










OWNER:  شرکت سست و سویی گیس ایرانیان (سهامی خاص)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT							EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	
	UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS BOOSTER INCL. BOM							 Netherlands	
MC :  شرکت سست و سویی گیس ایرانیان (سهامی خاص)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-07A	BU	20	VD	303	IN	DWG	0039	Rev.:	Page
								02	1 of 8

UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS BOOSTER INCL. BOM

 شرکت سست و سویی گیس ایرانیان (سهامی خاص)	 Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT
Document Review		
Issue Purpose:	IFA	
Result Code: AP,AN,CM,RE,NC	CM	
Next Status : IFC,IFA,IFI,AFC,AB	IFA	
Responsible Department	MECHANICAL	
Commented Date	JAN/15/2022	
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.		

02	14/12/2021	For approval	HT	RB	KP	
01	19/10/2021	For approval	HT	RB	KP	
00	24/11/2020	For approval	HT	RB	KP	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
					Class: 1	Phase: P

OWNER:  شرکت مست و سوی توسعه ایران (سهامی خاص)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR: 		
	UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS BOOSTER INCL. BOM								
MC :  شرکت مست و سوی توسعه ایران (سهامی خاص)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No : 52-98/445	
Owner Document Number: 17811-07A	BU	20	VD	303	IN	DWG	0039	Rev.:	Page
								02	2 of 8

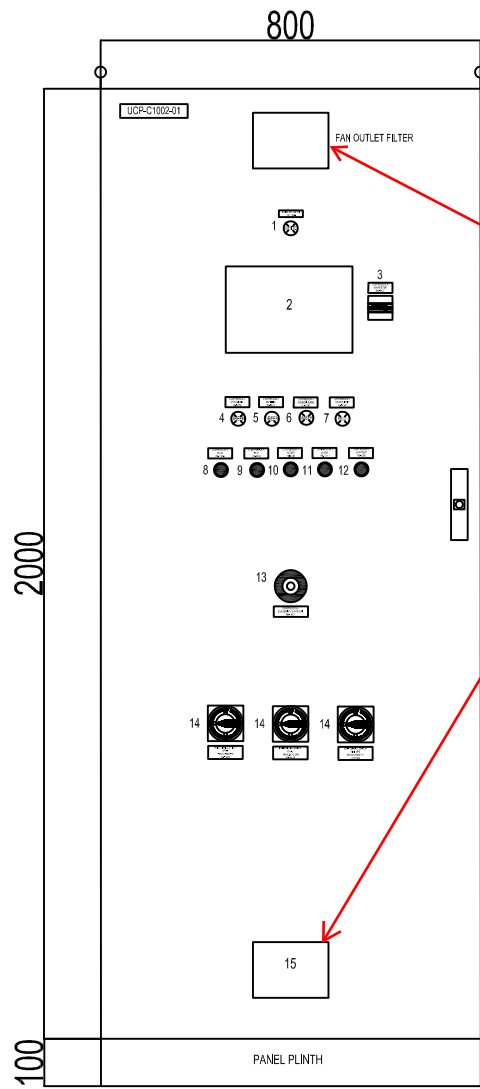
TABULATION OF REVISED PAGES

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

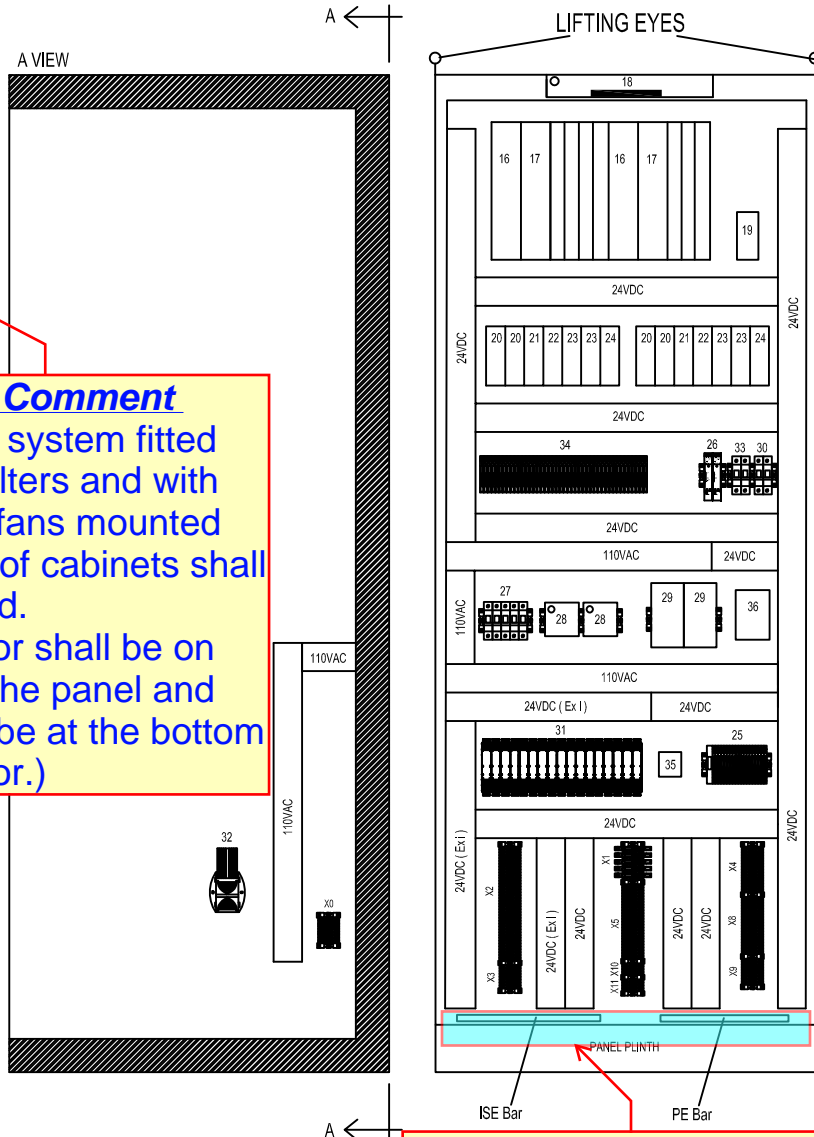
Page	D00	D01	D02	D03	D04
35.					
36.					
37.					
38.					
39.					
40.					
41.					
42.					
43.					
44.					
45.					
46.					
47.					
48.					
49.					
50.					
51.					
52.					
53.					
54.					
55.					
56.					
57.					
58.					
59.					
60.					
61.					
62.					
63.					
64.					
65.		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

UCP-C1002-01

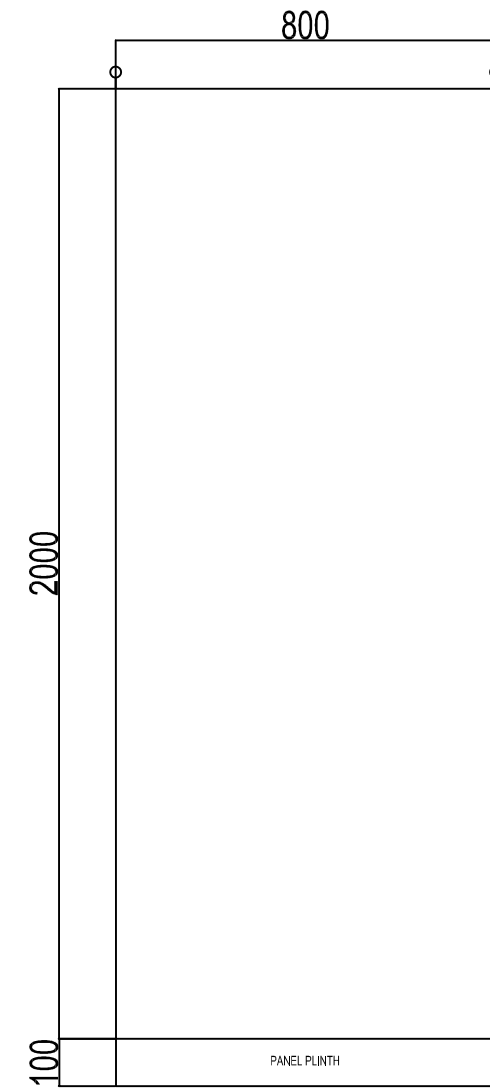
FRONT SIDE (OUTSIDE) VIEW



FRONT SIDE (INSIDE) VIEW



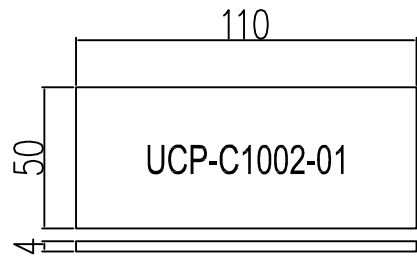
SIDE (OUTSIDE) VIEW



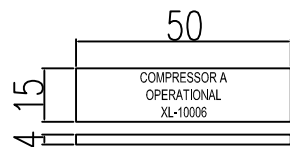
Repeated Comment
 Ventilation system fitted with dust filters and with extraction fans mounted on the top of cabinets shall be provided.
 (Fans motor shall be on the top of the panel and filter must be at the bottom of front door.)

Repeated Comment
 PE is protective earth for panel earthing, for IS and NIS signals separate earth bar shall be considered.

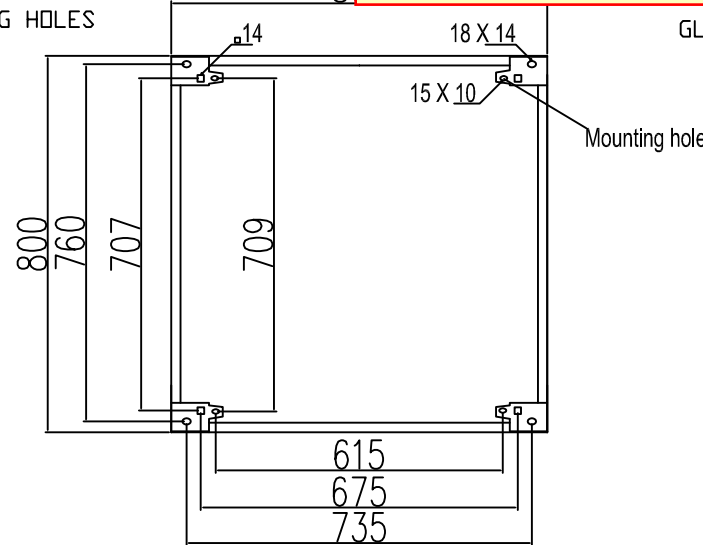
Nameplate for UCP panel



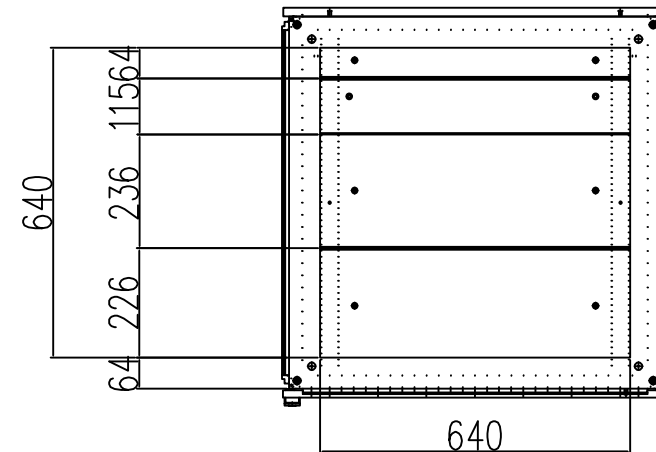
Nameplate for components on panel door
 (Typical)



PLINTH FIXING HOLES



GLAND PLATE MOUNTING DETAILS



GENERAL NOTES

1. Panel material: Painted sheet steel (RAL7035)
2. Ingress protection: IP-42
3. Panel dimensions: 2100x800x800 mm
4. Area classification: Safe area
5. Drawing pocket will be included: (A3 format)

REFERENCE DRAWINGS	DWG.No.
xxxxxxx	xxxxxxx

REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.	AC.
02	14/12/21	For approval	HT	RB	RB	-
01	18/10/21	For approval	HT	RB	RB	-
00	24/11/20	For approval	HT	RB	RB	-

OWNER:	MC:	CONTRACTOR:

PROJECT: BUSHEHR PETROCHEMICAL COMPANY
 MEG PLANT

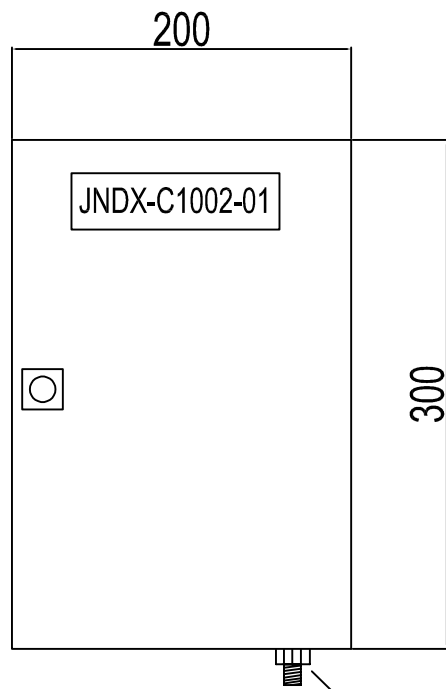
DRAWING TITLE:
 17811-07A
 UCP/UCP/IB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS

CONTRACT NO.	SCALE	SIZE	CLASS	PHASE
52-28/445	XX	A0	1	P

DOCUMENT NO.	PROJECT	AREA	PHASE	MRQ No.	DIS.	DOC.	SEQ.	SHEET	REV. NO.
BU-20-VD-303-IN-000-009	BU-20-VD-303-IN	DWG-0039						2 OF 6	02

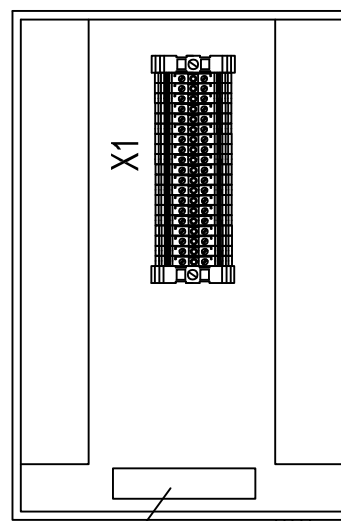
JNDX-C1002-01

FRONT SIDE (OUTSIDE) VIEW



EARTHING BOSS M10

FRONT SIDE (INSIDE) VIEW



PE Bar

EARTHING BOSS M10

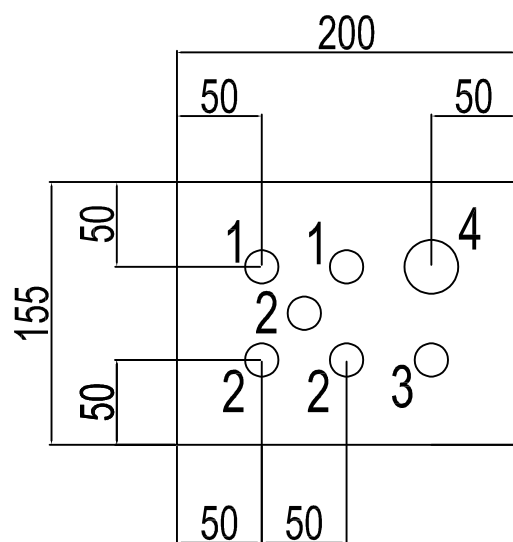
Repeated Comment
According to selecting Eex'd' type solenoid valve, so selected JB shall be Eex'd' too.
JB protection shall be considered Eex'd' and its color shall be RAL9006

Repeated Comment
Required data as per attached file (in previous rev.) was not implemented.(such as name plate, special label and etc.)

- GENERAL NOTES
1. Panel material: SS316
 2. Ingress protection: IP-65
 3. Panel dimensions: 200x300x155 mm
 4. Area classification: Eex 'e' (RAL 6021) Green
 5. All spare holes are plugged with certified plugs

REFERENCE DRAWINGS	DWG.No.
xxxxxxx	xxxxxxx

BOTTOM VIEW



- 1 = Solenoid cable - M20
- 2 = Spare plug - M20
- 3 = Breather / Drain - M20
- 4 = Solenoid multipair cable - M32

GLAND ENTRY DETAILS

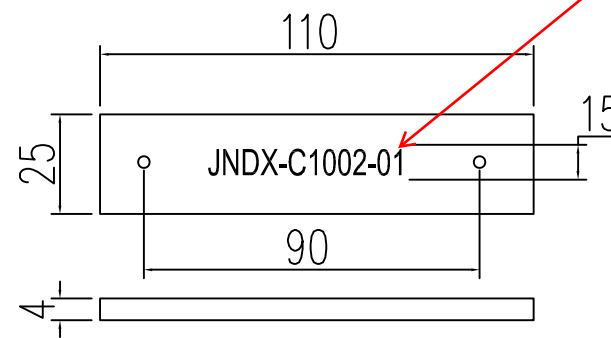
- M20: 1x (Breather)
- M20: 5x
- M32: 1x

As per instrument cable list M25 cable gland shall be considered

Terminal strip: X1
Make: Weidmuller
Qty: 16

This is tag plate that you specified, in addition tag plate, name plate and special label (same as attached file in previous rev.) shall be specified in this document.

Nameplate for junction box
Material: ABS
Black letters on white background



REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.	AC.
02	14/12/21	For approval	HT	RB	RB	-
01	18/10/21	For approval	HT	RB	RB	-
00	24/11/20	For approval	HT	RB	RB	-

OWNER:	MC:	CONTRACTOR:

PROJECT: BUSHEHR PETROCHEMICAL COMPANY
MEG PLANT

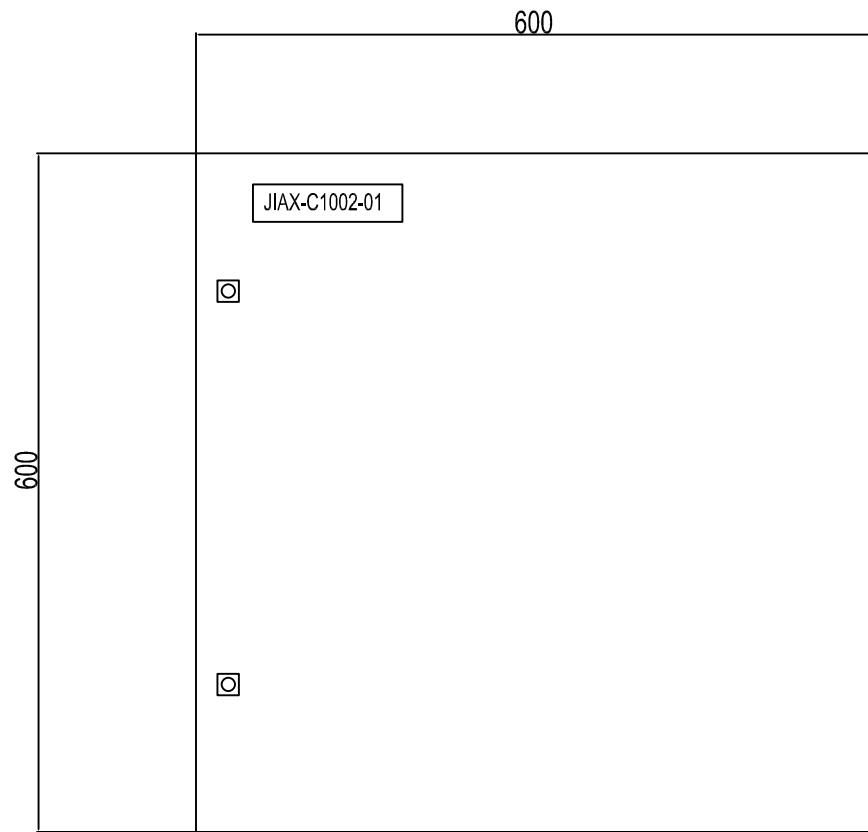
DRAWING TITLE:
17811-07A
UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS

CONTRACT NO.	SCALE	SIZE	CLASS	PHASE
52-98/445	XX	A0	1	P

DOCUMENT NO.	PROJECT	AREA	PHASE	MRQ No.	DIS.	DOC.	SEQ.	SHEET	REV. NO.
01-20-00-303-01-000-000	BU-20	VD	303	IN	DWG	0039	3	OF 6	02

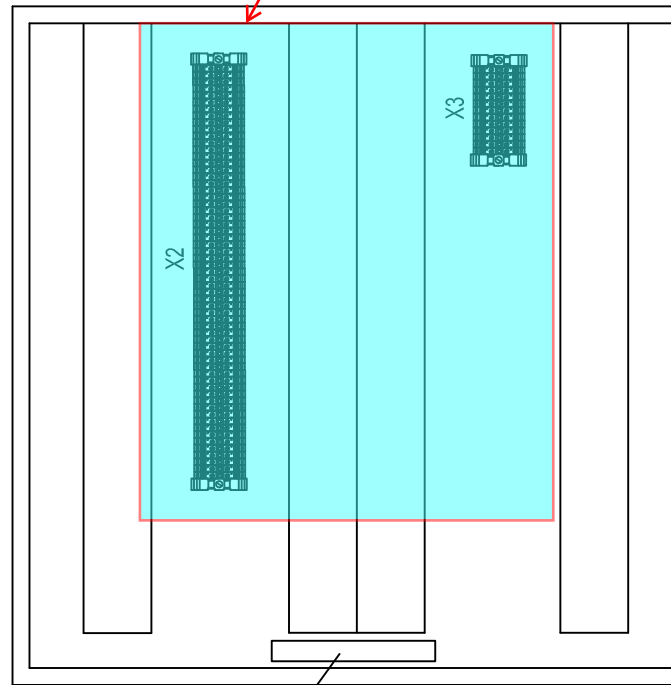
JIAX-C1002-01

FRONT SIDE (OUTSIDE) VIEW



EARTHING BOSS M10

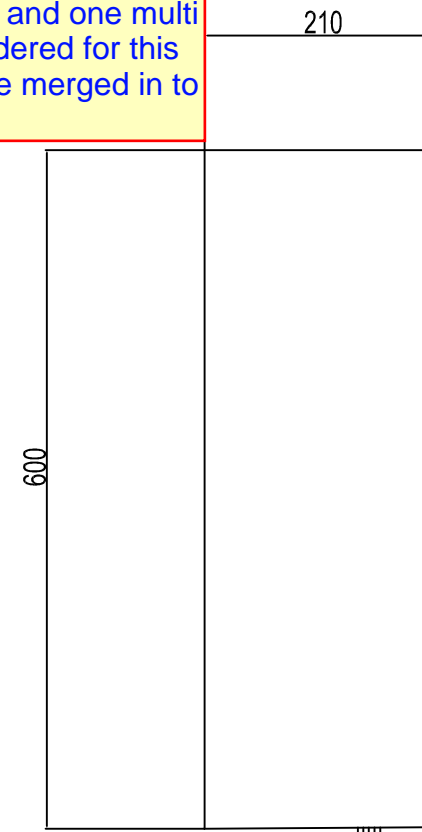
FRONT SIDE (INSIDE) VIEW



ISE Bar

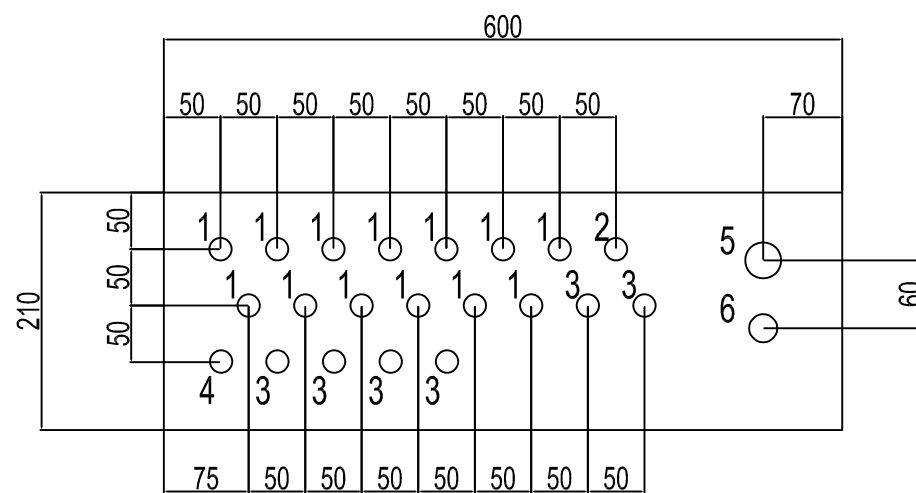
EARTHING BOSS M10

SIDE (OUTSIDE) VIEW



EARTHING BOSS M10

BOTTOM VIEW



GLAND ENTRY DETAILS

- M20: 1x (Breather)
- M20: 20x
- M25: 1x
- M32: 1x
- M40: 1x

To be deleted

- 1 = Transmitter cable - M20
- 2 = PCV cable - M20
- 3 = Spare plug - M20
- 4 = Breather / Drain - M20
- 5 = Transmitter multipair cable - M32
- 6 = PCV multipair cable - M25

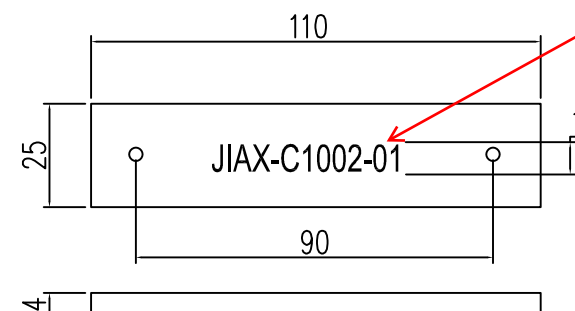
Regarding to considering one JB for analogue input/outputs so one terminal strip and one multi cable 20Px0,75 mm² will be considered for this JB, accordingly X2 and X3 shall be merged in to one terminal strip.

Terminal strip: X2
Make: Weidmuller
Qty: 61

Terminal strip: X3
Make: Weidmuller
Qty: 13

This is tag plate that you specified, in addition tag plate, name plate and special label (same as attached file in previous rev.) shall be specified in this document.

Nameplate for junction box
Material: ABS
Black letters on white background



GENERAL NOTES

1. Panel material: SS316
2. Ingress protection: IP-65
3. Panel dimensions: 400x400x210 mm
4. Area classification: Eex 'I' (RAL 5015) Blue
5. All spare holes are plugged with certified plugs

REFERENCE DRAWINGS	DWG.No.
xxxxxxx	xxxxxxx

REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.	AC.
02	14/12/21	For approval	HT	RB	RB	-
01	18/10/21	For approval	HT	RB	RB	-
00	24/11/20	For approval	HT	RB	RB	-

OWNER:	MC:	CONTRACTOR:

PROJECT: BUSHEHR PETROCHEMICAL COMPANY
MEG PLANT

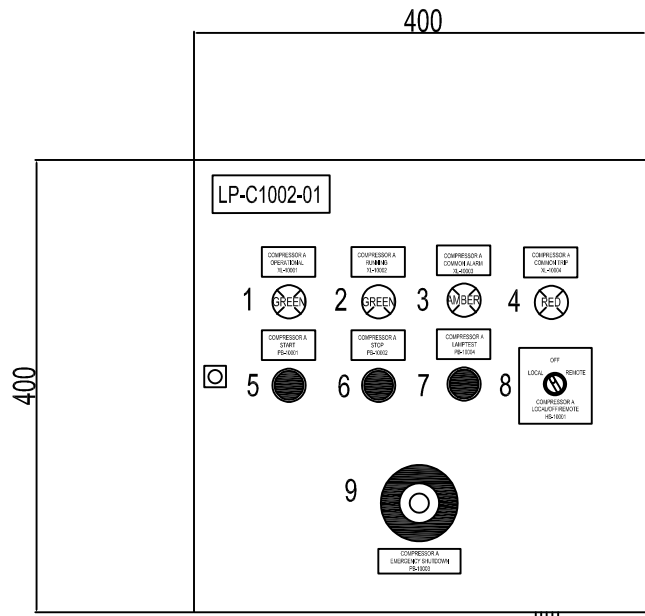
DRAWING TITLE: 17B11-07A
UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS

CONTRACT NO.	SCALE	SIZE	CLASS	PHASE
52-95/445	XX	A0	1	P

DOC. NO.	PROJECT	AREA	PHASE	MRQ No.	DIS.	DOC.	SEQ.	SHEET	REV. NO.
BU-20-VD-303-IN-0039	BU-20-VD-303-IN	VD	IN	0039				4 OF 6	02

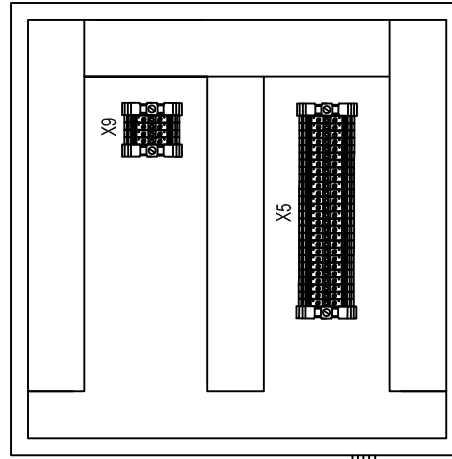
LP-C1002-01

FRONT SIDE (OUTSIDE) VIEW



EARTHING BOSS M10

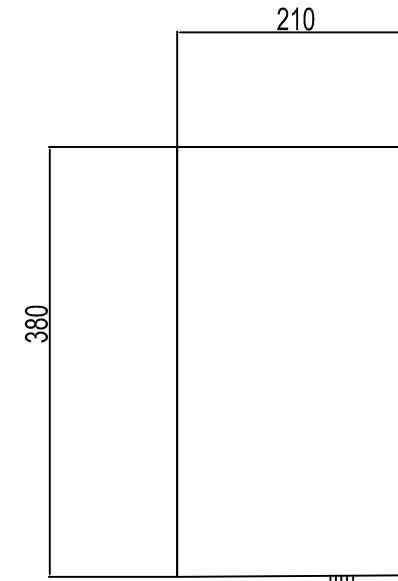
FRONT SIDE (INSIDE) VIEW



EARTHING BOSS M10

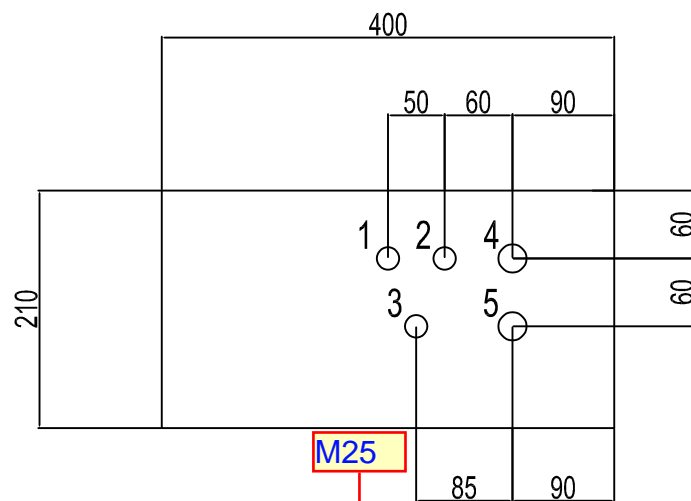
LCP shall be Eex'd' type JB, regarding to NIS signals contain it. accordingly its color shall be RAL9006

SIDE (OUTSIDE) VIEW



EARTHING BOSS M10

BOTTOM VIEW



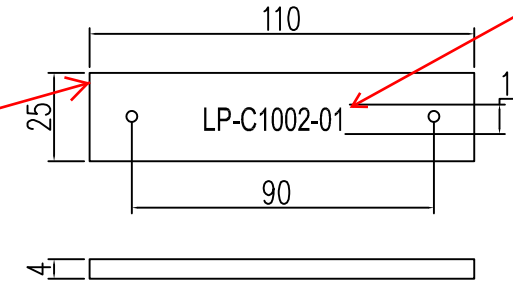
- 1 = ESD multicore cable - M20
- 2 = Spare plug - M20
- 3 = Breather / Drain - M20
- 4 = Pushbutton / Lamps multicore cable - M25
- 5 = Spare plug - M25

GLAND ENTRY DETAILS

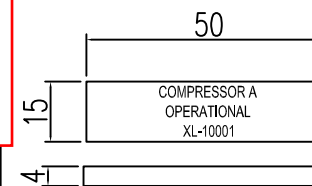
- M20: 1x (Breather)
- M20: 2x
- M25: 2x

EL:
Repeated Comment:
 The technical specifications shall be completed in nameplate.
 The below items shall be added in name plate:
 -The degree of protection panel
 -The permissible withstanding short circuit current
 -The total weight of panel
 -The insulation voltage of panel
 -Manufacturer date
 -The panel tag

Nameplate for junction box
 Material: ABS
 Black letters on white background



Nameplate for components on JB door (Typical)
 Material: ABS
 Black letters on white background



GENERAL NOTES

1. Panel material: SS316
2. Ingress protection: IP-65
3. Panel dimensions: 400x400x210 mm
4. Area classification: Eex 'e' (RAL 6021) Green
5. All spare holes are plugged with certified plugs

REFERENCE DRAWINGS	DWG.No.
xxxxxxx	xxxxxxx

This is tag plate that you specified, in addition tag plate, name plate and special label (same as attached file in previous rev.) shall be specified in this document.

Modify the MC logo

REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.	AC.
02	14/12/21	For approval	HT	RB	RB	-
01	18/10/21	For approval	HT	RB	RB	-
00	24/11/20	For approval	HT	RB	RB	-

OWNER:	MC:	CONTRACTOR:

PROJECT: BUSHEHR PETROCHEMICAL COMPANY MEG PLANT

DRAWING TITLE: UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS

17B11-07A

CONTRACT NO.	SCALE	SIZE	CLASS	PHASE
52-95/445	XX	A0	1	P

DOCUMENT NO.	PROJECT	AREA	PHASE	MRQ No.	DIS.	DOC.	SEQ.	SHEET	REV. NO.
BU-20-VD-303-IN-009	BU-20-VD-303-IN	DWG-0039						6 OF 6	02