









OWNER:  شرکت سست و پوی توسعه ایرانیاان (سهایی نامس)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR:  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER						 Netherlands		
MC :  شرکت سست و پوی توسعه ایرانیاان (سهایی نامس)	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
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LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER

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

OWNER:  شرکت ست دوسوی توسه ایرانیاان (سامی ناس)	BUSHEHR PETROCHEMICAL COMPANY MEG PLANT						EPC CONTRACTOR  Chagalesh-Enerchimi-Steam Joint Venture BUPC-MEG PLANT PROJECT		
	LV DISTRIBUTION PANEL DRAWING FOR NITROGEN GAS BOOSTER						 Netherlands		
MC :  شرکت ست دوسوی توسه ایرانیاان (سامی ناس)	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
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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.	
REFERENCE DRAWINGS	DWG.No.
BU-20-VD-303-IN-DIG-0043	17811-05A
BU-20-VD-303-IN-DIG-0049	17811-049A

01	27/07/22	For approval	HT	BK	BK	--
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REV.	DATE	DESCRIPTION	PREP.	CHKD.	APPR.	AC.

OWNER:  MC:  CONTRACTOR: 

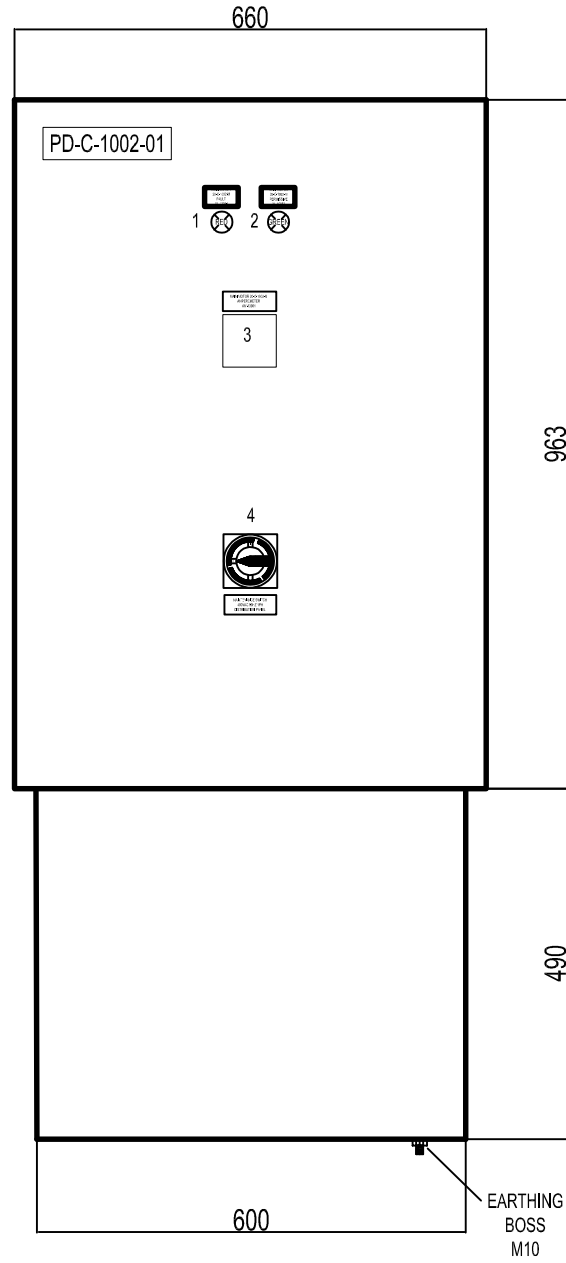
PROJECT: BUSHEHR PETROCHEMICAL COMPANY
MEG PLANT

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

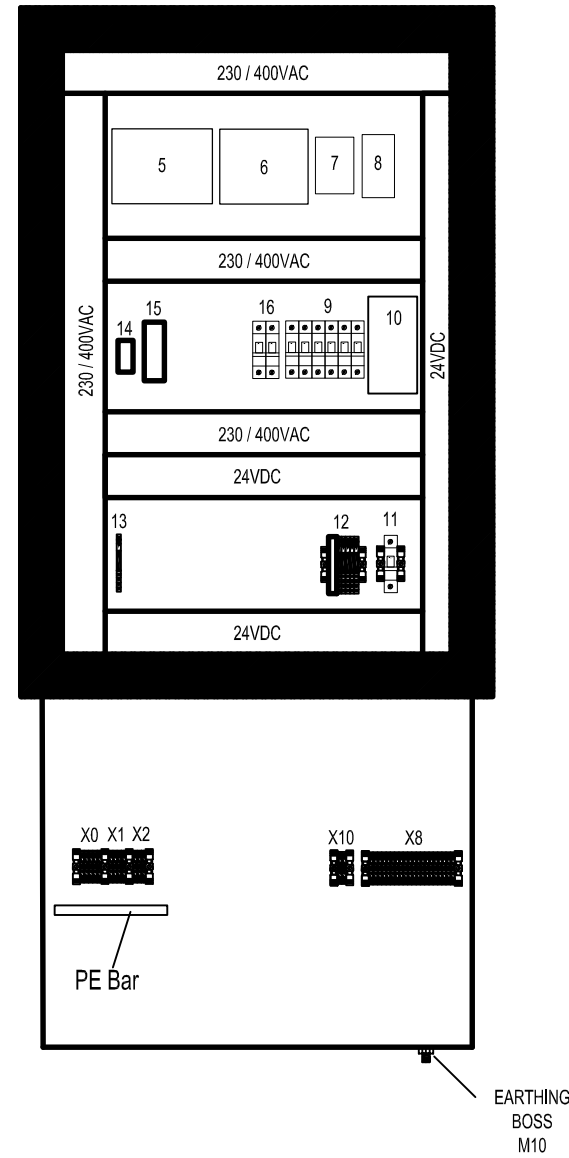
CONTRACT NO.	SCALE	SIZE	CLASS	PHASE					
52-98/445	XX	A0	1	P					
DOCUMENT NO.	PROJECT	AREA	PHASE	MRO No.	DIS.	DOC.	SEQ.	SHEET	REV.
OWNER DOC. NO.: BU-20-VD-303-EL-000-000	BU	20	VD	303	EL	DRG	0058	1 OF 2	00

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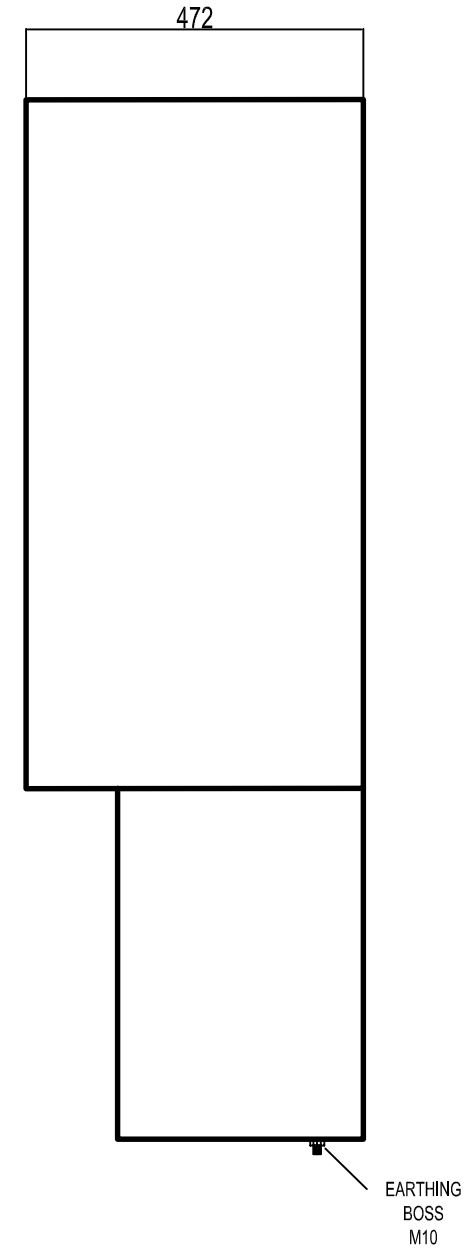
FRONT SIDE (OUTSIDE) VIEW



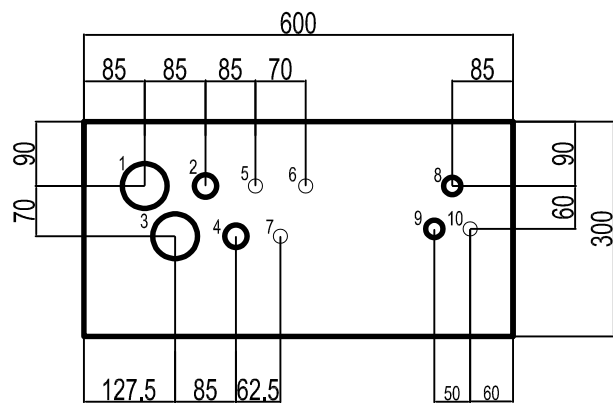
FRONT SIDE (INSIDE) VIEW



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-05
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

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52-98/445	XX	A0	1	P					
DOCUMENT NO.	PROJECT	AREA	PHASE	MIRQ No.	DIS.	DOC.	SEQ.	SHEET	REV.
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