



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
N278	VD	6019	IN	DIA	0005	06

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

06	02-05-2024	Issued for Approval	R.T.	S.K.	J.J.
05	20-03-2024	Issued for Approval	R.T.	S.K.	J.J.
04	14-02-2024	Issued for Approval	R.T.	S.K.	J.J.
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.
REV.	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED

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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	06	Page 2 of 21

LIST OF REVISED PAGES

Rev. Page	01	02	03	04	05	06	07	08	09	10	Rev. Page	01	02	03	04	05	Rev. Page	01	02	03	04	05
1	X	X	X	X	X	X					51						76					
2	X	X	X	X	X	X					52						77					
3	X	X	X	X	X	X					53						78					
4	X	X	X	X	X	X					54						79					
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14	X	X	X	X	X	X					64						89					
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16	X	X	X	X	X	X					66						91					
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18	X	X		X	X	X					68							ATTACHMENT				
19	X	X		X	X	X					69						1					
20	X	X			X	X					70						2					
21		X			X	X					71						3					
22											72						4					
23											73						5					
24											74						6					
25											75						7					



Airpack B.V.

4301 RN Zierikzee
The Netherlands

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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		
Airpack reference	:	17735-05 Wiring Diagram		
Airpack dwg. no.	:	17735-05		
Generation date	:	2023-11-02		
E & I manager	:	RBE	Revision no.	: 06
Last modifications	:	2024-05-02		
Last modifications by	:	RTR		



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EQUIPMENT NO.	320-K-020
EQUIPMENT LOCATION	IRAN, ONSHORE
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SUBJECT	
Title page / cover sheet	
ADAPTED TO P&ID REVISION	08
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	06	
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:


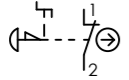


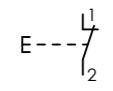
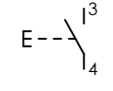


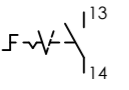
- 17735-03 - N-278-VD-6019-PR-PID-0002 - P&ID
- 17735-06 - N-278-VD-6019-IN-LIS-0006 - I/O List
- 17735-07 - N-278-VD-6019-IN-DWG-0007 - Outline Dimensional Drawings for LCP Panel and Junction Box
- 17735-21 - N-278-VD-6019-GN-PRO-0022 - Control Philosophy

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



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	EQUIPMENT NO.	320-K-020	Project description		CHECKED BY	RBE	+
	EQUIPMENT LOCATION	IRAN, ONSHORE	ADAPTED TO P&ID REVISION	08	LAST MODIFICATION DATE	2023-12-18	CURRENT PAGE
			CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)	AIRPACK DWG NO.	17735-05	
			CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT	REVISION	06	
		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		

300LP-820 LOCAL PUSHBUTTON STATION

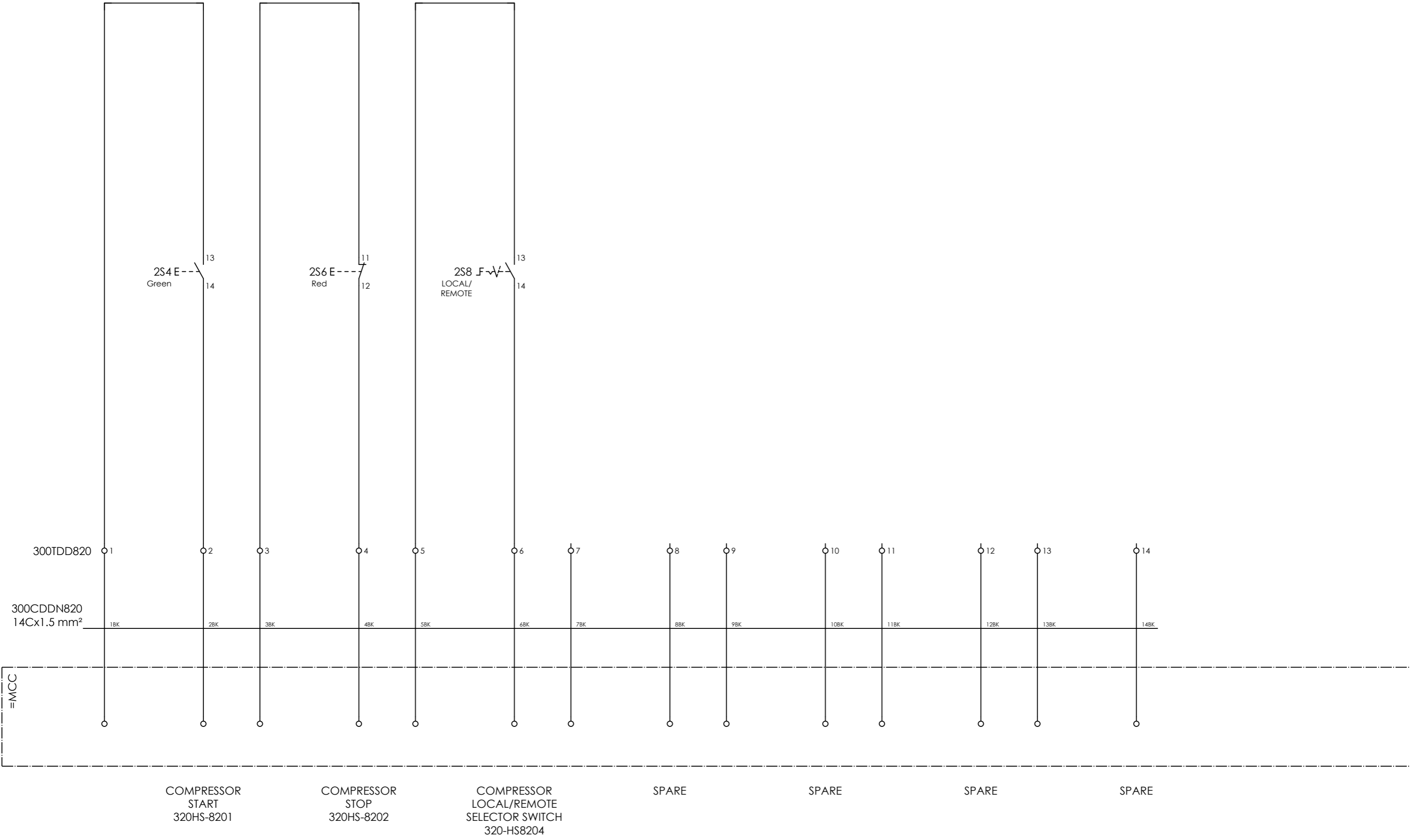
TERMINAL STRIP DEFINITION

300TDD820 = CONNECTION PUSHBUTTONS AND LAMPS

300TED820 = CONNECTION ESD PUSHBUTTON



CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005	SUBJECT	TERMINAL STRIP DEFINITION	DRAWN BY	RTR	= 320-K-020
EQUIPMENT NO.	320-K-020	ADAPTED TO P&ID REVISION	08	CHECKED BY	RBE	+ 300LP-820
EQUIPMENT LOCATION	IRAN, ONSHORE	CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)	LAST MODIFICATION DATE	2023-12-18	CURRENT PAGE
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		AIRPACK REF.	17735-05 Wiring Diagram	REVISION	06	
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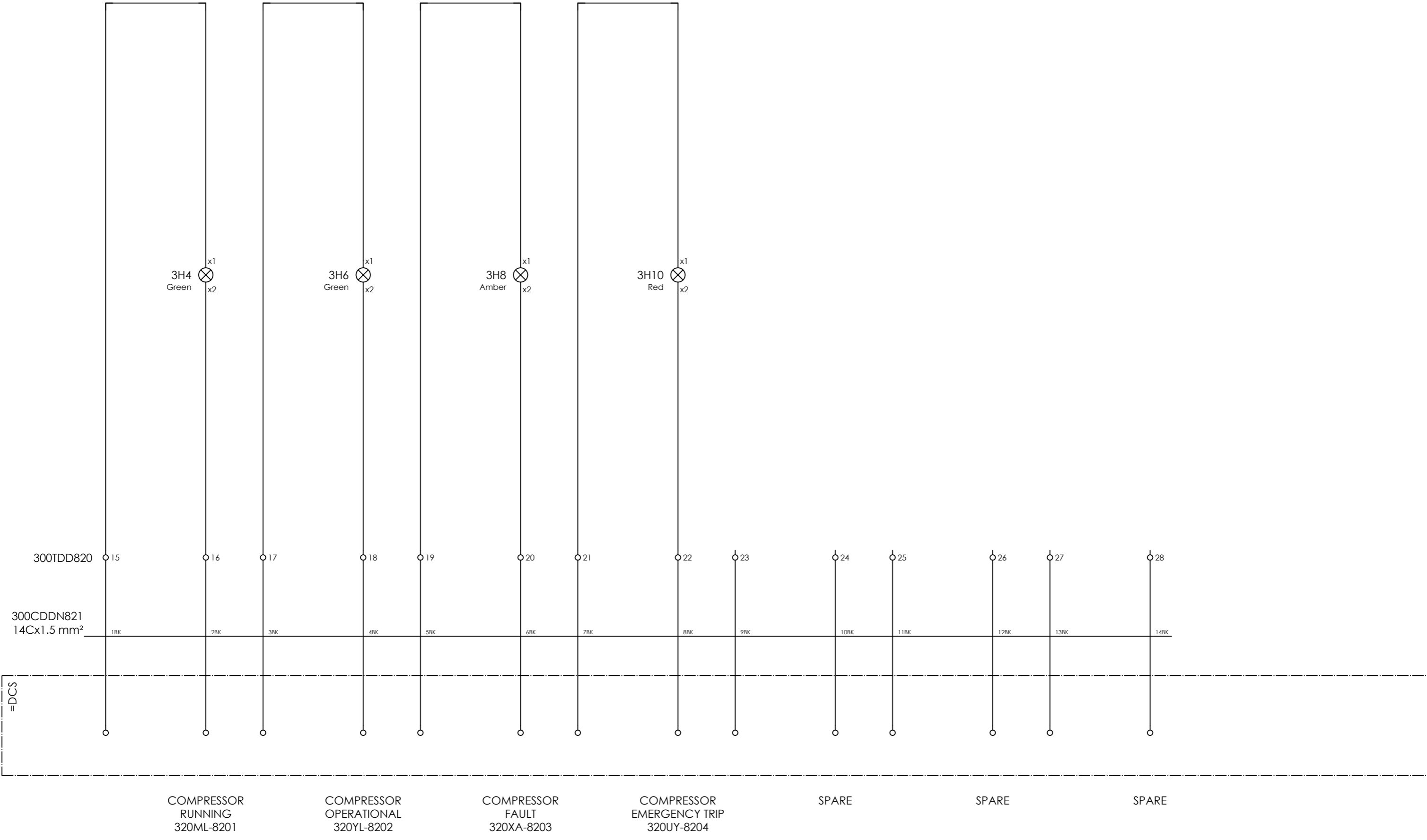


CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005
EQUIPMENT NO.	320-K-020
EQUIPMENT LOCATION	IRAN, ONSHORE

SUBJECT PUSHBUTTONS	
ADAPTED TO P&ID REVISION	08
CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

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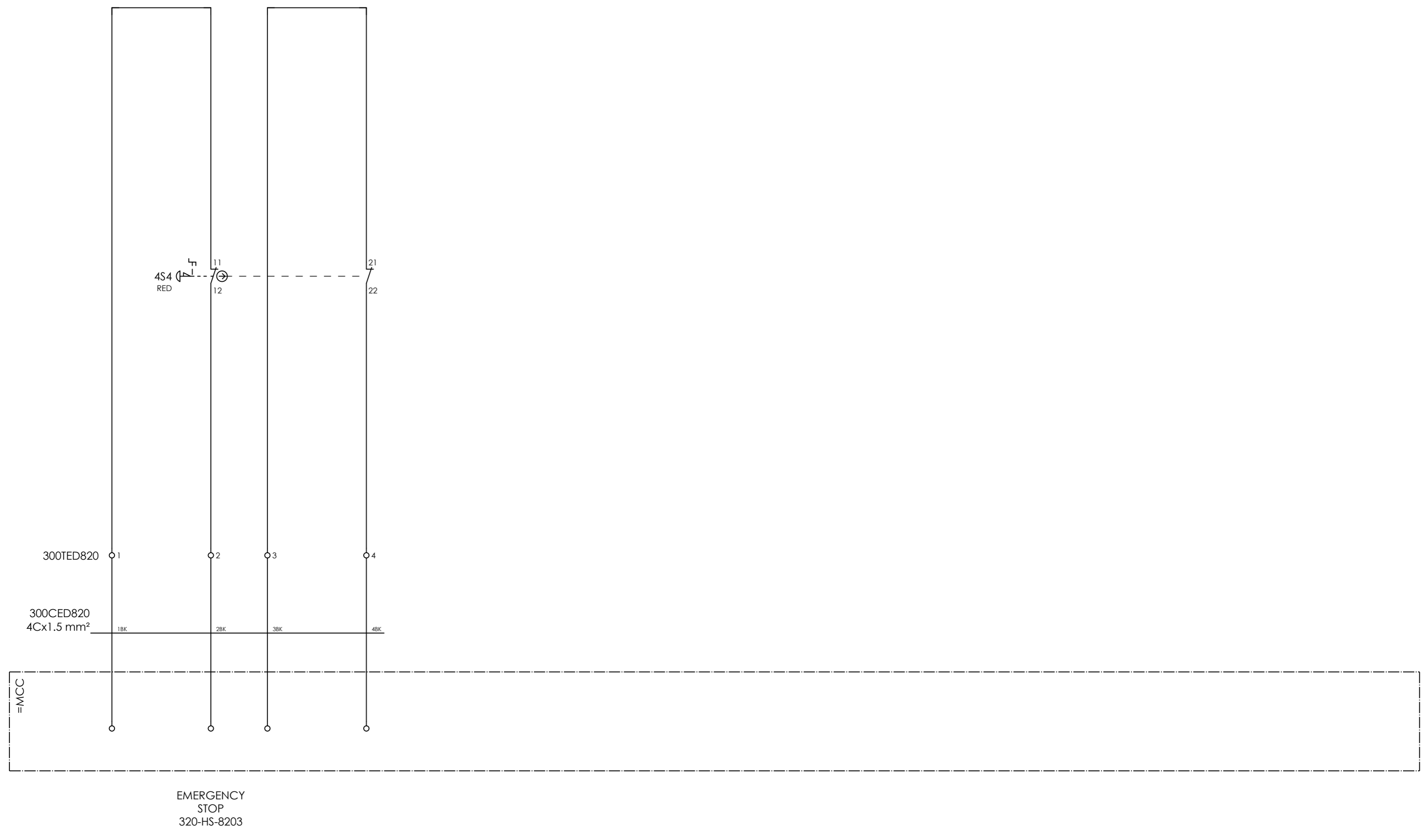


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EQUIPMENT NO.	320-K-020
EQUIPMENT LOCATION	IRAN, ONSHORE

SUBJECT LAMPS	
ADAPTED TO P&ID REVISION	08
CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

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CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005
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SUBJECT ESD PUSHBUTTON	
ADAPTED TO P&ID REVISION	08
CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram


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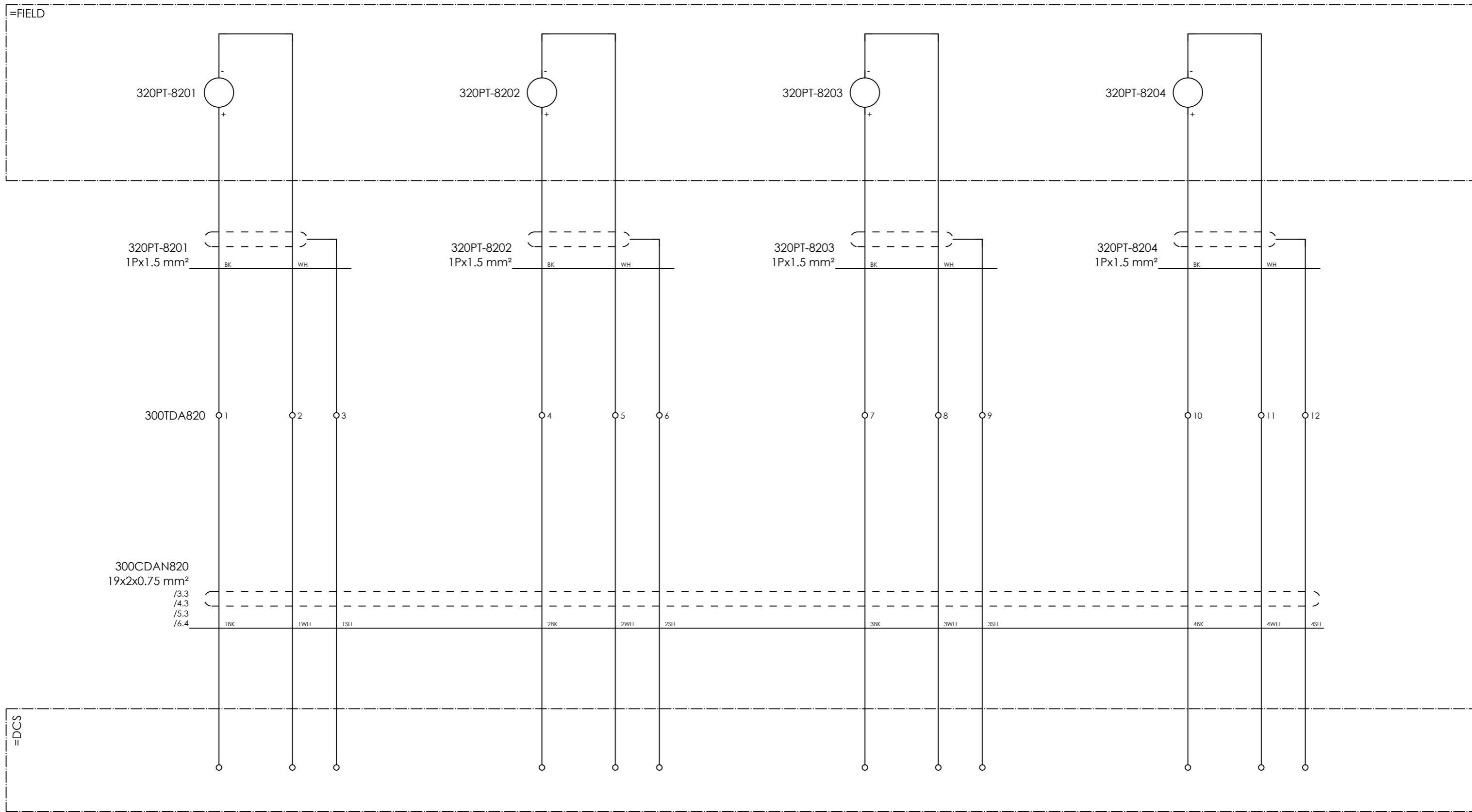
= 320-K-020
+ 300LP-820
CURRENT PAGE

300JDAN-820 ANALOG JUNCTION BOX

TERMINAL STRIP DEFINITION

300TDA820 = CONNECTION ANALOG TRANSMITTERS TO CLIENT
 300TDA821 = CONNECTION PRESSURE CONTROL VALVE TO CLIENT

	CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005	SUBJECT		DRAWN BY	RTR	= 320-K-020
	EQUIPMENT NO.	320-K-020	TERMINAL STRIP DEFINITION		CHECKED BY	RBE	+ 300JDAN-820
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			CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT		REVISION	06
		AIRPACK REF.	17735-05 Wiring Diagram		TOTAL PAGE AMOUNT	11	



PRESSURE TRANSMITTER 320PT-8201

PRESSURE TRANSMITTER 320PT-8202

PRESSURE TRANSMITTER 320PT-8203

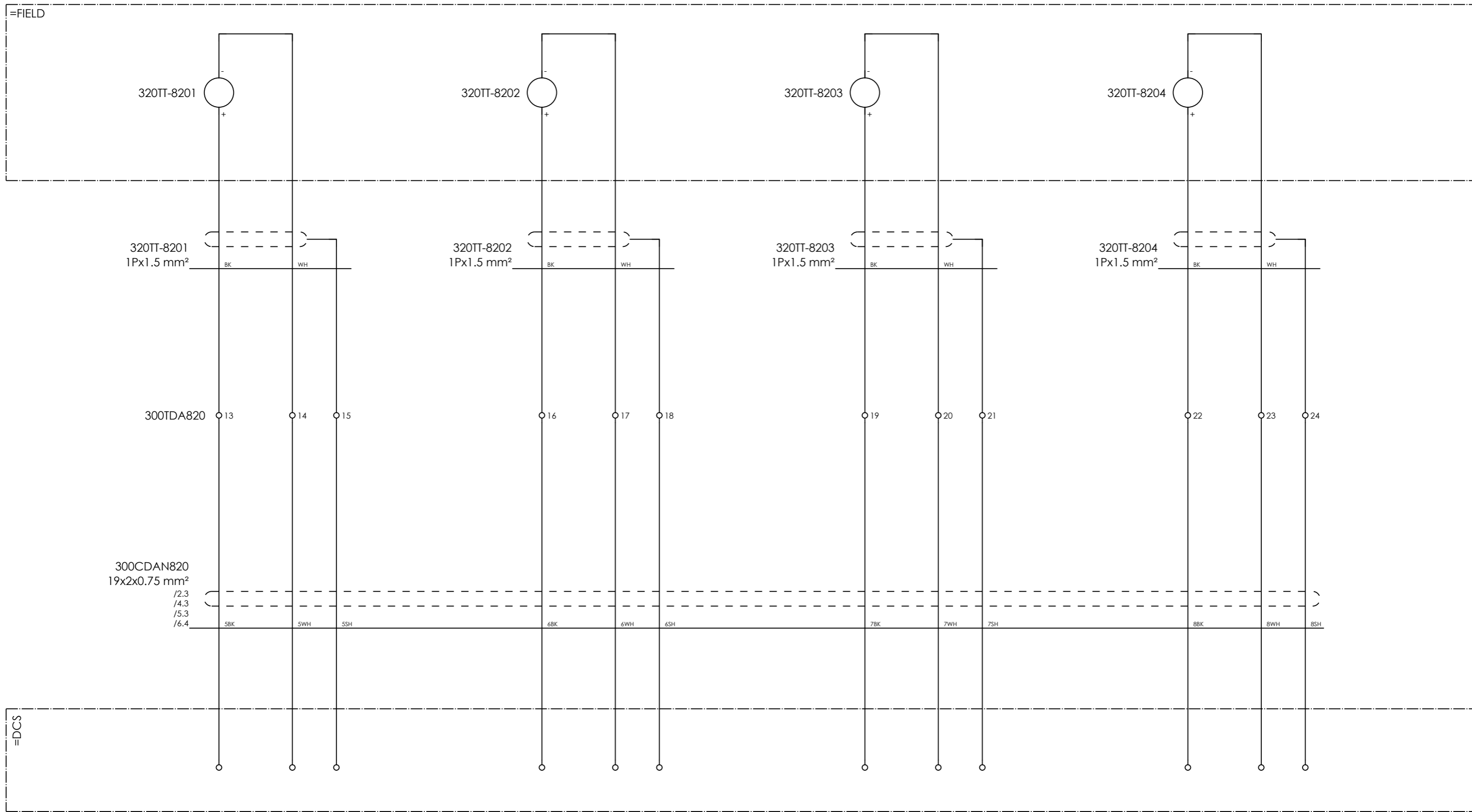
PRESSURE TRANSMITTER 320PT-8204



CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005
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EQUIPMENT LOCATION	IRAN, ONSHORE
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SUBJECT ANALOG TRANSMITTERS	
ADAPTED TO P&ID REVISION	08
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	CURRENT PAGE
AIRPACK DWG NO.	17735-05	
REVISION	06	
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TEMPERATURE TRANSMITTER 320TT-8201

TEMPERATURE TRANSMITTER 320TT-8202

TEMPERATURE TRANSMITTER 320TT-8203

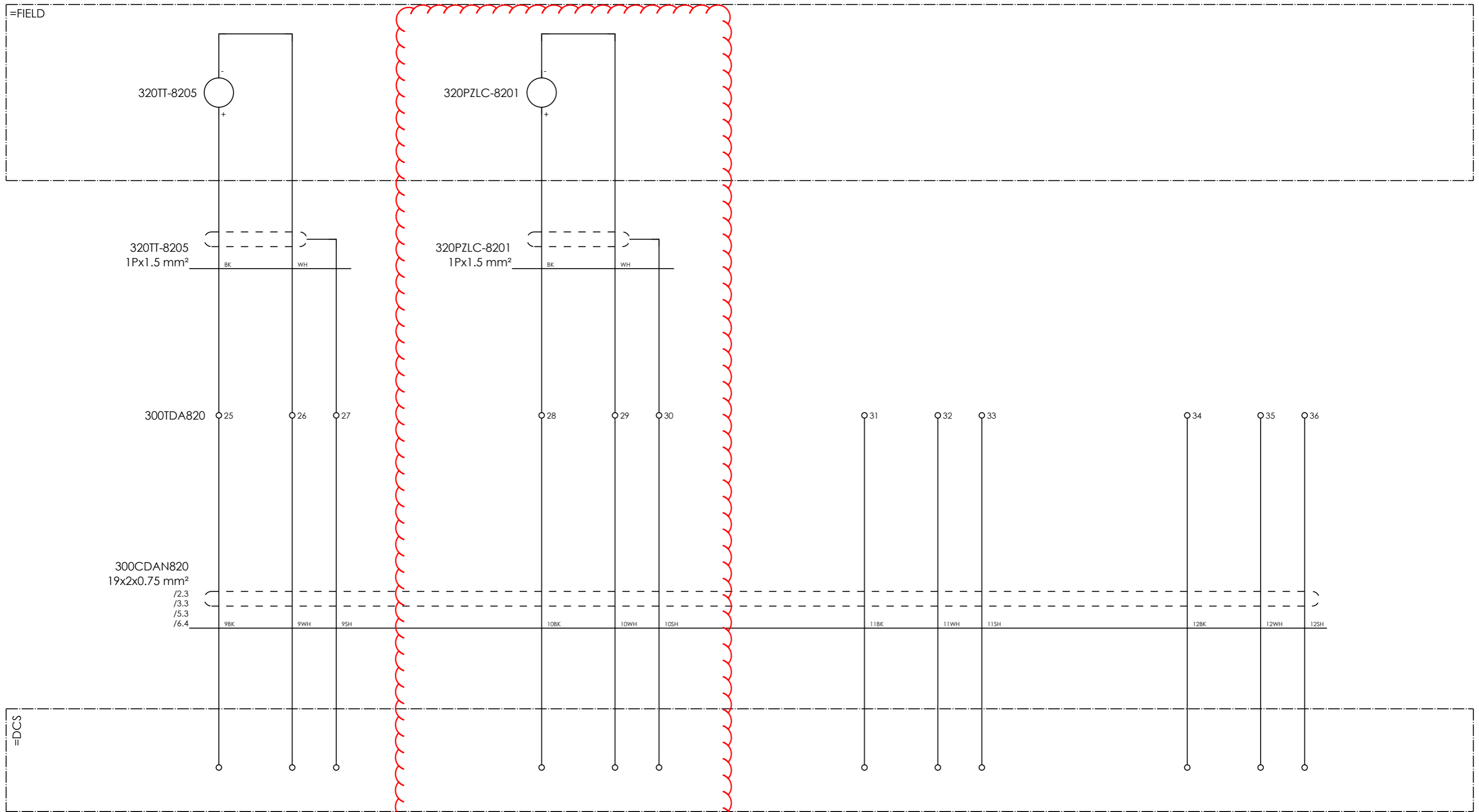
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CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005
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EQUIPMENT LOCATION	IRAN, ONSHORE
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SUBJECT ANALOG TRANSMITTERS	
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CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

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LAST MODIFICATION DATE	2023-12-18	CURRENT PAGE
AIRPACK DWG NO.	17735-05	
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TOTAL PAGE AMOUNT	13	



TEMPERATURE
TRANSMITTER
320TT-8205

PRESSURE
CONTROL VALVE
320PCV-8201
POSITION FEEDBACK

SPARE

SPARE

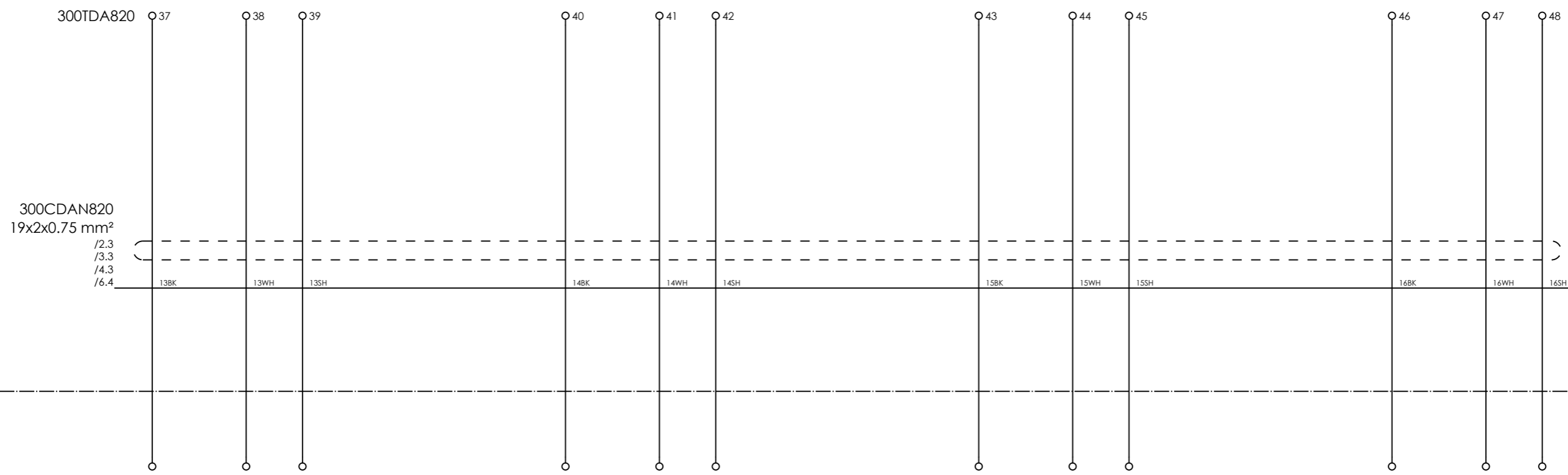


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SUBJECT		ANALOG TRANSMITTERS	
ADAPTED TO P&ID REVISION	08	CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT	AIRPACK REF.	17735-05 Wiring Diagram

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LAST MODIFICATION DATE	2023-12-18	CURRENT PAGE
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=FIELD



=DCS



CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005
EQUIPMENT NO.	320-K-020
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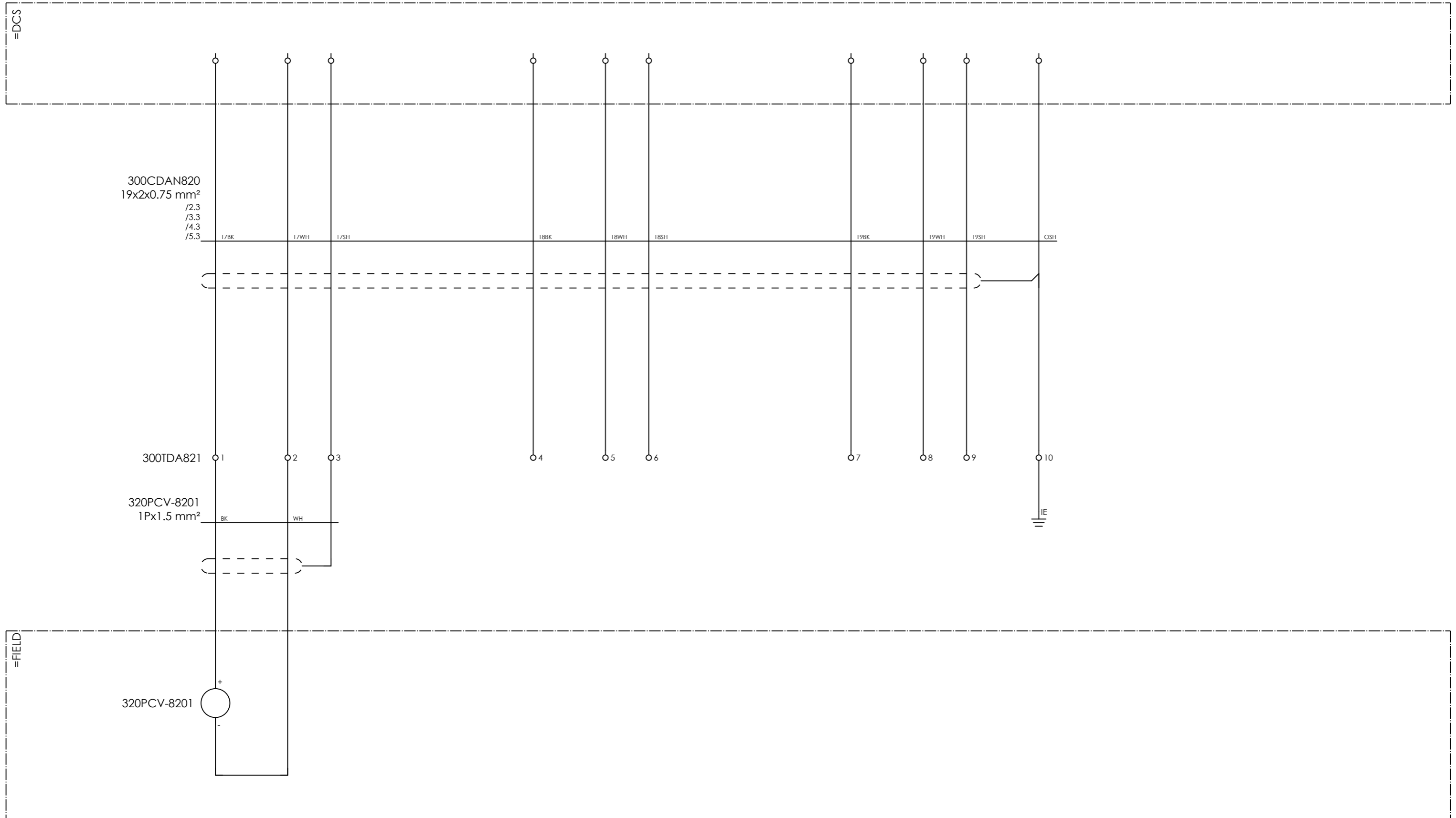
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CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

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TOTAL PAGE AMOUNT	15	

PRESSURE CONTROL VALVE
320PCV-8201

SPARE

SPARE



CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005
EQUIPMENT NO.	320-K-020
EQUIPMENT LOCATION	IRAN, ONSHORE
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SUBJECT PRESSURE CONTROL VALVE	
ADAPTED TO P&ID REVISION	08
CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

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AIRPACK DWG NO.	17735-05
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