



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	07

Page 1 of 21

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

07	08-05-2024	Issued for Approval	R.T.	S.K.	J.J.
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	07	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	X				51						76					
2	X	X	X	X	X	X	X				52						77					
3	X	X	X	X	X	X	X				53						78					
4	X	X	X	X	X	X	X				54						79					
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18	X	X		X	X	X	X				68						ATTACHMENT					
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20	X	X			X	X	X				70						2					
21		X			X	X	X				71						3					
22											72						4					
23											73						5					
24											74						6					
25											75						7					



Airpack B.V.

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The Netherlands

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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	
Airpack reference	:	17735-05 Wiring Diagram	
Airpack dwg. no.	:	17735-05	
Generation date	:	2023-11-02	
E & I manager	:	RBE	Revision no. : 07
Last modifications	:	2024-05-08	
Last modifications by	:	RTR	



CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005	SUBJECT		DRAWN BY	RTR	=
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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	07	
		AIRPACK REF.	17735-05 Wiring Diagram	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:


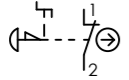


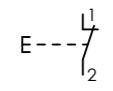
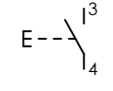


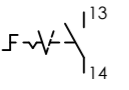
- 17735-03 - N-278-VD-6019-PR-PID-0002 - P&ID
- 17735-06 - N-278-VD-6019-IN-LIS-0006 - I/O List
- 17735-07 - N-278-VD-6019-IN-DWG-0007 - Outline Dimensional Drawings for LCP Panel and Junction Box
- 17735-21 - N-278-VD-6019-GN-PRO-0022 - Control Philosophy

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	07	
		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

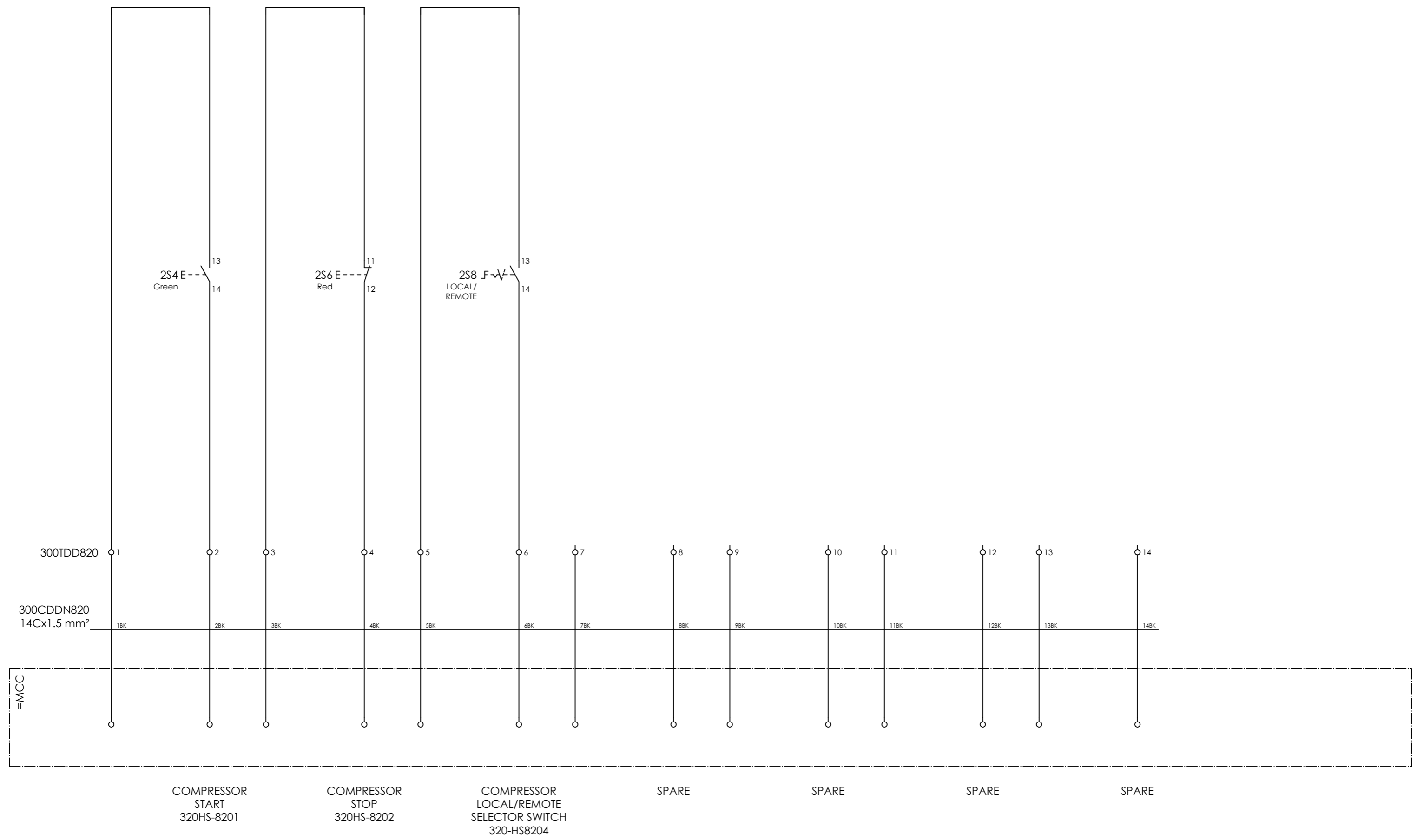
TERMINAL STRIP DEFINITION

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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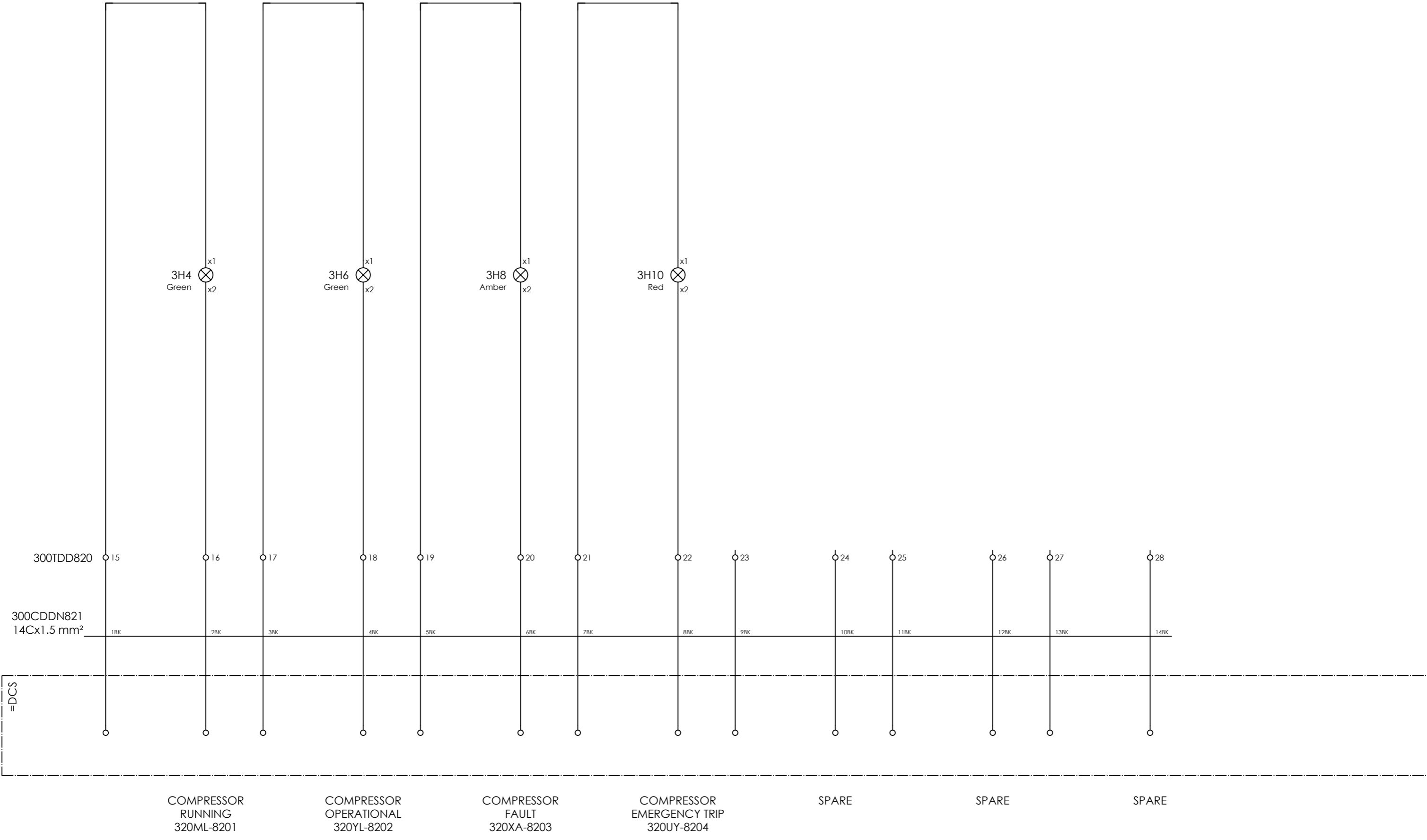


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SUBJECT PUSHBUTTONS	
ADAPTED TO P&ID REVISION	08
CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

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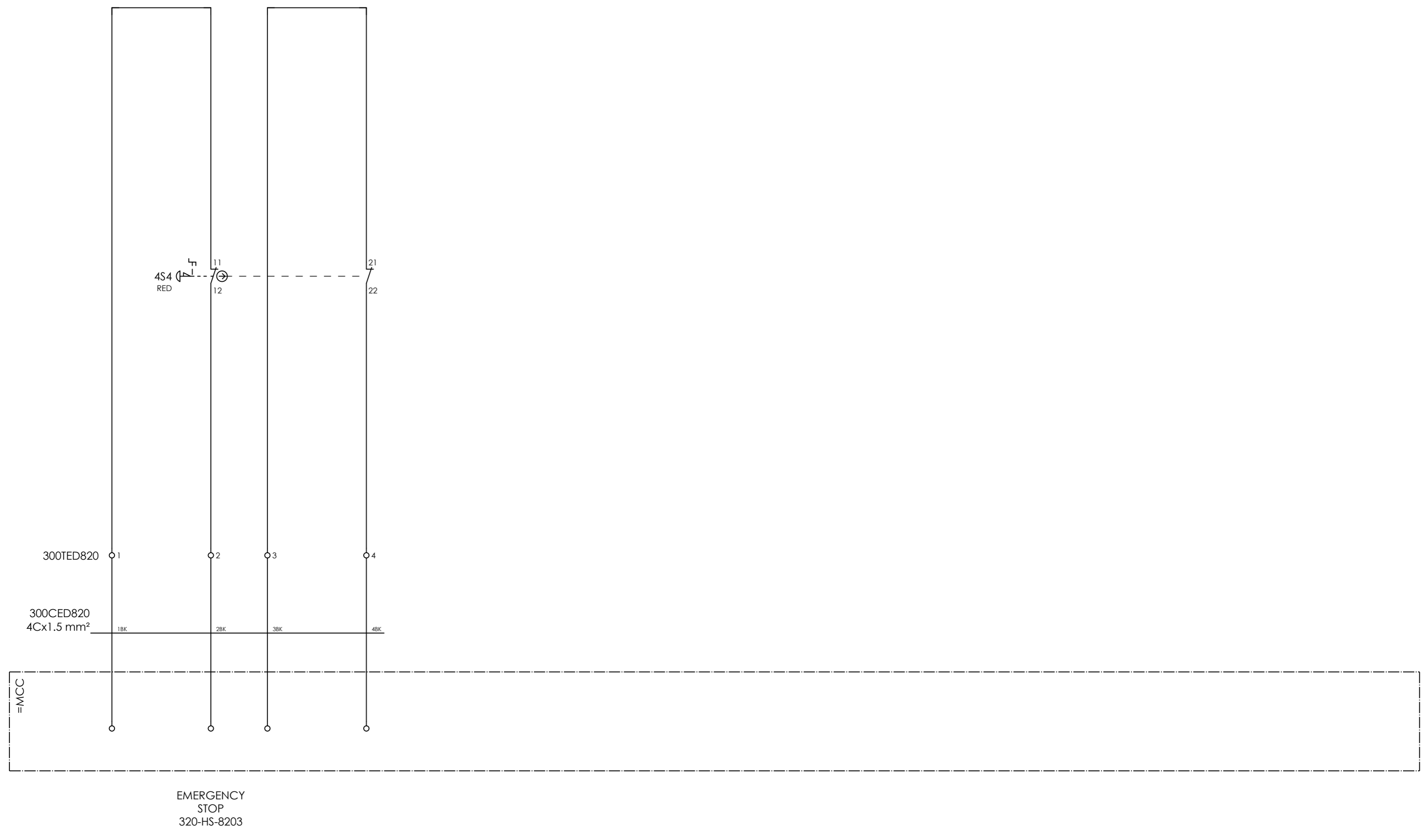


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SUBJECT LAMPS	
ADAPTED TO P&ID REVISION	08
CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

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EQUIPMENT LOCATION	IRAN, ONSHORE
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SUBJECT ESD PUSHBUTTON	
ADAPTED TO P&ID REVISION	08
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CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
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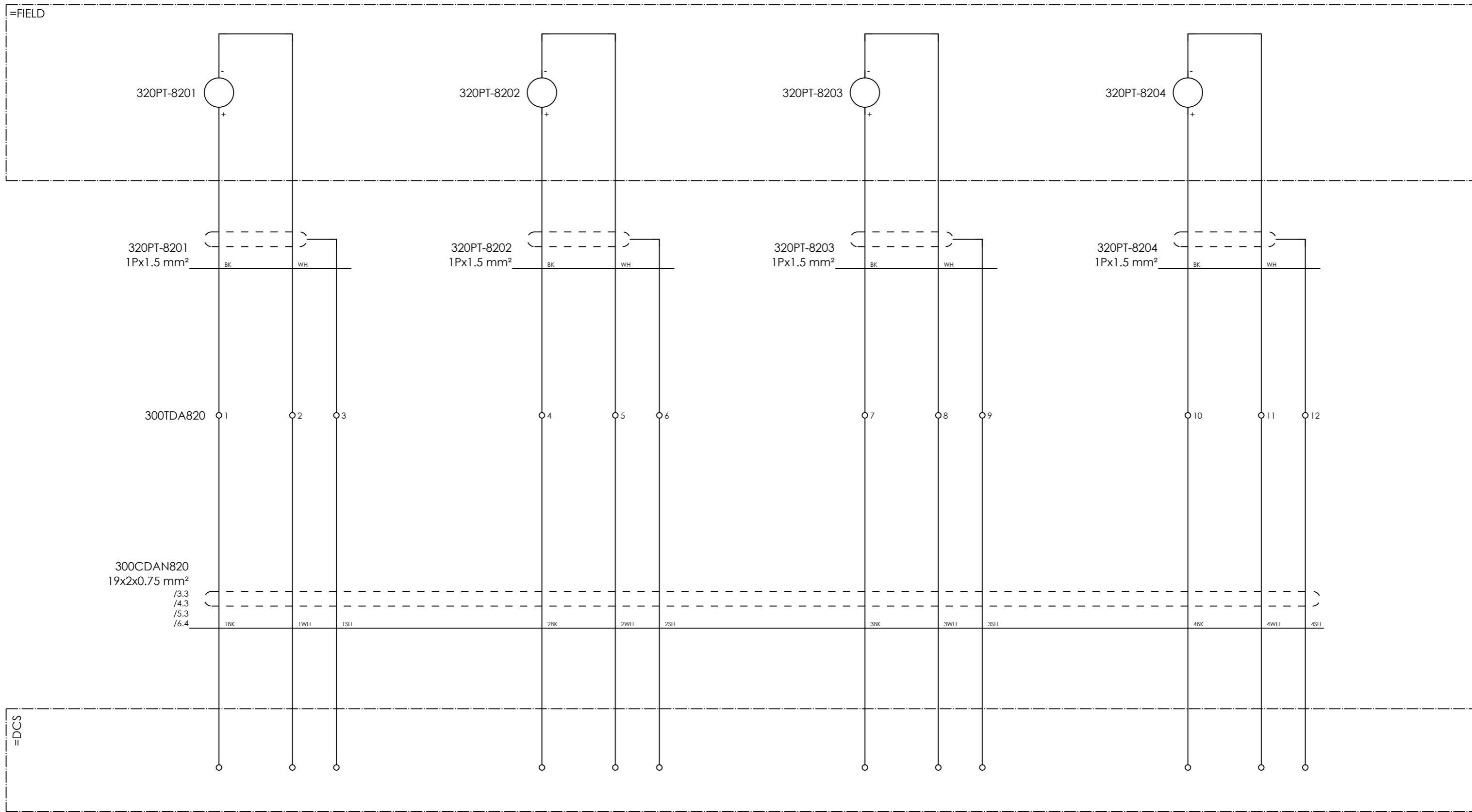
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LAST MODIFICATION DATE	2023-12-18	CURRENT PAGE
AIRPACK DWG NO.	17735-05	
REVISION	07	
TOTAL PAGE AMOUNT	8	

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	07	
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PRESSURE TRANSMITTER
320PT-8201

PRESSURE TRANSMITTER
320PT-8202

PRESSURE TRANSMITTER
320PT-8203

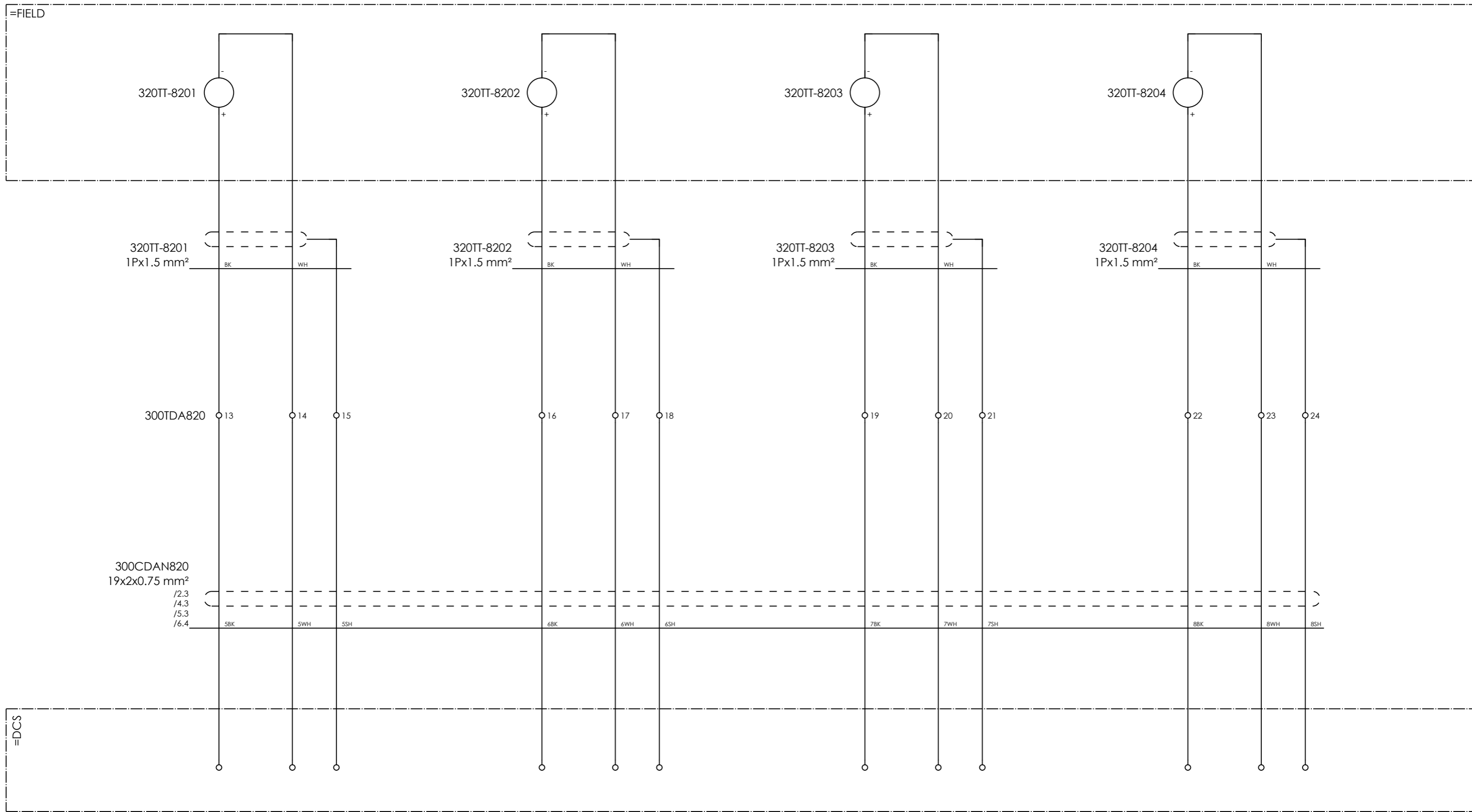
PRESSURE TRANSMITTER
320PT-8204



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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CHECKED BY	RBE	+ 300JDAN-820
LAST MODIFICATION DATE	2023-12-18	CURRENT PAGE
AIRPACK DWG NO.	17735-05	
REVISION	07	
TOTAL PAGE AMOUNT	12	



TEMPERATURE
TRANSMITTER
320TT-8201

TEMPERATURE
TRANSMITTER
320TT-8202

TEMPERATURE
TRANSMITTER
320TT-8203

TEMPERATURE
TRANSMITTER
320TT-8204



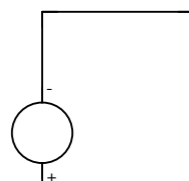
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EQUIPMENT LOCATION	IRAN, ONSHORE
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SUBJECT ANALOG TRANSMITTERS	
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CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
AIRPACK REF.	17735-05 Wiring Diagram

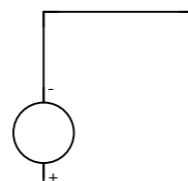
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REVISION	07	
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320TT-8205



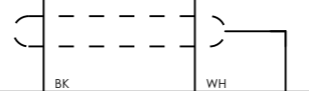
320PZLC-8201



320TT-8205
1Px1.5 mm²



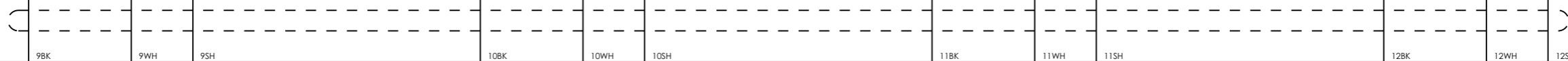
320PZLC-8201
1Px1.5 mm²



300TDA820



300CDAN820
19x2x0.75 mm²
/2.3
/3.3
/5.3
/6.4



=DCS

TEMPERATURE
TRANSMITTER
320TT-8205

PRESSURE
CONTROL VALVE
320PCV-8201
POSITION FEEDBACK

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 ANALOG TRANSMITTERS	
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CLIENT	LAVAN INDUSTRY DEVELOPMENT COMPANY (LIDCO)
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AIRPACK REF.	17735-05 Wiring Diagram

DRAWN BY	RTR	= 320-K-020
CHECKED BY	RBE	+ 300JDAN-820
LAST MODIFICATION DATE	2023-12-18	CURRENT PAGE
AIRPACK DWG NO.	17735-05	
REVISION	07	
TOTAL PAGE AMOUNT	14	

=FIELD

300TDA820

○ 37

○ 38

○ 39

○ 40

○ 41

○ 42

○ 43

○ 44

○ 45

○ 46

○ 47

○ 48

300CDAN820
19x2x0.75 mm²

/2.3
/3.3
/4.3
/6.4

13BK

13WH

13SH

14BK

14WH

14SH

15BK

15WH

15SH

16BK

16WH

16SH

=DCS

SPARE

SPARE

SPARE

SPARE



CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005
EQUIPMENT NO.	320-K-020
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CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
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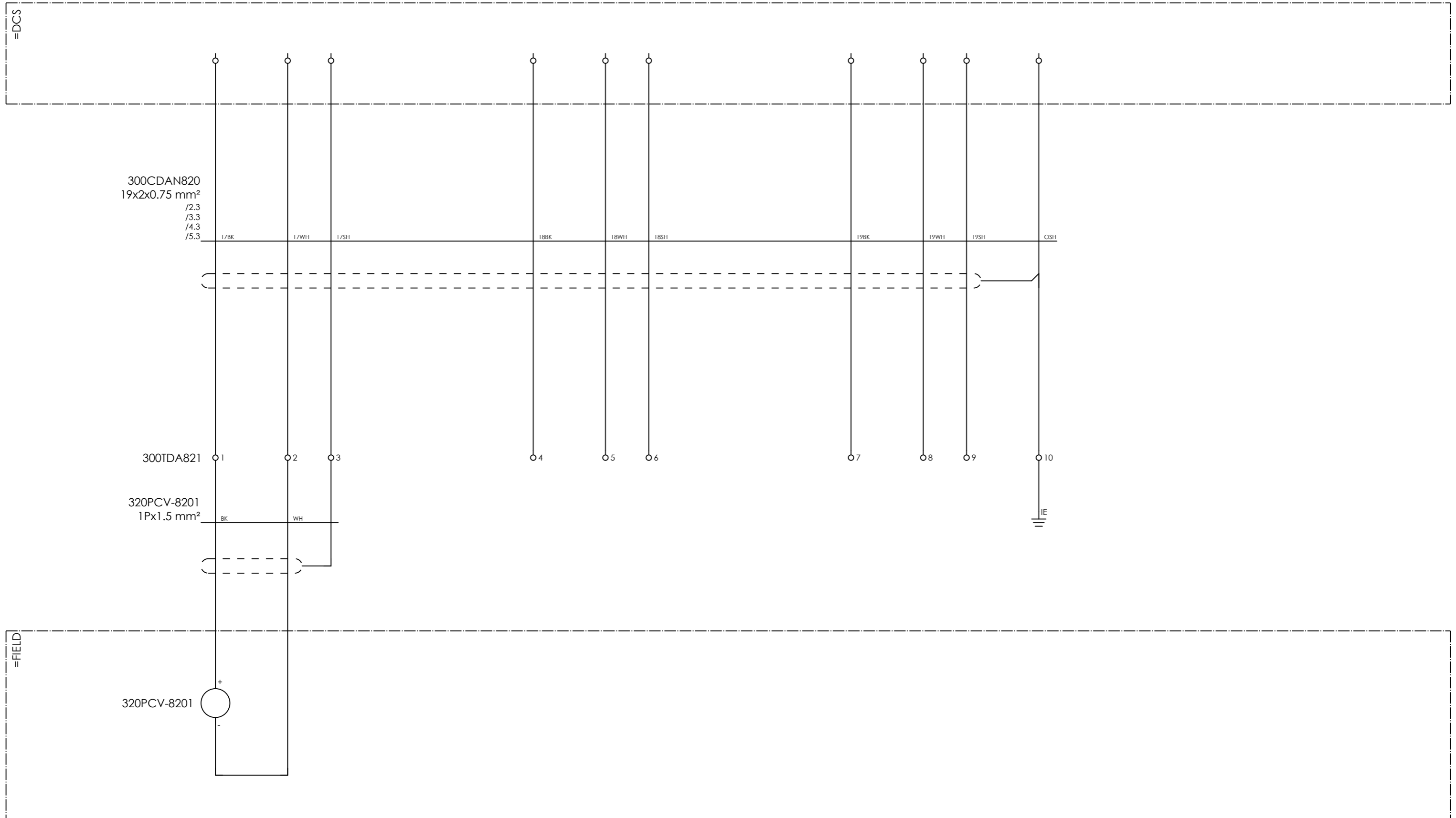
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REVISION	07
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CURRENT PAGE

PRESSURE
CONTROL VALVE
320PCV-8201

SPARE

SPARE



CLIENT DWG NO.	N-278-VD-6019-IN-DIA-0005
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SUBJECT PRESSURE CONTROL VALVE	
ADAPTED TO P&ID REVISION	08
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CLIENT REF.	INTEGRATED METHANOL AND AMMONIA PLANT
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LAST MODIFICATION DATE	2023-12-18
AIRPACK DWG NO.	17735-05
REVISION	07
TOTAL PAGE AMOUNT	16

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

