







OWNER:  شرکت سست و سویی توپو ایرانیان (سهایی ناس)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT							EPC CONTRACTOR:  Chagalesh-Enerchimi-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 توپو ایرانیان (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
								02	1 of 15

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

 شرکت سست و سویی توپو ایرانیان	 Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
Document Review		
Issue Purpose:	AFC	
Result Code: AP,AN,CM,RE,NC	AN	
Next Status : IFC,IFA,IFI,AFC,AB	AFC	
Responsible Department	MECHANICAL	
Commented Date	4/10/2022	
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.		

Rev. 02 is correct		Approved for Construction	AS	KP	JR	
02	06/01/2022	Approved for Construction	AS	KP	JR	
01	30/11/2021	Approved for Construction	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

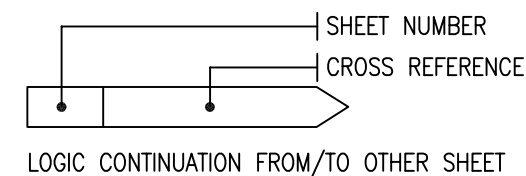
SYMBOL	DESCRIPTION
	EMERGENCY PUSHBUTTON, RED HEAD, STAY PUT.
	TOGGLE SWITCH
	PUSHBUTTON MOMENTARILY MAKE
	PUSHBUTTON MOMENTARILY BREAK
	CONTACT NORMALLY OPEN
	CONTACT NORMALLY CLOSED
	HARDWIRED INPUT/OUTPUT
	SOLENOID VALVE, 3-WAY
	DISTRIBUTED CONTROL SYSTEM
	PLC CONTROL SYSTEM
	DCS AUXILIARY CONSOLE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

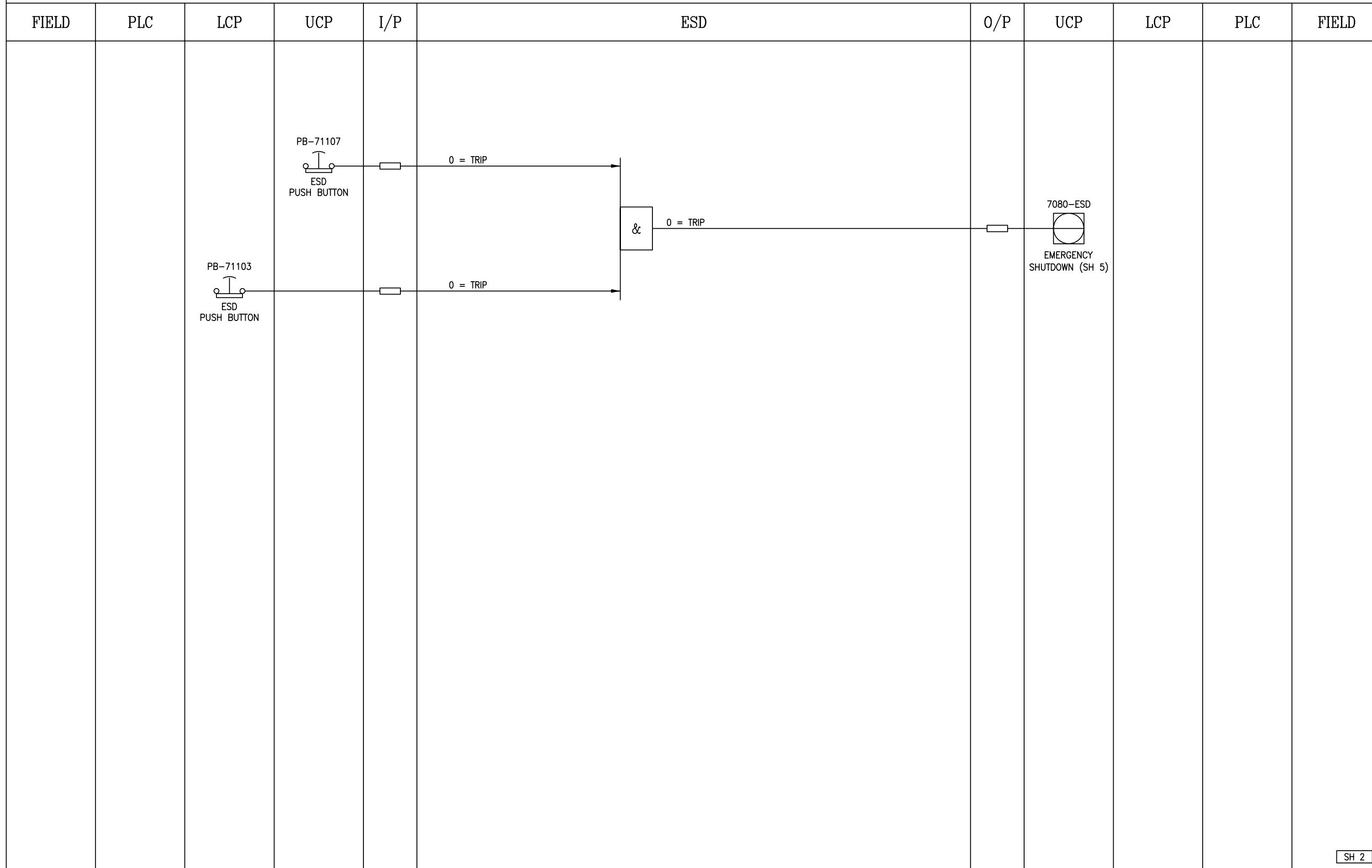


SH 1




SUBJECT BUSHEHR PETROCHEMICAL COMPANY MEG PLANT EMERGENCY INSTRUMENT AIR COMPRESSOR		DATE 20-11-2020	THIS DRAWING IS OWNED BY AIRPACK AND SHALL NOT BE PRINTED OR COPIED IN ANY OTHER WAY THAN WITH AIRPACKS PERMISSION			
DRAWN BY TJ		CHECKED BY KP				
CLIENT BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION IRAN	DRAWING NO. 17811-32B		REV03	18-03-2022	AS
CLIENT REF 20-C-7080				REV02	03-01-2022	AS
AIRPACK REF 17811	SHEETNO. 01 /13			REV 01	29-11-2021	WZ
				REV 00	20-11-2020	TJ

LOGIC DIAGRAM

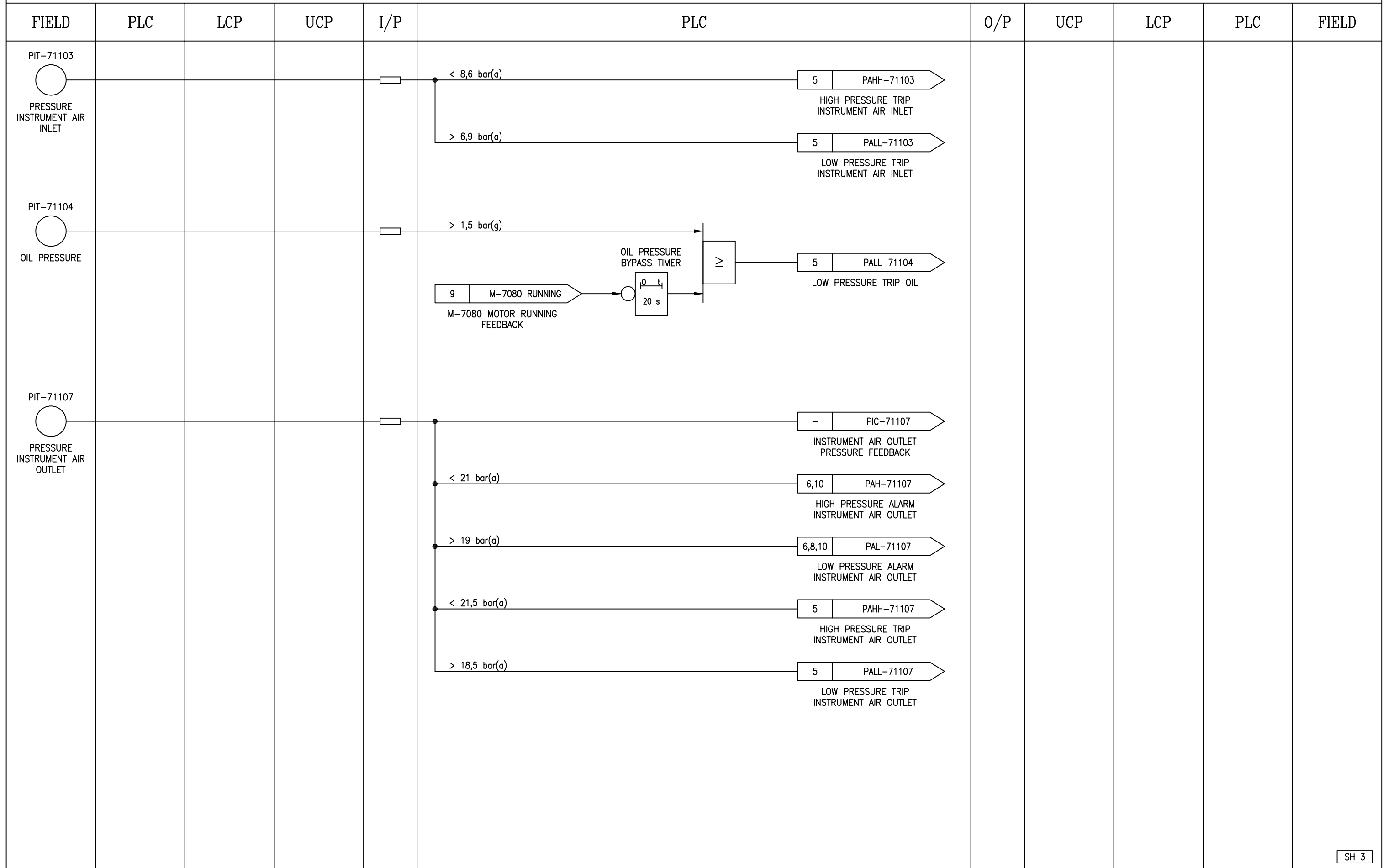


SH 2

NOTES:


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	CLIENT REF 20-C-7080	DRAWING NO. 17811-32B	CHECKED BY KP	
	AIRPACK REF 17811	SHEETNO. 02 / 13		
				REV03 18-03-2022 AS
				REV02 03-01-2022 AS
				REV01 29-11-2021 WZ
				REV00 20-11-2020 TJ

LOGIC DIAGRAM

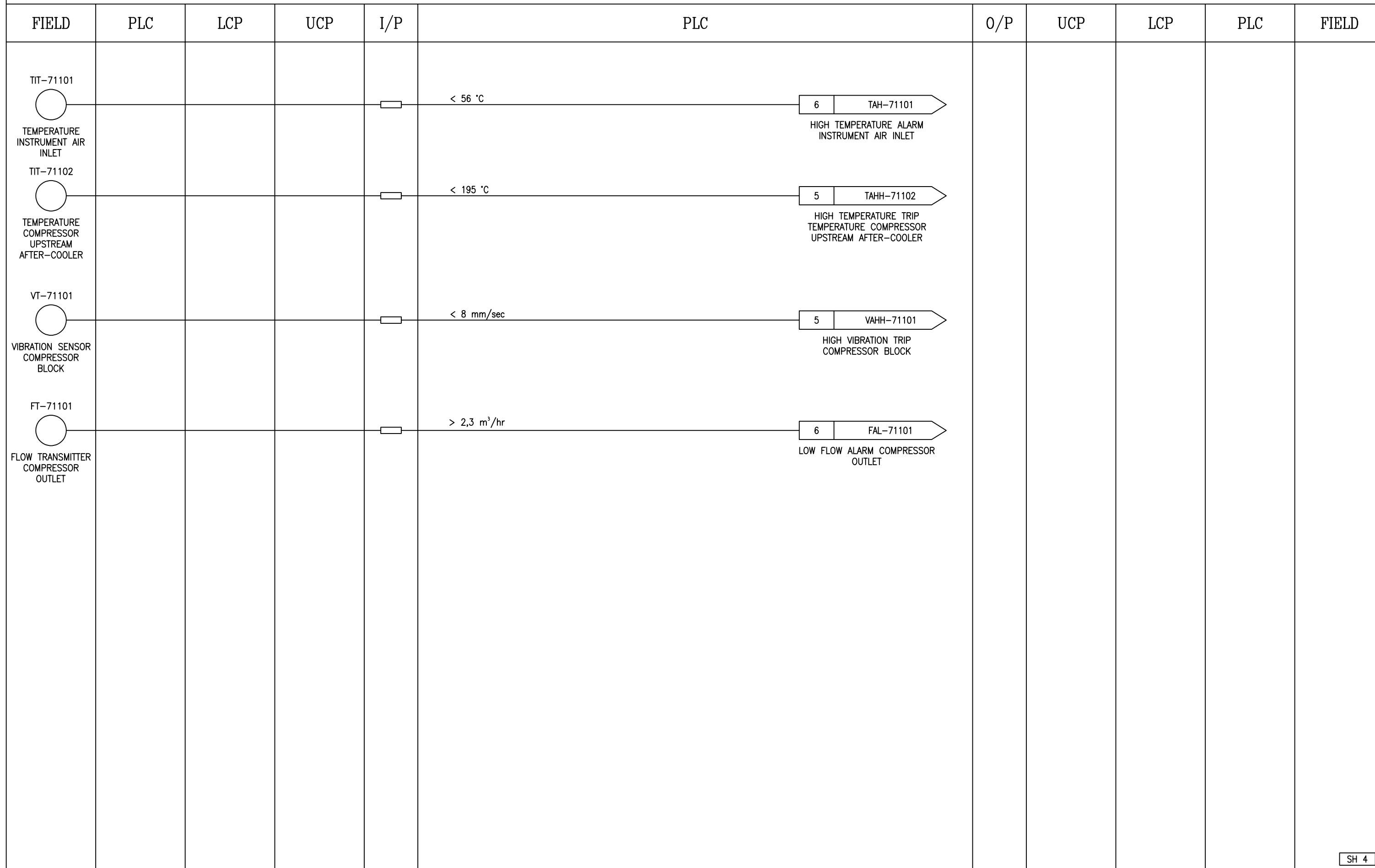


SH 3

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CLIENT REF 20-C-7080	DRAWING NO. 17811-32B	CHECKED BY KP	REV02 03-01-2022 AS			
AIRPACK REF 17811	SHEETNO. 03 /13		REV01 29-11-2021 WZ			
			REV00 20-11-2020 TJ			

LOGIC DIAGRAM

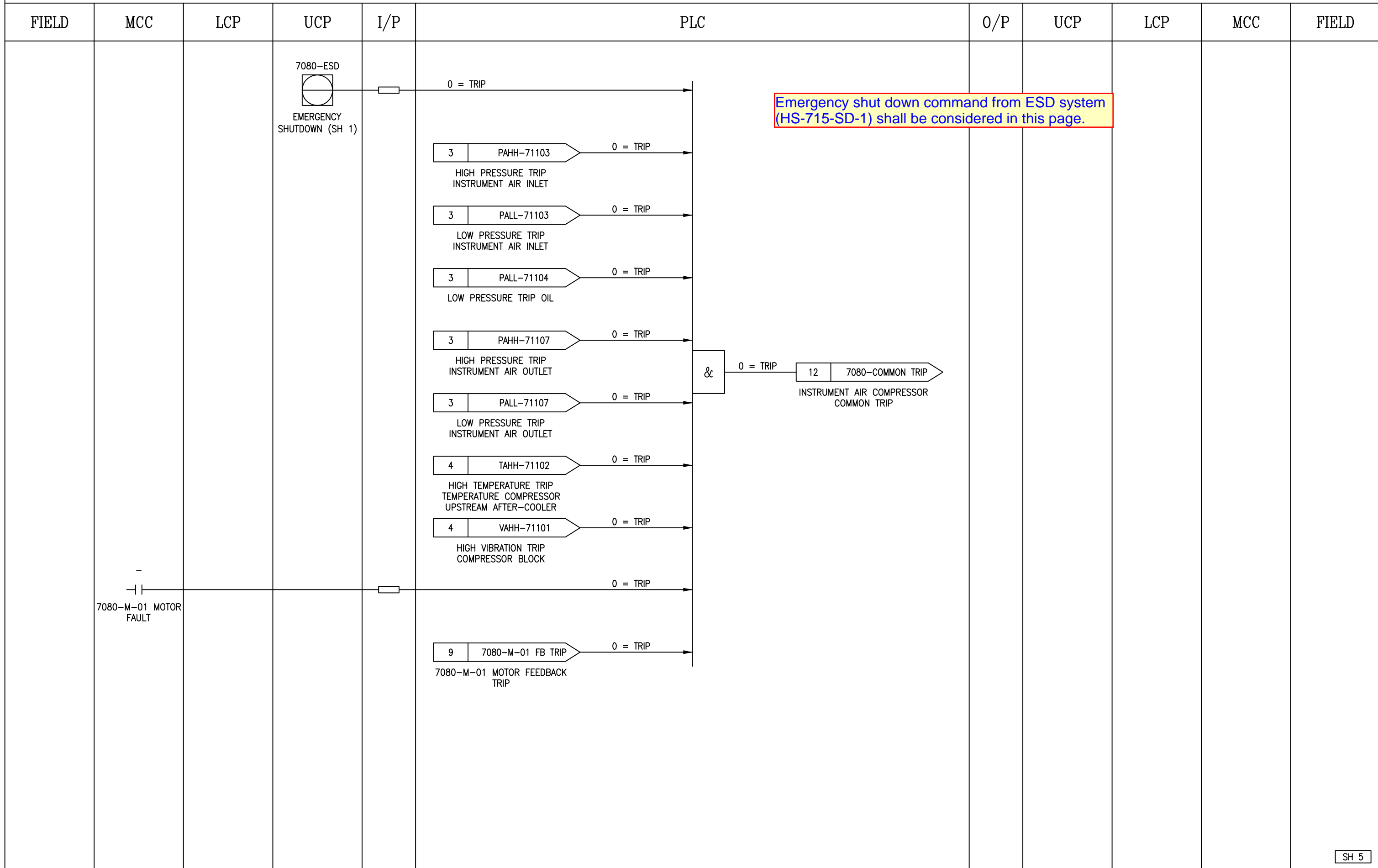


SH 4


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			DRAWN BY	TJ		
			CHECKED BY	KP		
	CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION	IRAN		
CLIENT REF	20-C-7080	DRAWING NO.	17811-32B	REV03	18-03-2022	AS
AIRPACK REF	17811	SHEETNO.	04 /13	REV02	03-01-2022	AS
				REV01	29-11-2021	WZ
				REV00	20-11-2020	TJ

LOGIC DIAGRAM

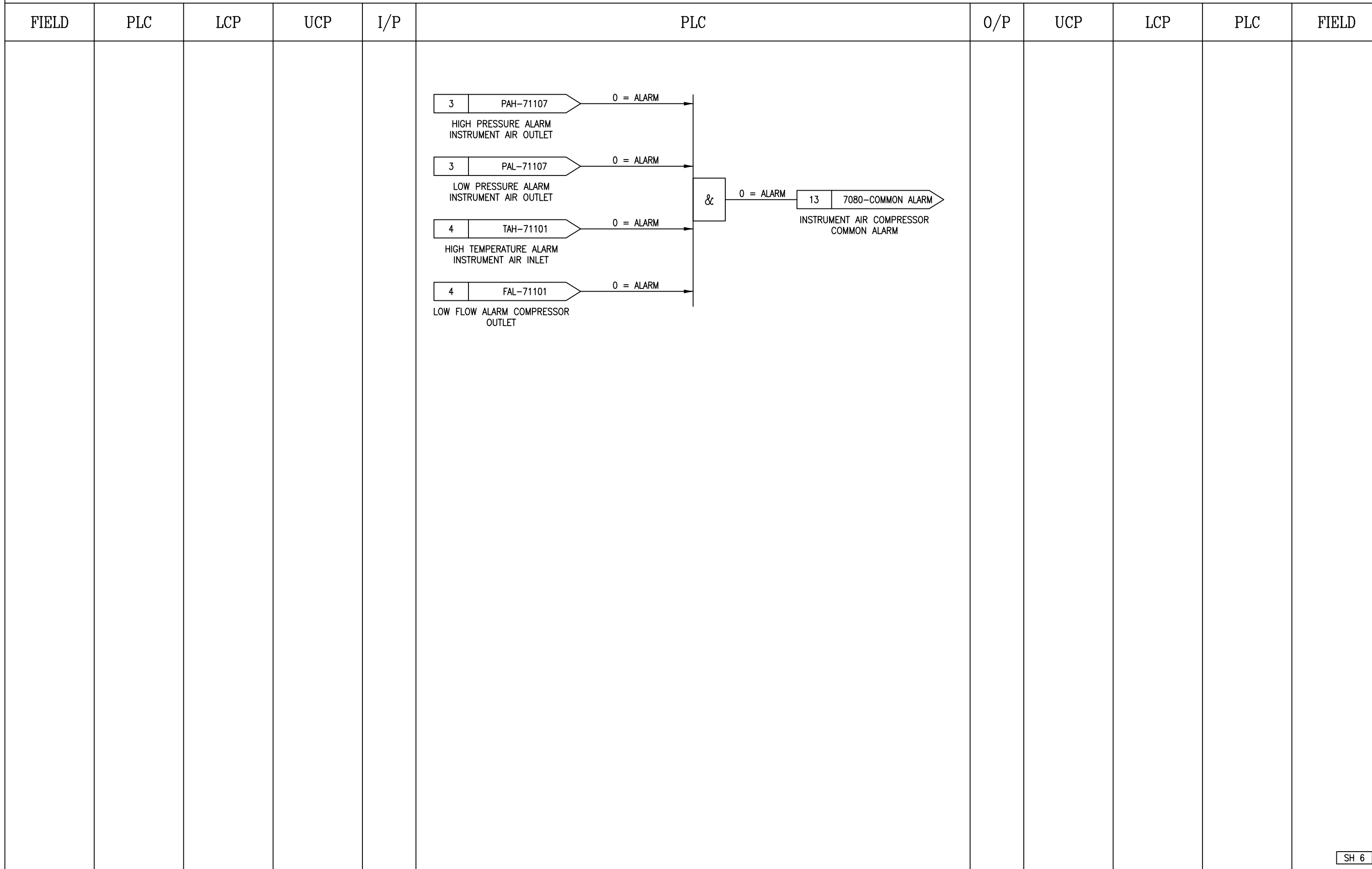


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	CLIENT REF 20-C-7080	DRAWING NO. 17811-32B	CHECKED BY KP	
	AIRPACK REF 17811	SHEETNO. 05 /13		

REV03	18-03-2022	AS
REV02	03-01-2022	AS
REV01	29-11-2021	WZ
REV00	20-11-2020	TJ

LOGIC DIAGRAM

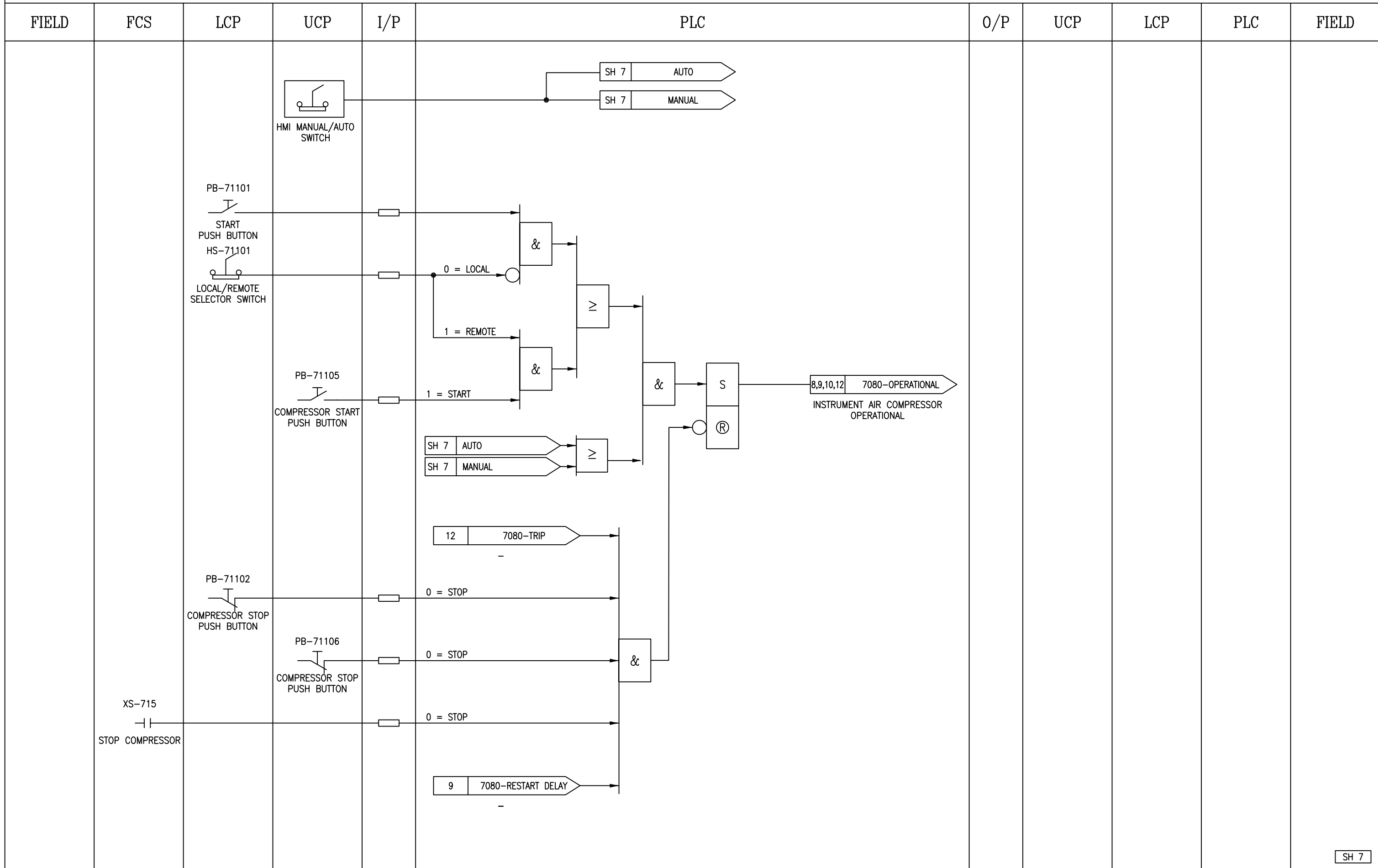


SH 6

NOTES:

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			CHECKED BY	KP		
	CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION	IRAN		
CLIENT REF	20-C-7080	DRAWING NO.	17811-32B	REV03	18-03-2022	AS
AIRPACK REF	17811	SHEETNO.	06 /13	REV02	03-01-2022	AS
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				REV00	20-11-2020	TJ

LOGIC DIAGRAM

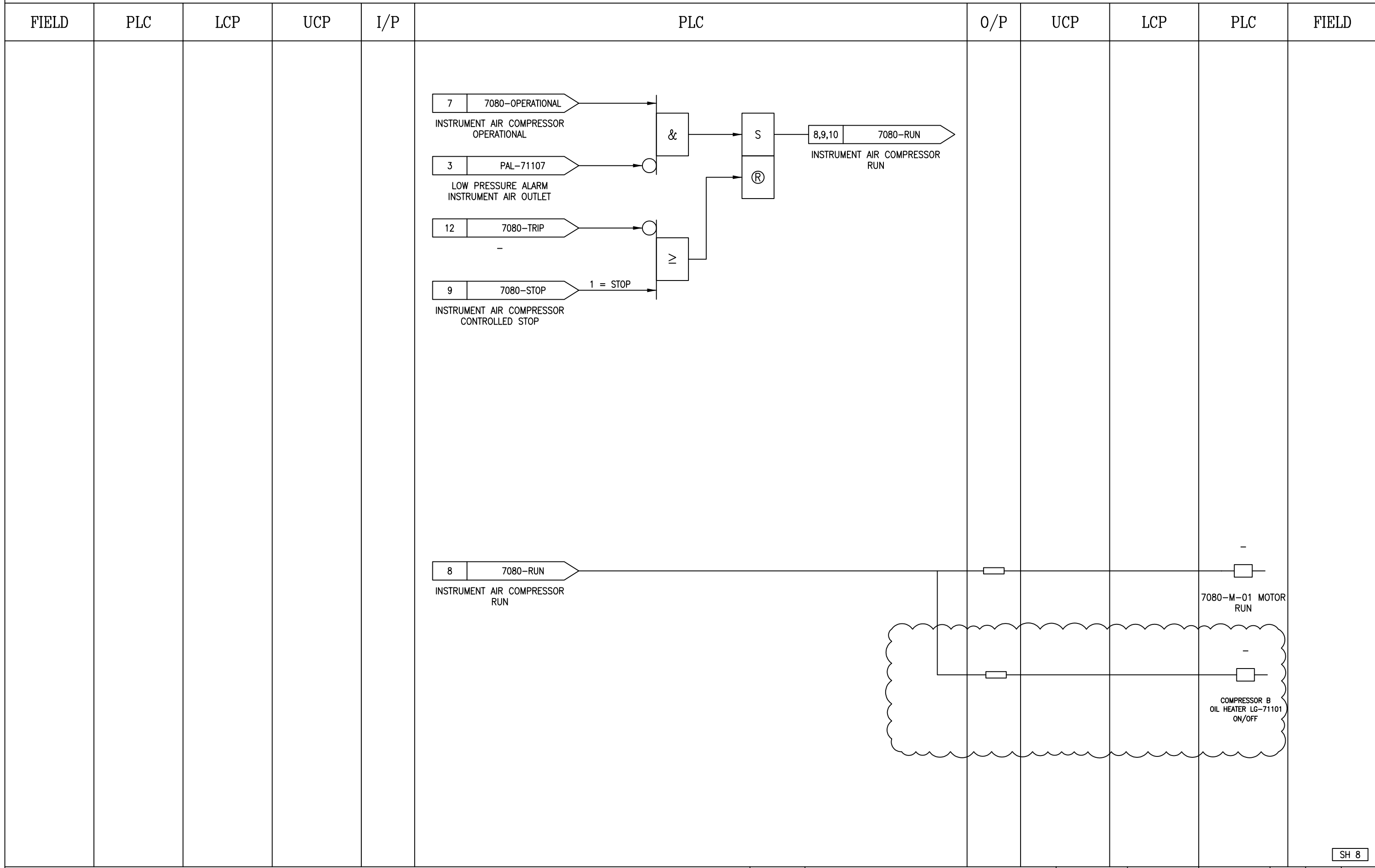


SH 7

NOTES:

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CLIENT REF 20-C-7080	DRAWING NO. 17811-32B	CHECKED BY KP	REV03 18-03-2022 AS	
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			REV00 20-11-2020 TJ	

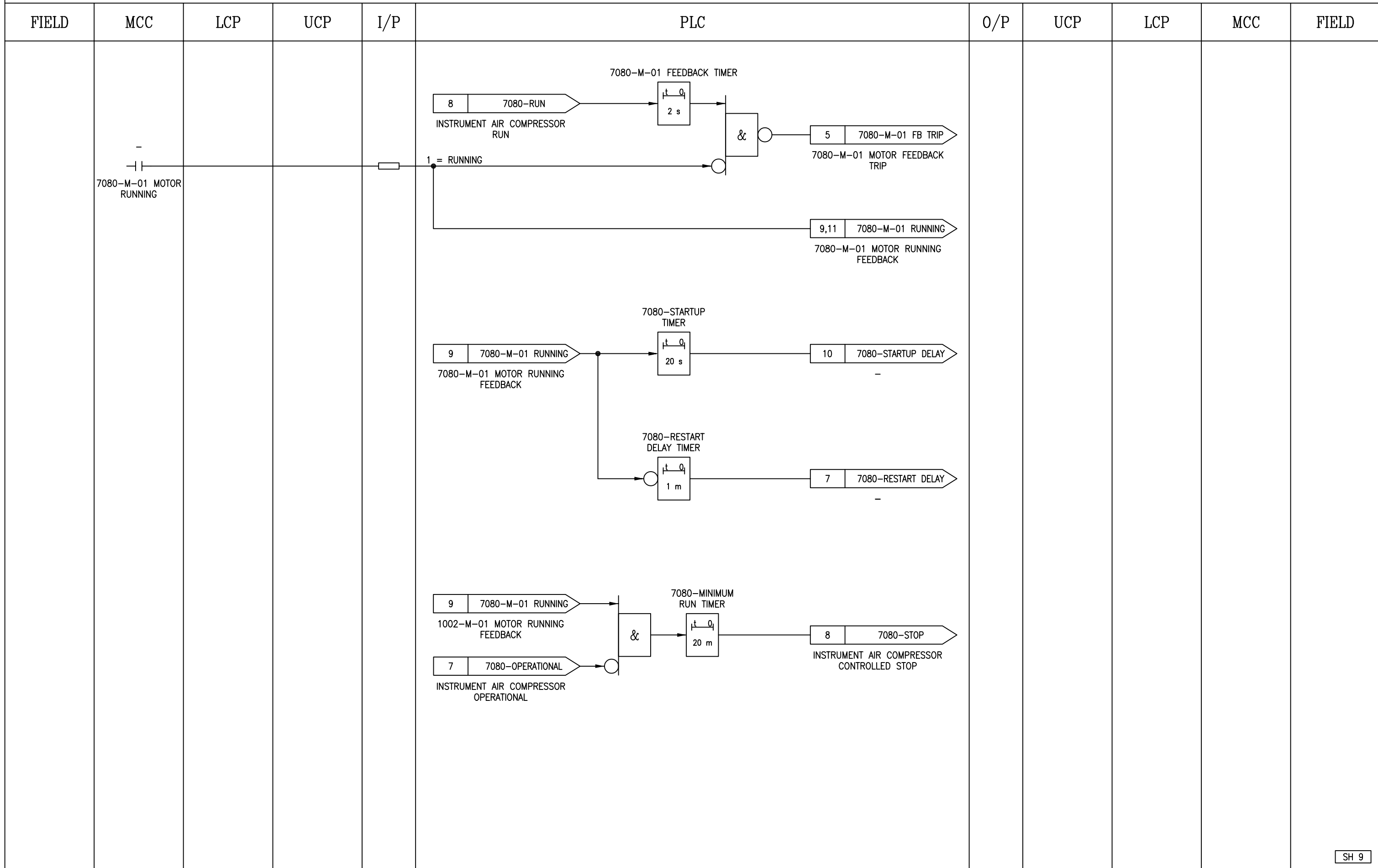
LOGIC DIAGRAM



NOTES:

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			DRAWN BY	TJ			
	CLIENT	BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION	IRAN	REV03	18-03-2022	AS
	CLIENT REF	20-C-7080	DRAWING NO.	17811-32B	REV02	03-01-2022	AS
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LOGIC DIAGRAM

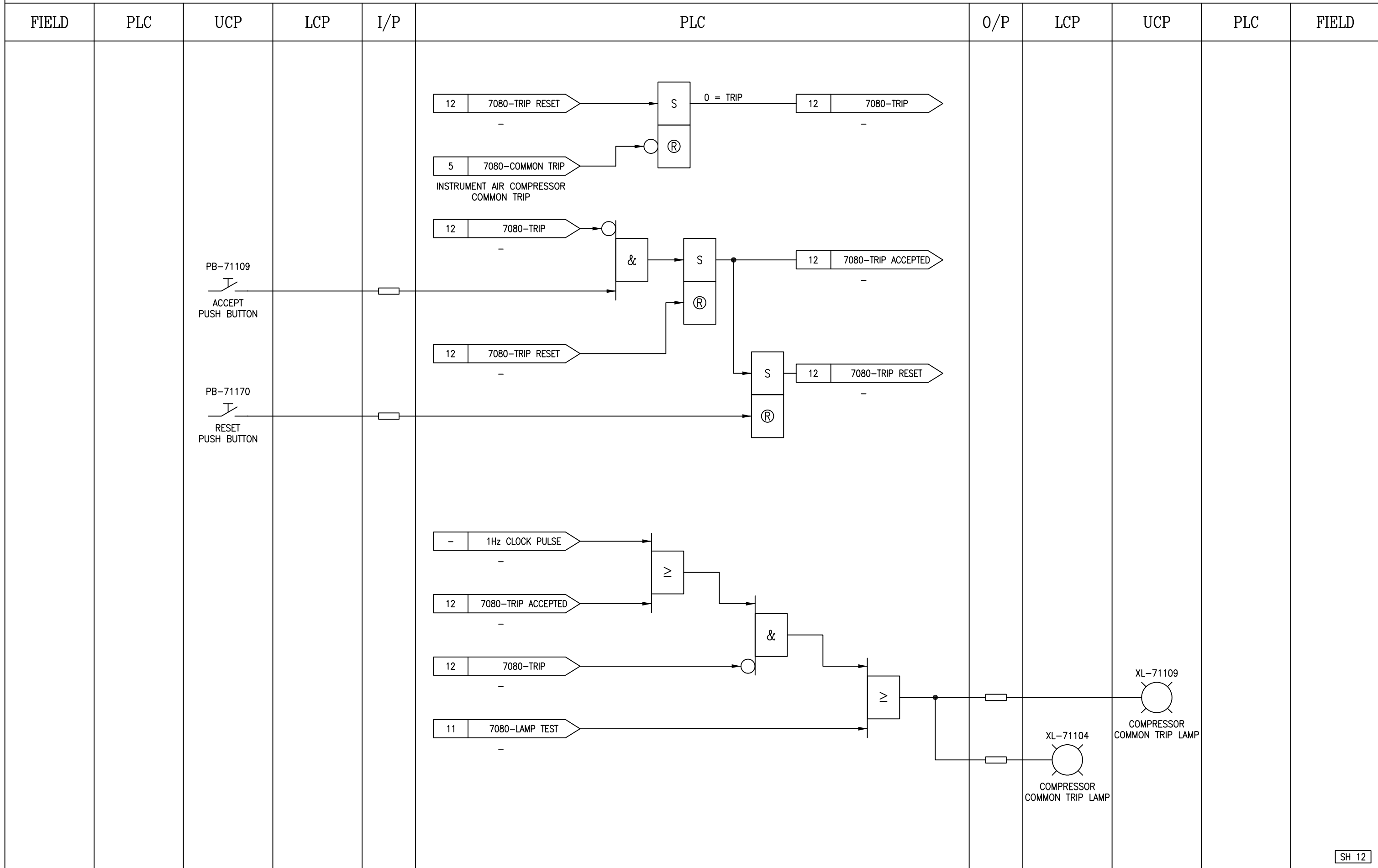


SH 9

NOTES:

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	CLIENT REF 20-C-7080	DRAWING NO. 17811-32B	CHECKED BY KP													
	AIRPACK REF 17811	SHEETNO. 09 /13														
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REV03	18-03-2022	AS														
REV02	03-01-2022	AS														
REV01	29-11-2021	WZ														
REV00	20-11-2020	TJ														

LOGIC DIAGRAM

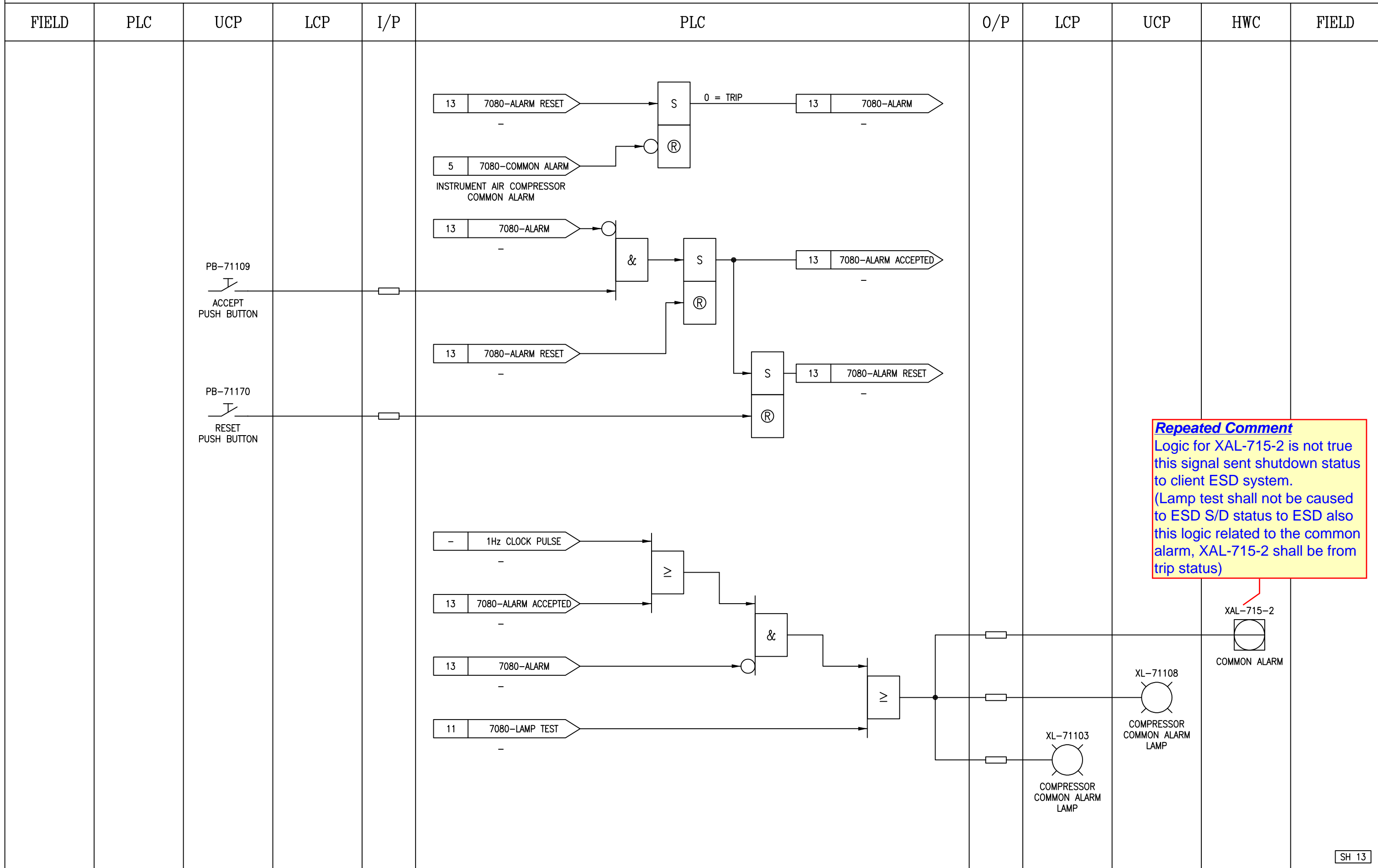


SH 12

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	CLIENT BUSHEHR PETROCHEMICAL COMPANY (BUPC)	PLANT LOCATION IRAN	DRAWN BY TJ													
	CLIENT REF 20-C-7080	DRAWING NO. 17811-32B	CHECKED BY KP													
	AIRPACK REF 17811	SHEETNO. 12 / 13														
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REV03	18-03-2022	AS														
REV02	03-01-2022	AS														
REV01	29-11-2021	WZ														
REV00	20-11-2020	TJ														

LOGIC DIAGRAM



Repeated Comment
 Logic for XAL-715-2 is not true this signal sent shutdown status to client ESD system.
 (Lamp test shall not be caused to ESD S/D status to ESD also this logic related to the common alarm, XAL-715-2 shall be from trip status)

NOTES:

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	CLIENT REF	20-C-7080	PLANT LOCATION	IRAN	REV02	03-01-2022	AS
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			SHEETNO.	13 /13	REV00	20-11-2020	TJ