











OWNER:  شرکت ست و پتروشیمی آذربایجان (سهامی خاص)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>						EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	<b>LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER</b>						 Netherlands		
MC :  شرکت ست و پتروشیمی آذربایجان (سهامی خاص)	Project	Area	Phase	Unit	Dis.	Doc.	Seq.	Contract No: 52-98/445	
Owner Document Number: 17811-57A	BU	20	VD	303	EL	DWG	0058	Rev.:	Page
								01	1 of 4

## LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER

 شرکت ست و پتروشیمی آذربایجان (سهامی خاص)	 Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>
<b>Document Review</b>		
Issue Purpose:	IFA	
Result Code: AP,AN,CM,RE,NC	AN	
Next Status : IFC,IFA,IFI,AFC,AB	AFC	
Responsible Department	MECHANICAL	
Commented Date	8/15/2022	
<b>Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.</b>		

01	28/07/2022	For approval	BK	RB	KP	
00	21/10/2021	For approval	HT	RB	KP	
Rev.	Date	Purpose of Issue	Prepared	Checked	Approved	AC Code
					Class: 1	Phase: P

<b>OWNER:</b>  شرکت ست دوسوی توسه ایرانیاان (سامی ناس)	<b>BUSHEHR PETROCHEMICAL COMPANY MEG PLANT</b>						<b>EPC CONTRACTOR</b>  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	<b>LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER</b>						 Netherlands		
<b>MC :</b>  شرکت ست دوسوی توسه ایرانیاان (سامی ناس)	<b>Project</b>	<b>Area</b>	<b>Phase</b>	<b>Unit</b>	<b>Dis.</b>	<b>Doc.</b>	<b>Seq.</b>	<b>Contract No: 52-98/445</b>	
<b>Owner Document Number:</b> 17811-57A	BU	20	VD	303	EL	DWG	0058	<b>Rev.:</b>	<b>Page</b>
								01	2 of 4

**TABULATION OF REVISED PAGES**

Page	D00	D01	D02	D03	D04
1.	X	X			
2.	X	X			
3.	X	X			
4.	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.					

Nr	Description	Tagnumber	Make
1.	Main motor fault lamp (red)	3H18	Schneider
2.	Main motor permissive lamp (green)	3H16	Schneider
3.	Ampere meter	3V2	Schneider
4.	Maintenance switch	2Q3	Schneider
5.	Thermal protection 400VAC	3U2	Schneider
6.	Contactor 400VAC	3U2.1	Schneider
7.	Contactor 230VAC	4U3	Schneider
8.	Thermostat 230VAC	4TH8	Jumo
9.	Miniature circuit breaker 3P	2F17, 3F3	Schneider
10.	Panel power supply	2V17	Phoenix contact
11.	Miniature circuit breaker 1P	2F17.1	Schneider
12.	Interface relay 1NO Interface relay 2NO	3K9, 3K12, 4K6, 5K4, 5K6 3K8	Phoenix contact
13.	Interface relay 230VAC	4K5	Phoenix contact
14.	Transformer for Ampere meter	3L1	Schneider
15.	Solid state relay	4U4	Siemens
16.	Miniature circuit breaker 2P	4F4	Schneider

GENERAL NOTES	
1. Tag numbers correspond with electrical diagram	
2. All the parts that are on the list in the panel layout will be included in the IOM.	

Name of these documents shall be added.

REFERENCE DRAWINGS	DWG.No.
BU-20-VD-303-IN-DIG-0043	17811-05A
BU-20-VD-303-IN-DIG-0049	17811-049A

REV.	DATE	DESCRIPTION	PREP.	CHKD.	APPR.	AC.
01	27/07/22	For approval	HT	BK	BK	--
00	20/10/21	For approval	HT	RB	RB	--

OWNER:

MC:

CONTRACTOR:

PROJECT: BUSHEHR PETROCHEMICAL COMPANY  
MEG PLANT

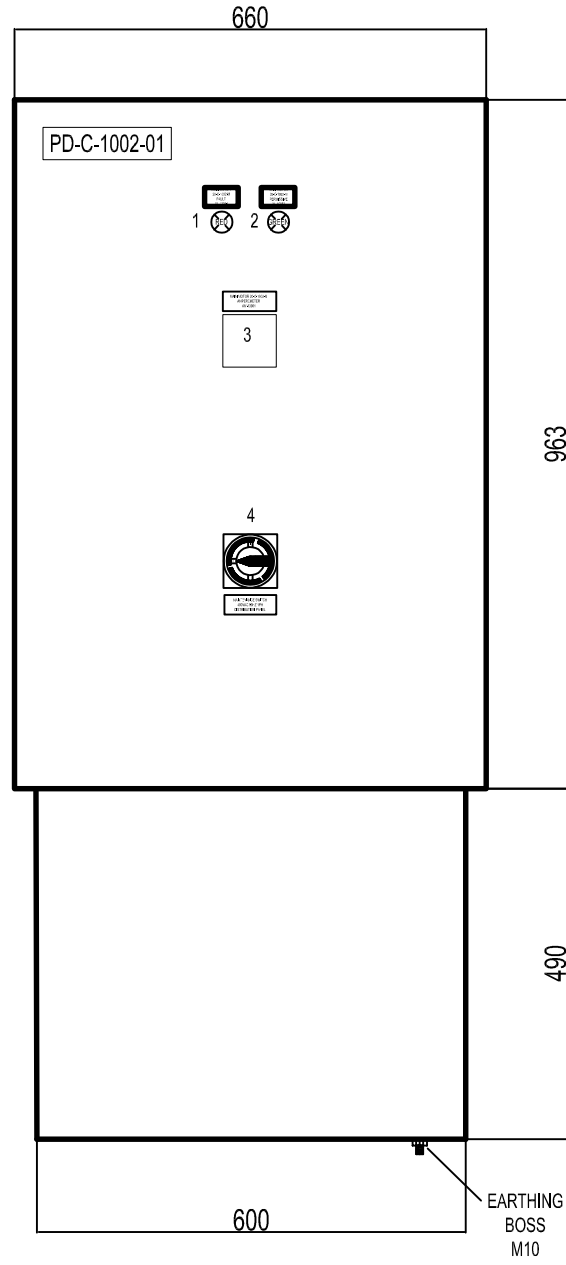
DRAWING TITLE: 17811-57A  
LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER

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

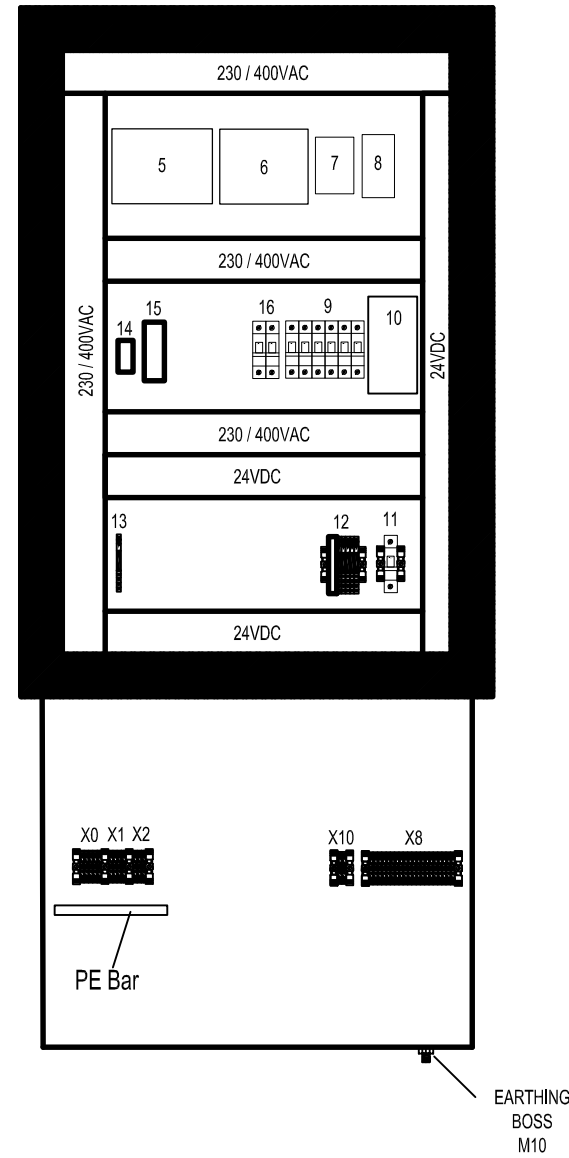
DOCUMENT NO.	PROJECT	AREA	PHASE	MRO No.	DIS.	DOC.	SEQ.	SHEET	REV.
BU-20-VD-303-EL-005	BU	20	VD	303	EL	DRG	0058	1 OF 2	00

# PD-C-1002-01

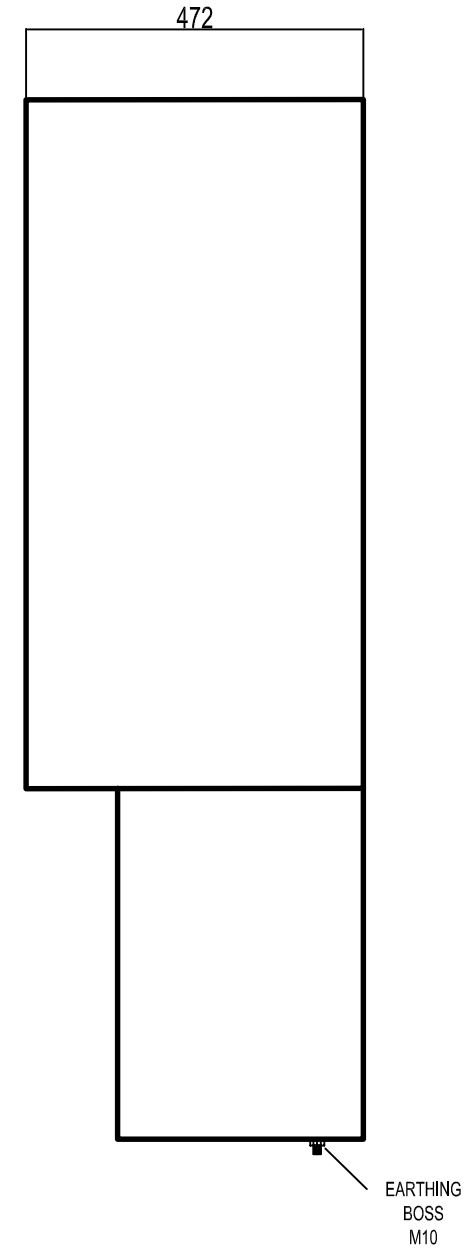
## FRONT SIDE (OUTSIDE) VIEW



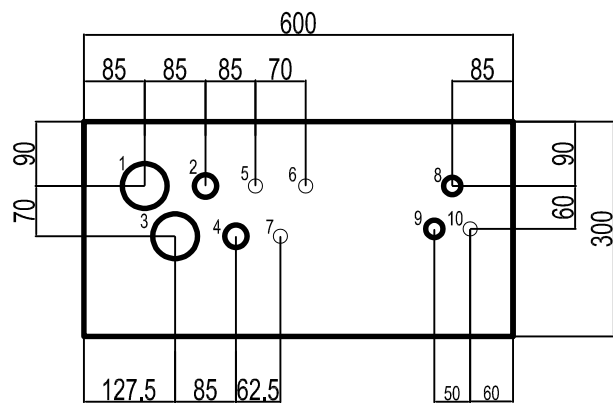
## FRONT SIDE (INSIDE) VIEW



## SIDE (OUTSIDE) VIEW



## BOTTOM VIEW



### GLAND ENTRY DETAILS

- M20: 3x
- M20: 1x (Breather)
- M25: 2x
- M32: 2x
- M63: 2x

- 1 = Incoming power cable from customer - M63
- 2 = Outgoing power cable main motor - M32
- 3 = Spare plug - M63
- 4 = Spare plug - M32
- 5 = Outgoing power cable oil heater - M20
- 6 = PT100 cable - M20
- 7 = Spare plug - M20
- 8 = Multicore cable to / from UCP - M25
- 9 = Spare plug - M25
- 10 = Breather / Drain - M20

### GENERAL NOTES

1. Panel material: Coper free cast aluminum.
2. Ingress protection: IP-65
3. Panel dimensions: 1453x660x742 mm
4. Area classification: Eex 'd' (RAL 7035)
5. All spare notes are plugged with certified plugs

### REFERENCE DRAWINGS

BU-20-VD-303-IN-DIG-0043	17811-05A
BU-20-VD-303-IN-DIG-0049	17811-049A

### DWG.No.

17811-05A
17811-049A

01	27/07/22	For approval	HT	BK	BK	-
00	20/10/21	For approval	HT	RB	RB	-
REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.	AC.
OWNER:		MC:	CONTRACTOR:			
PROJECT:		BUSHEHR PETROCHEMICAL COMPANY MEG PLANT				
DRAWING TITLE:		17811-57A LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER				
CONTRACT NO.	SCALE	SIZE	CLASS	PHASE		
52-98/445	XX	A0	1	P		
DOCUMENT NO.	PROJECT	AREA	PHASE	MIRQ No.	DIS.	DOC. SEQ.
OWNER DOC. NO.:	BU	20	VD	303	EL.	DWG 0058
						2 OF 2
						00