










OWNER:  شرکت سست و سویی گستره ایرانیان (سهامی خاص)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerechimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	P&ID FOR NITROGEN GAS BOOSTER								
MC :  شرکت سست و سویی گستره ایرانیان (سهامی خاص)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-03A	BU	20	VD	303	PR	DWG	0013	Rev.:	Page
								05	1 of 4

P&ID FOR GAS BOOSTER

 شرکت سست و سویی گستره ایرانیان توسعه ایرانیان	 Chagalesh-Enerechimi-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	May/14/2022	
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.		

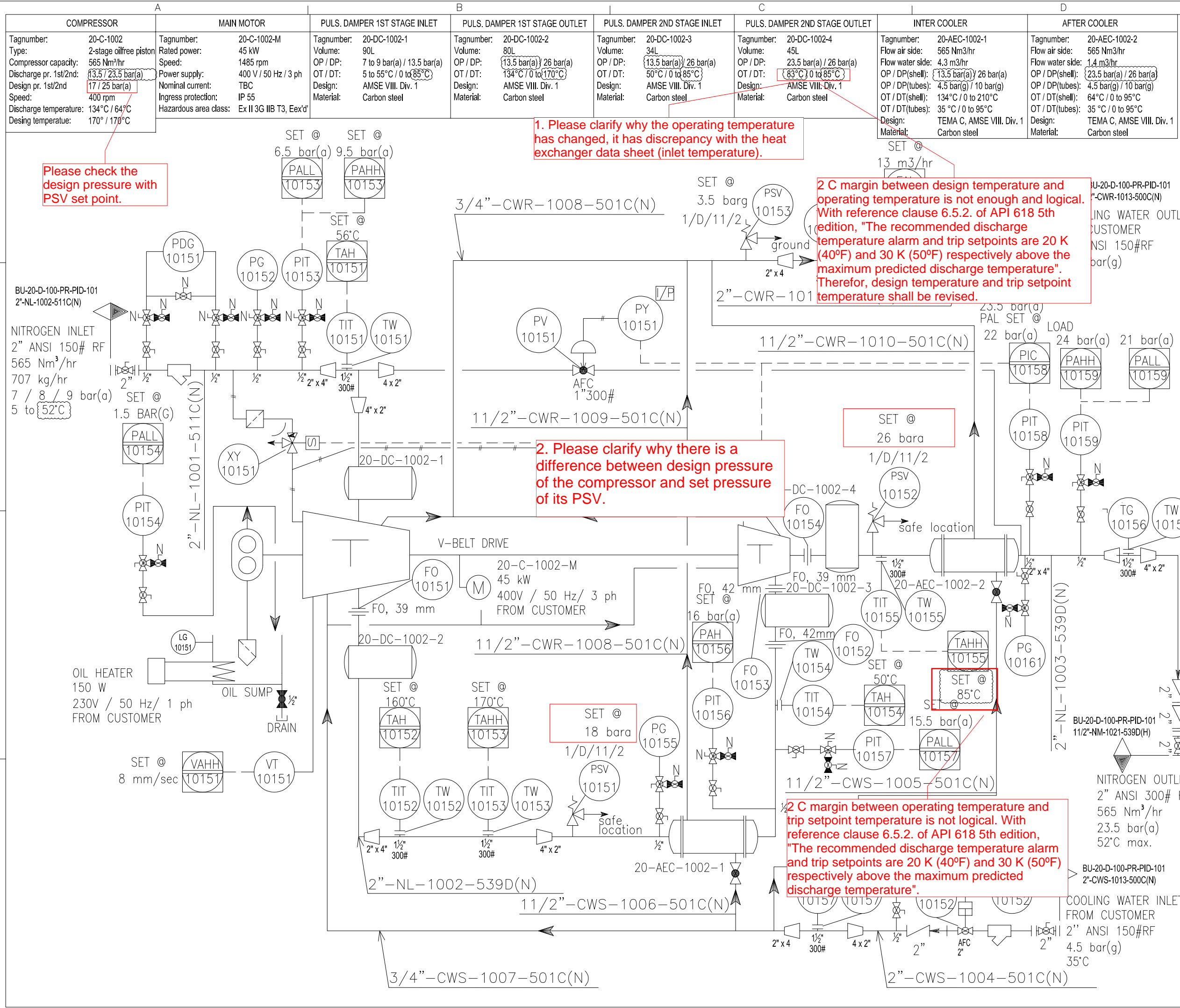
05	05/05/2022	Approved for Construction	KP	JR	PW	
03	10/03/2022	Approved for Construction	KP	JR	PW	
02	23/02/2022	Approved for Construction	KP	JR	PW	
01	04/11/2021	For approval	KP	JR	PW	
00	09/09/2021	For approval	KP	JR	PW	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
Class: 1						Phase: p

OWNER:  شرکت ست و هوئی آوند ایرانین (سهایی ناسی)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR: 		
	P&ID FOR NITROGEN GAS BOOSTER								
MC :  شرکت ست و هوئی آوند ایرانین (سهایی ناسی)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-03A	BU	20	VD	303	PR	DWG	0013	Rev.:	Page
								05	2 of 4

TABULATION OF REVISED PAGES

Page	D00	D01	D02	D03	D04
1.	X	X	X	X	X
2.	X	X	X	X	X
3.	X	X	X	X	X
4.	X	X	X	X	X
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					
21.					
22.					
23.					
24.					
25.					
26.					
27.					
28.					
29.					
30.					
31.					
32.					
33.					
34.					

Page	D00	D01	D02	D03	D04
35.					
36.					
37.					
38.					
39.					
40.					
41.					
42.					
43.					
44.					
45.					
46.					
47.					
48.					
49.					
50.					
51.					
52.					
53.					
54.					
55.					
56.					
57.					
58.					
59.					
60.					
61.					
62.					
63.					
64.					
65.					
66.					
67.					
68.					



GENERAL NOTES	
NOTES :	
1.	All signals mentioned in P&ID will be transferred to FCS via Modbus TCP/IP communication link
2.	CW valve will open on compressor start and close on compressor stop
HOLDS:	
1.	Deleted
2.	Deleted
Tie-In-Point :	
TP-1:	Nitrogen Compressor inlet
TP-2:	Nitrogen Compressor outlet
TP-3:	Main cooling water supply
TP-4:	Main cooling water return

REFERENCE DRAWINGS	DWG.No.
xxxxxxx	xxxxxxx

Please check the design pressure with PSV set point.

1. Please clarify why the operating temperature has changed, it has discrepancy with the heat exchanger data sheet (inlet temperature).

2 C margin between design temperature and operating temperature is not enough and logical. With reference clause 6.5.2. of API 618 5th edition, "The recommended discharge temperature alarm and trip setpoints are 20 K (40°F) and 30 K (50°F) respectively above the maximum predicted discharge temperature". Therefore, design temperature and trip setpoint temperature shall be revised.

2. Please clarify why there is a difference between design pressure of the compressor and set pressure of its PSV.

2 C margin between operating temperature and trip setpoint temperature is not logical. With reference clause 6.5.2. of API 618 5th edition, "The recommended discharge temperature alarm and trip setpoints are 20 K (40°F) and 30 K (50°F) respectively above the maximum predicted discharge temperature".

REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.	AC.
05	05/05/22	For construction	KP	CS	KP	JL
03	09/03/22	For construction	KP	CS	KP	JL
02	03/11/21	For approval	KP	CS	KP	JL
01	09/09/21	For approval	KP	CS	KP	JL

OWNER:

CONTRACTOR:

PROJECT: BUSHEHR PETROCHEMICAL COMPANY MEG PLANT

DRAWING TITLE: 17811-03 P&ID FOR NITROGEN GAS BOOSTER

CONTRACT NO.	SCALE	SIZE	CLASS	PHASE
S2-98/445	XX	A0	1	P

DOCUMENT NO.	PROJECT	AREA	PHASE	MRQ No.	DIS.	DOC.	SEQ.	SHEET	REV. NO.
	BU	20	VD	303	PR	DWG	0013	1 OF 2	05

