







OWNER:  شرکت سست و نوبی توسعه ایرانلیان (سهامی منتهی الیه)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>							EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	
MC :  شرکت سست و نوبی توسعه ایرانلیان (سهامی منتهی الیه)	<b>LOOP DIAGRAM FOR NITROGEN GAS BOOSTER</b>							 Netherlands	
Owner Document Number: 17811-30A	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
	BU	20	VD	303	IN	DIG	0036	Rev.:	Page
								00	1 of 20

- Reply sheet to be submitted by vendor.
- Legend shall be added.
- All signals tag no. shall be clearly specified.(for ex. page 8)
- Description for each page shall be added.(for ex. pages 4,5,6 have not any subject)
- Multi cable tag no. shall be specified.
- Multi cable number of pair and cross section shall be specified.
- Terminal strips in JB side shall be specified.
- One terminal for multi cables overall screen inside of JB shall be considered.

## LOOP DIAGRAM FOR NITROGEN GAS BOOSTER

 		<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>	
<b>Document Review</b>			
Issue Purpose:	IFA		
Result Code: AP,AN,CM,RE,NC	CM		
Next Status : IFC,IFA,IFI,AFC,AB	IFA		
Responsible Department	MECHANICAL		
Commented Date	Nov/02/2021		
<b>Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.</b>			

00	18/10/2021	For approval	HT	KP	JR	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
					Class: 1	Phase: P





## Airpack B.V.

4301 RN Zierikzee  
The Netherlands

PHONE: (31) (0) 111 - 415455

FAX: (31) (0) 111 - 413338

E-MAIL : AIRPACK@AIRPACK.NL

WEBPAGE : WWW.AIRPACK.NL

Client : Bushehr Petrochemical Company (BUPC)

Equipment location : Iran, Onshore

Client reference : Bushehr MEG Plant Project

Client dwg. no. : BU-20-VD-303-IN-DIG-0036

Airpack reference : 17811-30A

Airpack dwg. no. : 17811-30A

Generation date : 18/10/2021

E & I manager : RBE

Last modifications : 18/10/2021

Last modifications by : htaher

Revision no. : 00



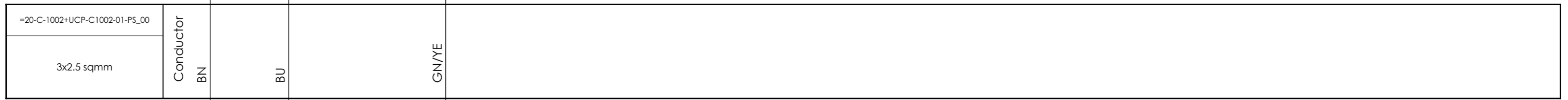
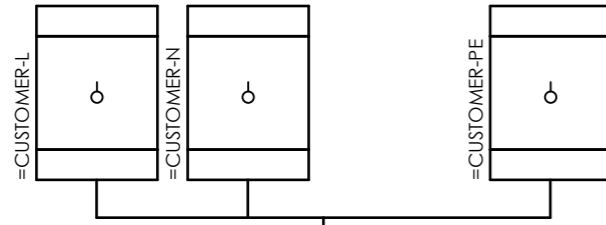
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0036
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!

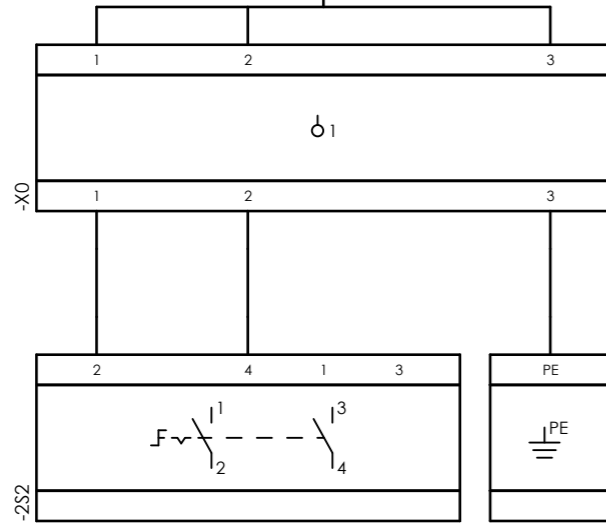
SUBJECT Title page / cover sheet	
ADAPTED TO P&ID REVISION	01
CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project
AIRPACK REF.	17811-30A

DRAWN BY	htaher	=
CHECKED BY	RBE	+
LAST MODIFICATION DATE		CURRENT PAGE
AIRPACK DWG NO.	17811-30A	
REVISION	00	
TOTAL PAGE AMOUNT	1	

Internal targets



External targets

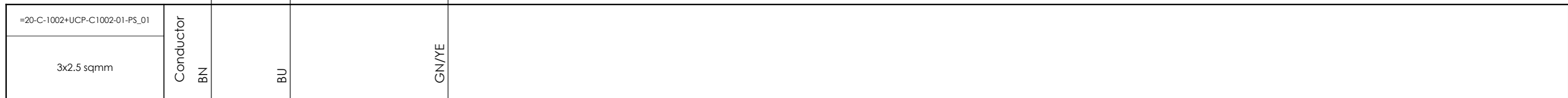
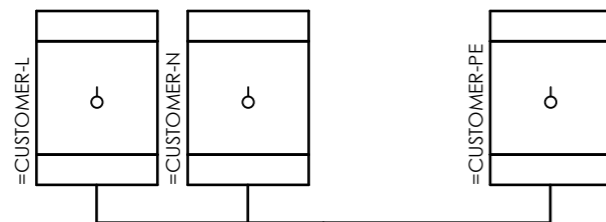


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EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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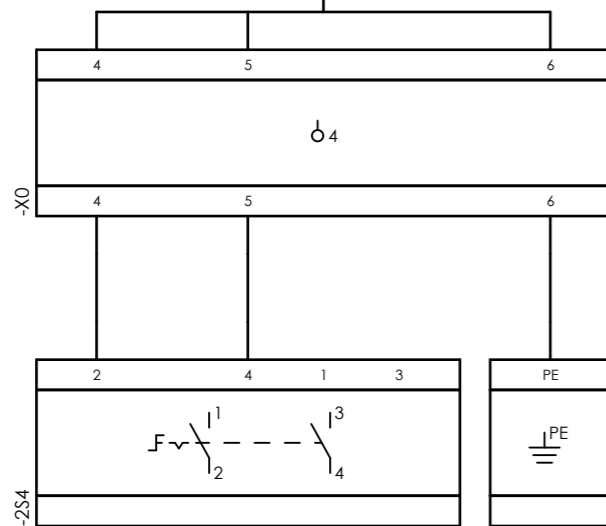
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ADAPTED TO P&ID REVISION	01	CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project	AIRPACK REF.	17811-30A

DRAWN BY	htaher	= 20-C-1002
CHECKED BY	RBE	+ LOOP DIAGRAMS
LAST MODIFICATION DATE		CURRENT PAGE
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REVISION	00	
TOTAL PAGE AMOUNT	2	

Internal targets



External targets

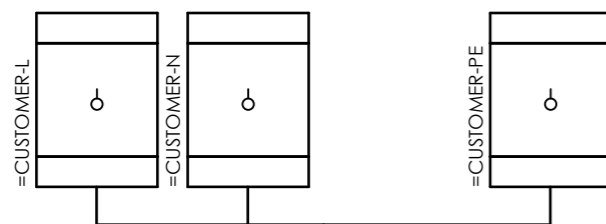


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EQUIPMENT NO.	20-C-1002
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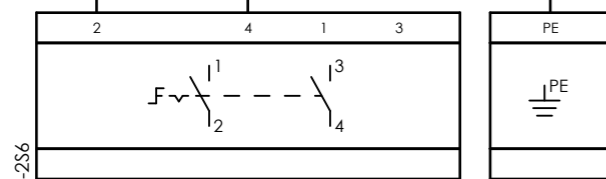
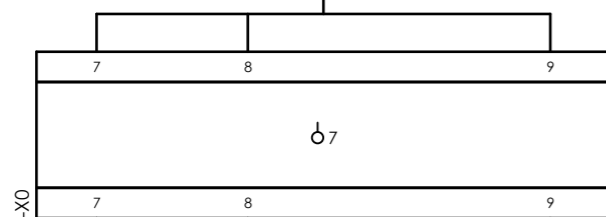
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ADAPTED TO P&ID REVISION	01	CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project	AIRPACK REF.	17811-30A

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CHECKED BY	RBE	+ LOOP DIAGRAMS
LAST MODIFICATION DATE		CURRENT PAGE
AIRPACK DWG NO.	17811-30A	
REVISION	00	
TOTAL PAGE AMOUNT	3	

Internal targets



=20-C-1002+UCP-C1002-01-PS_02	Conductor	BN	BU	GN/YE	



External targets

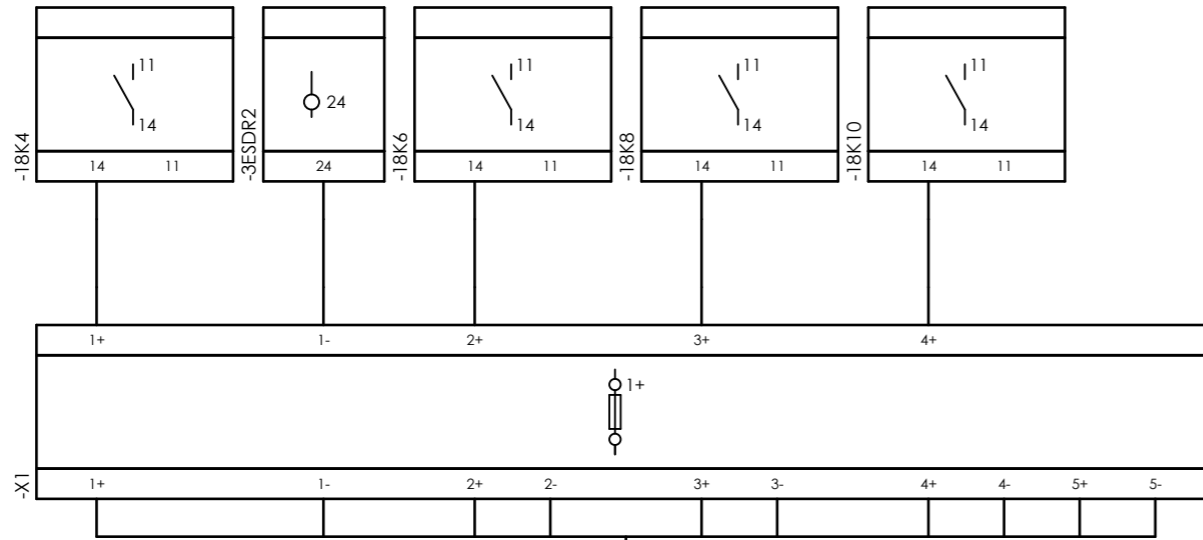


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EQUIPMENT NO.	20-C-1002
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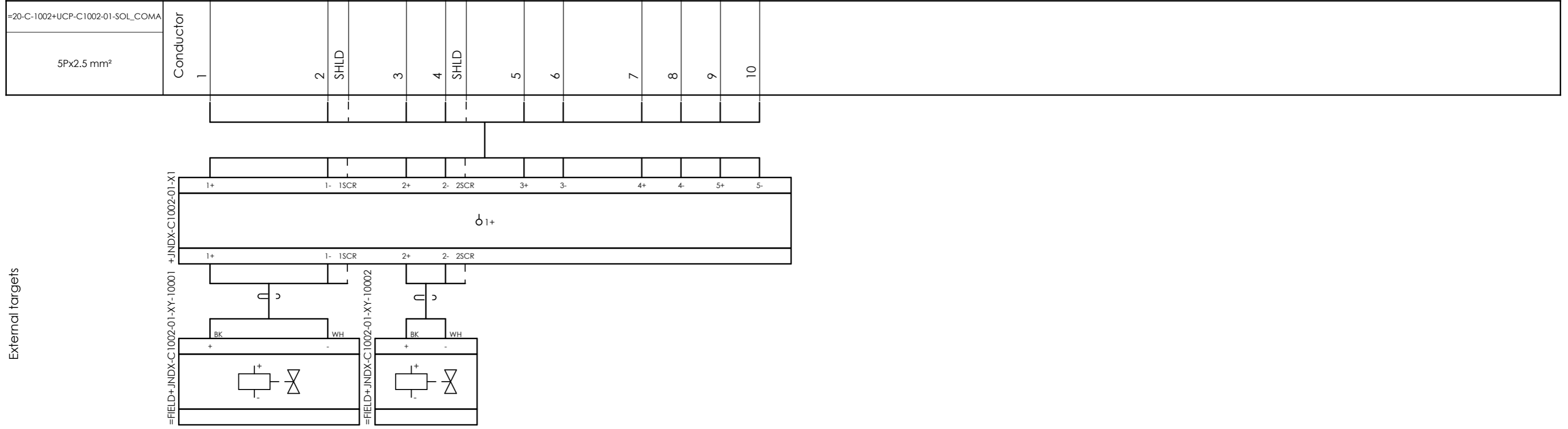
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CLIENT REF.	Bushehr MEG Plant Project	AIRPACK REF.	17811-30A

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CHECKED BY	RBE	+ LOOP DIAGRAMS
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REVISION	00	
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Internal targets



External targets



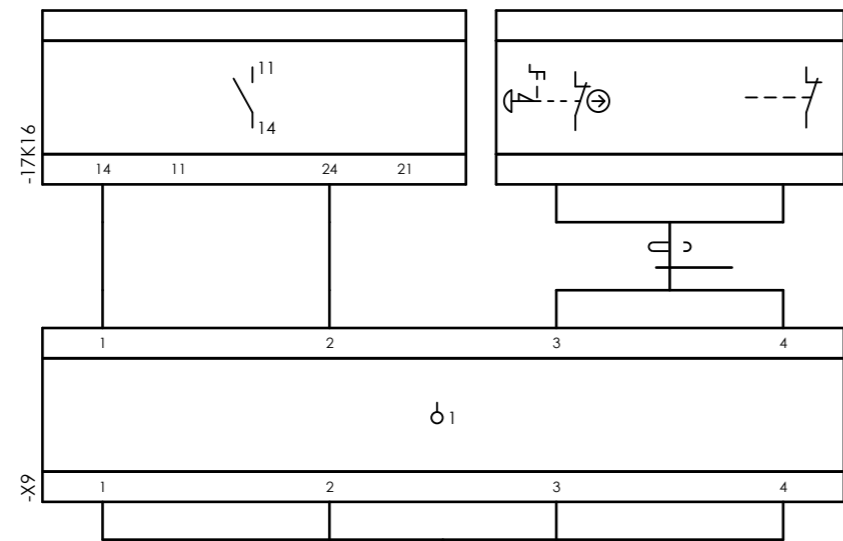
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 EQUIPMENT LOCATION Iran, Onshore  
 THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!

SUBJECT Cable-connection diagram =20-C-1002+UCP-C1002-01-SOL\_COMA  
 ADAPTED TO P&ID REVISION 01  
 CLIENT Bushehr Petrochemical Company (BUPC)  
 CLIENT REF. Bushehr MEG Plant Project  
 AIRPACK REF. 17811-30A

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 LAST MODIFICATION DATE  
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 REVISION 00  
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= 20-C-1002  
 + LOOP DIAGRAMS  
 CURRENT PAGE  
 4

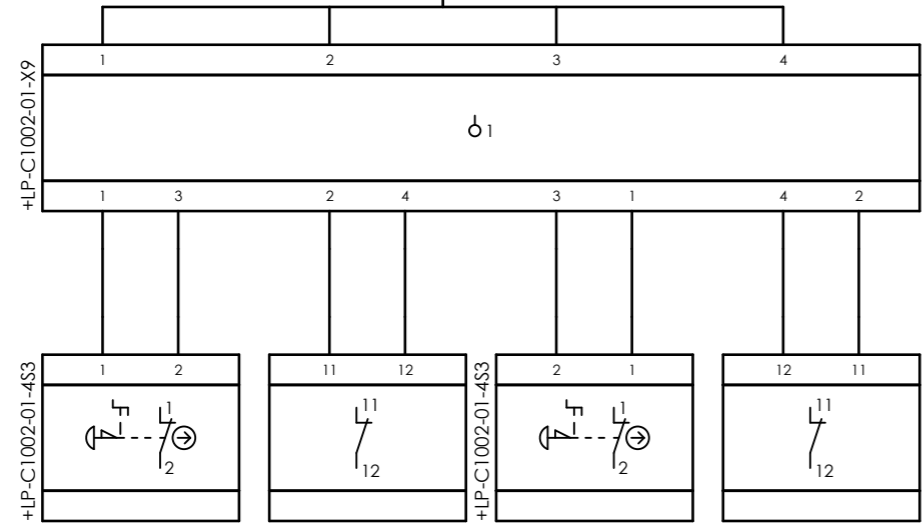
Internal targets



=20-C-1002+UCP-C1002-01-ESD\_LCP\_A  
4x1 mm<sup>2</sup>



External targets



CLIENT DWG NO. BU-20-VD-303-IN-DIG-0036  
EQUIPMENT NO. 20-C-1002  
EQUIPMENT LOCATION Iran, Onshore  
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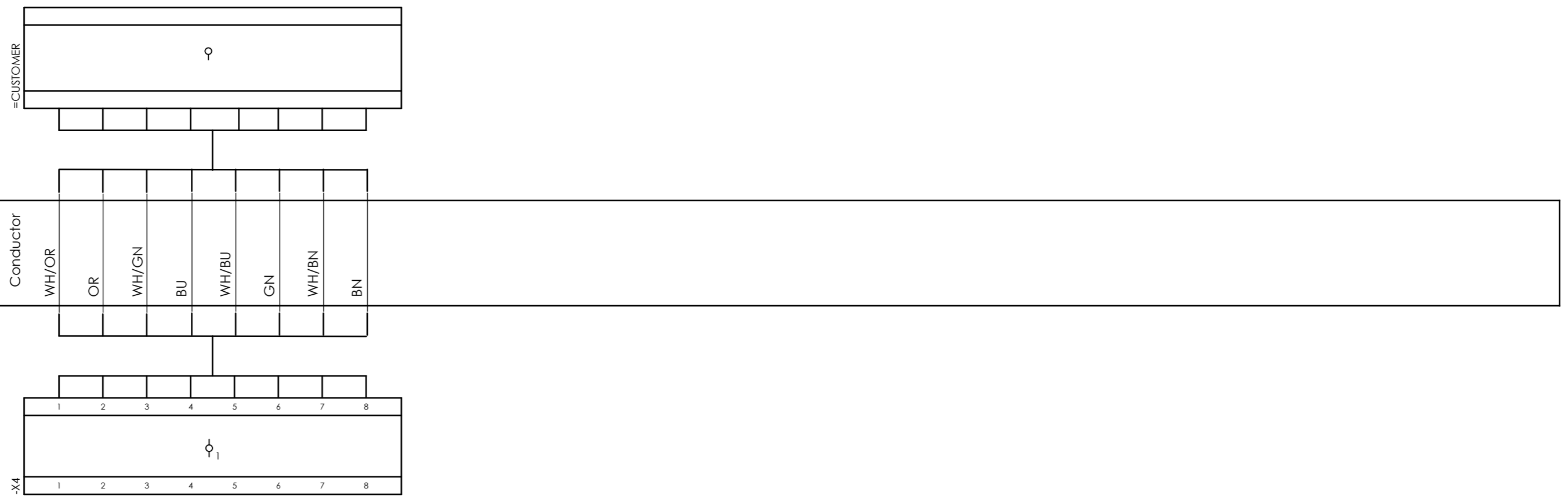
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ADAPTED TO P&ID REVISION 01  
CLIENT Bushehr Petrochemical Company (BUPC)  
CLIENT REF. Bushehr MEG Plant Project  
AIRPACK REF. 17811-30A

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LAST MODIFICATION DATE  
AIRPACK DWG NO. 17811-30A  
REVISION 00  
TOTAL PAGE AMOUNT 6

= 20-C-1002  
+ LOOP DIAGRAMS  
CURRENT PAGE

Internal targets

External targets



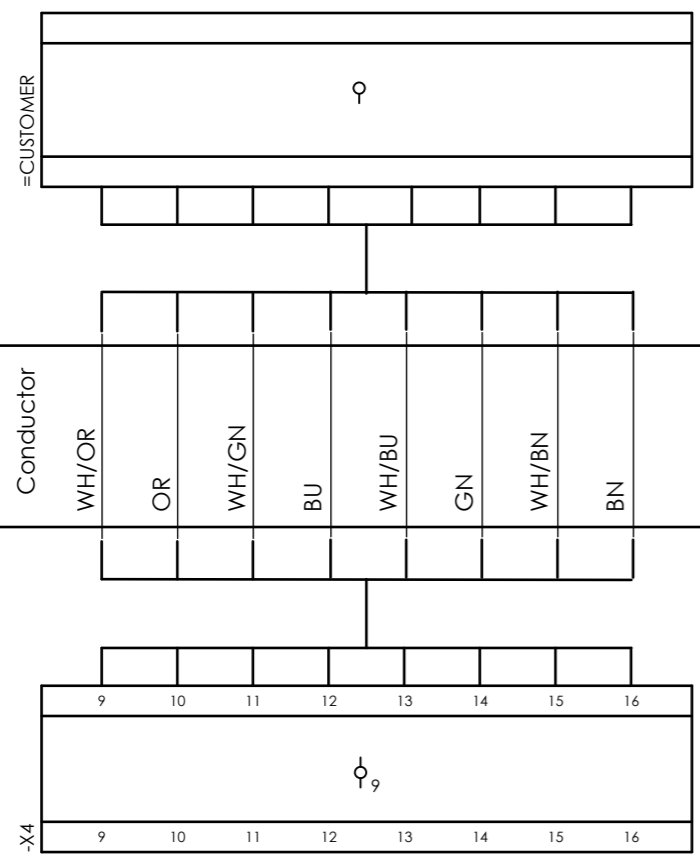
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EQUIPMENT LOCATION	Iran, Onshore
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!	

SUBJECT		Cable-connection diagram =20-C-1002+UCP-C1002-01-SERA00	
ADAPTED TO P&ID REVISION	01	CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project	AIRPACK REF.	17811-30A

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CHECKED BY	RBE	+ LOOP DIAGRAMS
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REVISION	00	
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Internal targets

External targets

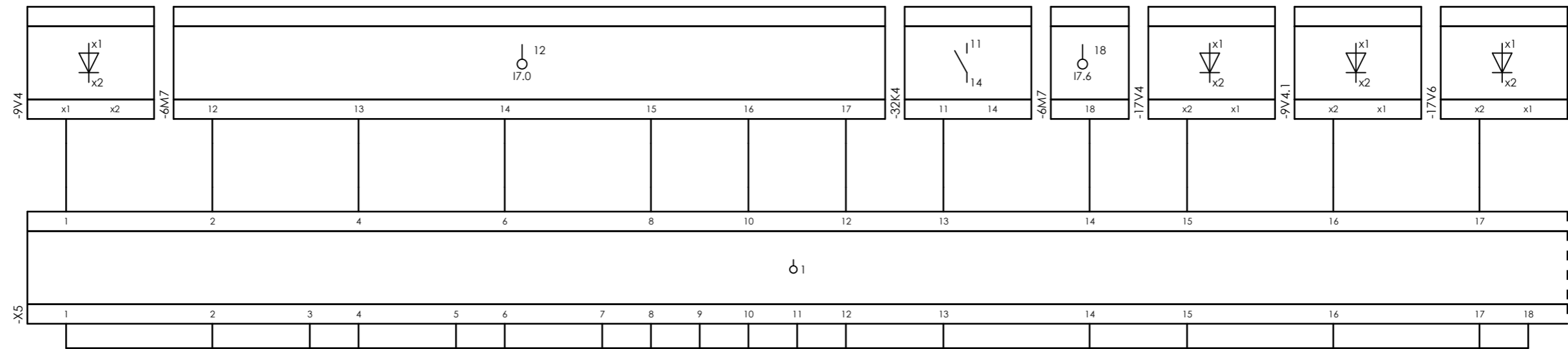


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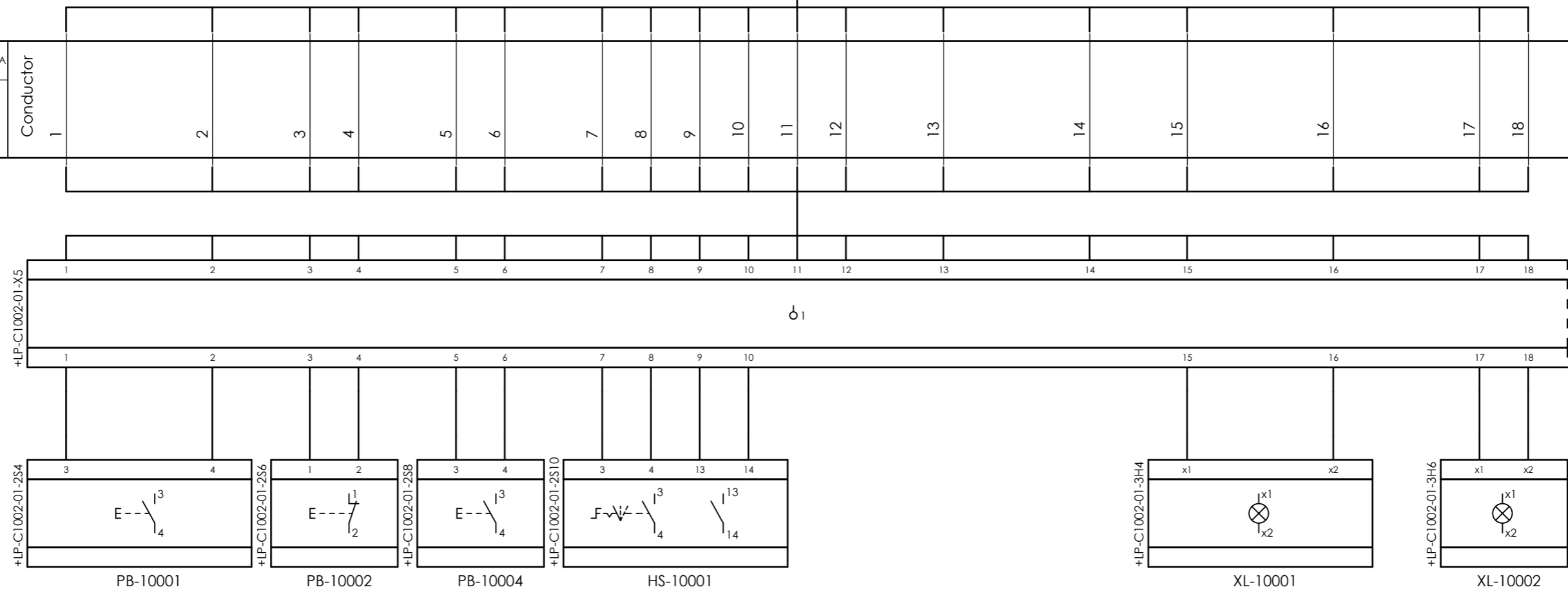
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ADAPTED TO P&ID REVISION	01	CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project	AIRPACK REF.	17811-30A

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CHECKED BY	RBE	+ LOOP DIAGRAMS
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Internal targets



External targets



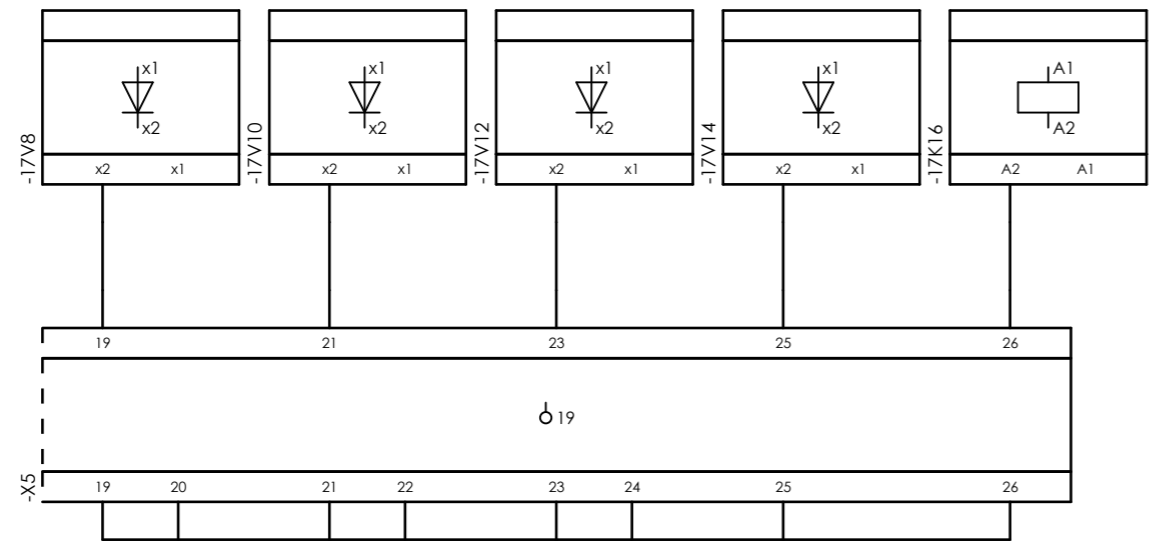
=20-C-1002+UCP-C1002-01-LCP_COMA	Conductor	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
	26x1 mm <sup>2</sup>																		



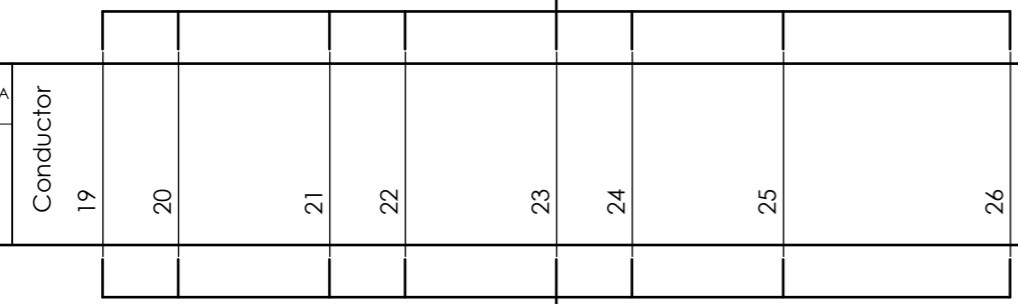
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EQUIPMENT NO.	20-C-1002	ADAPTED TO P&ID REVISION	01
EQUIPMENT LOCATION	Iran, Onshore	CLIENT	Bushehr Petrochemical Company (BUPC)
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!		CLIENT REF.	Bushehr MEG Plant Project
		AIRPACK REF.	17811-30A

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LAST MODIFICATION DATE		CURRENT PAGE
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REVISION	00	
TOTAL PAGE AMOUNT	9	

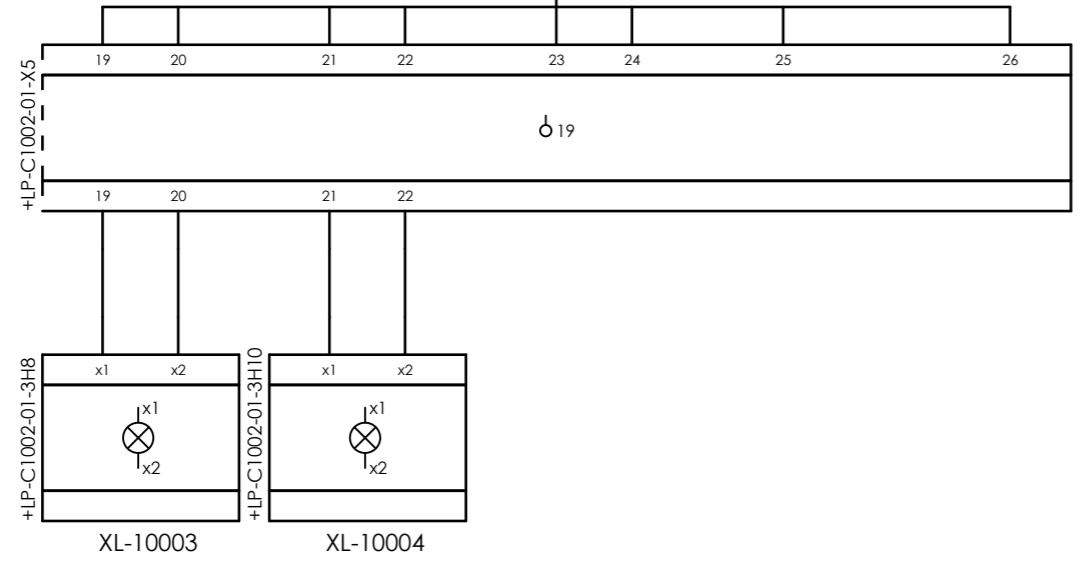
Internal targets



=20-C-1002+UCP-C1002-01-LCP\_COMA  
26x1 mm<sup>2</sup>



External targets



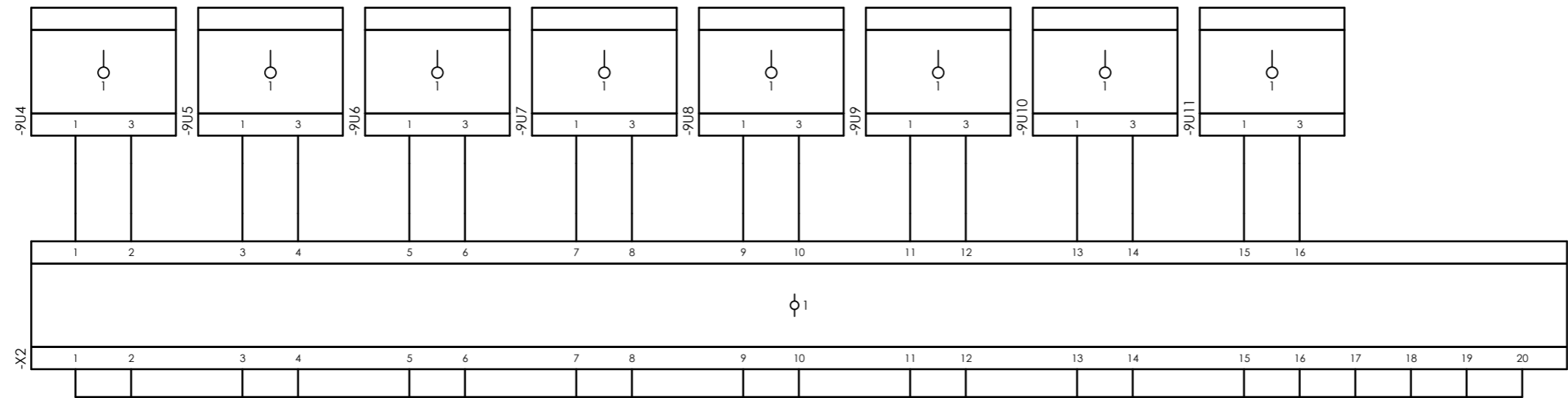
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EQUIPMENT NO. 20-C-1002  
EQUIPMENT LOCATION Iran, Onshore  
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!

SUBJECT Cable-connection diagram =20-C-1002+UCP-C1002-01-LCP\_COMA  
ADAPTED TO P&ID REVISION 01  
CLIENT Bushehr Petrochemical Company (BUPC)  
CLIENT REF. Bushehr MEG Plant Project  
AIRPACK REF. 17811-30A

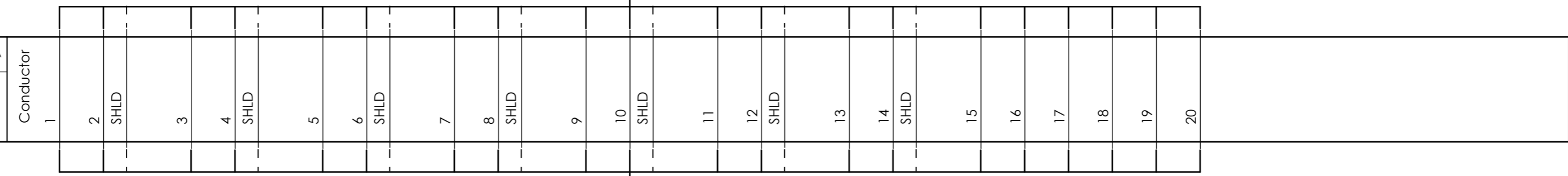
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AIRPACK DWG NO. 17811-30A  
REVISION 00  
TOTAL PAGE AMOUNT 10

= 20-C-1002  
+ LOOP DIAGRAMS  
CURRENT PAGE  
9

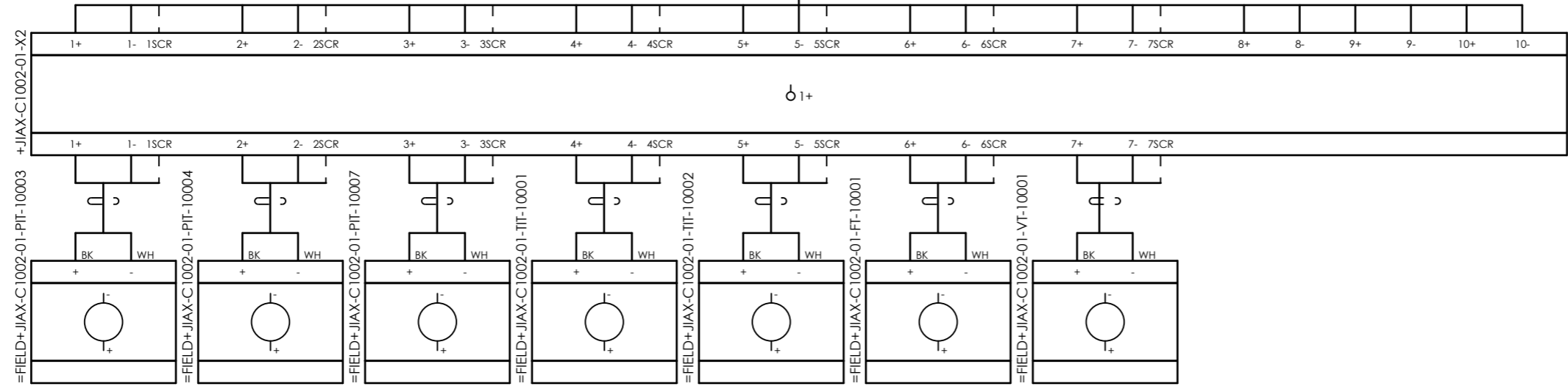
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=20-C-1002+UCP-C1002-01-TR\_COMA  
10Px0,75 mm²



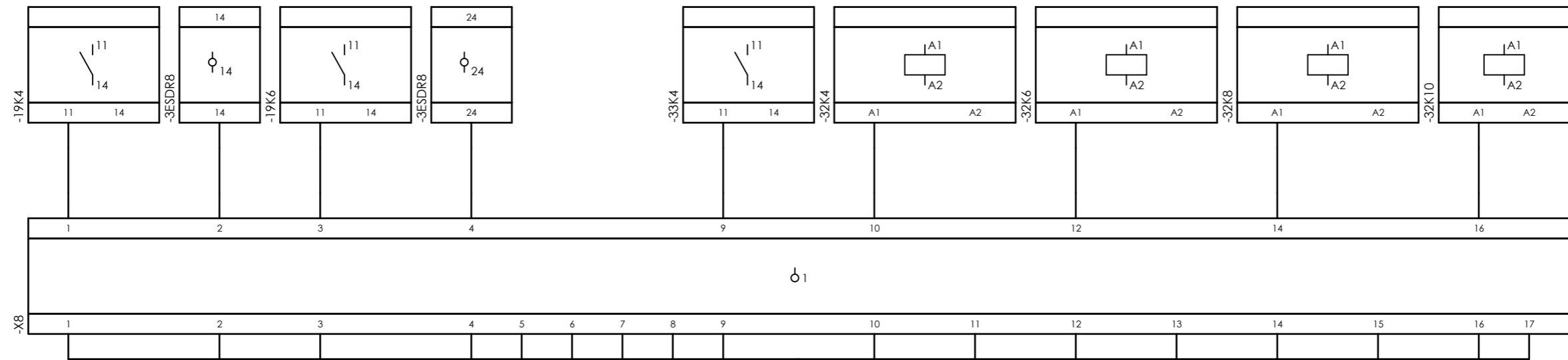
External targets



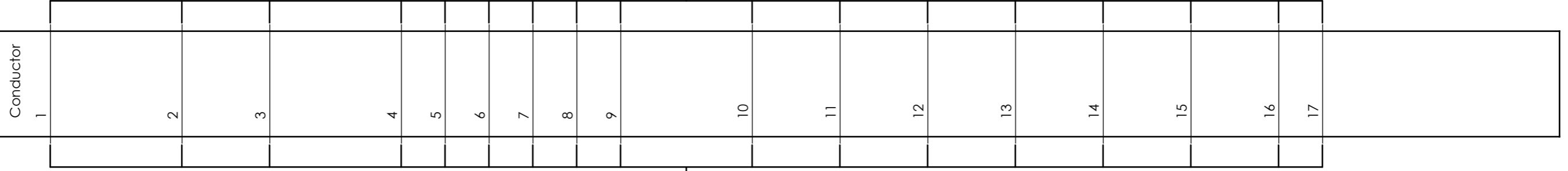
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EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE		CURRENT PAGE
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!		CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-30A	
		CLIENT REF.	Bushehr MEG Plant Project	REVISION	00	
		AIRPACK REF.	17811-30A	TOTAL PAGE AMOUNT	11	

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CHECKED BY	RBE	+ LOOP DIAGRAMS
LAST MODIFICATION DATE		CURRENT PAGE
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REVISION	00	
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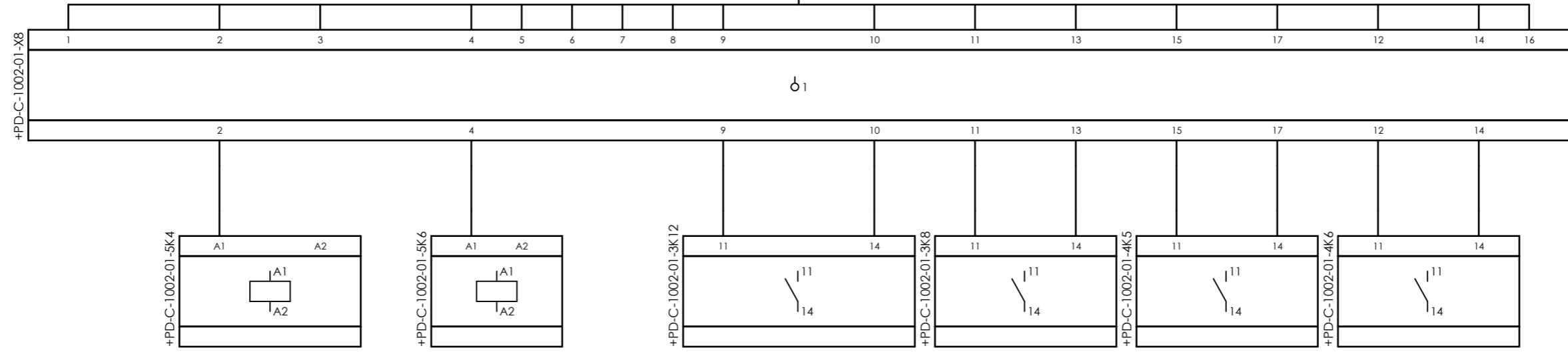
Internal targets



=20-C-1002+UCP-C1002-01-DB\_COMA  
20x1 mm²  
Conductor



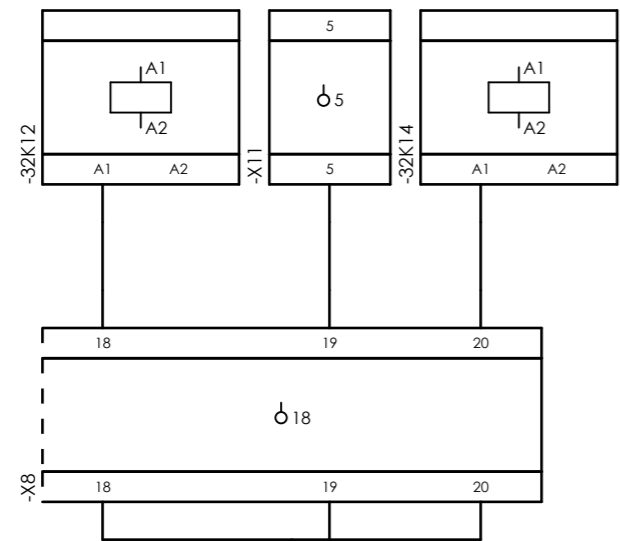
External targets



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0036	SUBJECT		DRAWN BY	htaher	= 20-C-1002
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EQUIPMENT LOCATION	Iran, Onshore	ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE		CURRENT PAGE
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!		CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-30A	
		CLIENT REF.	Bushehr MEG Plant Project	REVISION	00	
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CHECKED BY		RBE	+ LOOP DIAGRAMS
LAST MODIFICATION DATE			CURRENT PAGE
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REVISION		00	
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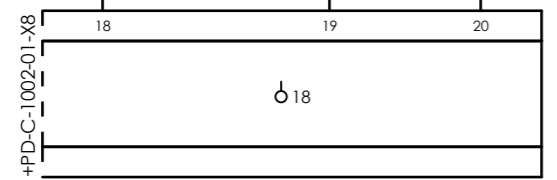
Internal targets



=20-C-1002+UCP-C1002-01-DB\_COMA  
20x1 mm²



External targets



CLIENT DWG NO. BU-20-VD-303-IN-DIG-0036  
EQUIPMENT NO. 20-C-1002  
EQUIPMENT LOCATION Iran, Onshore  
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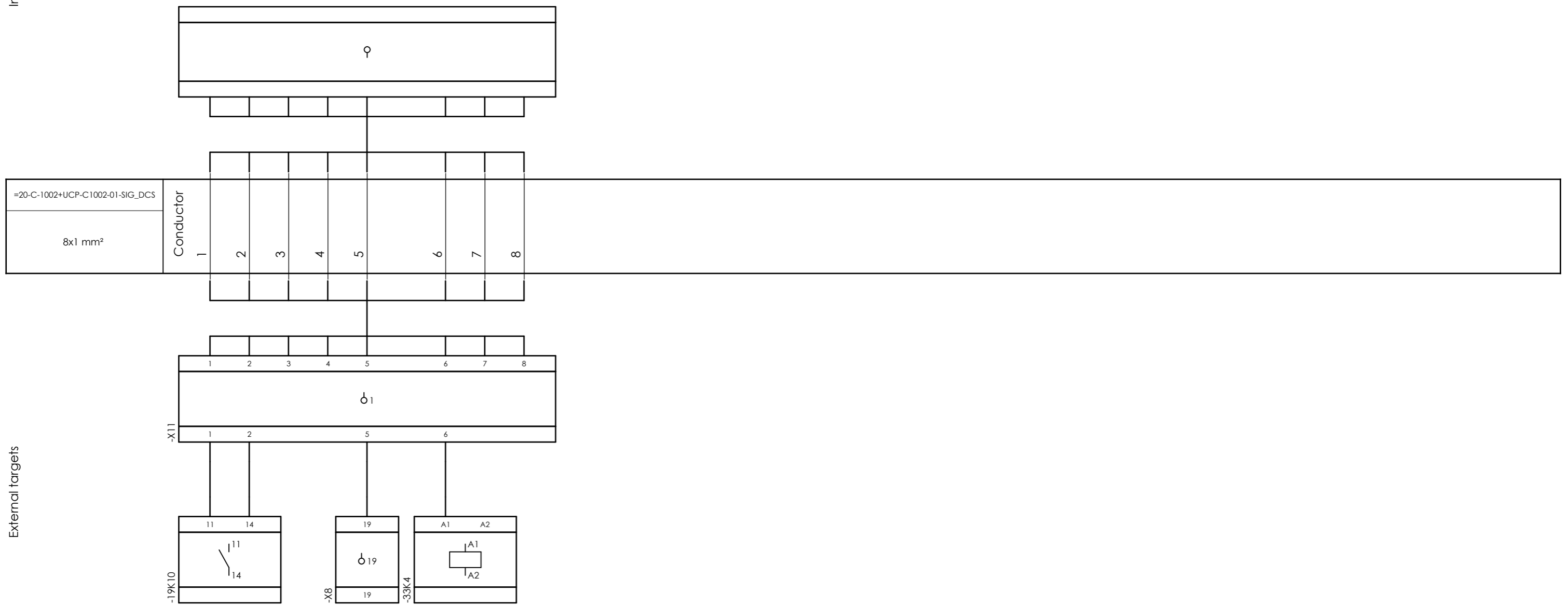
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ADAPTED TO P&ID REVISION 01  
CLIENT Bushehr Petrochemical Company (BUPC)  
CLIENT REF. Bushehr MEG Plant Project  
AIRPACK REF. 17811-30A

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REVISION 00  
TOTAL PAGE AMOUNT 13

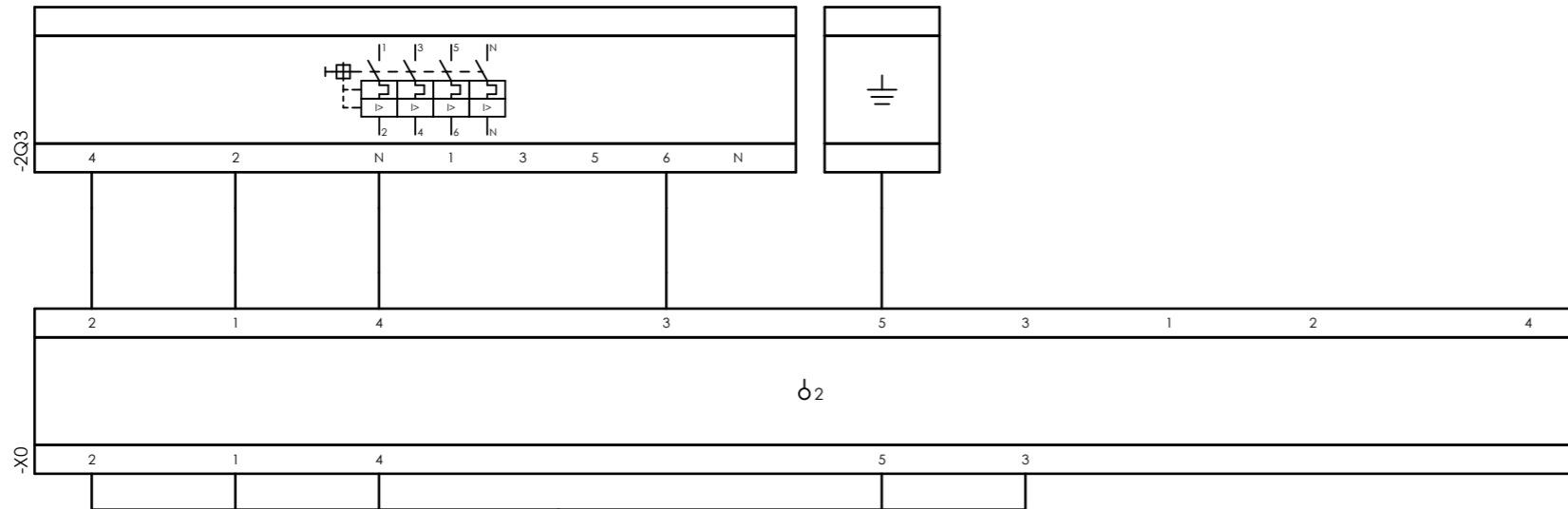
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Internal targets

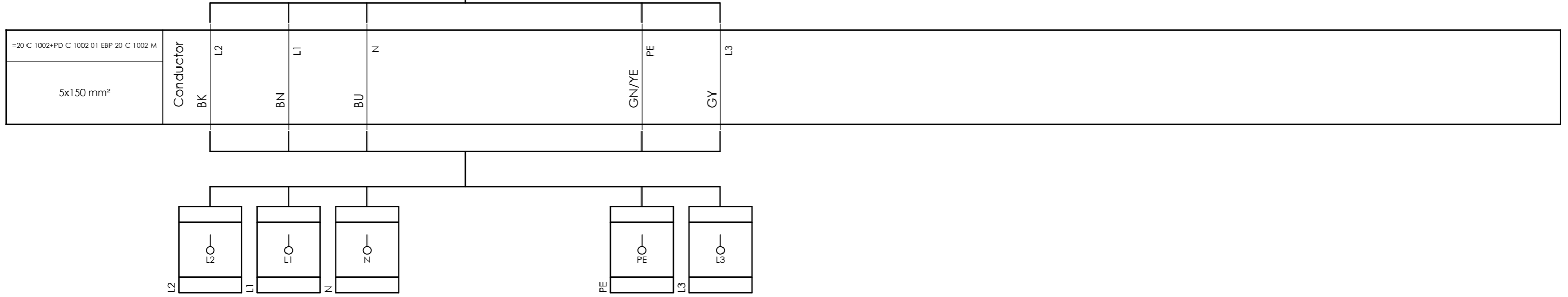
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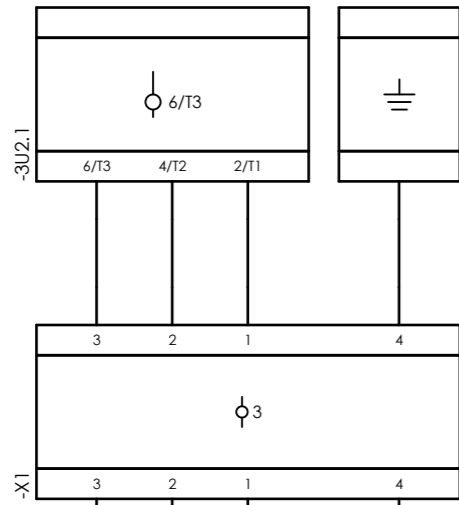
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External targets



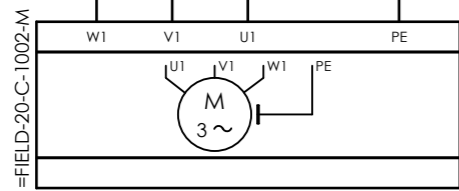
Internal targets



=20-C-1002+PD-C-1002-01-20-C-1002-M



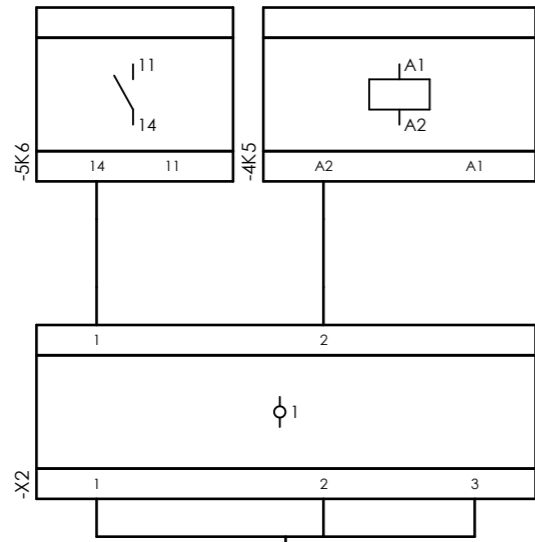
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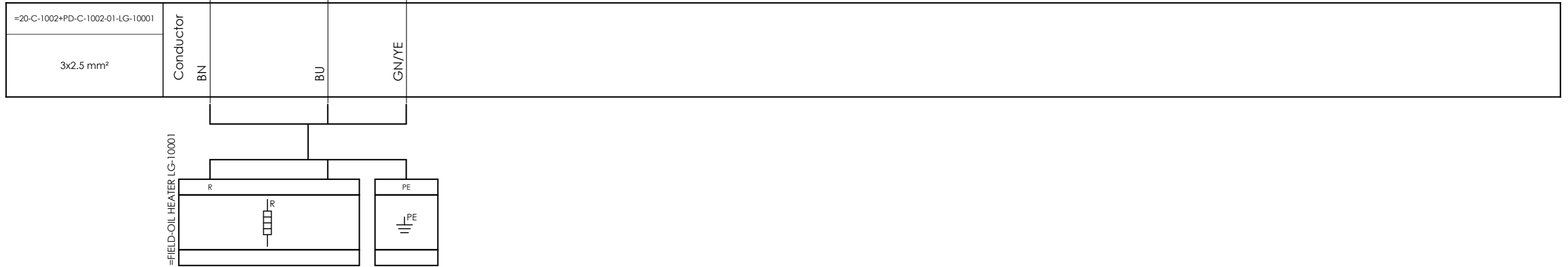
CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0036
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore
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SUBJECT		DRAWN BY	htaher	= 20-C-1002
Cable-connection diagram =20-C-1002+PD-C-1002-01-20-C-1002-M		CHECKED BY	RBE	+ LOOP DIAGRAMS
ADAPTED TO P&ID REVISION	01	LAST MODIFICATION DATE		CURRENT PAGE
CLIENT	Bushehr Petrochemical Company (BUPC)	AIRPACK DWG NO.	17811-30A	
CLIENT REF.	Bushehr MEG Plant Project	REVISION	00	
AIRPACK REF.	17811-30A	TOTAL PAGE AMOUNT	16	

Internal targets



External targets



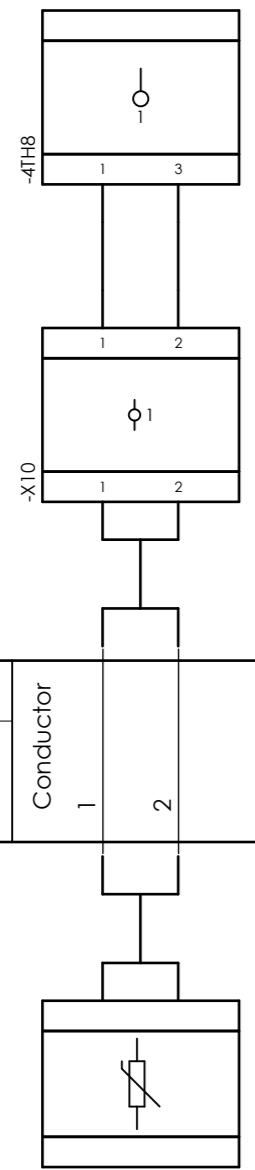
CLIENT DWG NO. BU-20-VD-303-IN-DIG-0036  
 EQUIPMENT NO. 20-C-1002  
 EQUIPMENT LOCATION Iran, Onshore  
 THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!

SUBJECT Cable-connection diagram =20-C-1002+PD-C-1002-01-LG-10001  
 ADAPTED TO P&ID REVISION 01  
 CLIENT Bushehr Petrochemical Company (BUPC)  
 CLIENT REF. Bushehr MEG Plant Project  
 AIRPACK REF. 17811-30A

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= 20-C-1002  
 + LOOP DIAGRAMS  
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Internal targets



External targets

=20-C-1002+PD-C-1002-01-PT100	Conductor	1	2
2x1 mm <sup>2</sup>			



CLIENT DWG NO.	BU-20-VD-303-IN-DIG-0036
EQUIPMENT NO.	20-C-1002
EQUIPMENT LOCATION	Iran, Onshore

SUBJECT		Cable-connection diagram =20-C-1002+PD-C-1002-01-PT100	
ADAPTED TO P&ID REVISION	01	CLIENT	Bushehr Petrochemical Company (BUPC)
CLIENT REF.	Bushehr MEG Plant Project	AIRPACK REF.	17811-30A

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