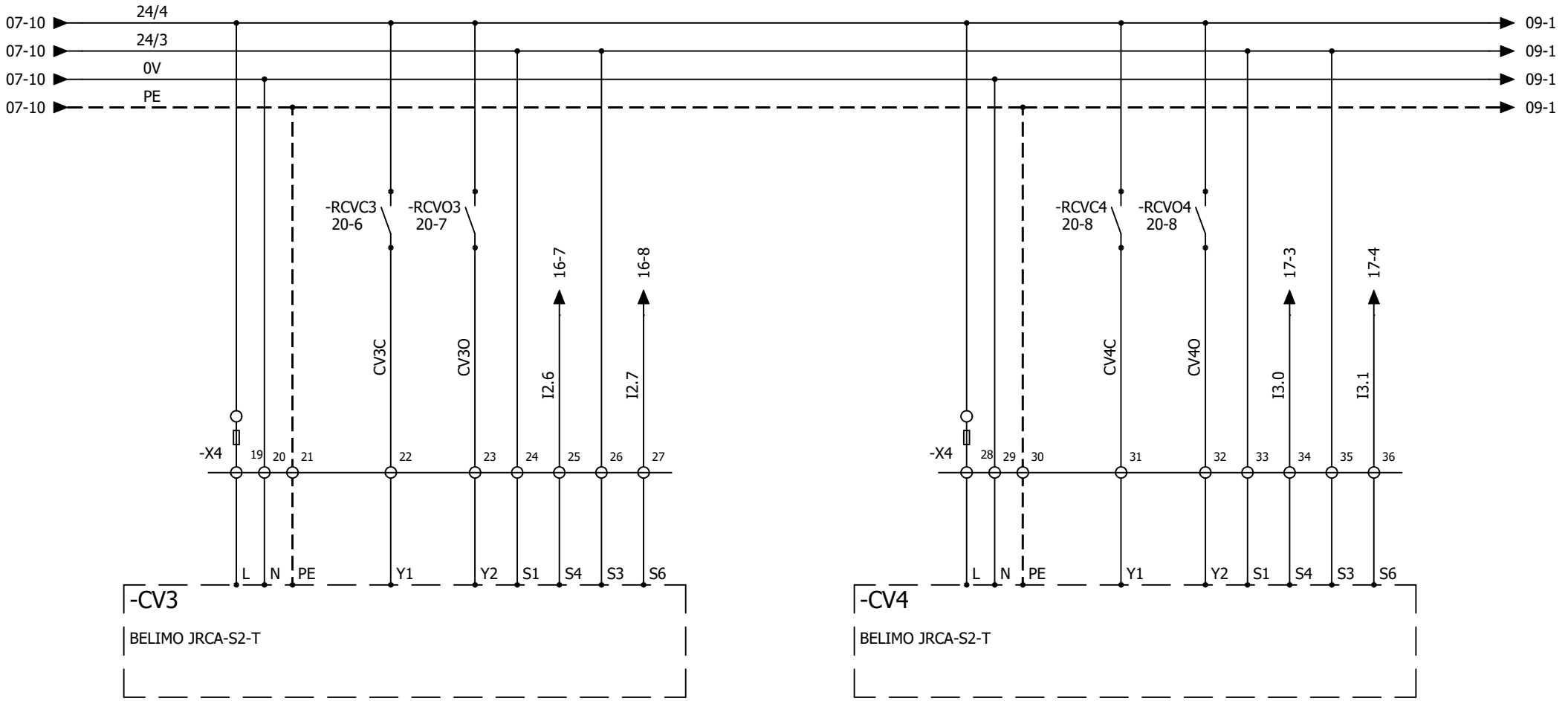
REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

User data 1

User data 2

REVISION 0

SCHEME 07



1	2	3	4	5	6	7	8	9	10

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CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

CHILLED WATER PANEL
CONTROL VALVE 3 & 4

LOCATION: +L1 CHILLED WATER PANEL

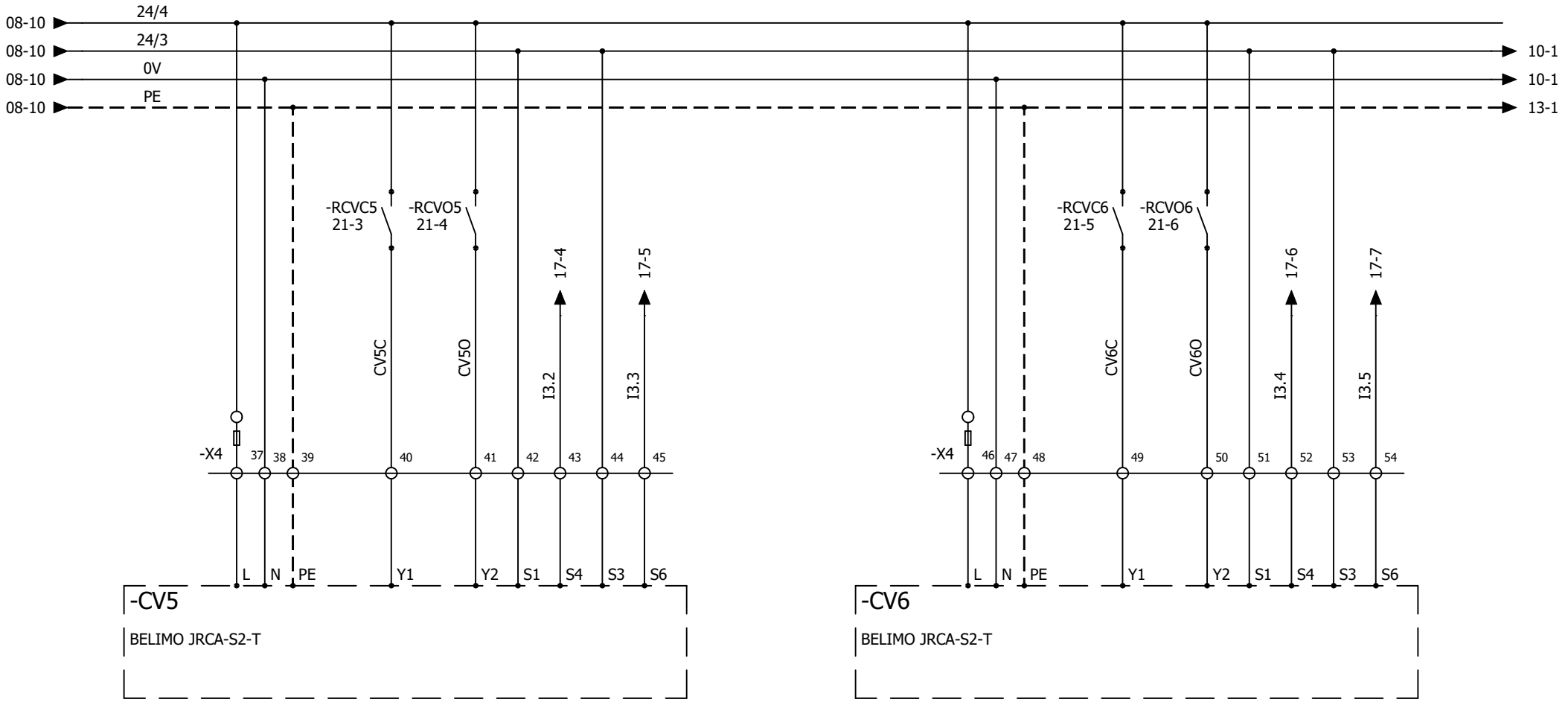
REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

User data 1

User data 2

REVISION 0

SCHEME 08



1	2	3	4	5	6	7	8	9	10

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CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

CHILLED WATER PANEL
CONTROL VALVE 5 & 6

LOCATION: +L1 CHILLED WATER PANEL

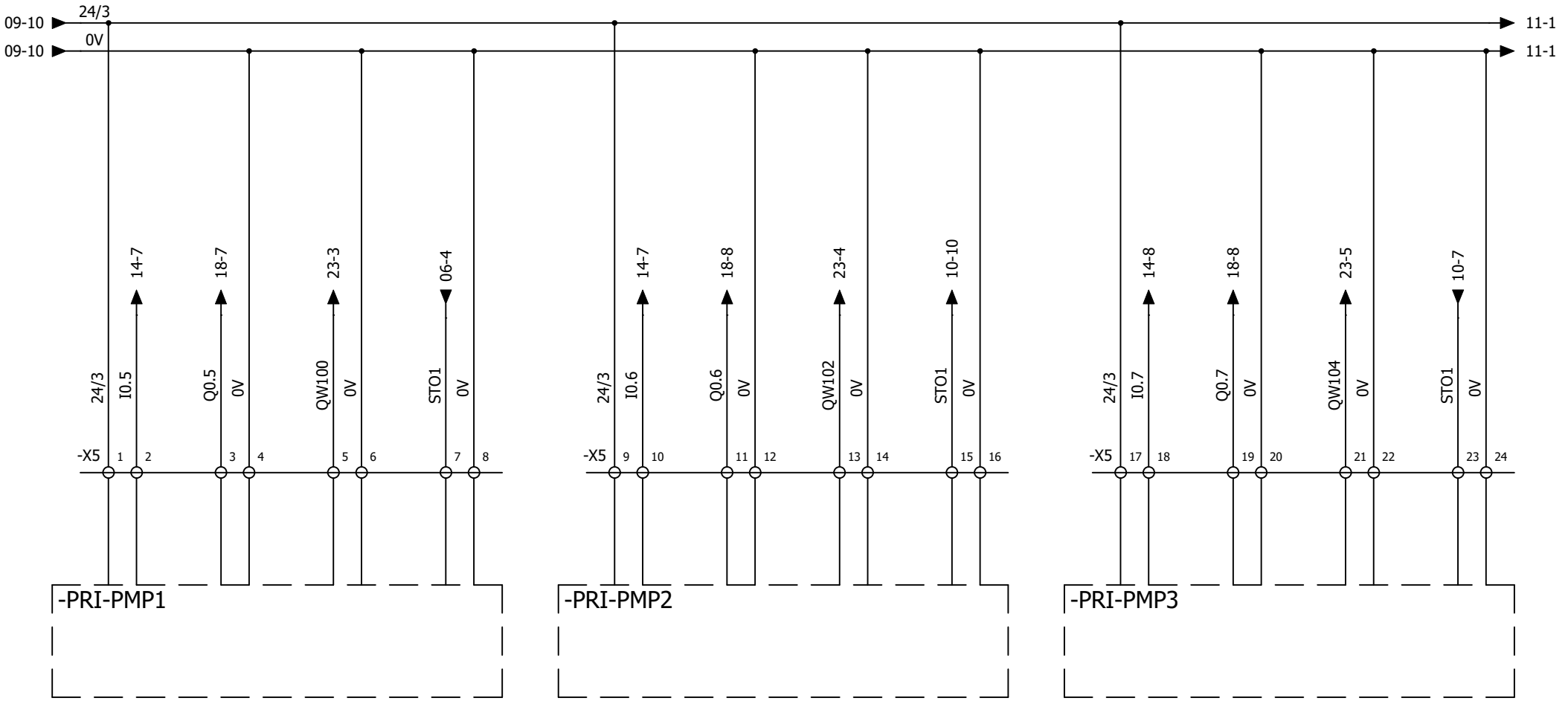
REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

User data 1

User data 2

REVISION 0

SCHEME 09



AAC Technical Services Ltd
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Brunel Way, Thetford, Norfolk IP24 1HP

CHILLED WATER PANEL

PRIMARY PUMP CONTROL

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

REVISION 0

SCHEME 10

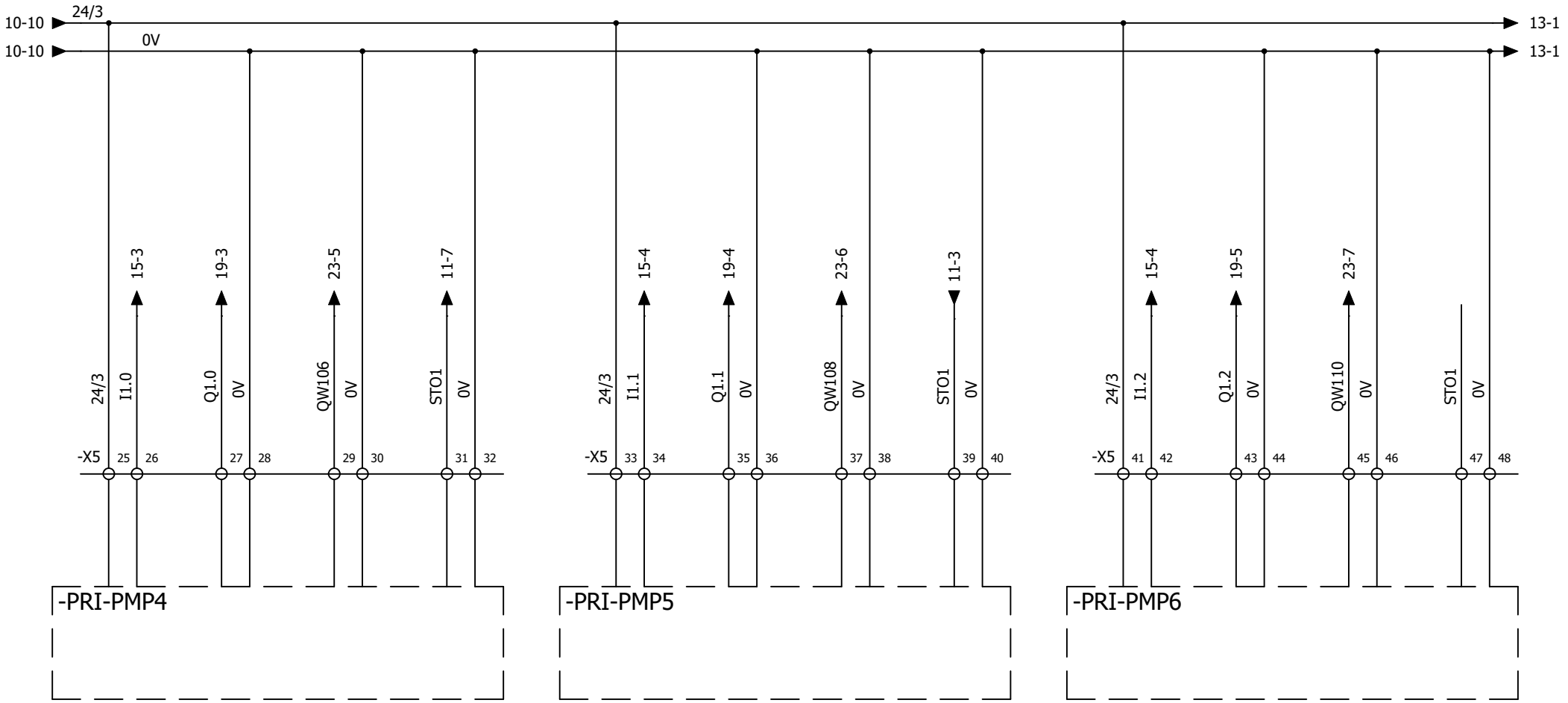
CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

LOCATION: +L1

CHILLED WATER PANEL

User data 1

User data 2



AAC Technical Services Ltd
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Brunel Way, Thetford, Norfolk IP24 1HP

CHILLED WATER PANEL
SECONDARY PUMP CONTROL

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

REVISION 0

SCHEME 11

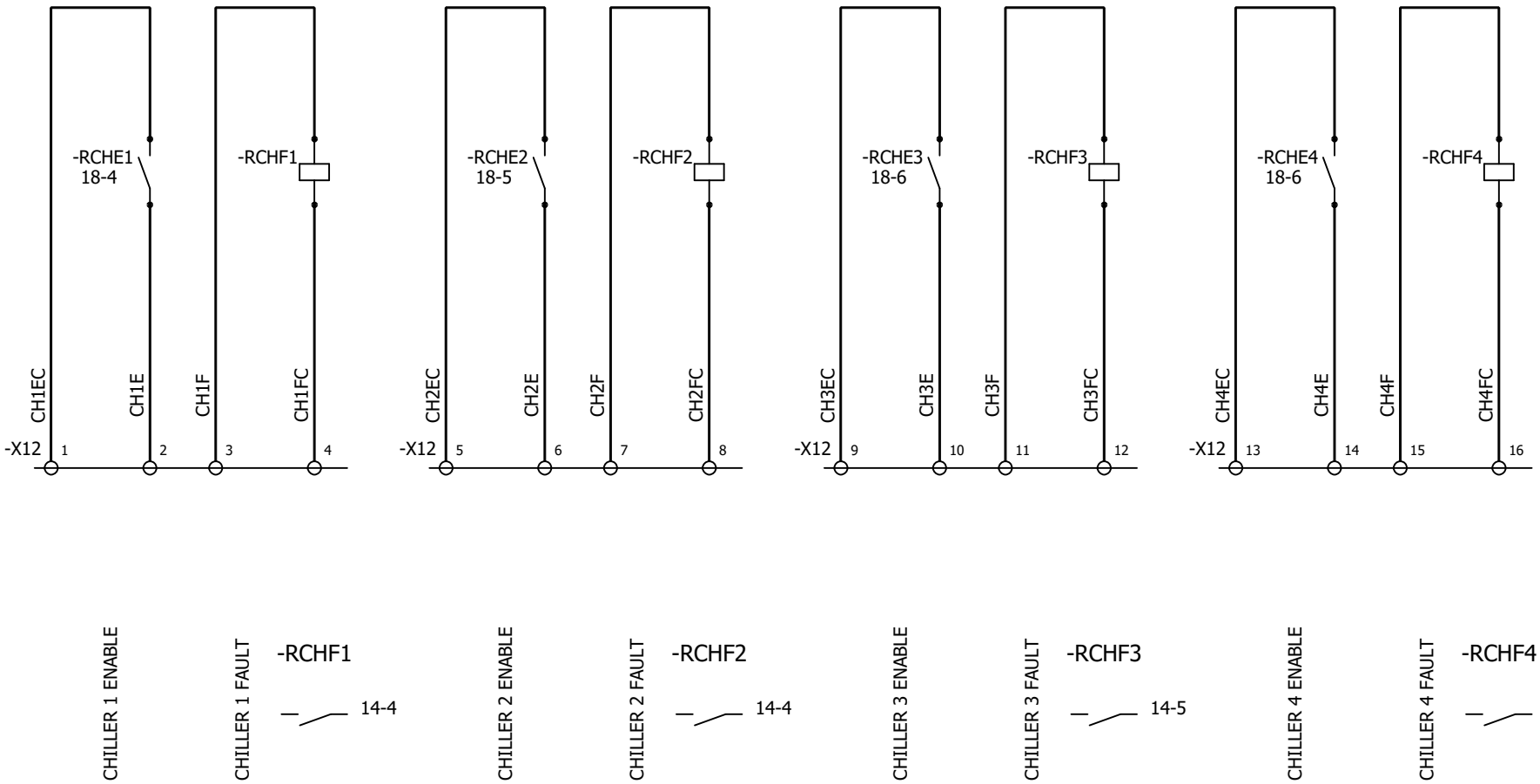
CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

LOCATION: +L1

CHILLED WATER PANEL

User data 1

User data 2



AAC Technical Services Ltd
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Brunel Way, Thetford, Norfolk IP24 1HP

CHILLED WATER PANEL
CHILLER CONTROL

REV.	DATE	NAME	CHANGES
0	30/09/2026	TW	

REVISION 0

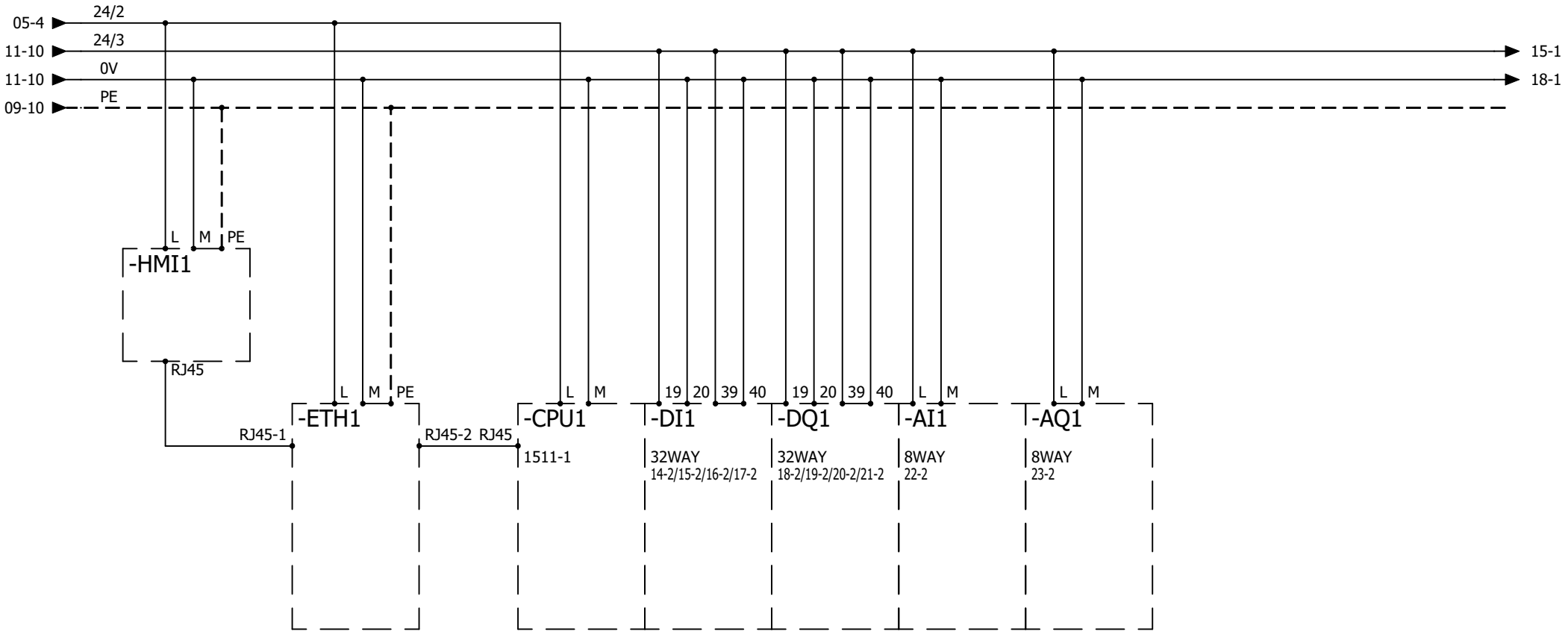
SCHEME 12

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

LOCATION: +L1 CHILLED WATER PANEL

User data 1

User data 2



AAC Technical Services Ltd
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CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

CHILLED WATER PANEL

PLC LAYOUT

LOCATION: +L1 CHILLED WATER PANEL

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

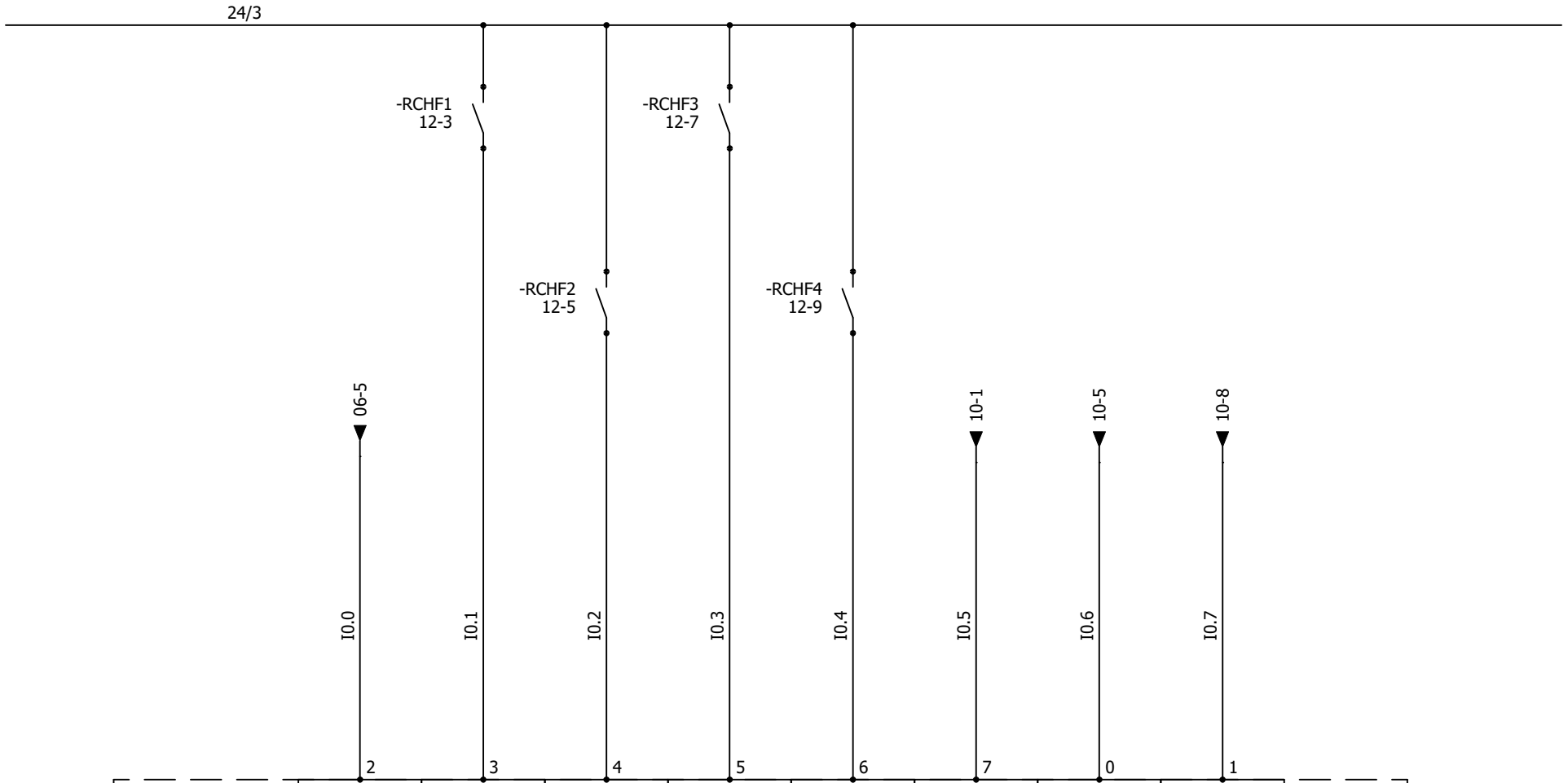
User data 1

User data 2

REVISION 0

SCHEME 13

1	2	3	4	5	6	7	8	9	10



-DI1

32WAY
13-5/15-2/16-2/17-2

I0.0	I0.1	I0.2	I0.3	I0.4	I0.5	I0.6	I0.7
EMERGENCY STOP OK	CHILLER 1 FAULT	CHILLER 2 FAULT	CHILLER 3 FAULT	CHILLER 4 FAULT	PRIMARY PUMP 1 FAULT	PRIMARY PUMP 2 FAULT	PRIMARY PUMP 3 FAULT

AAC Technical Services Ltd
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CHILLED WATER PANEL

DIGITAL INPUTS 1.1

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

LOCATION: +L1 CHILLED WATER PANEL

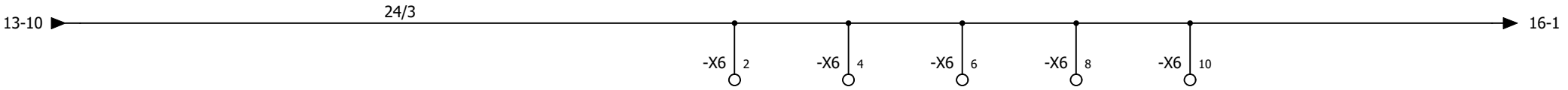
User data 1

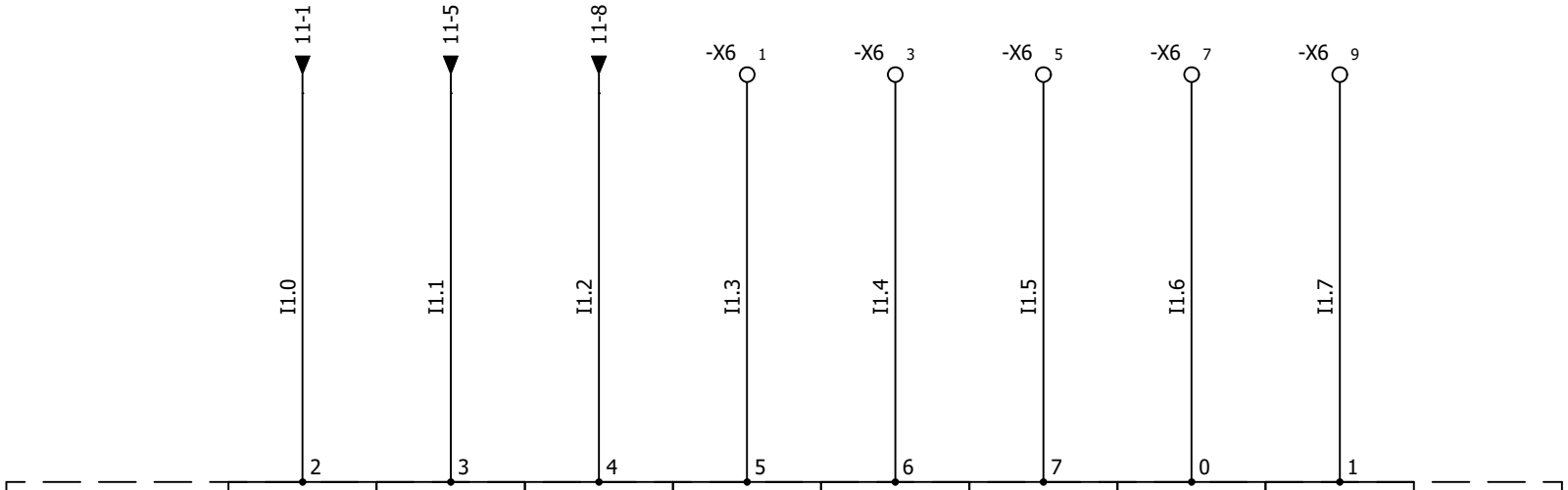
User data 2

REVISION 0

SCHEME 14

1	2	3	4	5	6	7	8	9	10





-DI1

32WAY
13-5/14-2/16-2/17-2

I1.0	I1.1	I1.2	I1.3	I1.4	I1.5	I1.6	I1.7
SECONDARY PUMP 1 FAULT	SECONDARY PUMP 2 FAULT	SECONDARY PUMP 3 FAULT	PRIMARY PUMP 1 DPS	PRIMARY PUMP 2 DPS	PRIMARY PUMP 3 DPS	SECONDARY PUMP 1 DPS	SECONDARY PUMP 2 DPS

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

CHILLED WATER PANEL

DIGITAL INPUTS 1.2

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

LOCATION: +L1 CHILLED WATER PANEL

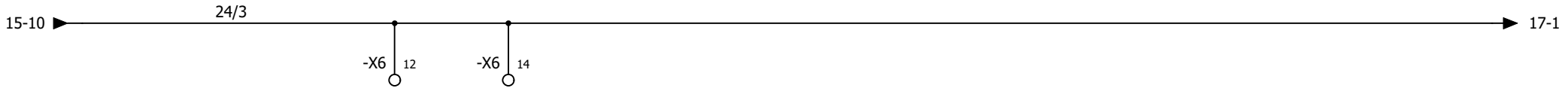
User data 1

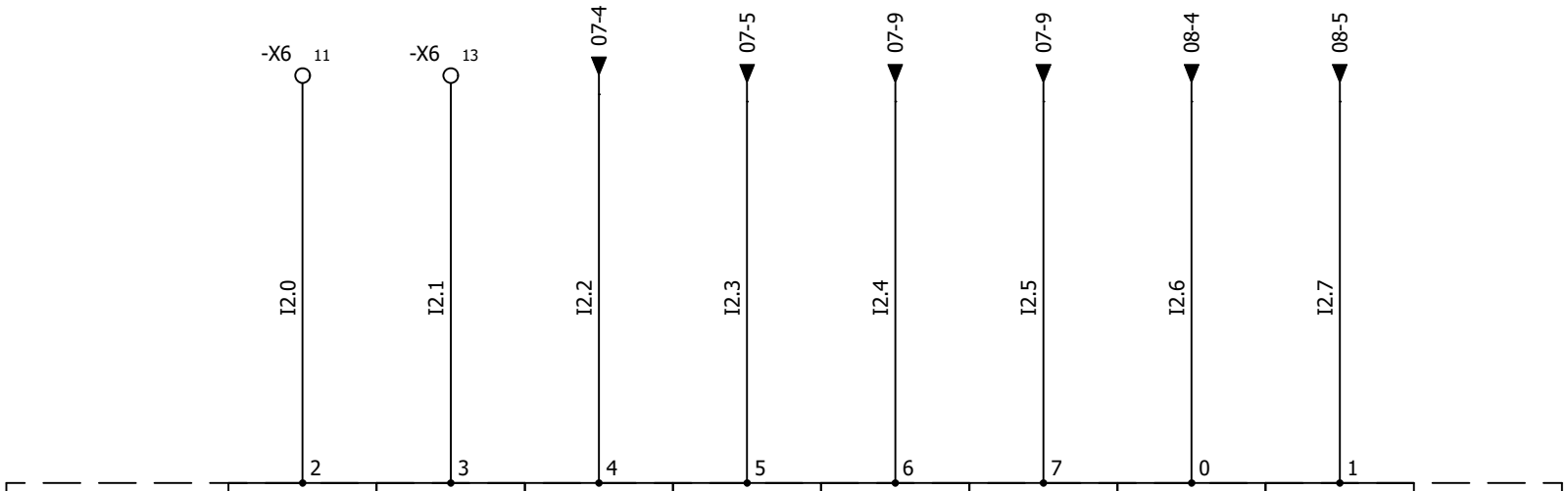
User data 2

REVISION 0

SCHEME 15

1	2	3	4	5	6	7	8	9	10





-DI1

32WAY
13-5/14-2/15-2/17-2

I2.0	I2.1	I2.2	I2.3	I2.4	I2.5	I2.6	I2.7
SECONDARY PUMP 3 DPS	PRESS. UNIT FAULT	CHILLER 1 CV CLOSED	CHILLER 1 CV OPEN	CHILLER 2 CV CLOSED	CHILLER 2 CV OPEN	CHILLER 3 CV CLOSED	CHILLER 3 CV OPEN

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

CHILLED WATER PANEL

DIGITAL INPUTS 1.3

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

LOCATION: +L1 CHILLED WATER PANEL

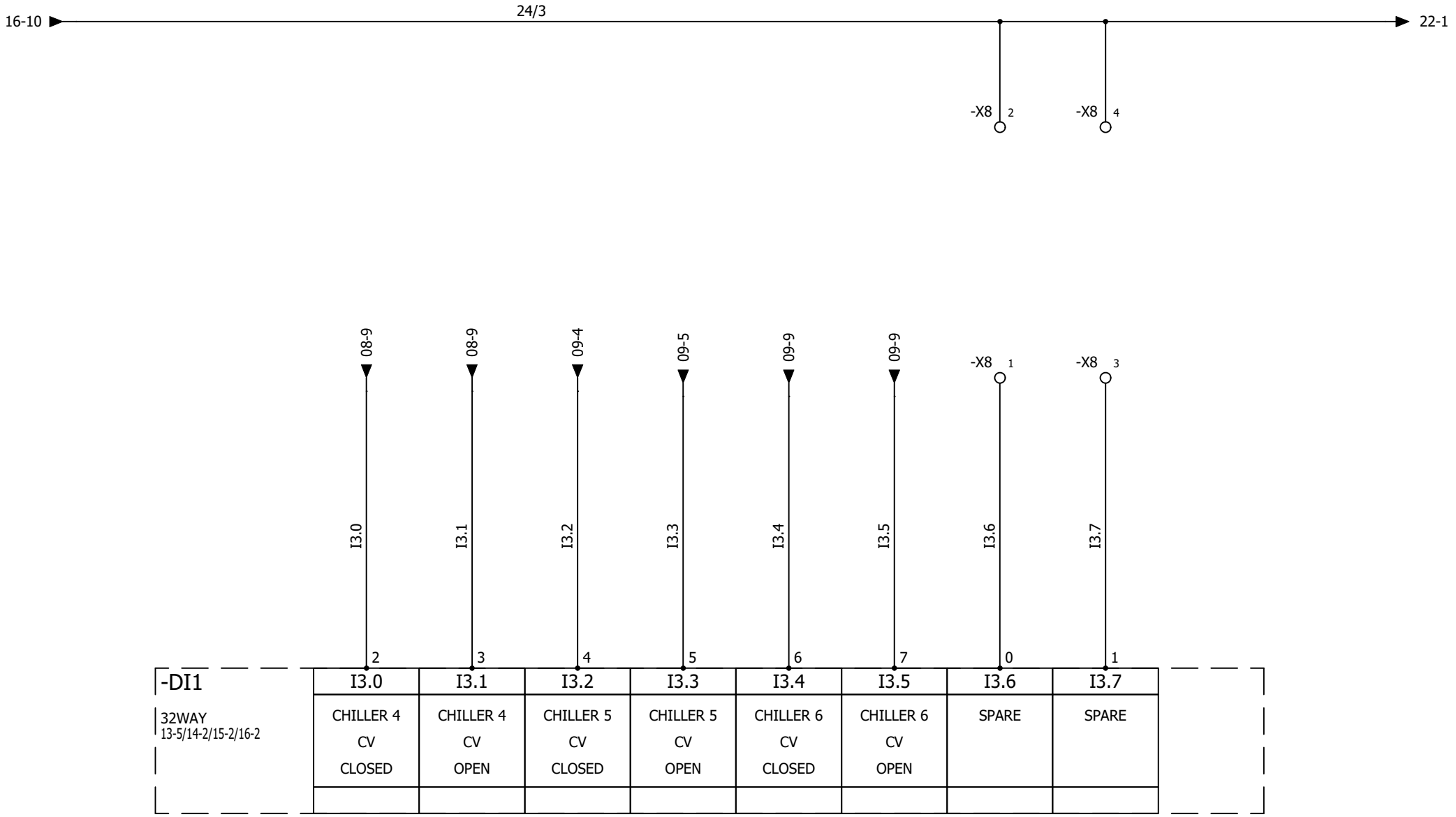
User data 1

User data 2

REVISION 0

SCHEME 16

1	2	3	4	5	6	7	8	9	10



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

CHILLED WATER PANEL

DIGITAL INPUTS 1.4

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

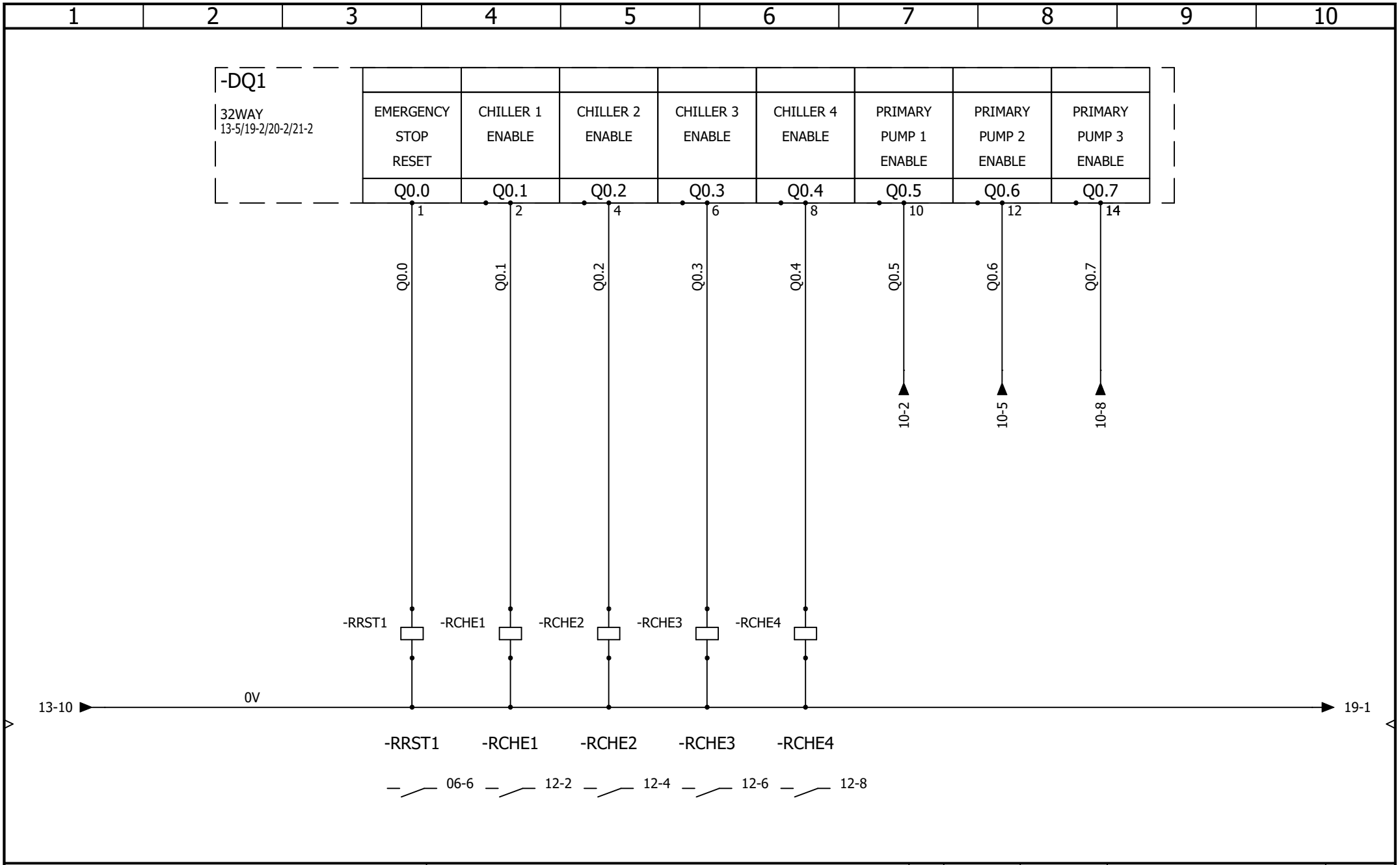
LOCATION: +L1 CHILLED WATER PANEL

User data 1

User data 2

REVISION 0

SCHEME 17



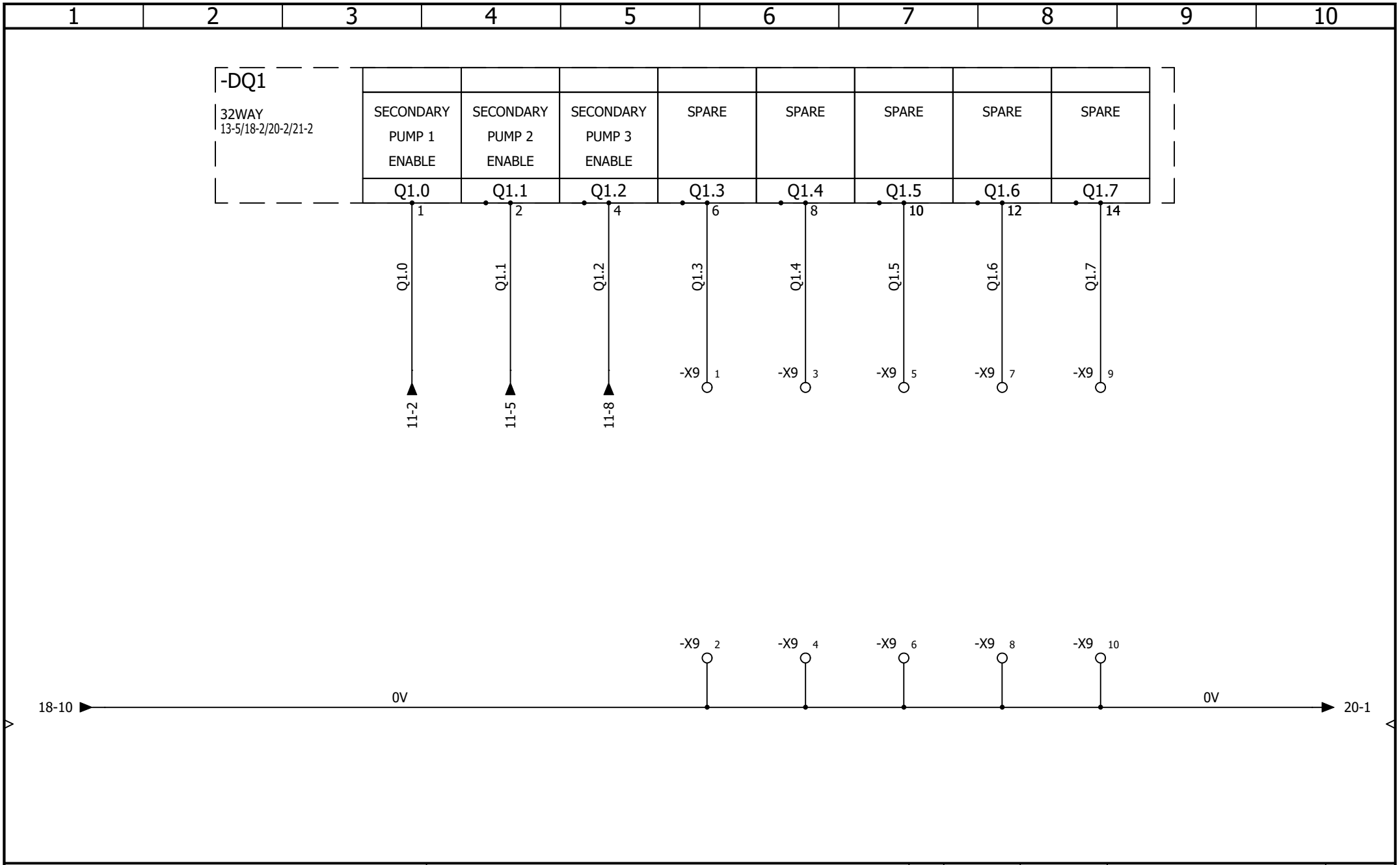
AAC Technical Services Ltd
Unit 2, Brunel Business Court
Brunel Way, Thetford, Norfolk IP24 1HP

CHILLED WATER PANEL
DIGITAL OUTPUTS 1.1

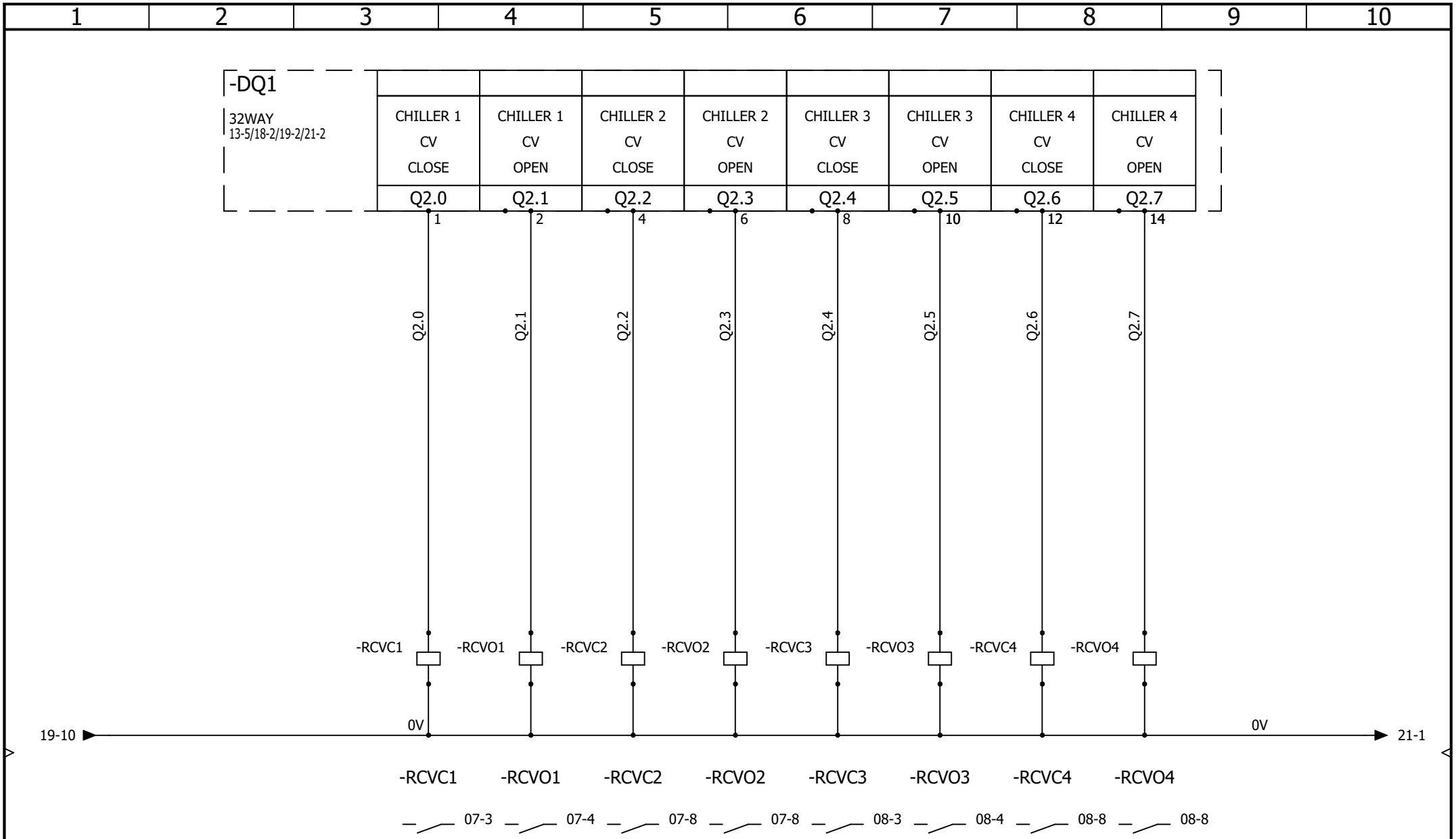
REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648
LOCATION: +L1 CHILLED WATER PANEL
User data 1
User data 2

REVISION 0
SCHEME 18



AAC Technical Services Ltd Unit 2, Brunel Business Court Brunel Way, Thetford, Norfolk IP24 1HP	CHILLED WATER PANEL DIGITAL OUTPUTS 1.2				REVISION 0
		0	28/09/2026	TW	SCHEME 19
		REV.	DATE	NAME	CHANGES
CONTRACT: AIRBLAST - SeAH - VENTHERM 2648	LOCATION: +L1 CHILLED WATER PANEL	User data 1		User data 2	

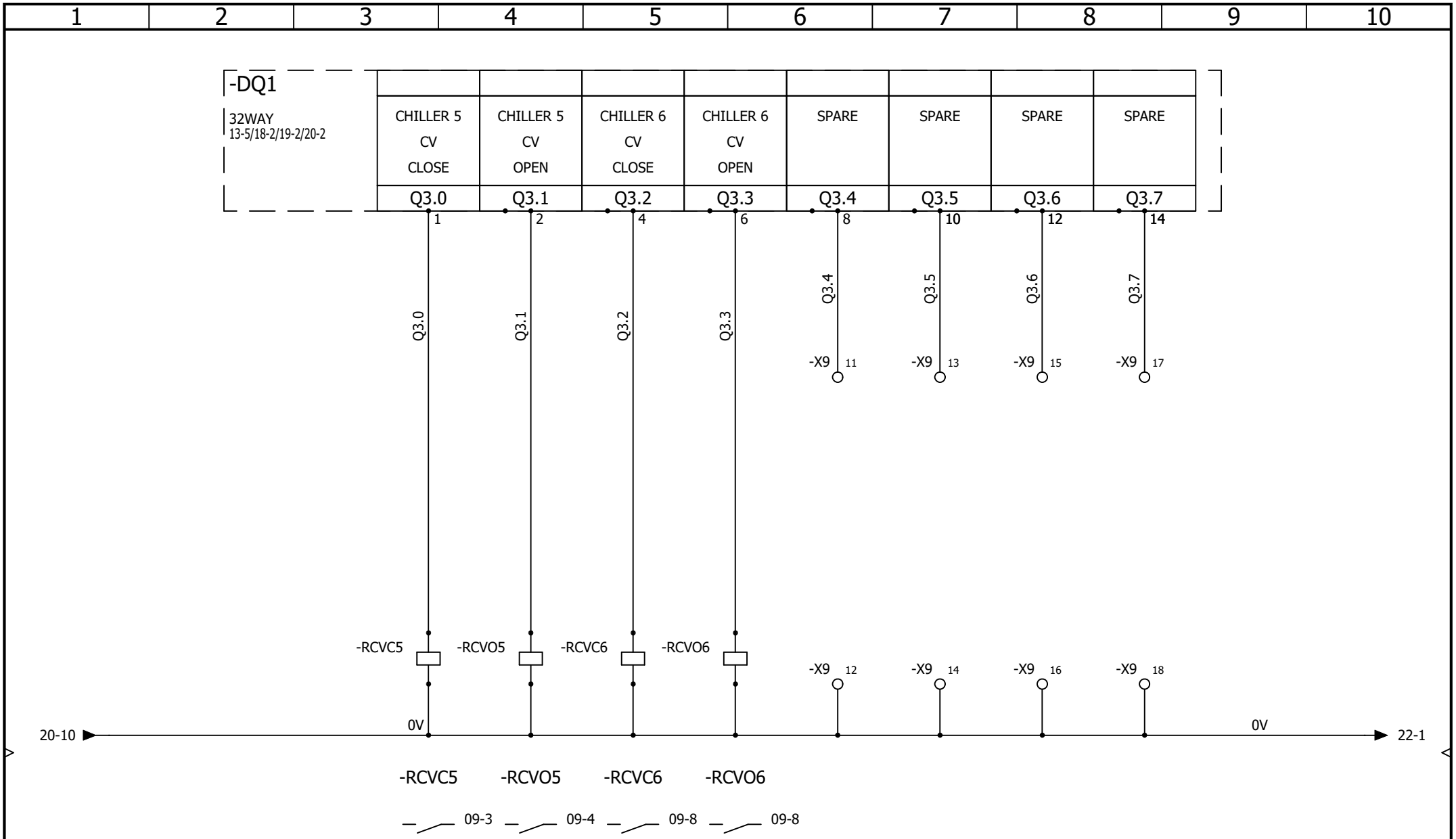


AAC Technical Services Ltd Unit 2, Brunel Business Court Brunel Way, Thetford, Norfolk IP24 1HP	CHILLED WATER PANEL DIGITAL OUTPUTS 1.3	REVISION 0 SCHEME 20
CONTRACT: AIRBLAST - SeAH - VENTHERM 2648	LOCATION: +L1 CHILLED WATER PANEL	

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

User data 1

User data 2



AAC Technical Services Ltd
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Brunel Way, Thetford, Norfolk IP24 1HP

CHILLED WATER PANEL
DIGITAL OUTPUTS 1.4

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

REVISION 0

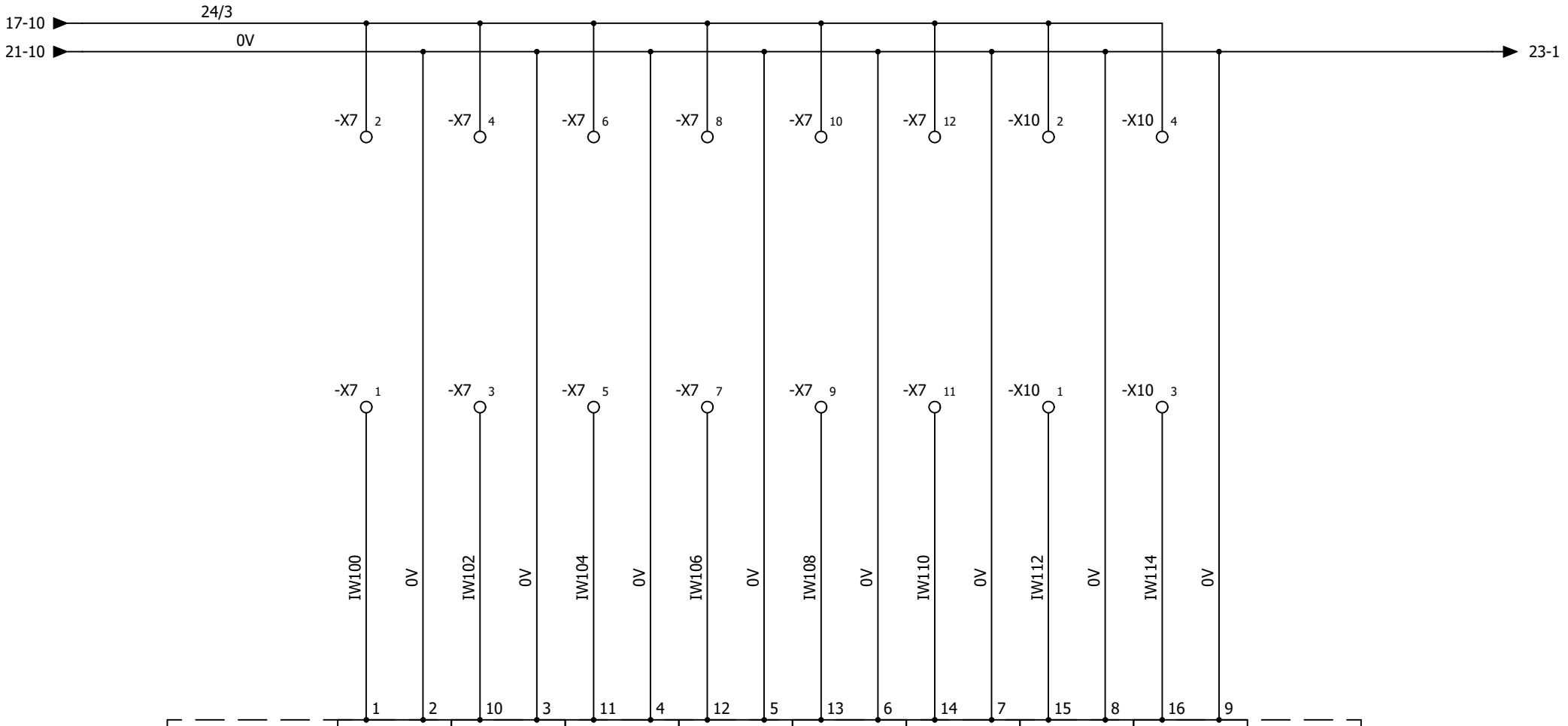
SCHEME 21

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

LOCATION: +L1 CHILLED WATER PANEL

User data 1

User data 2



-AI1	IW100	IW102	IW104	IW106	IW108	IW110	IW112	IW114
8WAY 13-6	PRIMARY CIRCUIT DPT	SECONDARY CIRCUIT DPT	PRIMARY FLOW TEMPERATURE	PRIMARY RETURN TEMPERATURE	SECONDARY FLOW TEMPERATURE	SECONDARY RETURN TEMPERATURE	SPARE	SPARE
	4-20mA	4-20mA	4-20mA	4-20mA	4-20mA	4-20mA	4-20mA	4-20mA

AAC Technical Services Ltd
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Brunel Way, Thetford, Norfolk IP24 1HP

CHILLED WATER PANEL

ANALOGUE INPUTS 1

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

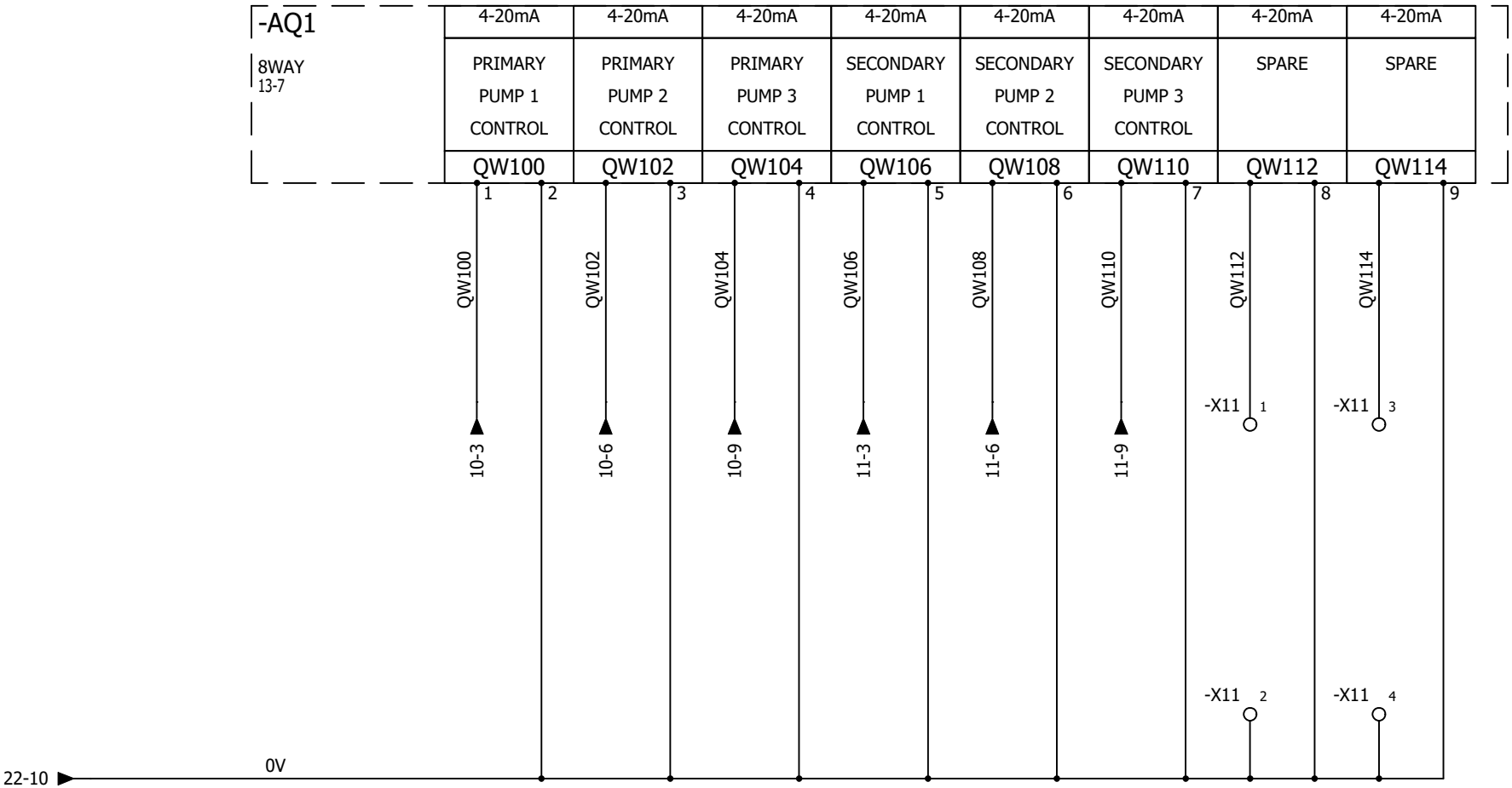
LOCATION: +L1 CHILLED WATER PANEL

User data 1

User data 2

REVISION 0

SCHEME 22



1	2	3	4	5	6	7	8	9	10

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

CONTRACT: AIRBLAST - SeAH - VENTHERM 2648

CHILLED WATER PANEL
ANALOGUE OUTPUTS 1

LOCATION: +L1 CHILLED WATER PANEL

REV.	DATE	NAME	CHANGES
0	28/09/2026	TW	

User data 1

User data 2

REVISION 0

SCHEME 23