



LIDCO, Pars SEE Zone, Assaluyeh,  
Integrated Methanol and Ammonia  
Plant 3000 MTPD MeOH / 900 MTPD NH3 PROJECT



Wiring Diagram (including Terminal Diagram) for  
LCP Panel and Junction Box

Document No. 17735-05

Page

Project No.	Vendor Doc.	P.O. No.	Department	Document Type	Serial No	Revision	Page
N278	VD	6019	IN	DIA	0005	03	Page 1 of 16

**Airpack B.V. - Air Compressor –  
Integrated Methanol and Ammonia Plant  
17735-COM Wiring Diagram (including Terminal Diagram) for  
LCP Panel and Junction Box (K020)**

REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED
03	21-12-2023	Issued for Approval	R.T.	S.K.	J.J.
02	07-12-2023	Issued for Approval	R.T.	S.K.	J.J.
01	03-11-2023	Issued for Approval	R.T.	S.K.	J.J.

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Wiring Diagram (including Terminal Diagram) for  
LCP Panel and Junction Box

Document No. 17735-05

Project No.	Vendor Doc.	P.O. No.	Department	Document Type	Serial No	Revision	Page
N278	VD	6019	IN	DIA	0005	03	Page 2 of 16

LIST OF REVISED PAGES

Rev. Page	01	02	03	04	05	Rev. Page	01	02	03	04	05	Rev. Page	01	02	03	04	05	Rev. Page	01	02	03	04	05
1	X	X	X			26						51						76					
2	X	X	X			27						52						77					
3	X	X	X			28						53						78					
4	X	X	X			29						54						79					
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22						47						72						4					
23						48						73						5					
24						49						74						6					
25						50						75						7					



# 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	:	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)	
Equipment location	:	IRAN, ONSHORE	
Client reference	:	INTEGRATED METHANOL AND AMMONIA PLANT	
Client dwg. no.	:	N-278-VD-6019-IN-DIA-0005-01	
Airpack reference	:	17735-05 Wiring Diagram	
Airpack dwg. no.	:	17735-05	
Generation date	:	2023-11-02	
E & I manager	:	RBE	Revision no. : 03
Last modifications	:	2023-12-21	
Last modifications by	:	RTR	



CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005-01
EQUIPMENT NO.	320-K-020
EQUIPMENT LOCATION	IRAN, ONSHORE

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SUBJECT	
Title page / cover sheet	
ADAPTED TO P&ID REVISION	04
CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

DRAWN BY	RTR	=
CHECKED BY	RBE	+
LAST MODIFICATION DATE	2023-12-18	CURRENT PAGE
AIRPACK DWG NO.	17735-05	
REVISION	03	
TOTAL PAGE AMOUNT	1	

# COMMENTS ON ELECTRICAL DRAWINGS

LPS AND JB MOUNTED ON SKID  
 MATERIAL: SHEET STEEL  
 INGRESS. PROTECTION: IP-65  
 AREA CLASSIFICATION: SAFE

GLANDS: SS316 GLANDS WITH SHROUDS, IP-66  
 CABLE TRAYS: HOT-DIP GALVANIZED

AMBIENT TEMPERATURE: 0 / 49 °C

ALL "IE" CONNECTIONS WILL BE CONNECTED ON A "IE"-BAR

REFERENCE DOCUMENTS:


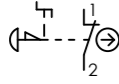






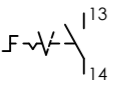
- 17735-03 - N-278-VD-6019-PR-PID-0002-01 - P&ID
- 17735-06 - N-278-VD-6019-IN-LIS-0006-01 - I/O List
- 17735-07 - N-278-VD-6019-IN-DWG-0007-01 - Outline Dimensional Drawings for LCP Panel and Junction Box
- 17735-21 - N-278-VD-6019-GN-PRO-0022-01 - Control Philosophy

SIGNAL PAIRS	
CURRENT LOOPS	POSITIVE: RED NEGATIVE: BLACK
VOLT [FREE] CONTACTS	POSITIVE: BLACK NEGATIVE: WHITE



CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005-01	SUBJECT		DRAWN BY	RTR	=
EQUIPMENT NO.	320-K-020	Project description		CHECKED BY	RBE	+
EQUIPMENT LOCATION	IRAN, ONSHORE	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	2023-12-18	CURRENT PAGE
THIS DRAWING IS OWNED BY AIRPACK, AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION!		CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)	AIRPACK DWG NO.	17735-05	
		CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT	REVISION	03	
		AIRPACK REF.	17735-05 Wiring Diagram	TOTAL PAGE AMOUNT	2	

# SYMBOL LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	CABLE SHIELD		
	EMERGENCY STOP		
	INDICATION LAMP		
	INSTRUMENT EARTH CONNECTION POINT		
	N/C PUSHBUTTON		
	N/O PUSHBUTTON		
	TERMINAL CONNECTION POINT		
	TRANSMITTER CONNECTION POINT		
	TWO-POSITION SELECTOR SWITCH		



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**Symbol Legend**  
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 CLIENT LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)  
 CLIENT REF. INTEGRATED METHANOL AND AMMONIA PLANT  
 AIRPACK REF. 17735-05 Wiring Diagram

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 LAST MODIFICATION DATE 2023-12-18  
 AIRPACK DWG NO. 17735-05  
 REVISION 03  
 TOTAL PAGE AMOUNT 3

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**3**




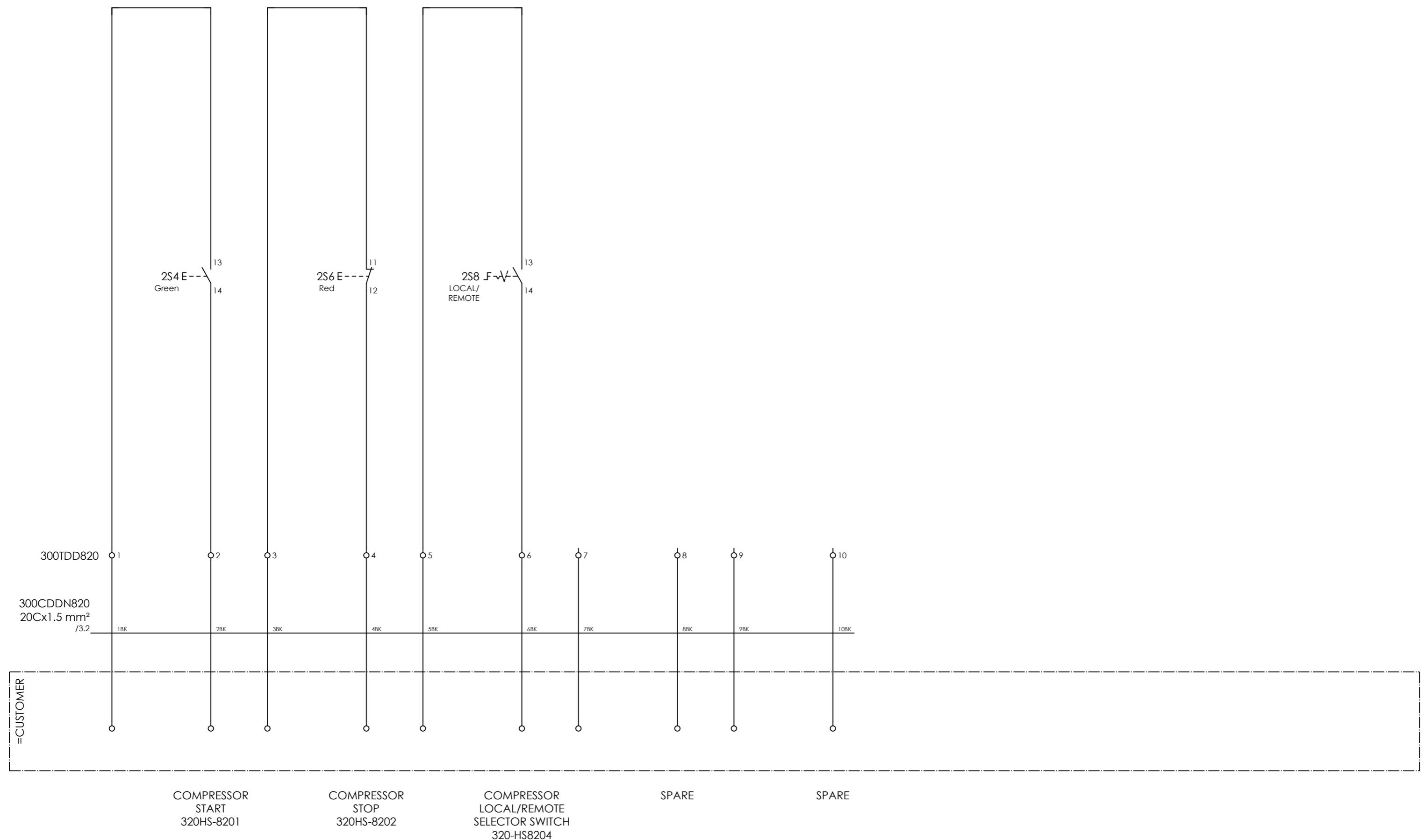
# 300LP-820 LOCAL PUSHBUTTON STATION

## TERMINAL STRIP DEFINITION

300TDD820 = CONNECTION PUSHBUTTONS AND LAMPS

300TED820 = CONNECTION ESD PUSHBUTTON

	CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005-01	SUBJECT		DRAWN BY	RTR	= 320-K-020
	EQUIPMENT NO.	320-K-020	TERMINAL STRIP DEFINITION		CHECKED BY	RBE	+ 300LP-820
	EQUIPMENT LOCATION	IRAN, ONSHORE	ADAPTED TO P&ID REVISION	04	LAST MODIFICATION DATE	2023-12-18	CURRENT PAGE
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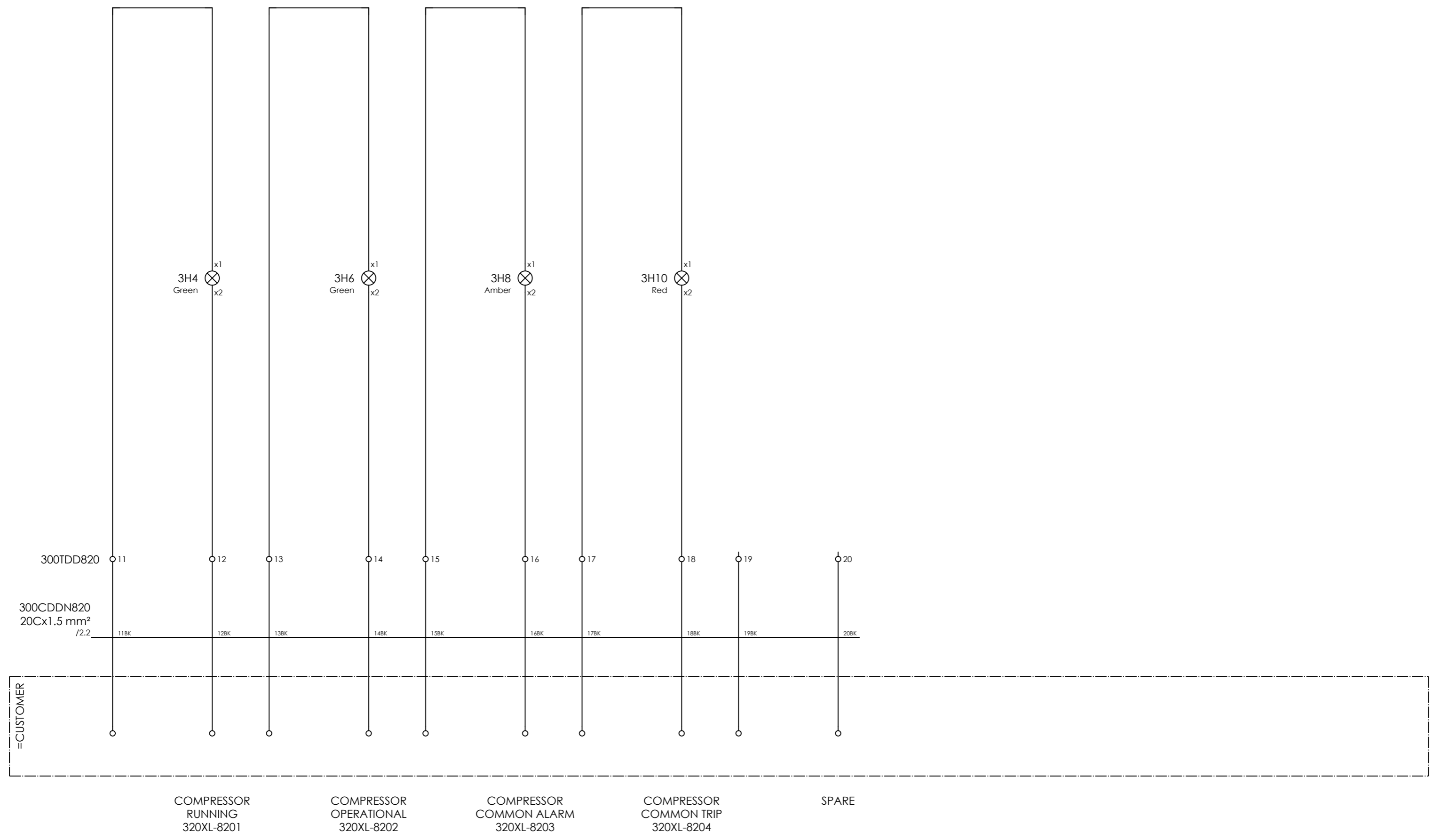


CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005-01
EQUIPMENT NO.	320-K-020
EQUIPMENT LOCATION	IRAN, ONSHORE

SUBJECT PUSHBUTTONS	
ADAPTED TO P&ID REVISION	04
CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

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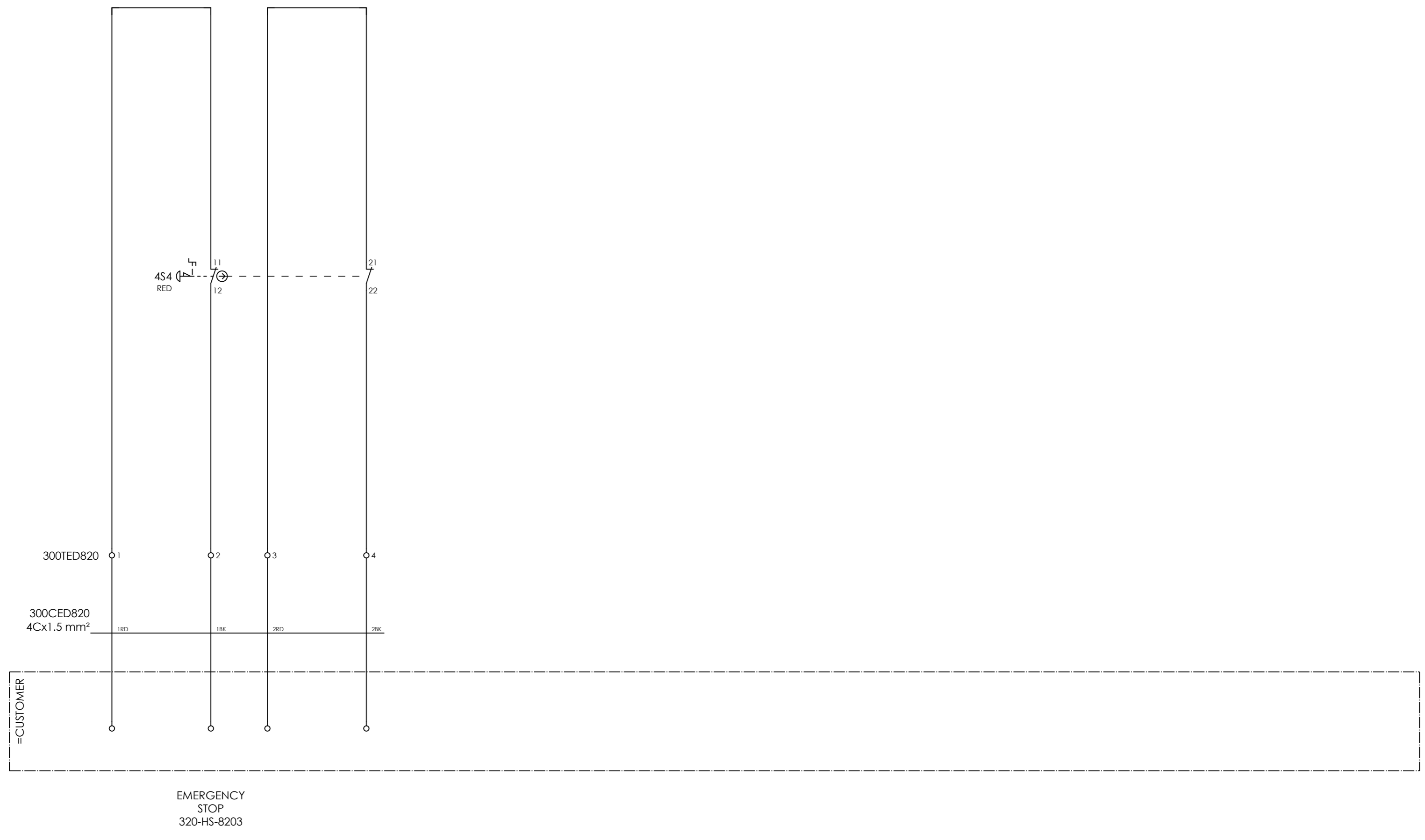
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EQUIPMENT LOCATION	IRAN, ONSHORE

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SUBJECT LAMPS	
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CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

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EQUIPMENT LOCATION	IRAN, ONSHORE
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SUBJECT ESD PUSHBUTTON	
ADAPTED TO P&ID REVISION	04
CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram


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LAST MODIFICATION DATE	2023-12-18
AIRPACK DWG NO.	17735-05
REVISION	03
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# 300JDAN-820 ANALOG JUNCTION BOX

## TERMINAL STRIP DEFINITION

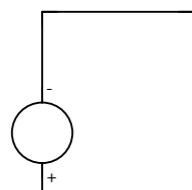
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 300TDA821 = CONNECTION PRESSURE CONTROL VALVE TO CLIENT

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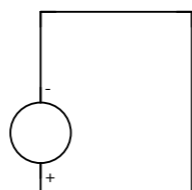
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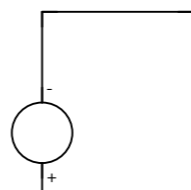
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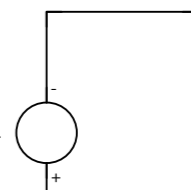
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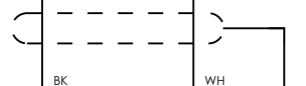
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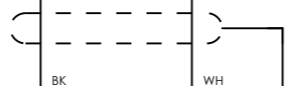
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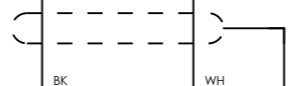
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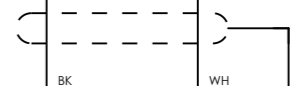
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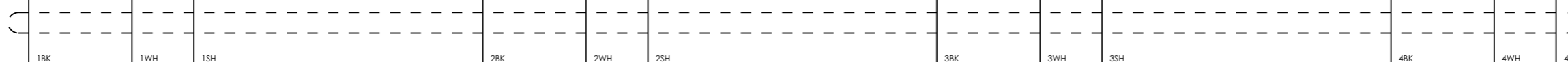
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300TDA820



300CDAN820  
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/3.3  
/4.3  
/5.3  
/6.4



PRESSURE  
TRANSMITTER  
320PT-8201

PRESSURE  
TRANSMITTER  
320PT-8202

PRESSURE  
TRANSMITTER  
320PT-8203

PRESSURE  
TRANSMITTER  
320PT-8204



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EQUIPMENT LOCATION	IRAN, ONSHORE

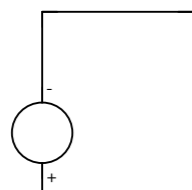
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CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

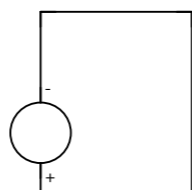
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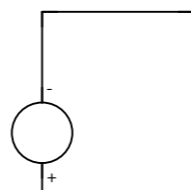
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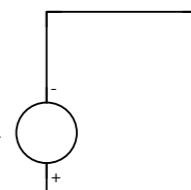
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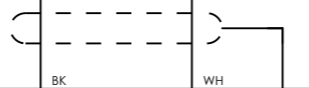
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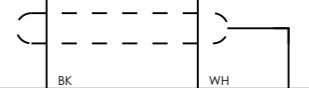
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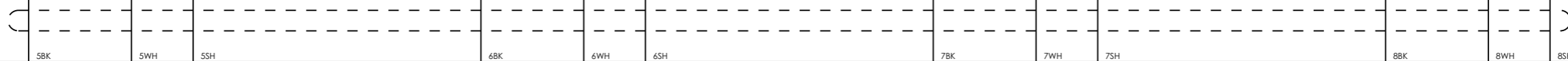
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300TDA820



300CDAN820  
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/4.3  
/5.3  
/6.4



=CUSTOMER

TEMPERATURE  
TRANSMITTER  
320TT-8201

TEMPERATURE  
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TEMPERATURE  
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TEMPERATURE  
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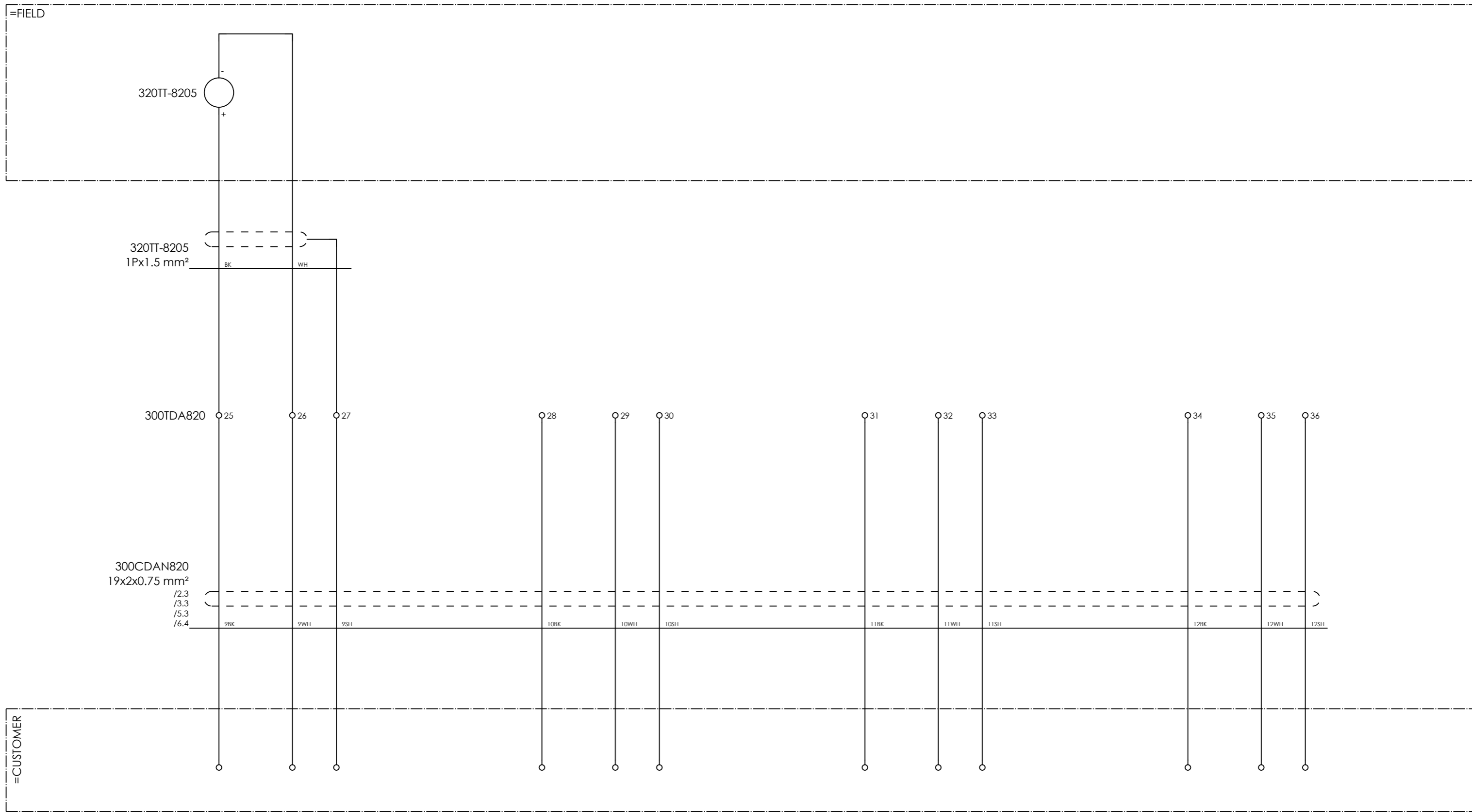


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LAST MODIFICATION DATE	2023-12-18	CURRENT PAGE
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TOTAL PAGE AMOUNT	11	



TEMPERATURE TRANSMITTER  
320TT-8205

SPARE

SPARE

SPARE

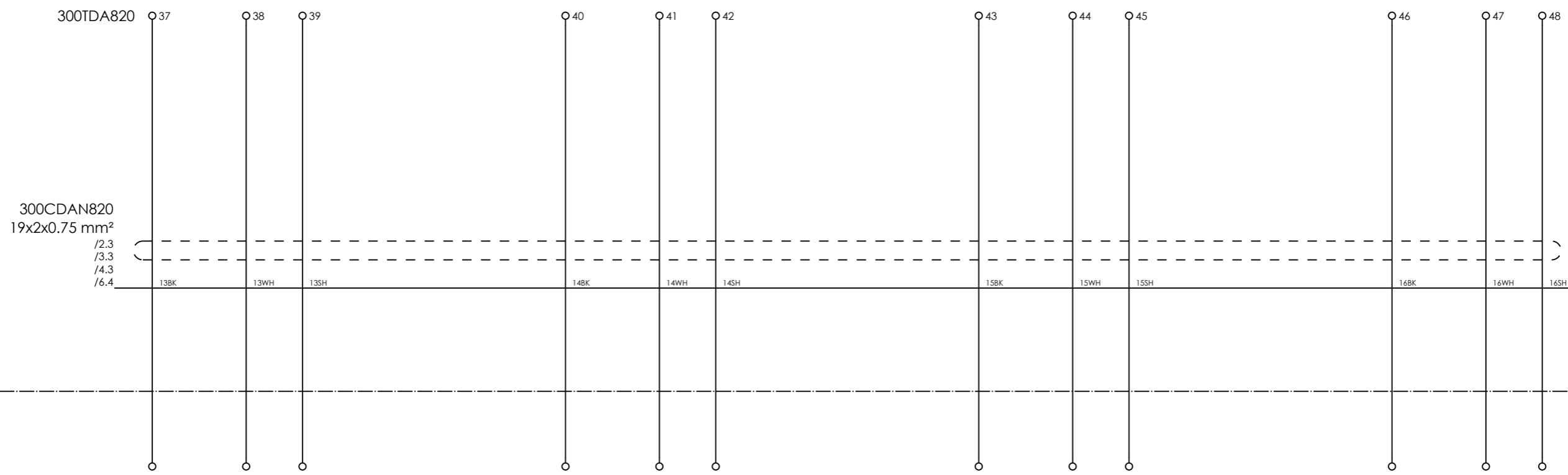


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SUBJECT ANALOG TRANSMITTERS	
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=FIELD



=CUSTOMER

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CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005-01
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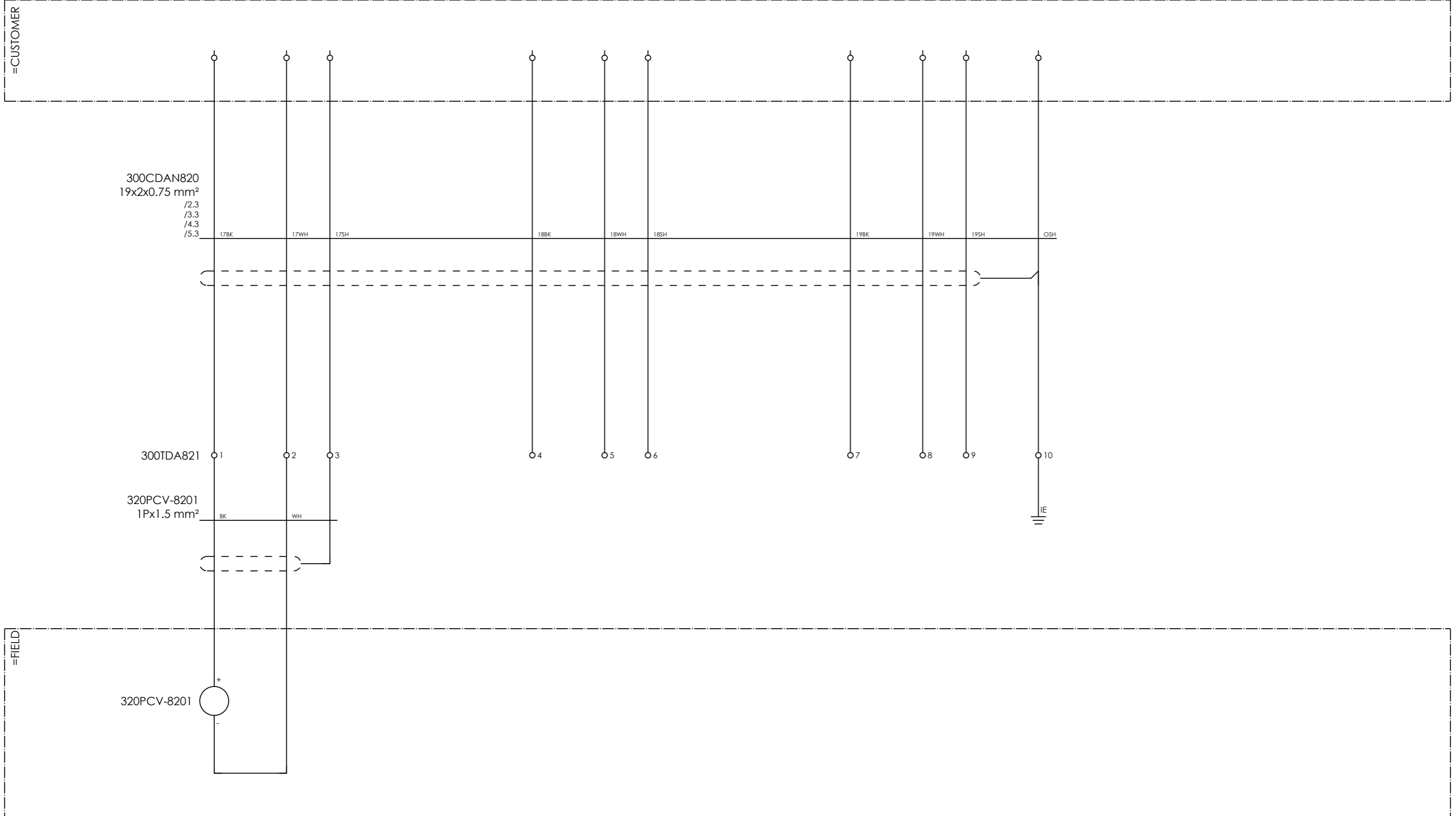
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PRESSURE CONTROL VALVE  
320PCV-8201

SPARE

SPARE



CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005-01
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SUBJECT PRESSURE CONTROL VALVE	
ADAPTED TO P&ID REVISION	04
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