







OWNER:  شرکت سست و سویی توپد ایرانیاان (سهایی ناس)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerehimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	LOGIC DIAGRAMS-PROGRAM OF UCP - COMPRESSOR SHUTDOWN LOGIC DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR								
MC :  شرکت سست و سویی توپد ایرانیاان (سهایی ناس)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-32B	BU	20	VD	303	IN	DIG	0085	Rev.:	Page
								04	1 of 16

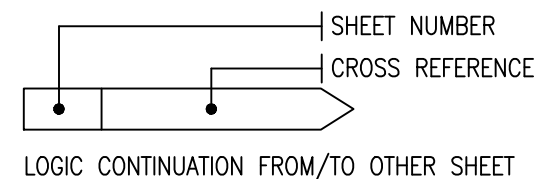
LOGIC DIAGRAMS-PROGRAM OF UCP - COMPRESSOR SHUTDOWN LOGIC DRAWING FOR EMERGENCY INSTRUMENT AIR COMPRESSOR

 شرکت سست و سویی توپد ایرانیاان توسعه کبر استیاان	 Chagalesh-Enerehimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
Document Review		
Issue Purpose:	AFC	
Result Code: AP,AN,CM,RE,NC	AP	
Next Status : IFC,IFA,IFI,AFC,AB	-	
Responsible Department	MECHANICAL	
Commented Date	7/13/2022	
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.		

04	05/07/2022	Approved for Construction	RT	KP	JR	
04	17/05/2022	Approved for Construction	AZ	KP	JR	
03	18/03/2022	Approved for Construction	AS	KP	JR	
02	06/01/2022	Approved for Construction	AS	KP	JR	
01	30/11/2021	For approval	WZ	KP	JR	
00	24/11/2020	For approval	TJ	RB	JR	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
					Class: 1	Phase: P

SYMBOL	FUNCTION	DESCRIPTION
	AND	OUTPUT D EXISTS ONLY IF AND WHILE INPUTS A,B AND C EXIST.
	OR	OUTPUT D EXISTS ONLY IF AND WHILE ONE OR MORE OF INPUTS A,B OR C EXIST.
	XOR	OUTPUT D EXISTS ONLY IF AND WHILE ONE OF INPUTS A,B OR C EXIST.
	NOT	OUTPUT B EXISTS ONLY IF AND WHILE INPUT A DOES NOT EXIST.
	TIMER (DELAY INITIATION)	THE CONTINUOUS EXISTENCE OF INPUT A FOR TIME T CAUSES OUTPUT B TO EXIST WHEN THE TIME T EXPIRES. B TERMINATES IMMEDIATELY WHEN A TERMINATES.
	TIMER (DELAY TERMINATION)	THE EXISTENCE OF INPUT A CAUSES OUTPUT B TO EXIST IMMEDIATELY. B TERMINATES WHEN A HAS TERMINATED AND HAS NOT AGAIN EXISTED FOR TIME T.
	PULSE OUTPUT	THE EXISTENCE OF INPUT A CAUSES OUTPUT B TO EXIST IMMEDIATELY. B EXISTS FOR TIME T, REGARDLESS OF THE STATE OF A.
	FLIP-FLOP MEMORY (SET PRIORITY)	OUTPUT C EXISTS AS SOON AS A EXISTS. C CONTINUES TO EXIST, REGARDLESS OF THE SUBSEQUENT STATE OF A, UNTIL THE MEMORY IS RESET (I.E; TERMINATED BY B EXISTING) C REMAINS TERMINATED, REGARDLESS OF THE SUBSEQUENT STATE OF B, UNTIL A CAUSES THE MEMORY TO BE SET. IF A AND B EXIST SIMULTANEOUSLY, A OVERRIDES B.
	FLIP-FLOP MEMORY (RESET PRIORITY)	OUTPUT C EXISTS AS SOON AS A EXISTS. C CONTINUES TO EXIST, REGARDLESS OF THE SUBSEQUENT STATE OF A, UNTIL THE MEMORY IS RESET (I.E; TERMINATED BY B EXISTING) C REMAINS TERMINATED, REGARDLESS OF THE SUBSEQUENT STATE OF B, UNTIL A CAUSES THE MEMORY TO BE SET. IF A AND B EXIST SIMULTANEOUSLY, B OVERRIDES A.
		LOGIC CONNECTION
		NO CONNECTION
		SERIAL LINK / FOUNDATION FIELDBUS PROTOCOL

SYMBOL	DESCRIPTION
	EMERGENCY PUSHBUTTON, RED HEAD, STAY PUT.
	TOGGLE SWITCH
	PUSHBUTTON MOMENTARILY MAKE
	PUSHBUTTON MOMENTARILY BREAK
	CONTACT NORMALLY OPEN
	CONTACT NORMALLY CLOSED
	HARDWIRED INPUT/OUTPUT
	SOLENOID VALVE, 3-WAY
	DISTRIBUTED CONTROL SYSTEM
	PLC CONTROL SYSTEM
	DCS AUXILIARY CONSOLE
	LAMP
	HMI
	AUDIBLE ALARM
	RELAY COIL



ABBREVIATIONS

DCS : DISTRIBUTED CONTROL SYSTEM
UCP : UNIT CONTROL PANEL
LCP : LOCAL CONTROL PANEL
PLC : PROGRAMMABLE LOGIC CONTROLLER
I/P : INPUT
O/P : OUTPUT
ESD : EMERGENCY SHUTDOWN
MCC : MOTOR CONTROL CENTRE

GENERAL NOTES

- SHUTDOWN CONDITION ;
0 = SHUTDOWN 1 = OPERATING
- ALARM/TRIP CONDITION ;
0 = ALARM 1=NORMAL
0 = TRIP 1=NORMAL
- REMOTE/LOCAL CONDITION ;
0 = LOCAL 1=REMOTE

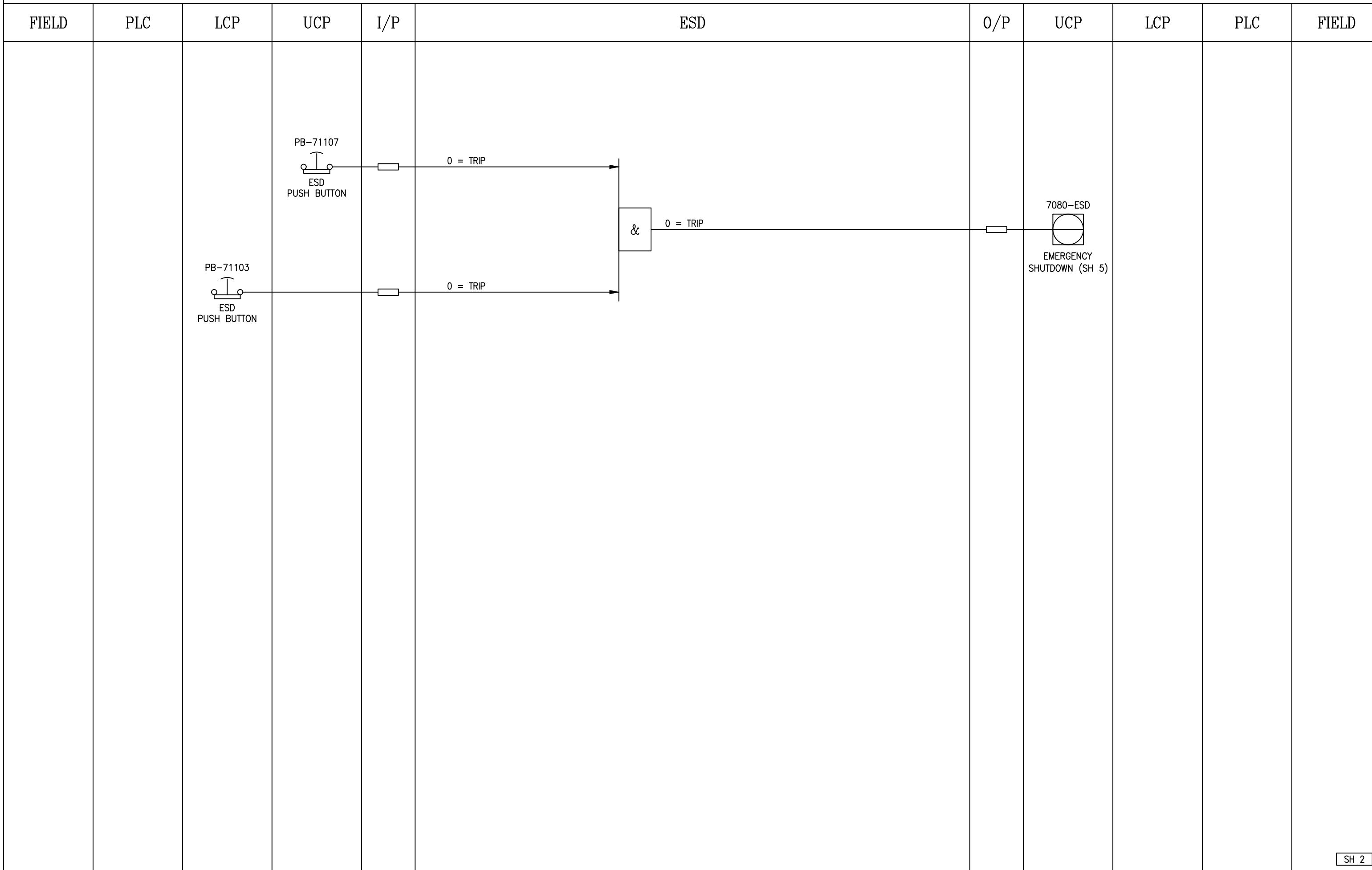
SH 1




SUBJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT EMERGENCY INSTRUMENT AIR COMPRESSOR	DATE	20-11-2020
CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)	DRAWN BY	TJ
CLIENT REF	20-C-7080	CHECKED BY	KP
AIRPACK REF	17811	PLANT LOCATION	IRAN
		DRAWING NO.	17811-32B
		SHEETNO.	01 /14

THIS DRAWING IS OWNED BY AIRPACK AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION	REV 05	04-07-2022	RT
	REV 04	16-05-2022	WZ
	REV 03	18-03-2022	AS
	REV02	03-01-2022	AS
	REV 01	29-11-2021	WZ
	REV 00	20-11-2020	TJ

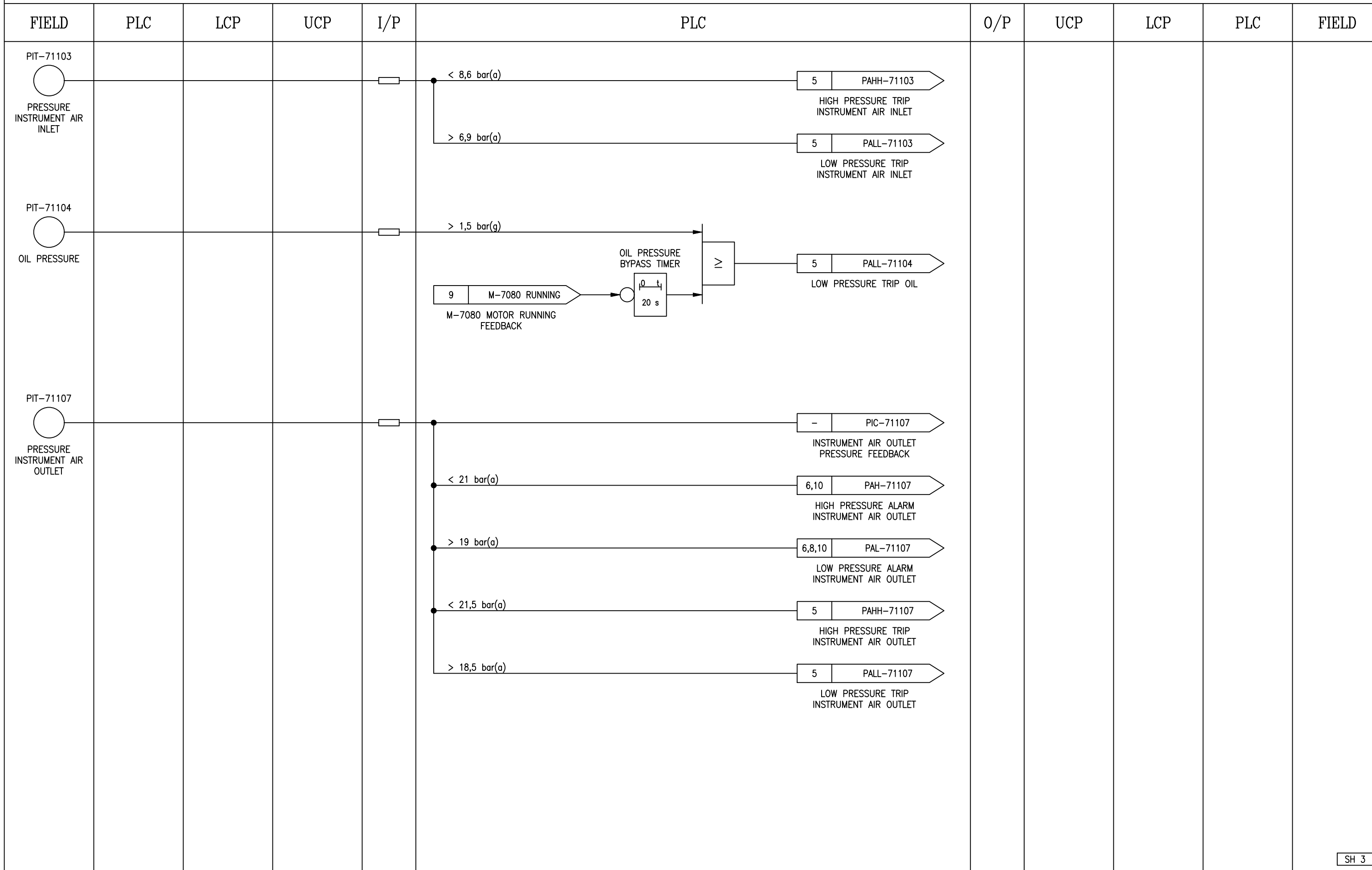
LOGIC DIAGRAM




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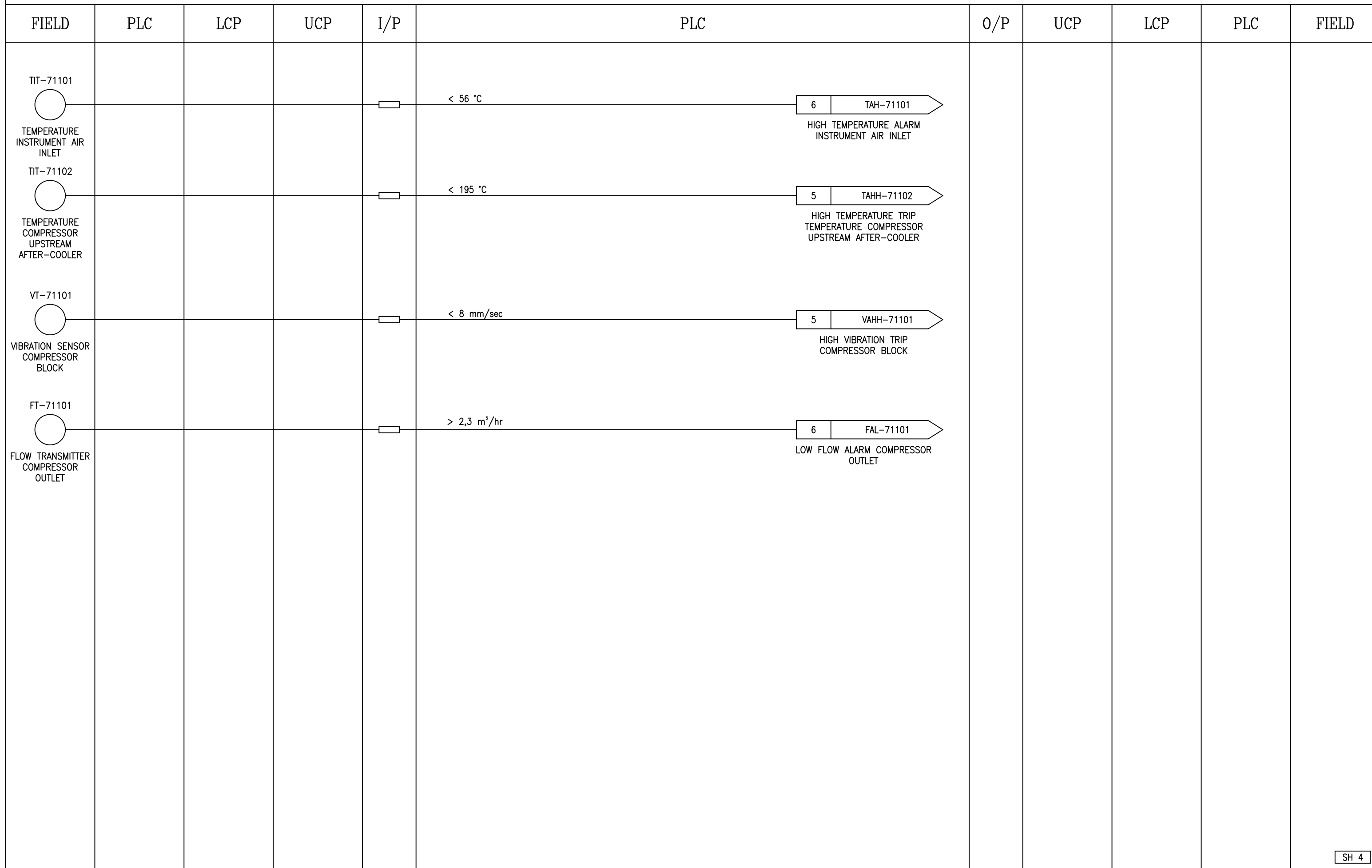
LOGIC DIAGRAM



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			CHECKED BY	KP	
	CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION	IRAN	
	CLIENT REF	20-C-7080	DRAWING NO.	17811-32B	
AIRPACK REF	17811	SHEETNO.	03 / 14		
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LOGIC DIAGRAM



SH 4

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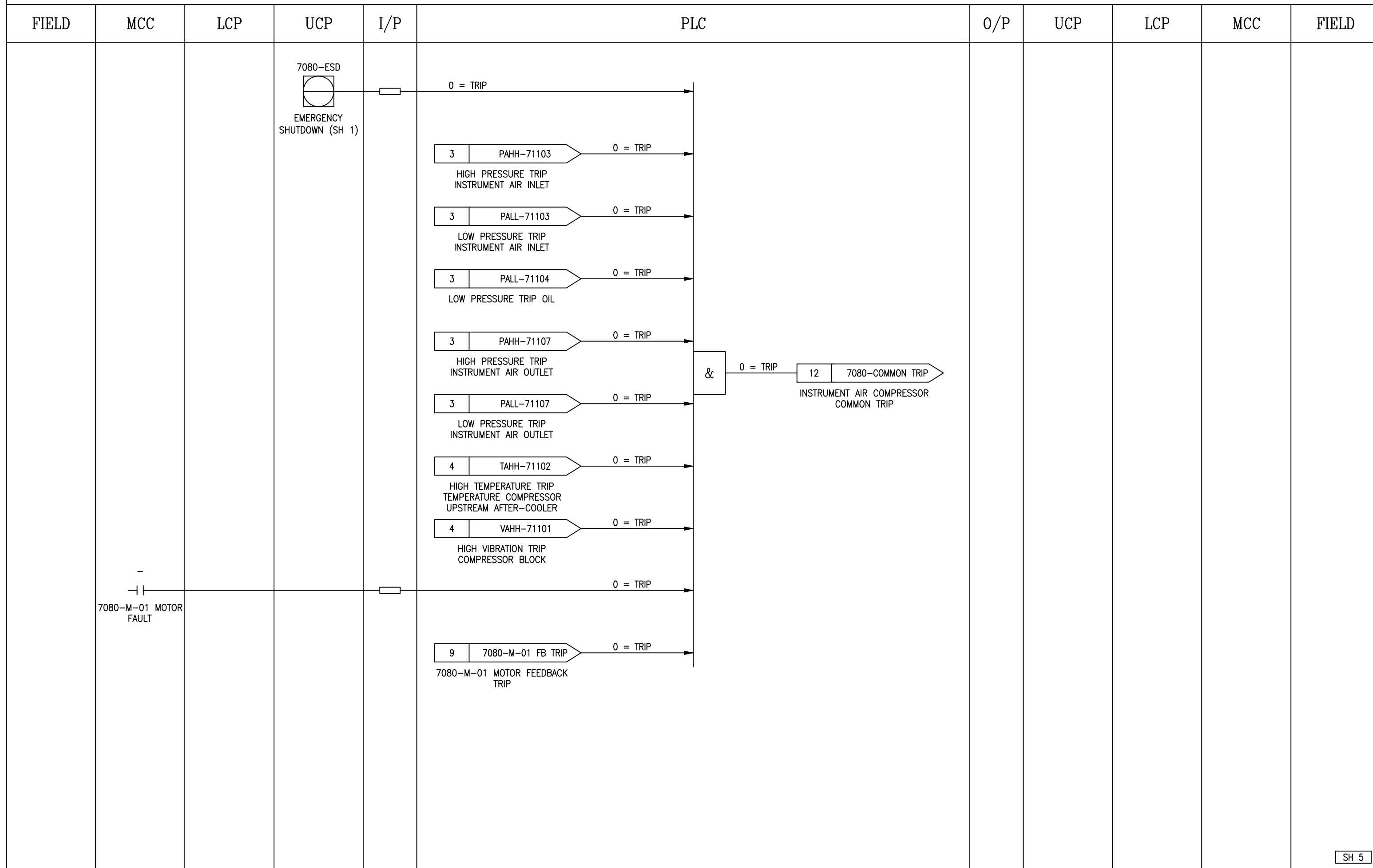


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CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION	IRAN
CLIENT REF	20-C-7080	DRAWING NO.	17811-32B
AIRPACK REF	17811	SHEETNO.	04 / 14

DATE	20-11-2020
DRAWN BY	TJ
CHECKED BY	KP

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REV 01	29-11-2021	WZ
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LOGIC DIAGRAM



SH 5

NOTES:

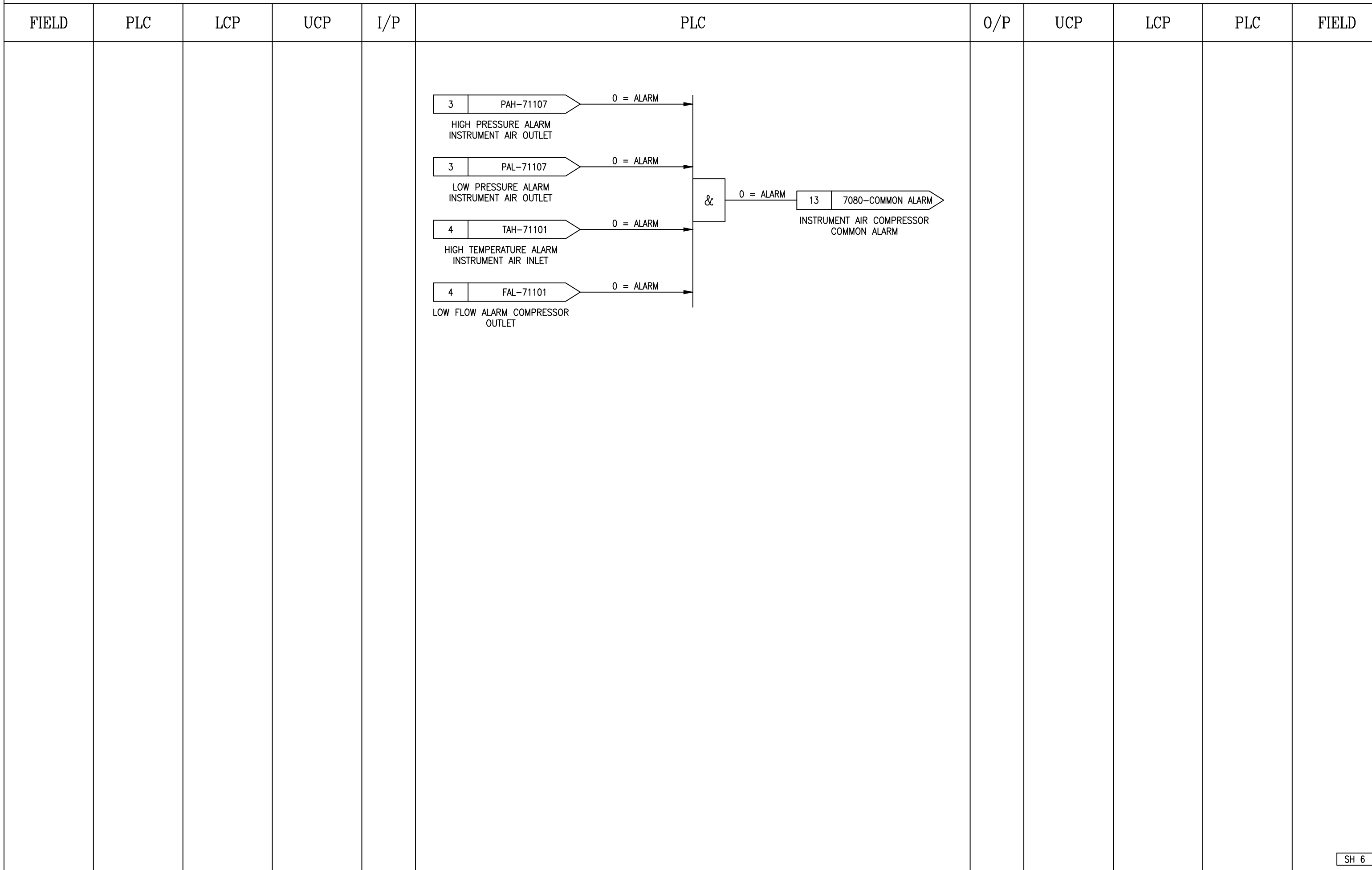


SUBJECT		BUSHEHR PETROCHEMICAL COMPANY MEG PLANT EMERGENCY INSTRUMENT AIR COMPRESSOR	
CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION	IRAN
CLIENT REF	20-C-7080	DRAWING NO.	17811-32B
AIRPACK REF	17811	SHEETNO.	05 / 14

DATE	20-11-2020
DRAWN BY	TJ
CHECKED BY	KP

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REV 04	16-05-2022	WZ
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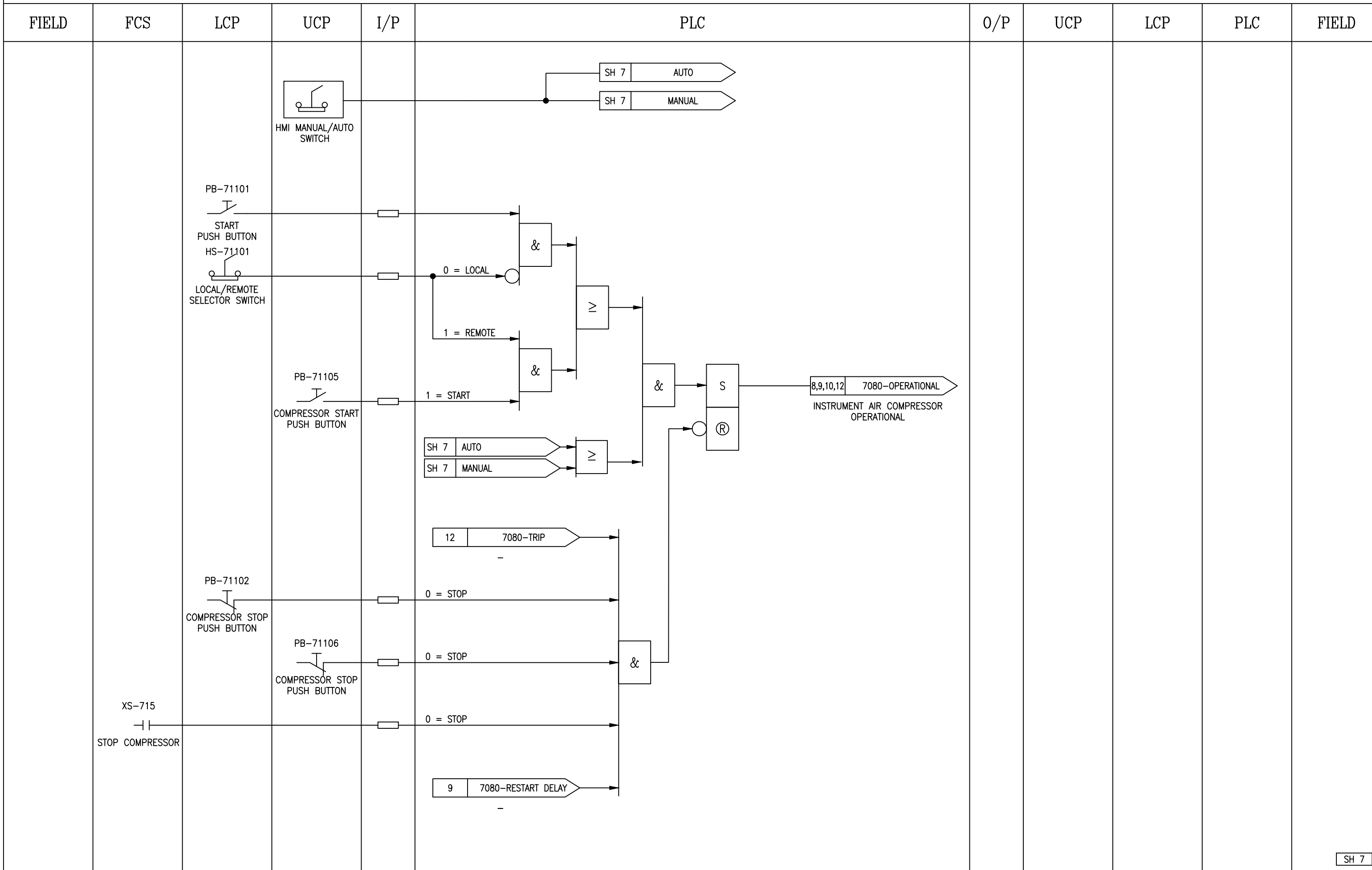
LOGIC DIAGRAM



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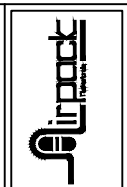
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			CHECKED BY	KP	
	CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION	IRAN	
	CLIENT REF	20-C-7080	DRAWING NO.	17811-32B	
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LOGIC DIAGRAM



SH 7

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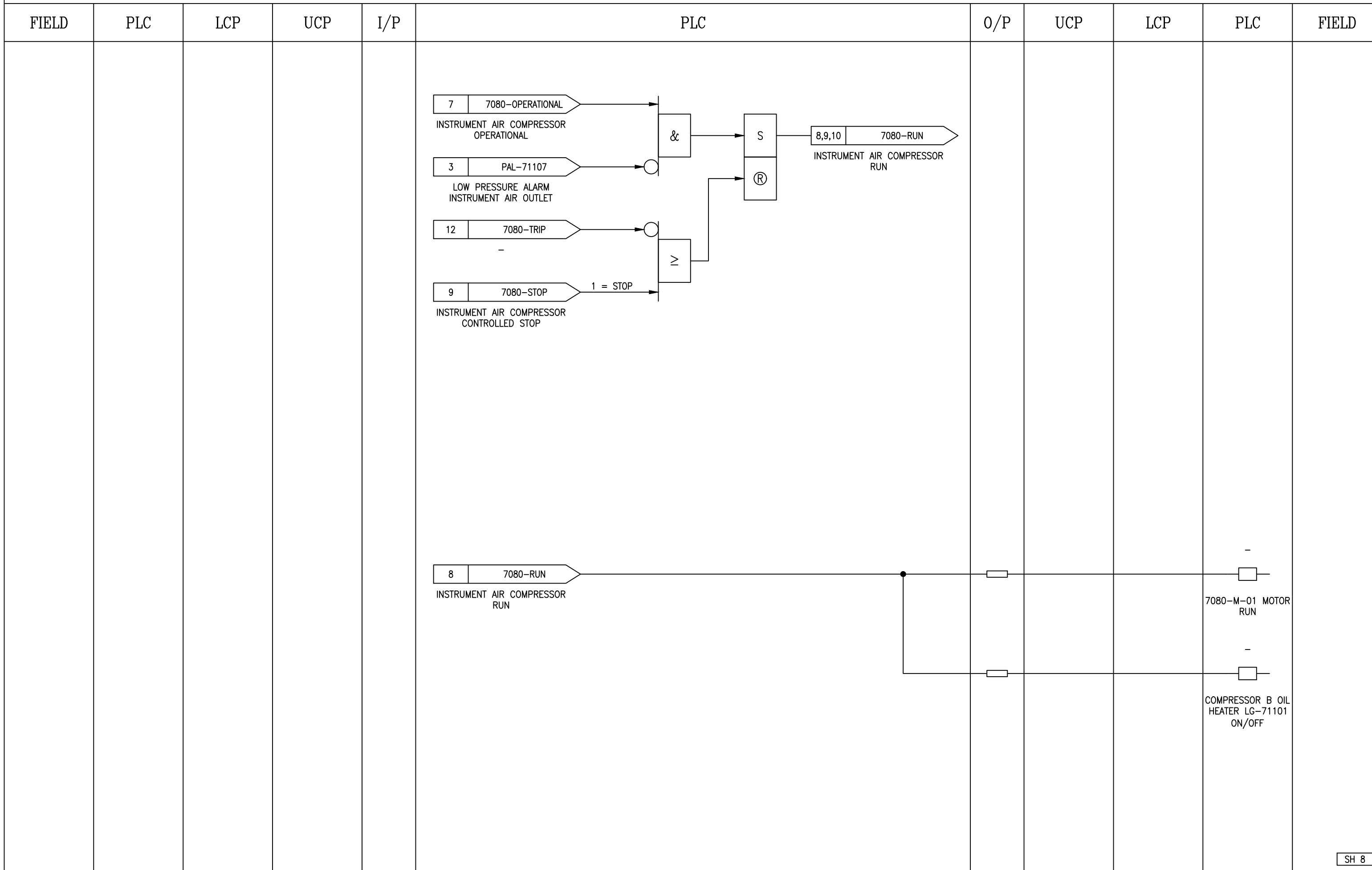


SUBJECT		BUSHEHR PETROCHEMICAL COMPANY MEG PLANT EMERGENCY INSTRUMENT AIR COMPRESSOR	
CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION	IRAN
CLIENT REF	20-C-7080	DRAWING NO.	17811-32B
AIRPACK REF	17811	SHEETNO.	07 / 14

DATE	20-11-2020
DRAWN BY	TJ
CHECKED BY	KP

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REV 04	16-05-2022	WZ
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REV 02	03-01-2022	AS
REV 01	29-11-2021	WZ
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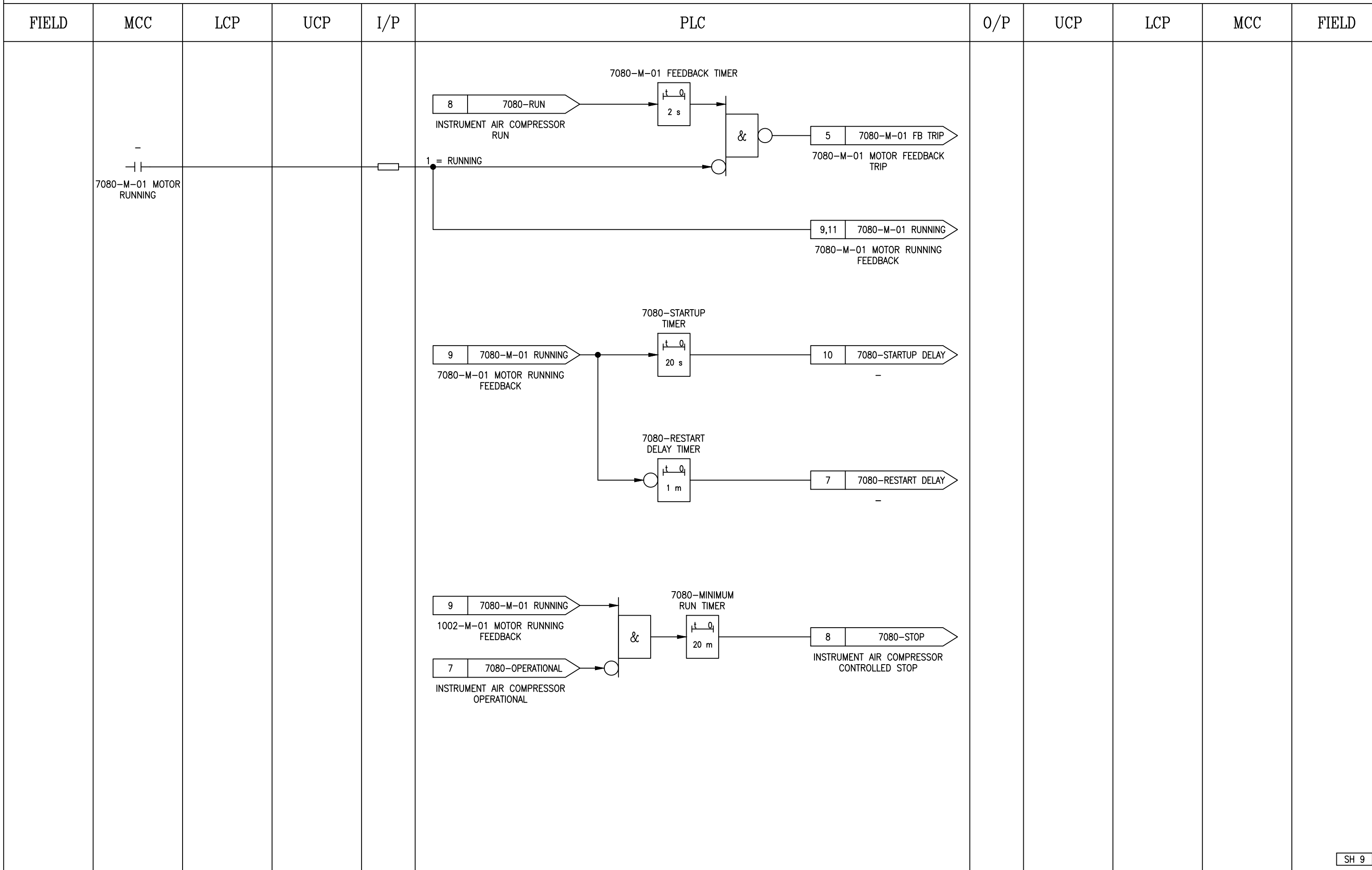
LOGIC DIAGRAM



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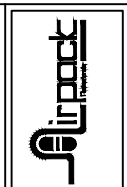
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	CLIENT REF	20-C-7080	DRAWING NO.	17811-32B																			
AIRPACK REF	17811	SHEETNO.	08 / 14																				
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REV 00	20-11-2020	TJ																					

LOGIC DIAGRAM



SH 9

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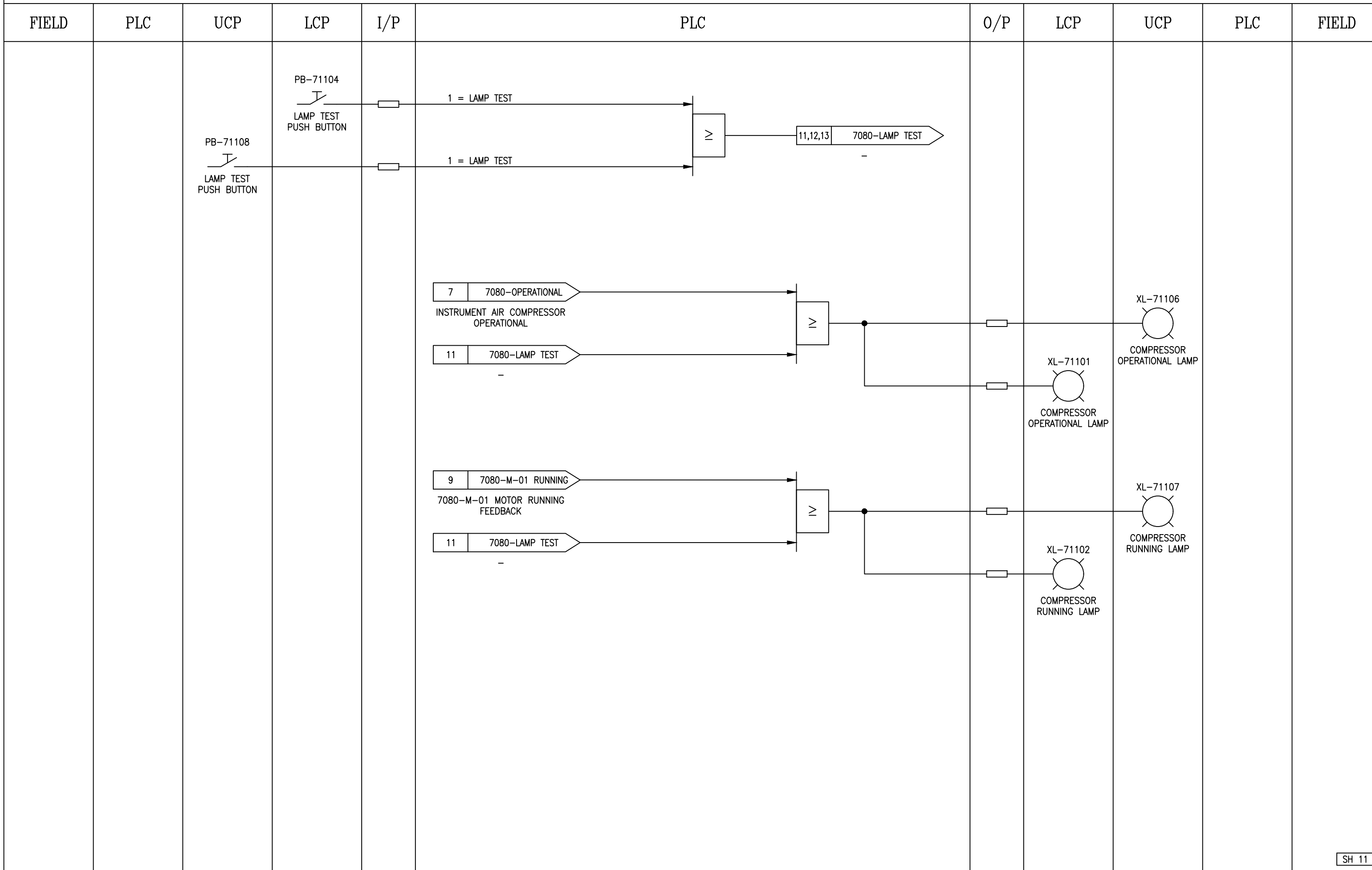


SUBJECT BUSHEHR PETROCHEMICAL COMPANY MEG PLANT EMERGENCY INSTRUMENT AIR COMPRESSOR	
CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)
CLIENT REF	20-C-7080
AIRPACK REF	17811

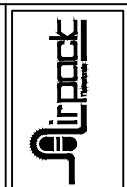
DATE	20-11-2020
DRAWN BY	TJ
CHECKED BY	KP
PLANT LOCATION	IRAN
DRAWING NO.	17811-32B
SHEETNO.	09 / 14

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REV 00	20-11-2020	TJ			

LOGIC DIAGRAM



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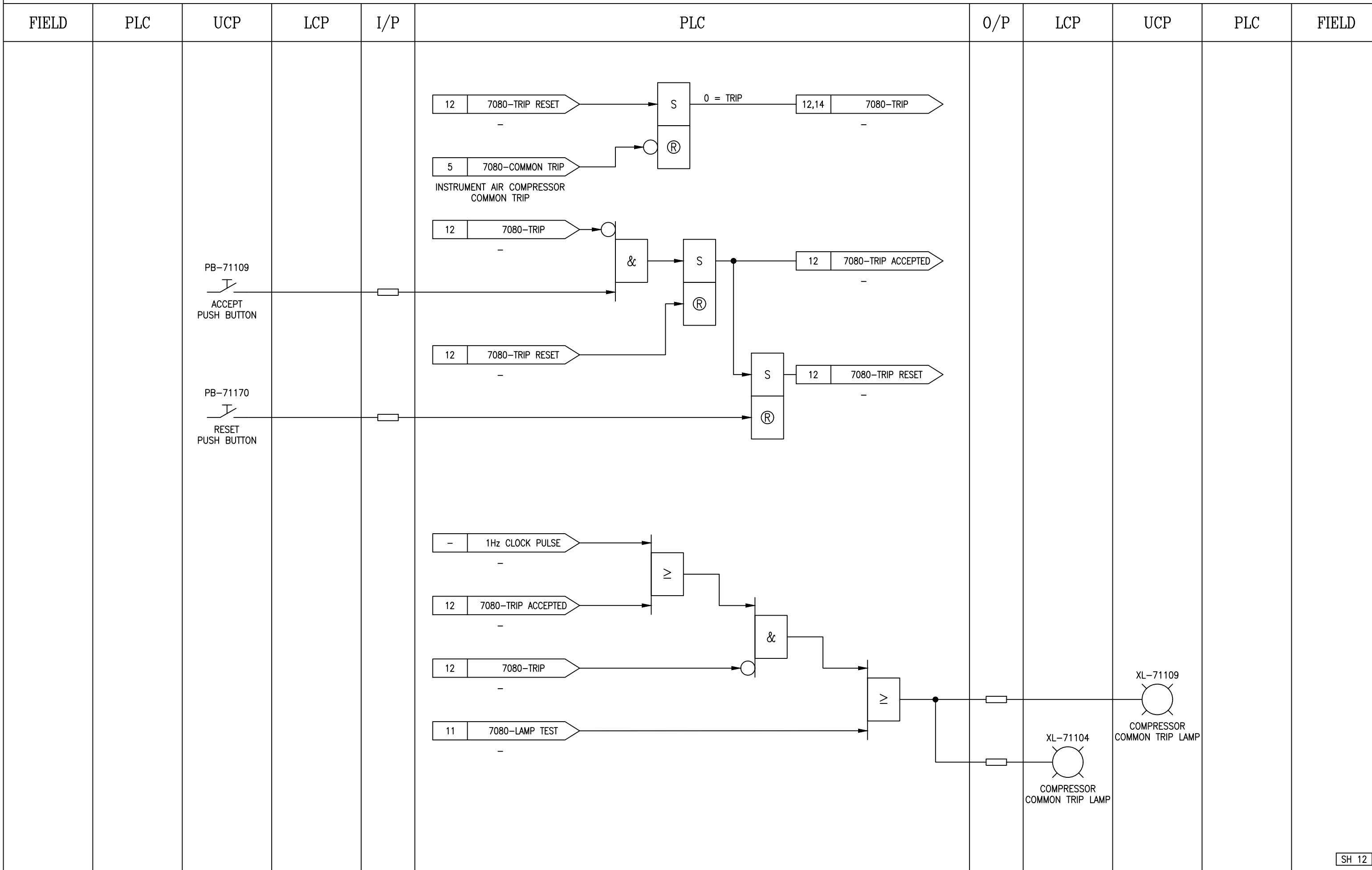


SUBJECT		BUSHEHR PETROCHEMICAL COMPANY MEG PLANT EMERGENCY INSTRUMENT AIR COMPRESSOR	
CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION	IRAN
CLIENT REF	20-C-7080	DRAWING NO.	17811-32B
AIRPACK REF	17811	SHEETNO.	11 /14

DATE	20-11-2020
DRAWN BY	TJ
CHECKED BY	KP

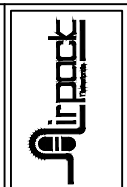
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LOGIC DIAGRAM



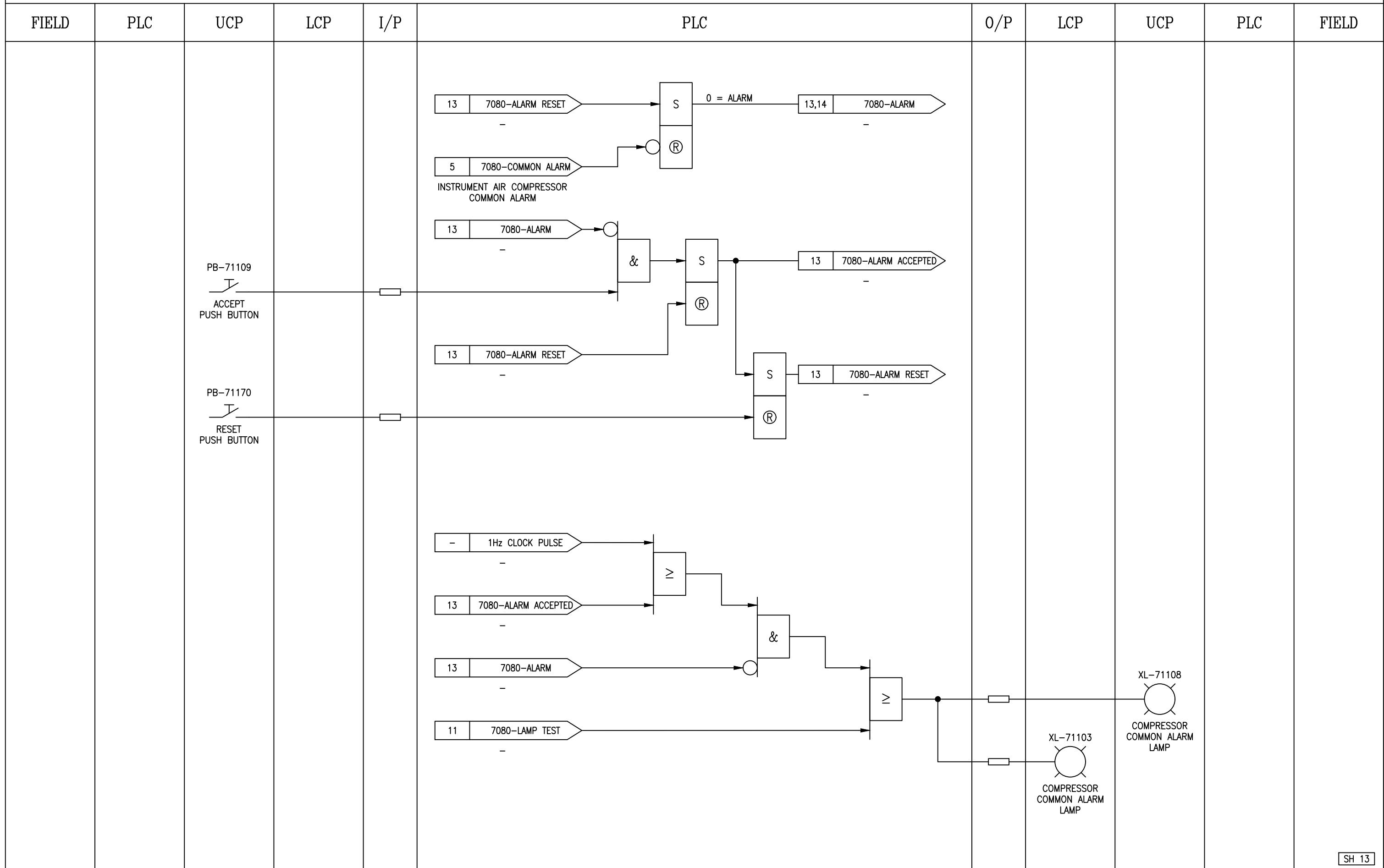
SH 12

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SUBJECT BUSHEHR PETROCHEMICAL COMPANY MEG PLANT EMERGENCY INSTRUMENT AIR COMPRESSOR		DATE 20-11-2020
CLIENT BUSHEHR PETROCHEMICAL COMPANY (BUPC)	DRAWN BY TJ	THIS DRAWING IS OWNED BY AIRPACK AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION
CLIENT REF 20-C-7080	CHECKED BY KP	
AIRPACK REF 17811	PLANT LOCATION IRAN	
	DRAWING NO. 17811-32B	
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		REV 03 18-03-2022 AS
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LOGIC DIAGRAM

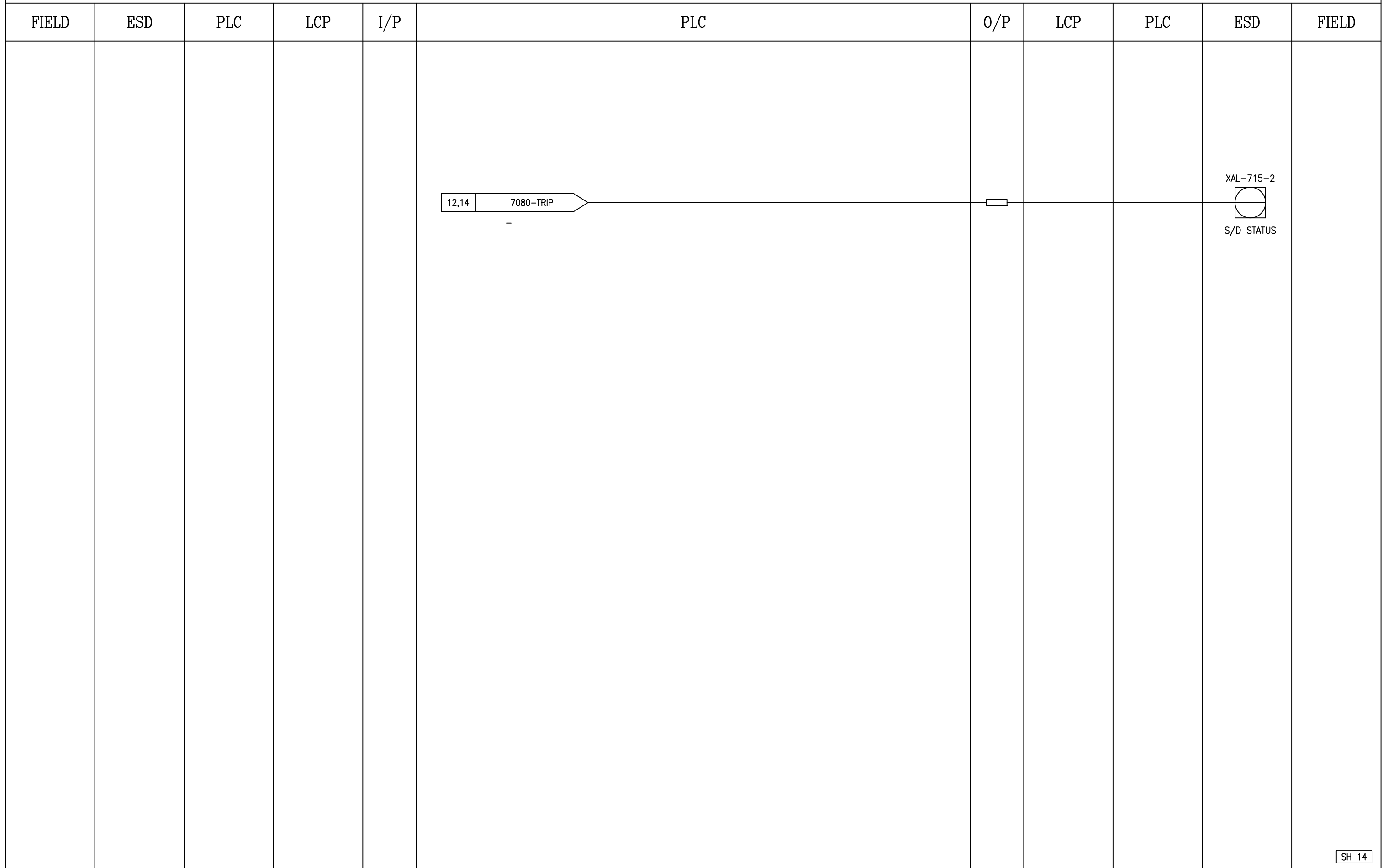


SH 13

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AIRPACK REF 17811	PLANT LOCATION IRAN	CHECKED BY KP	DRAWING NO. 17811-32B	REV 05 04-07-2022 RT
	SHEETNO. 13 /14		REV 04 16-05-2022 WZ	REV 03 18-03-2022 AS
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LOGIC DIAGRAM



SH 14

NOTES:



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CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION	IRAN
CLIENT REF	20-C-7080	DRAWING NO.	17811-32B
AIRPACK REF	17811	SHEETNO.	14 /14

DATE	20-11-2020
DRAWN BY	TJ
CHECKED BY	KP

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