










OWNER:  شرکت سست و سویی گیس ایران (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								
MC:  شرکت سست و سویی گیس 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
								05	1 of 8

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

 شرکت سست و سویی گیس ایران (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	AN	
Next Status : IFC,IFA,IFI,AFC,AB	AFC	
Responsible Department	MECHANICAL	
Commented Date	Oct.16,2022	
Approval or review hereunder shall not be construed to relieve Vendor / Subcontractor of his responsibilities and liability under the contract.		

05	30/09/202	For approval	BK	RB	KP	
04	08/08/2022	For approval	BK	RB	KP	
03	16/06/2022	For approval	BK	RB	KP	
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 سوبی نوسه ایرانیاں (سای ناس)	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 سوبی نوسه ایرانیاں (سای ناس)	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
								04	2 of 8

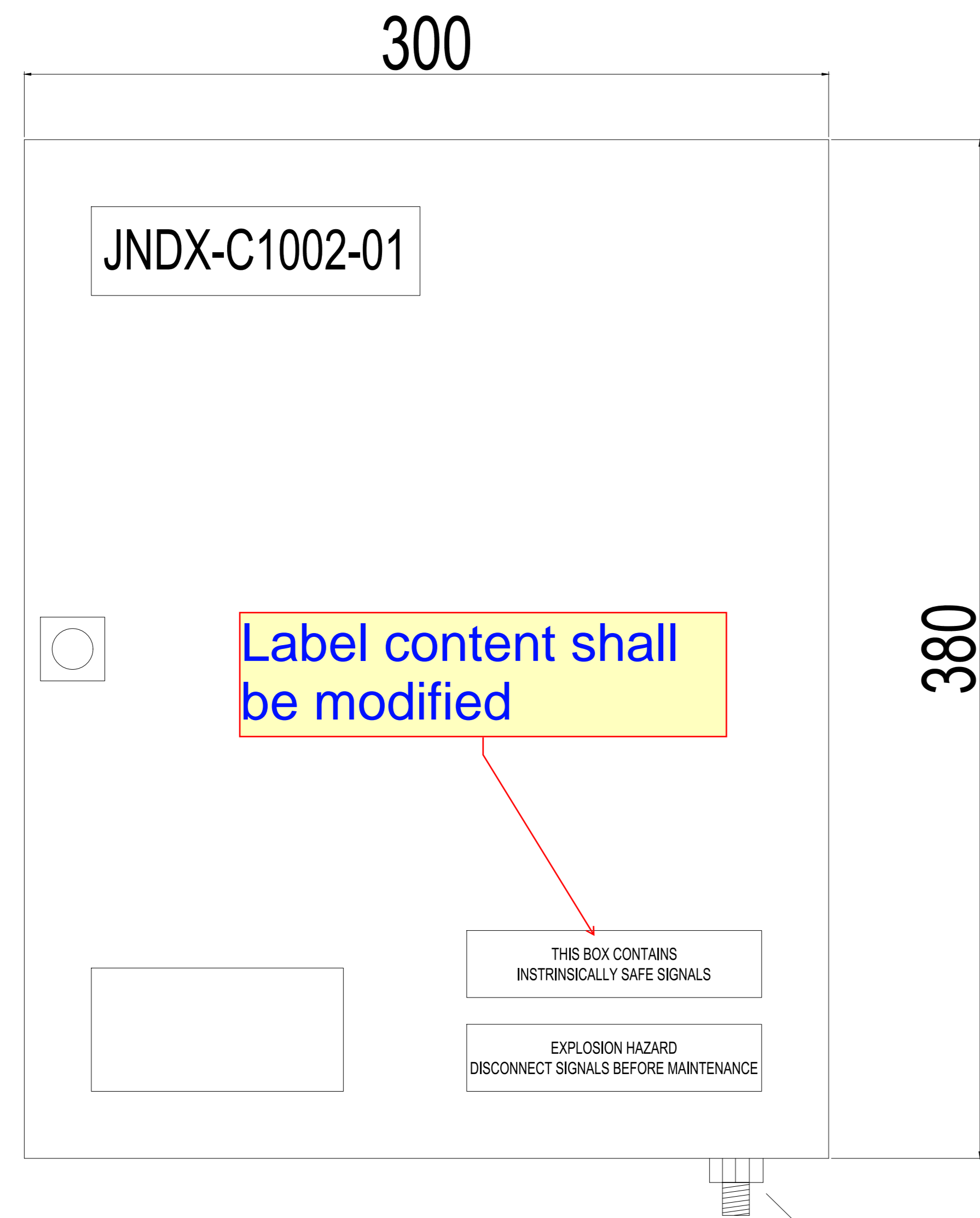
TABULATION OF REVISED PAGES

Page	D01	D02	D03	D04	D05
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.	X	X	X	X	X
6.	X	X	X	X	X
7.	X	X	X	X	X
8.	X	X	X	X	X
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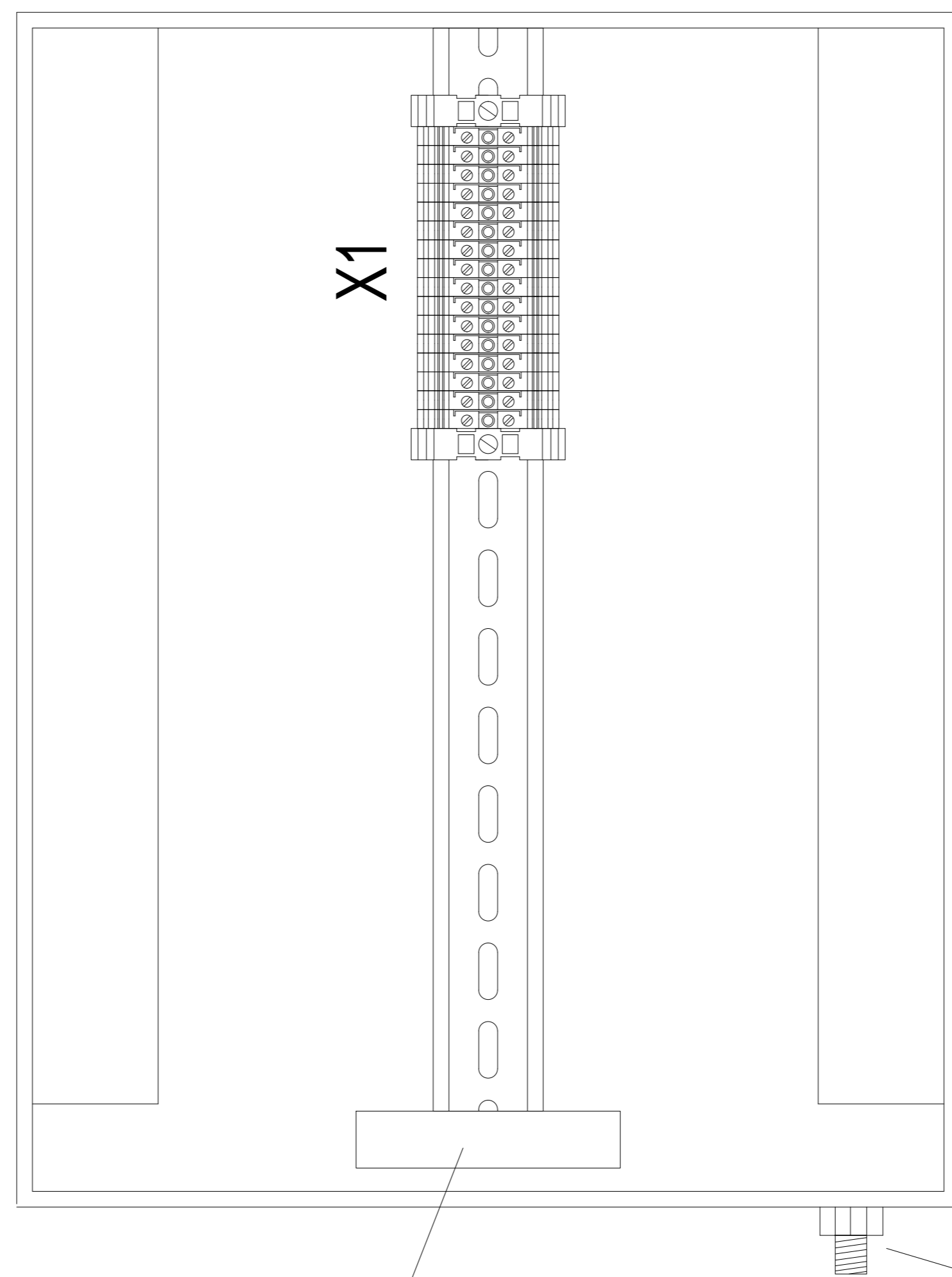
Page	D00	D01	D02	D03	D04
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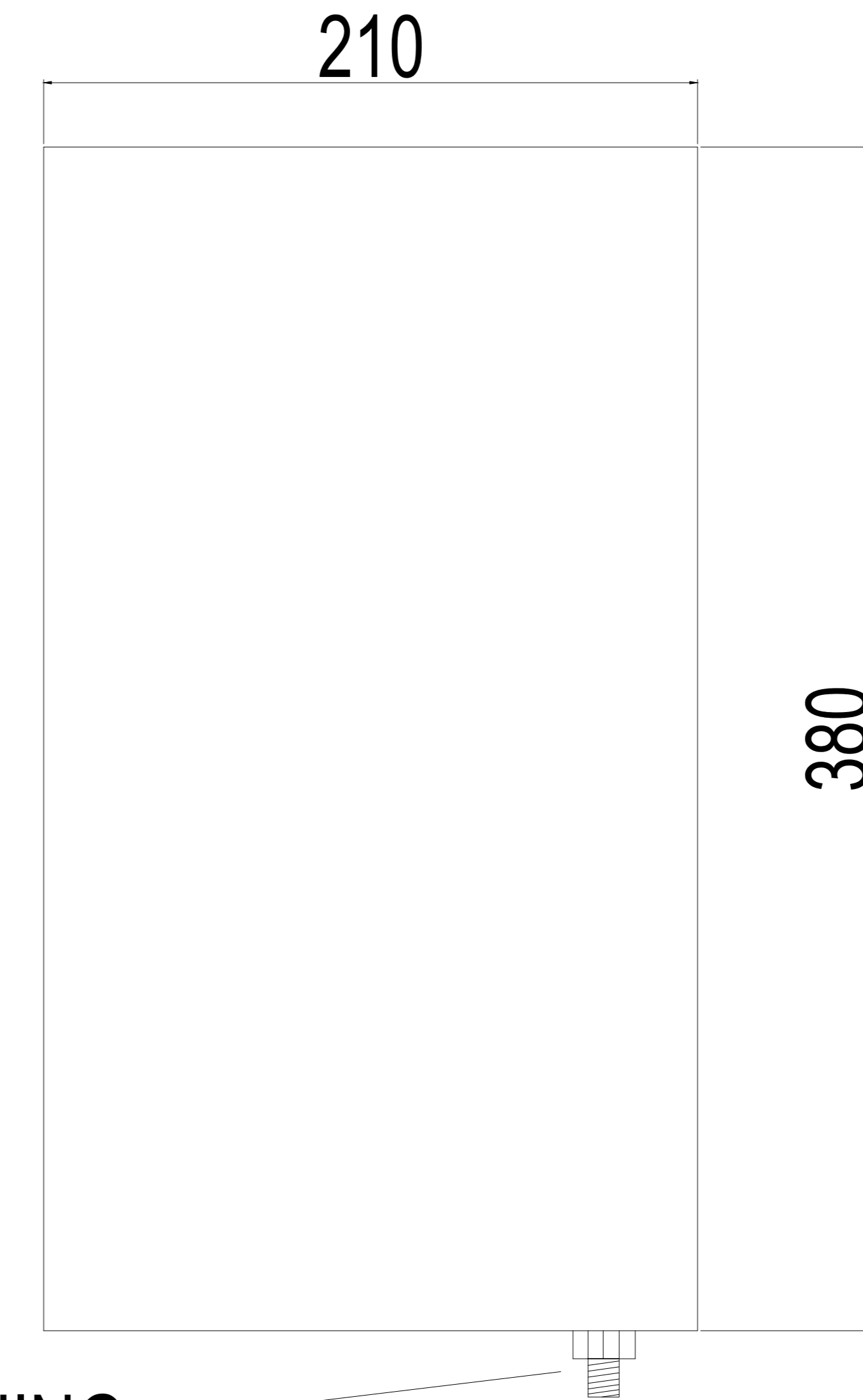
FRONT SIDE (OUTSIDE) VIEW



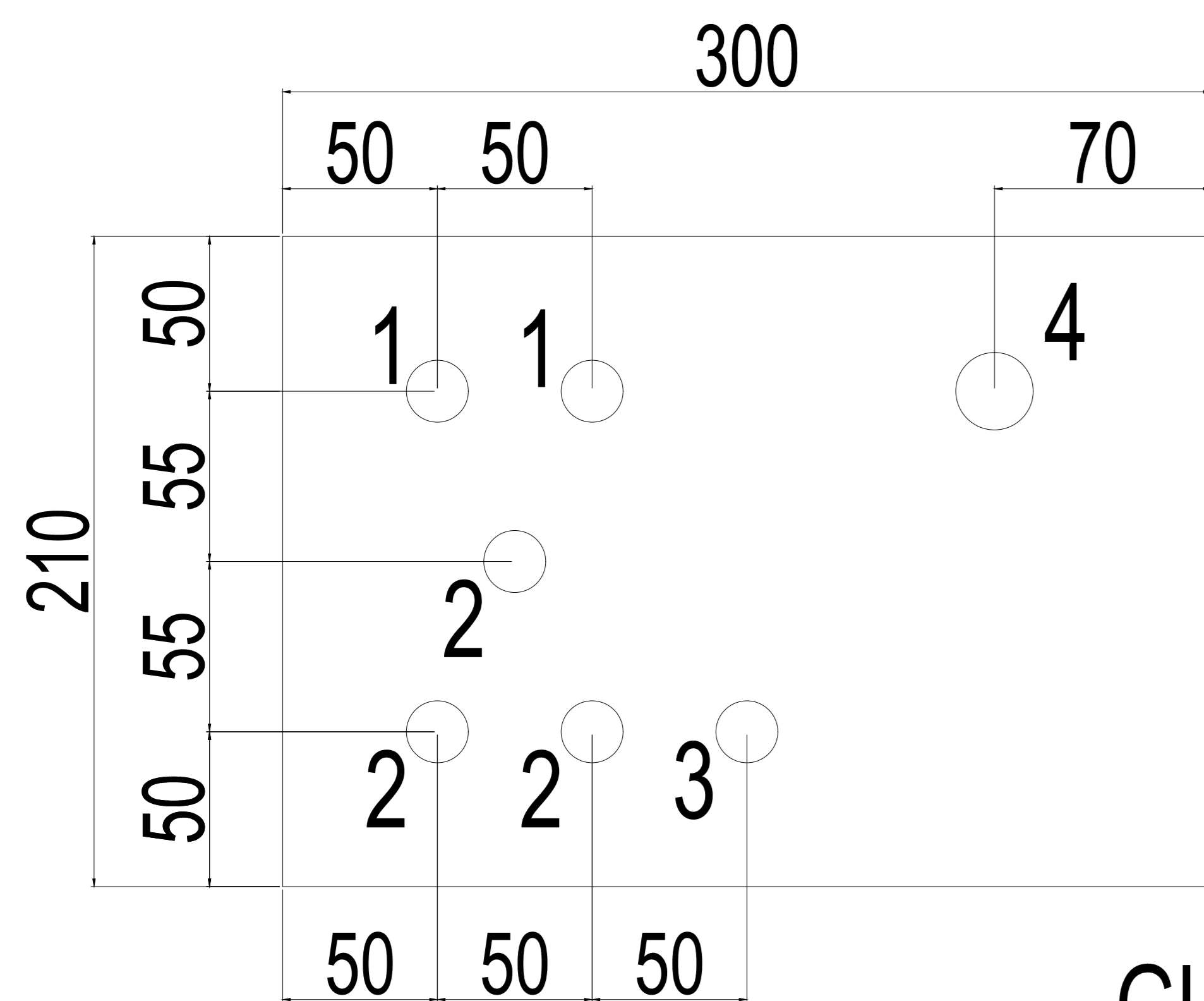
FRONT SIDE (INSIDE) VIEW



SIDE (OUTSIDE) VIEW



BOTTOM VIEW



EARTHING BOSS M10

PE Bar

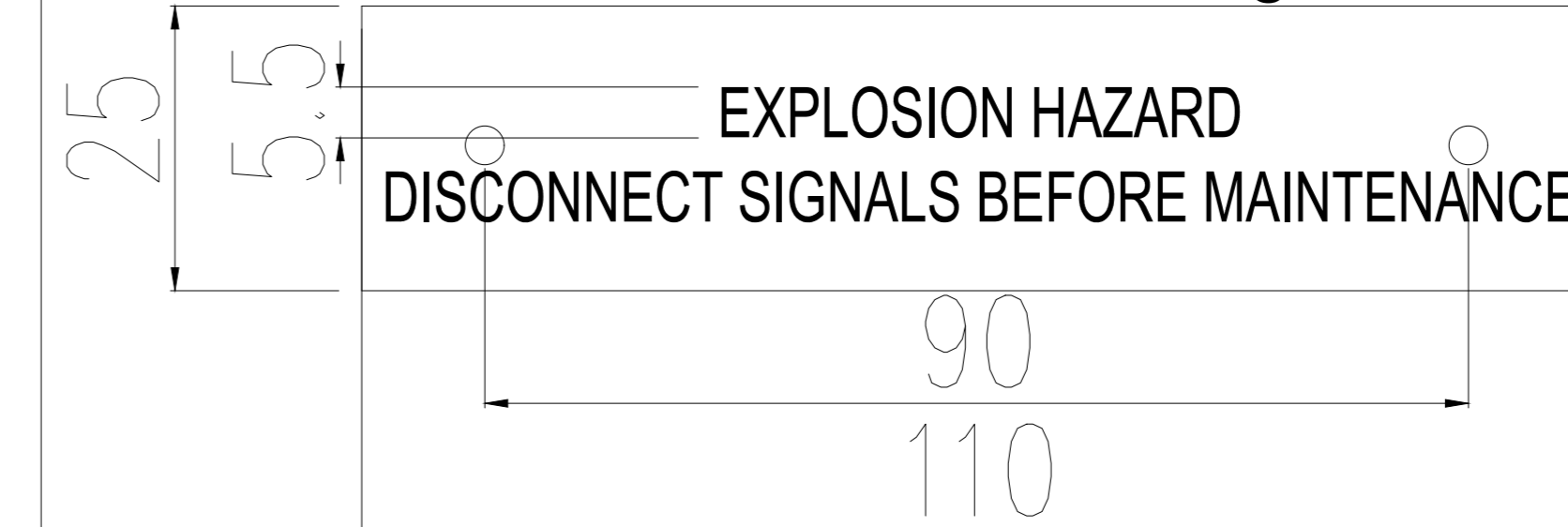
EARTHING BOSS M10

GLAND ENTRY DETAILS

- 1 = Solenoid cable - M20
- 2 = Spare plug - M20
- 3 = Breather / Drain - M20
- 4 = Solenoid multipair cable - M25

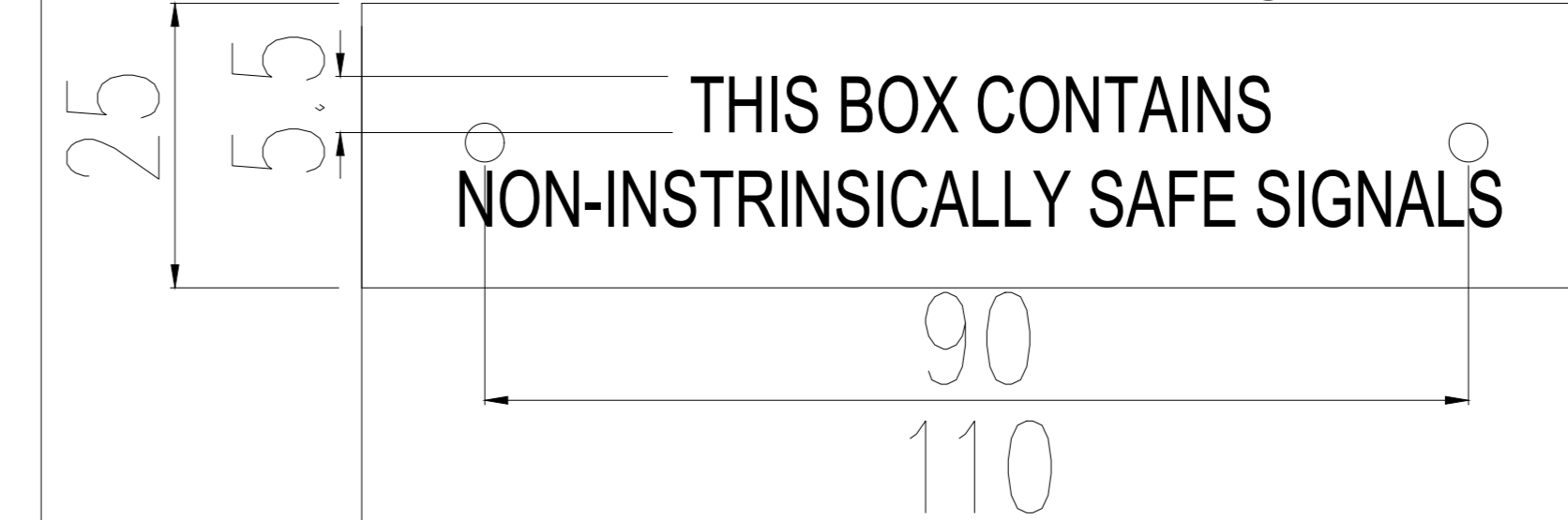
- M20: 1x (Breather)
- M20: 5x
- M25: 1x

Nameplate for junction box, ABS
White letters on red background

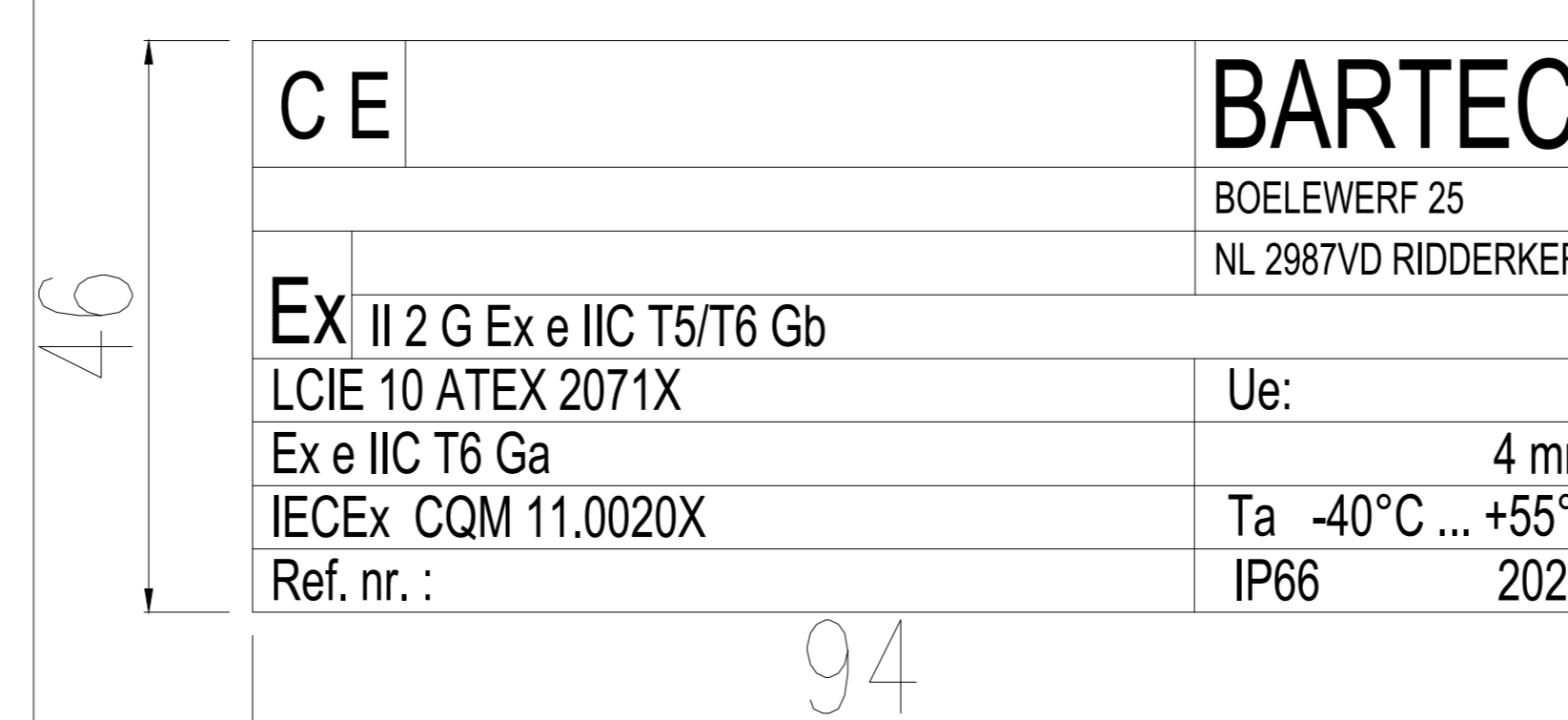


Terminal strip: X1
Make: Weidmuller
Qty: 16

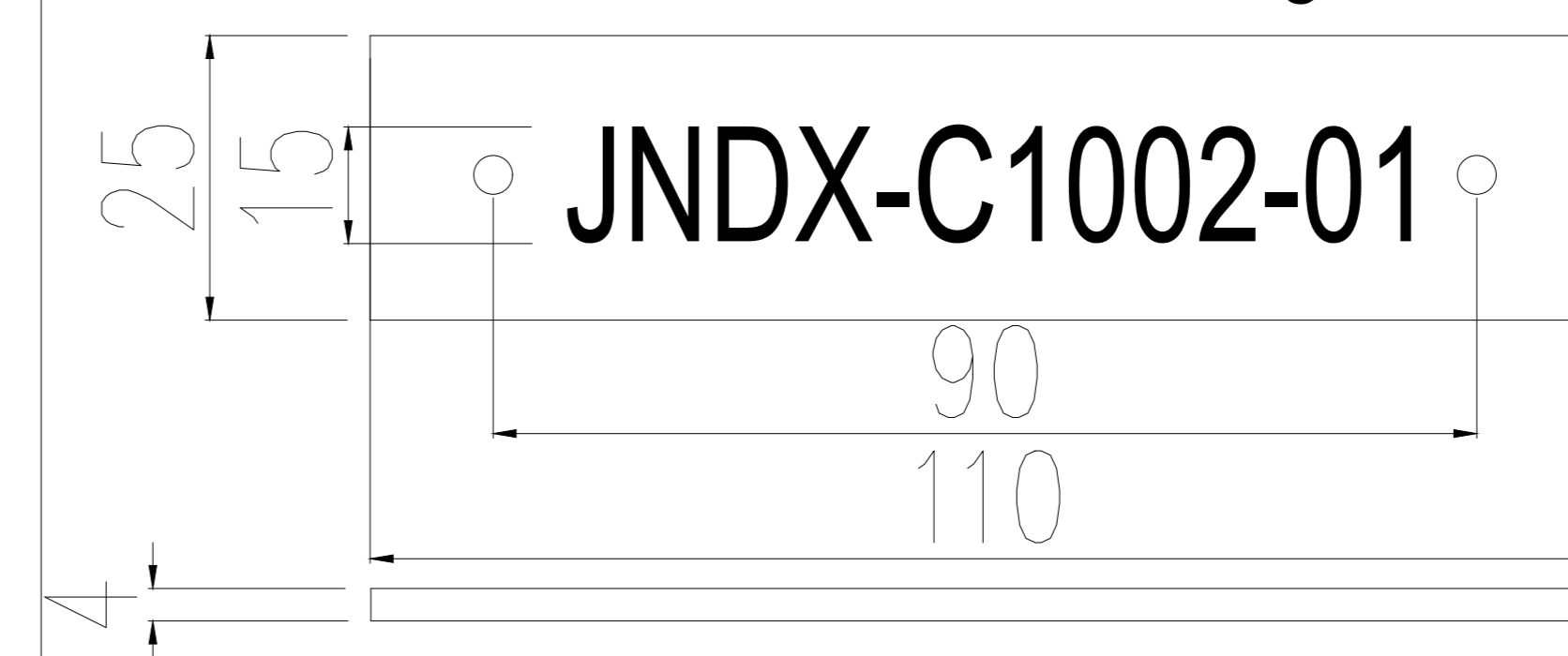
Nameplate for junction box, ABS
White letters on red background



NAMEPLATE, 3:1, SS316 (typical)



TAG.NO, 3:1, ABS
Black letters on white background



GENERAL NOTES

1. Panel material: SS316
2. Ingress protection: IP-65
3. Panel dimensions: 300x380x210 mm
4. Area classification: Eex 'e' (RAL6021) Green
5. All spare holes are plugged with certified plugs

REFERENCE DRAWINGS	DWG.No.
WIRING DIAGRAM	BU-20-VD-303-IN-DIG-0043

REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.	AC.
05	26/09/22	For approval	RT	RB	RB	I
04	04/08/22	For approval	BK	RB	RB	I
03	15/06/22	For approval	BK	RB	RB	I
02	14/12/21	For approval	HT	RB	RB	I
01	18/10/21	For approval	HT	RB	RB	I
00	24/11/20	For approval	HT	RB	RB	I

OWNER:	MC:	CONTRACTOR:

PROJECT: BUSHEHR PETROCHEMICAL COMPANY
NITROGEN GAS BOOSTER INCLUDING BILL OF MATERIALS

DRAWING TITLE: 17811-07A

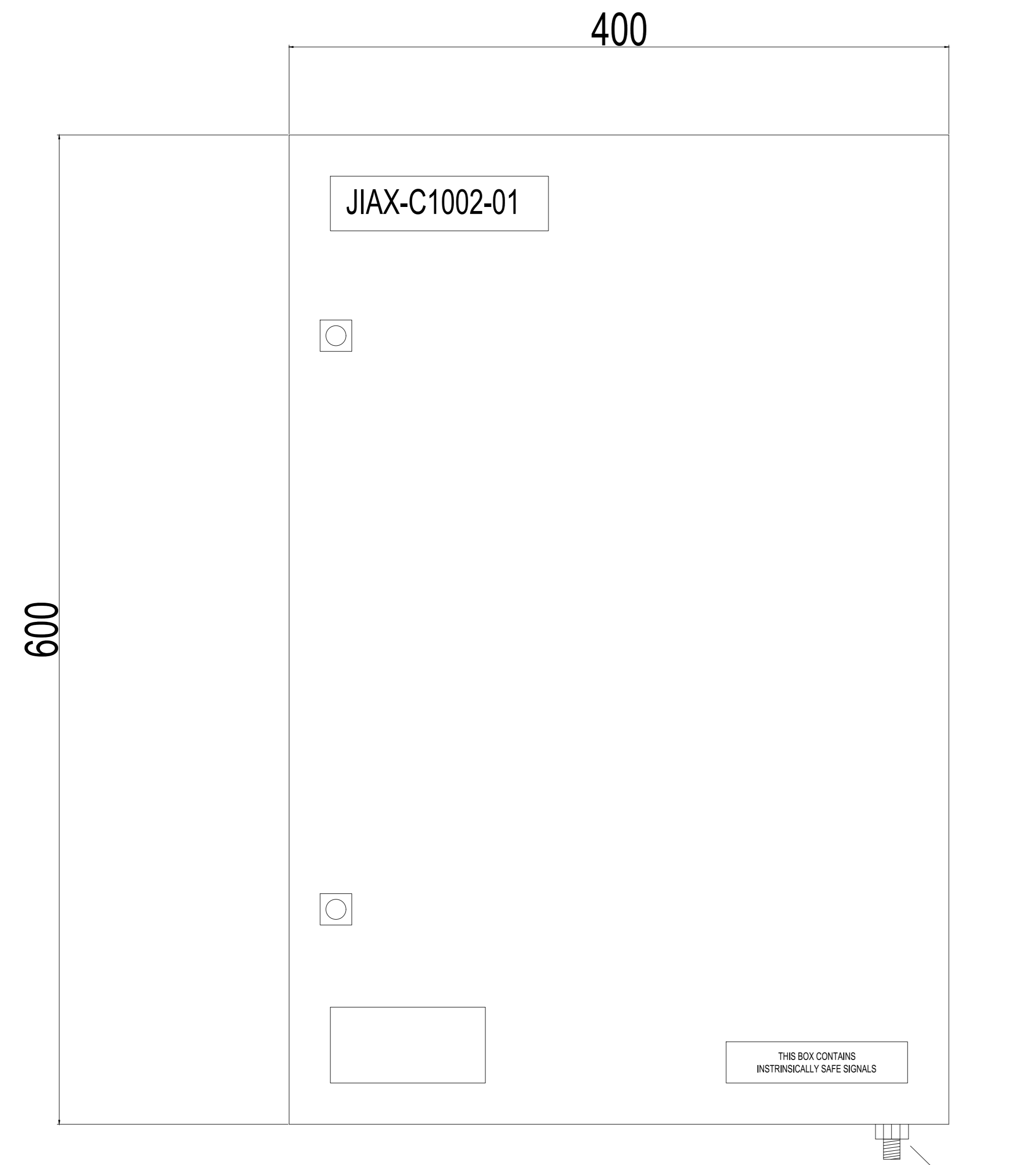
UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS BOOSTER INCLUDING BILL OF MATERIALS

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. NO.
OWNER DOC. NO.: BU-20-VD-303-IN-002-0039	BU-20-VD-303-IN-DWG-0039							3 of 6	05

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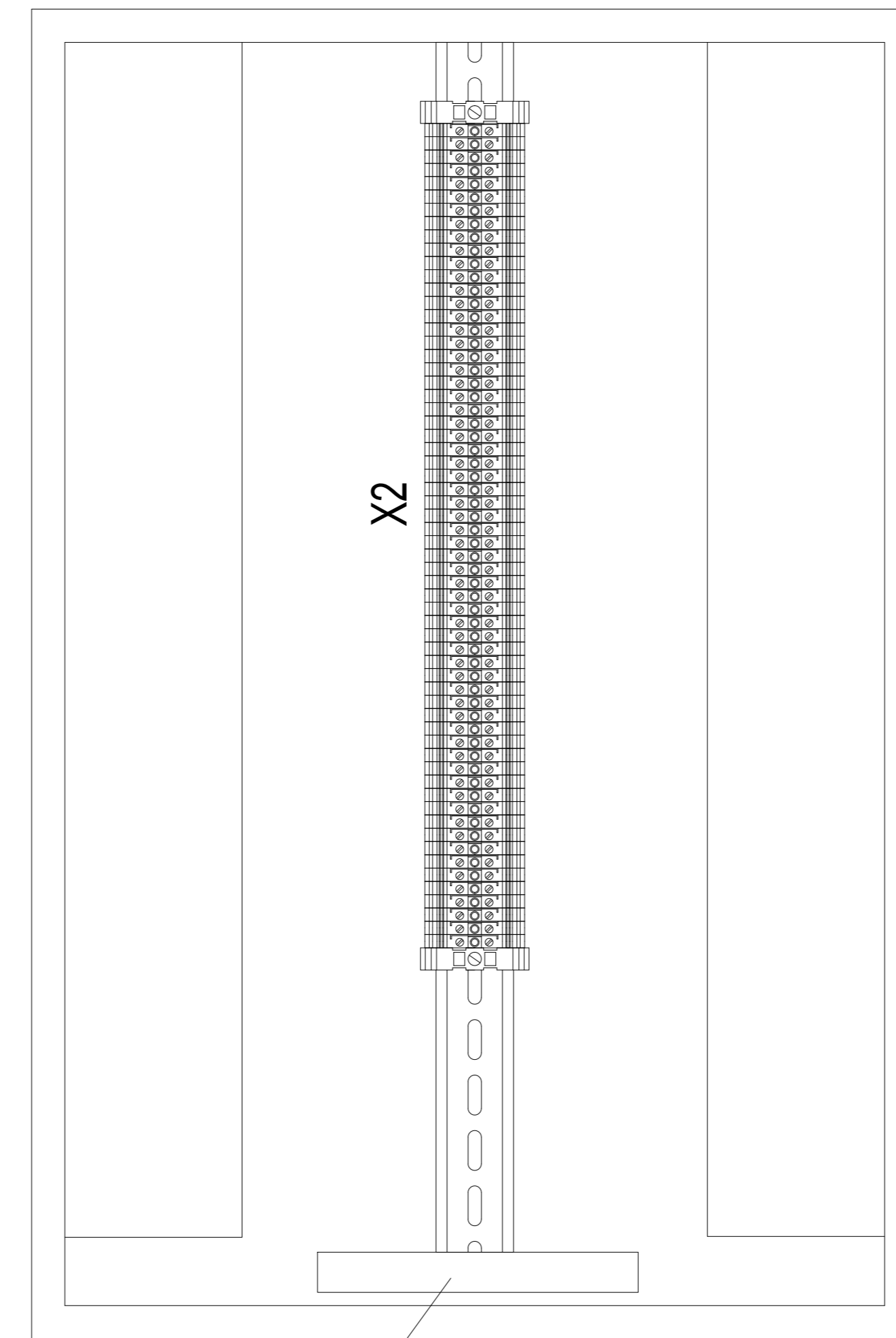
JIAX-C1002-01

FRONT SIDE (OUTSIDE) VIEW



EARTHING BOSS M10

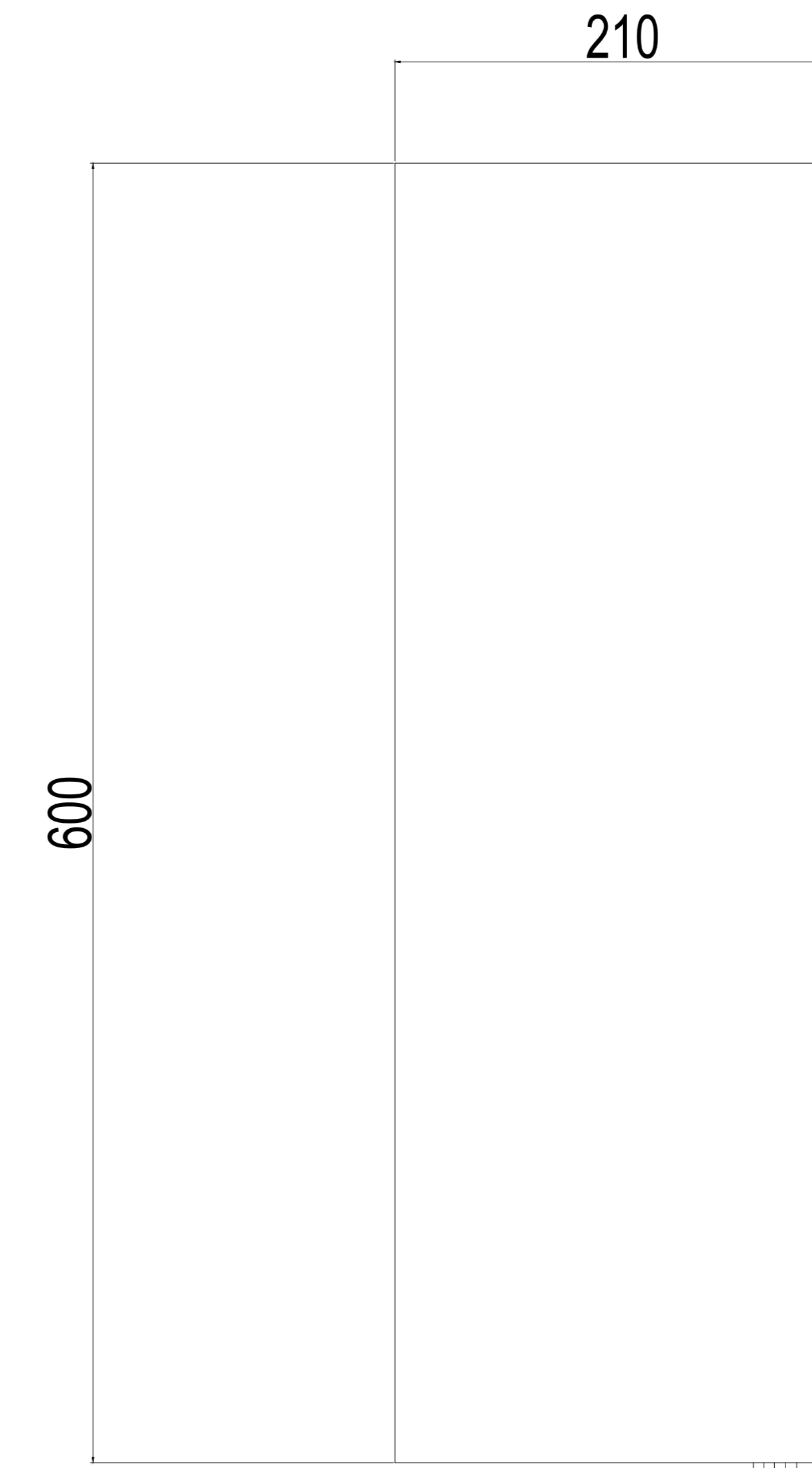
FRONT SIDE (INSIDE) VIEW



ISE Bar

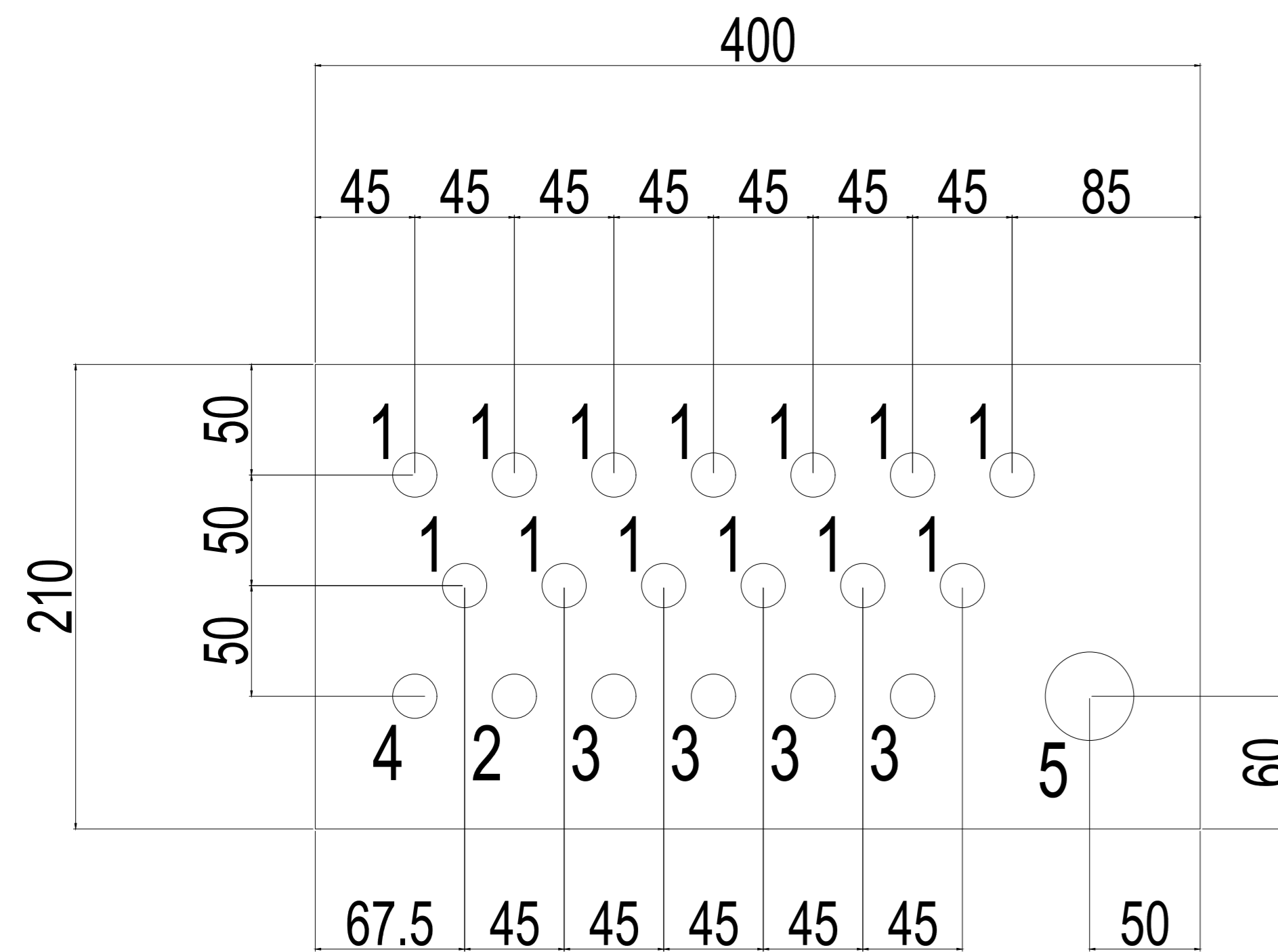
EARTHING BOSS M10

SIDE (OUTSIDE) VIEW



EARTHING BOSS M10

BOTTOM VIEW



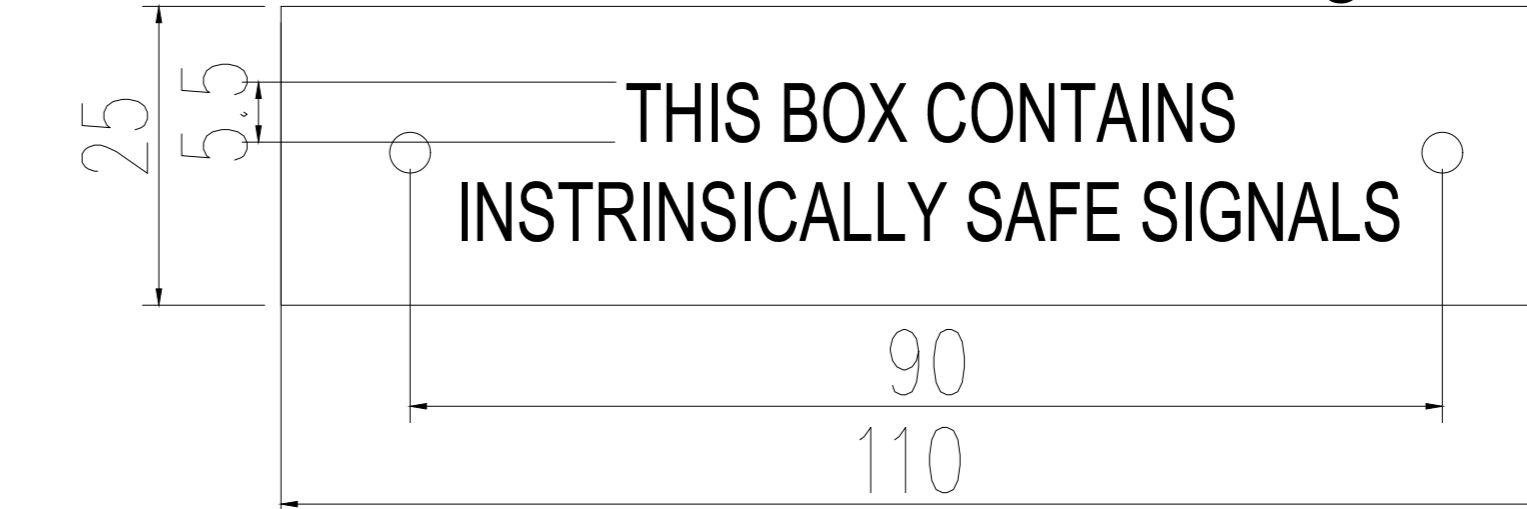
GLAND ENTRY DETAILS

- 1 = Transmitter cable - M20
- 2 = PCV cable - M20
- 3 = Spare plug - M20
- 4 = Breather / Drain - M20
- 5 = Transmitter/PCV multipair cable - M40

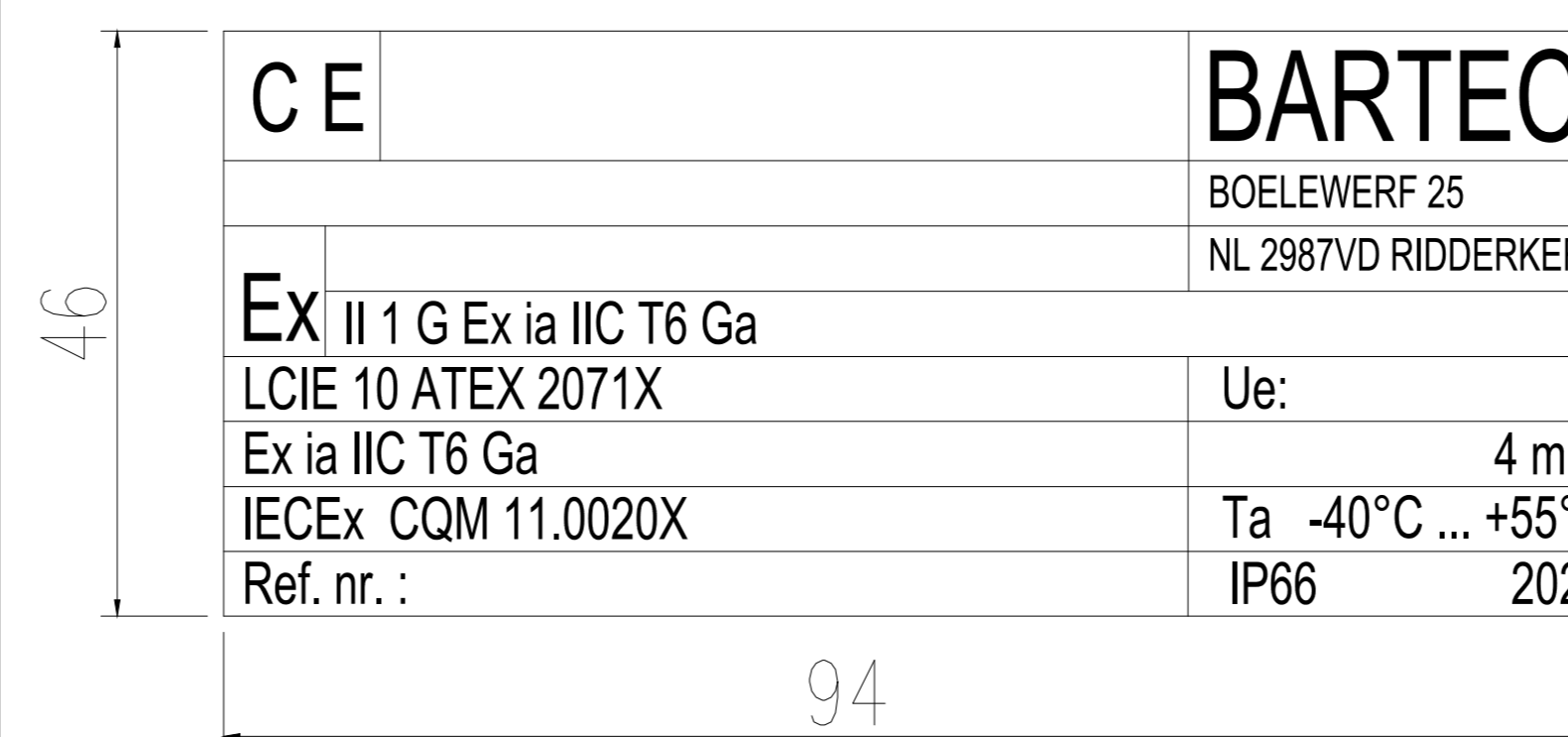
- M20: 1x (Breather)
- M20: 18x
- M40: 1x

Terminal strip: X2
Make: Weidmuller
Qty: 62

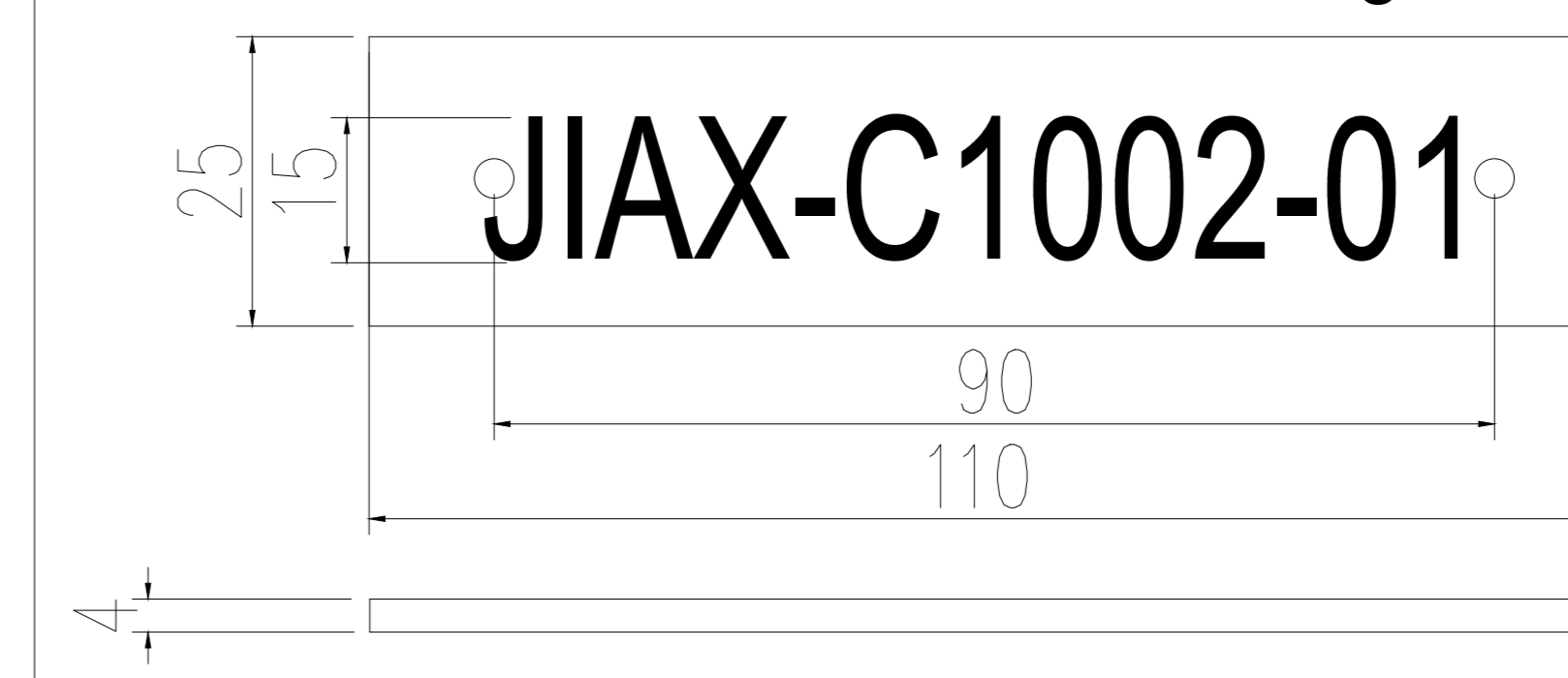
Nameplate for junction box, ABS
Black letter on white background



NAMEPLATE, 3:1, SS316 (typical)



TAG.NO, 3:1, ABS
Black letter on white background



GENERAL NOTES

1. Panel material: SS316
2. Ingress protection: IP-65
3. Panel dimensions: 400x600x210 mm
4. Area classification: Eex 'i' (RAL 5015) Blue
5. All spare holes are plugged with certified plugs

REFERENCE DRAWINGS	DWG.No.
WIRING DIAGRAM	BU-20-VD-303-IN-DIG-0043

REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.	AC.
05	26/09/22	For approval	RT	RB	RB	1
04	04/08/22	For approval	HT	RB	RB	1
03	15/06/22	For approval	HT	RB	RB	1
02	14/12/21	For approval	HT	RB	RB	1
01	18/10/21	For approval	HT	RB	RB	1
00	24/11/20	For approval	HT	RB	RB	1

OWNER:	MC:	CONTRACTOR:

PROJECT: BUSHEHR PETROCHEMICAL COMPANY
MEG PLANT

DRAWING TITLE: 17811-07A
UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR
NITROGEN GAS BOOSTER INCLUDING BILL OF MATERIALS

CONTRACT NO.	SCALE	SIZE	CLASS	PHASE		
52-98/445	XX	A0	1	P		
DOCUMENT NO.	PROJECT AREA	PHASE MRO No.	DIS.	DOC. SEQ.	SHEET NO.	REV. NO.
BU-20-VD-303-IN-DWG-0039					4 OF 6	05

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Nr	Description	Tagnumber	Make	Qty	Modelnumbers
1.	Operational lamp (green)	3H4	Schneider	1	XB4BVB3
2.	Running lamp (green)	3H6	Schneider	1	XB4BVB3
3.	Common alarm lamp (amber)	3H8	Schneider	1	XB4BVB5
4.	Common trip lamp (red)	3H10	Schneider	1	XB4BVB4
5.	Start pushbutton (green)	2S4	Schneider	1	XB4BA31
6.	Stop pushbutton (red)	2S6	Schneider	1	XB4BA42
7.	Lamp test pushbutton (black)	2S8	Schneider	1	XB4BA21
8.	Selector switch (local/off/remote)	2S10	Schneider	1	-
9.	ESD button	4S3	Schneider	1	-



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.
WIRING DIAGRAM	BU-20-VD-303-IN-DIG-0043

Nr	Description	Tagnumber	Make	Qty	Modelnumbers
X5	Terminal strip	X5...,	Weidmuller	26	WDU4
X9	Terminal strip	X9...,	Weidmuller	8	WDU4

05	26/09/22	For approval	RT	RB	RB	RB	RB	RB	RB
04	04/08/22	For approval	BK	RB	RB	RB	RB	RB	RB
03	15/06/22	For approval	BK	RB	RB	RB	RB	RB	RB
02	14/12/21	For approval	HT	RB	RB	RB	RB	RB	RB
01	18/10/21	For approval	HT	RB	RB	RB	RB	RB	RB
00	24/11/20	For approval	HT	RB	RB	RB	RB	RB	RB

OWNER:  MC:  CONTRACTOR: 

PROJECT: BUSHEHR PETROCHEMICAL COMPANY
MEG PLANT

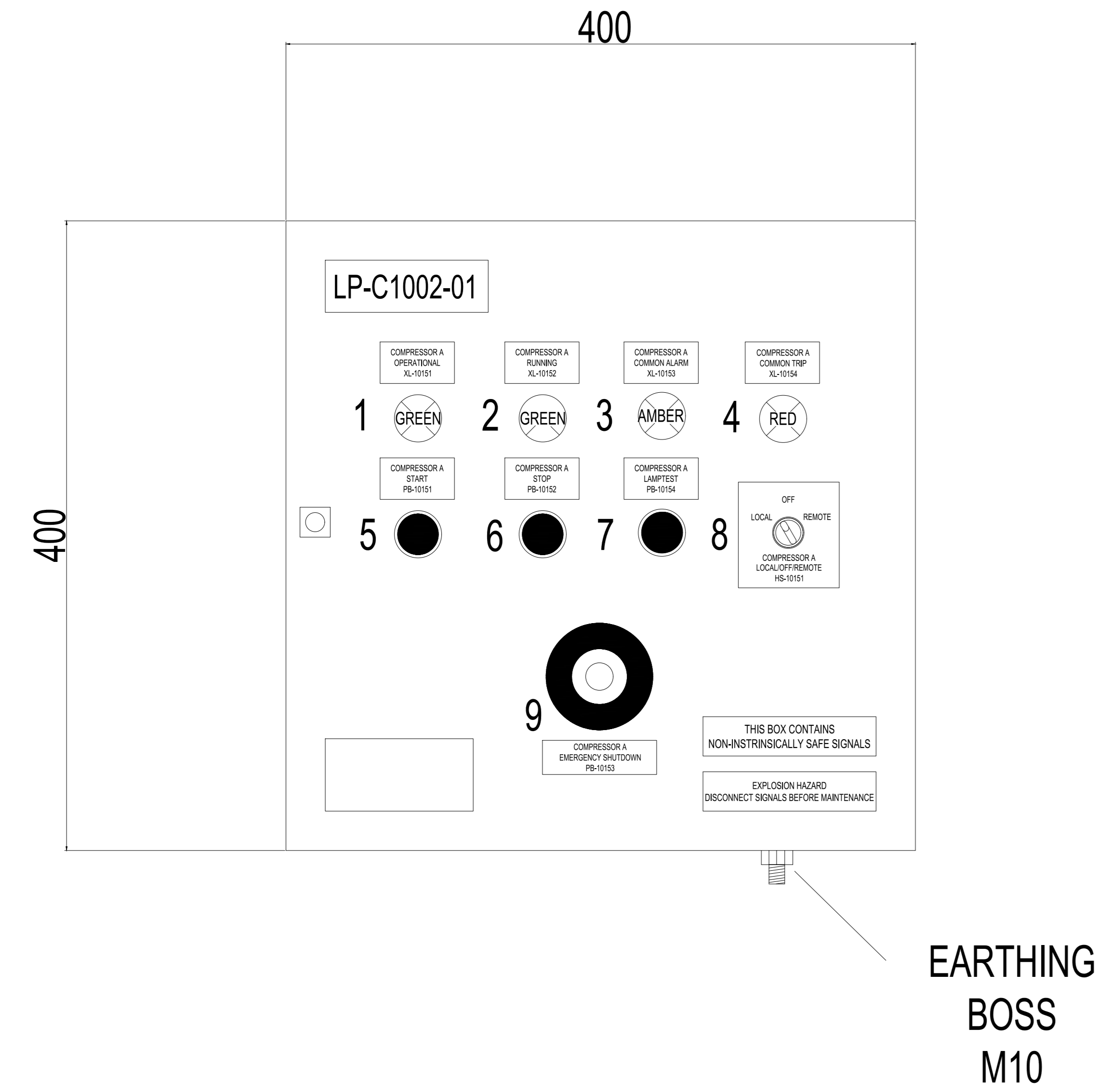
DRAWING TITLE: 17811-07A
UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS BOOSTER INCLUDING BILL OF MATERIALS

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. NO.
OWNER DOC. NO.: BU-20-VD-303-IN-DWG-0039									5 OF 6	05

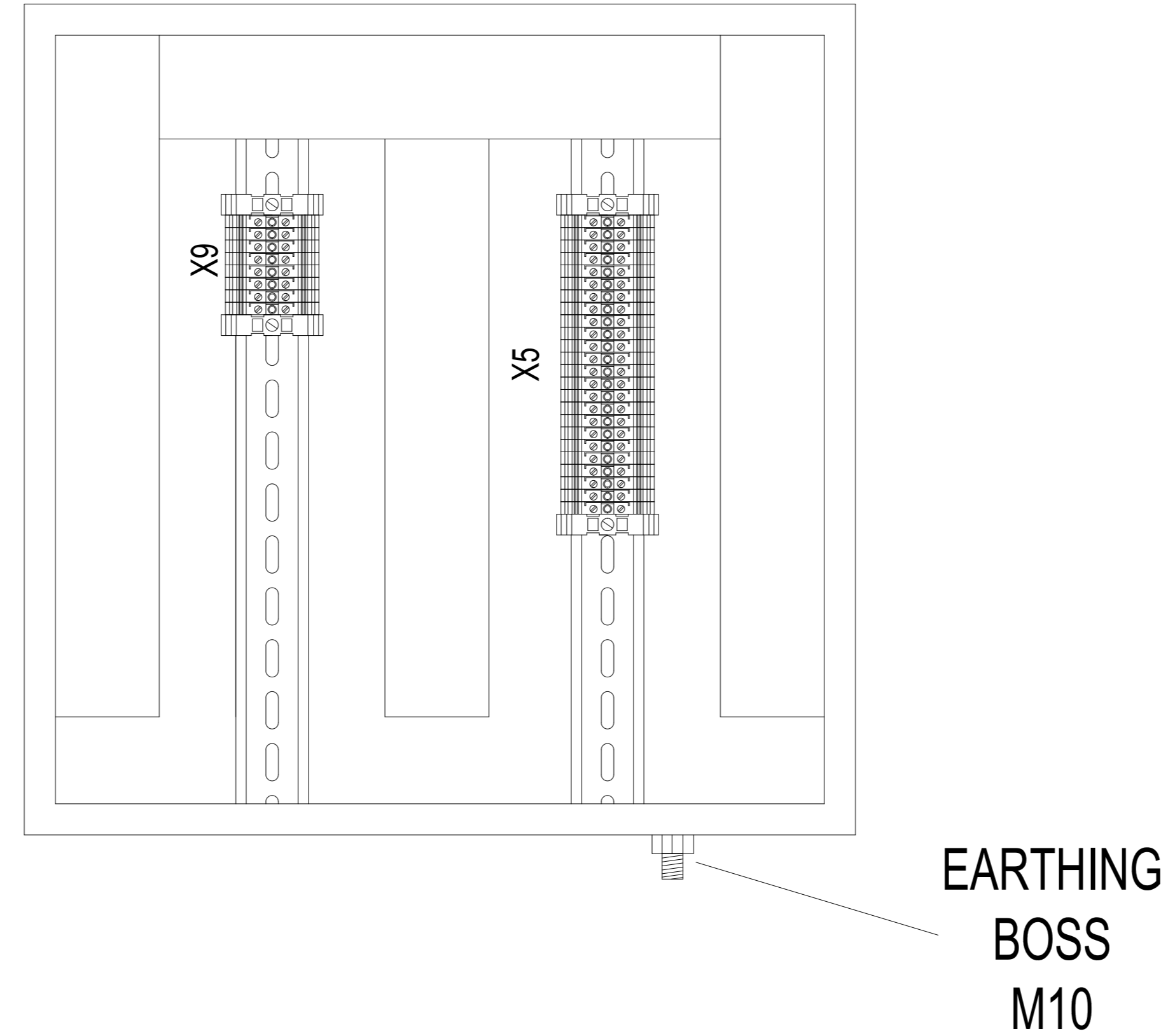
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LP-C1002-01

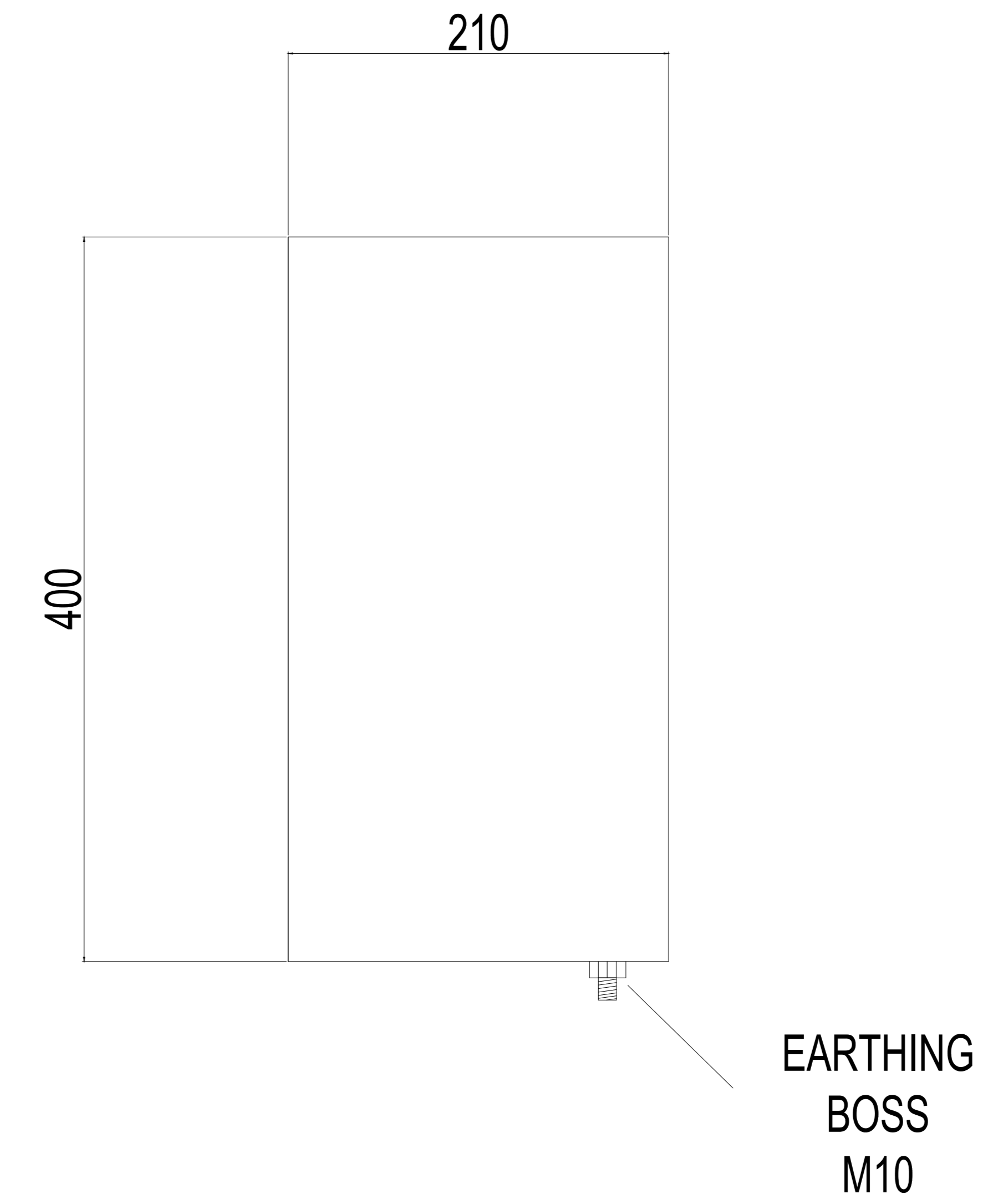
FRONT SIDE (OUTSIDE) VIEW



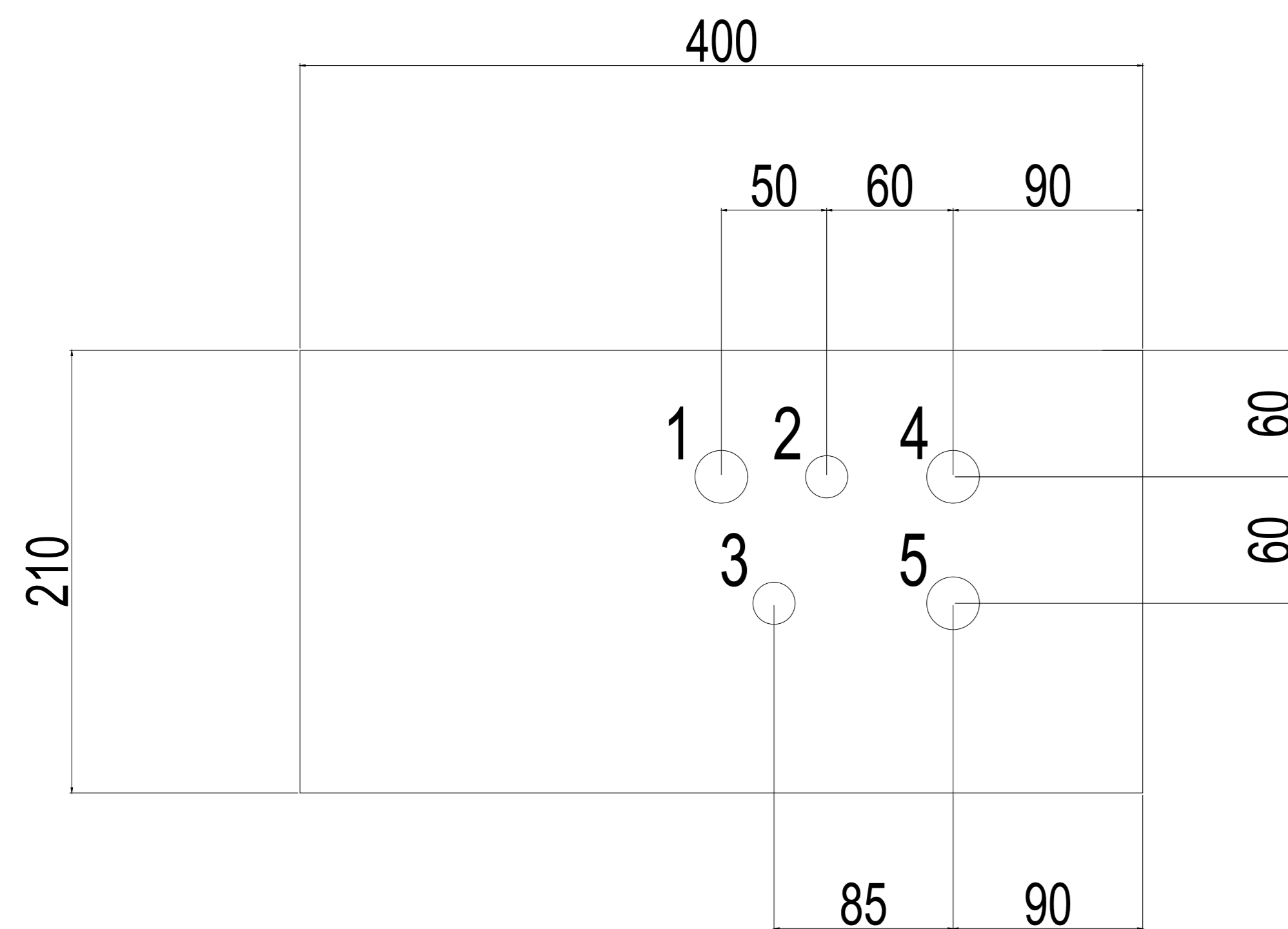
FRONT SIDE (INSIDE) VIEW



SIDE (OUTSIDE) VIEW



BOTTOM VIEW

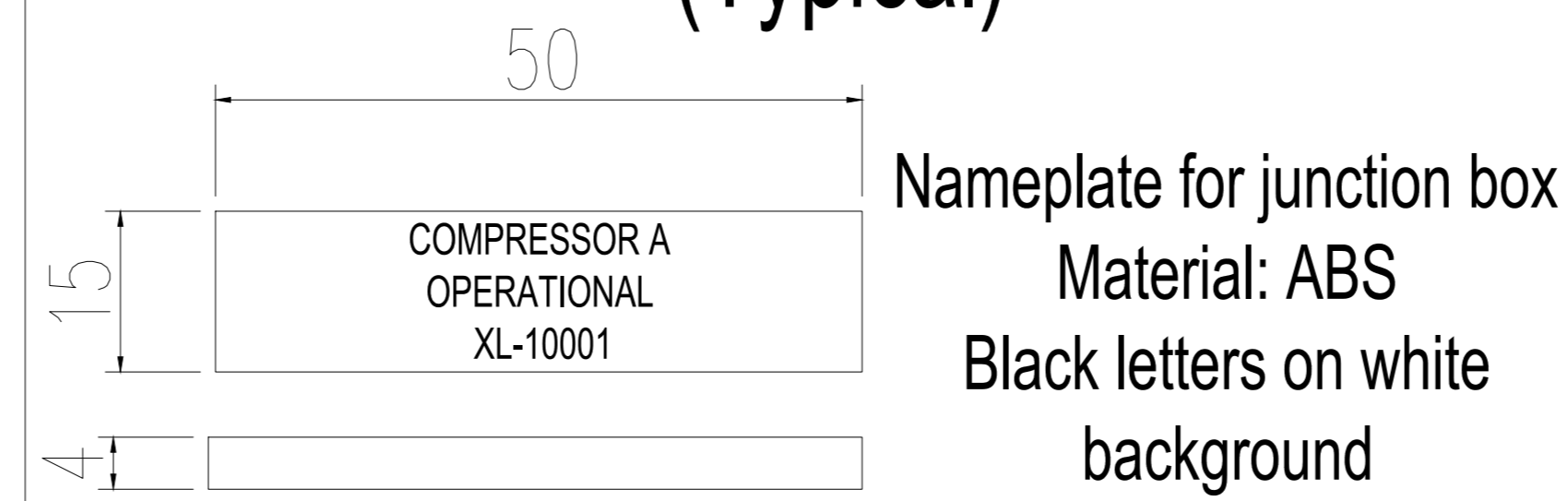


- 1 = ESD multicore cable - M25
- 2 = Spare plug - M20
- 3 = Breather / Drain - M20
- 4 = Pushbutton / Lamps multicore cable - M25
- 5 = Spare plug - M25

GLAND ENTRY DETAILS

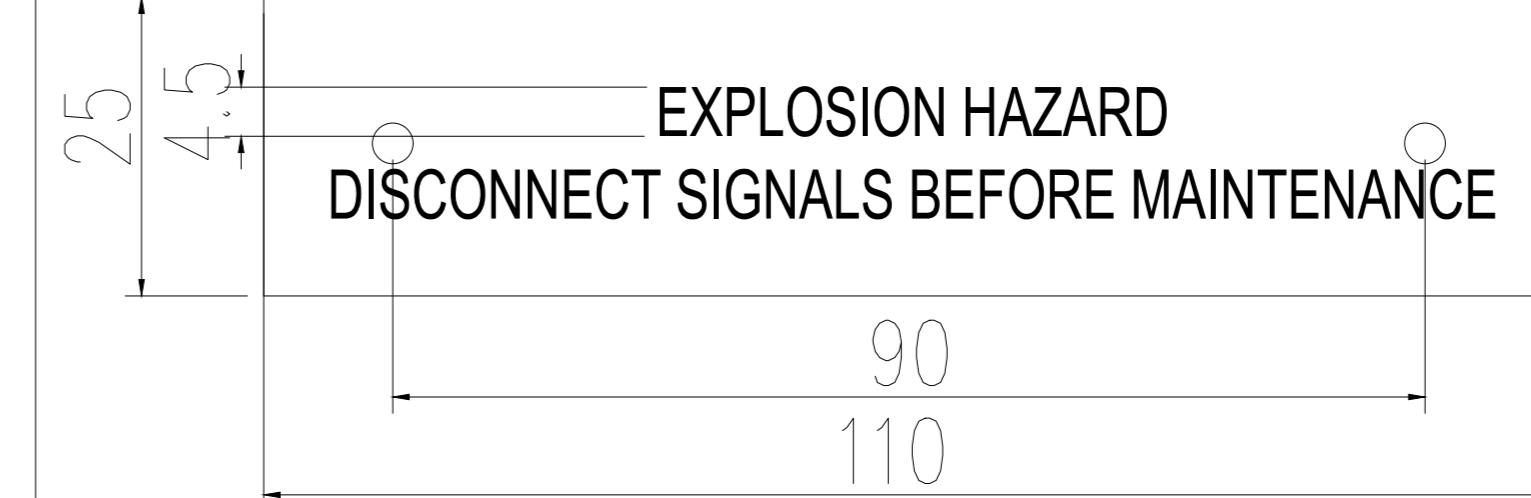
- M20: 1x (Breather)
- M20: 1x
- M25: 3x

Nameplate for components on JB door (Typical)



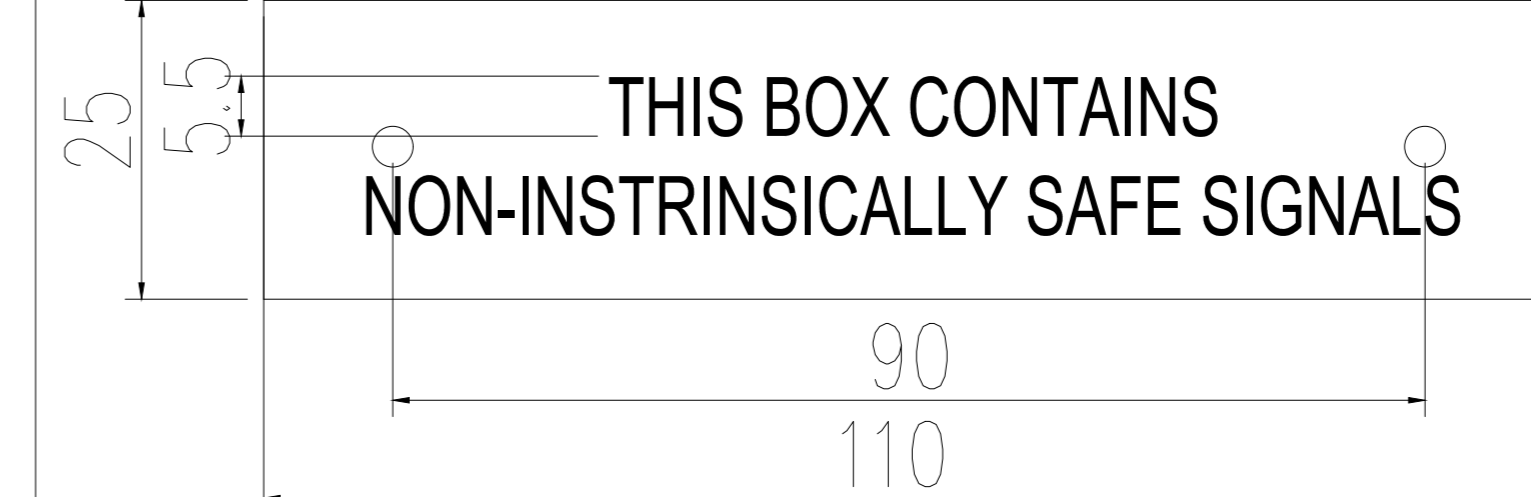
Nameplate for junction box
Material: ABS
Black letters on white background

Nameplate for junction box, ABS
White letters on red background

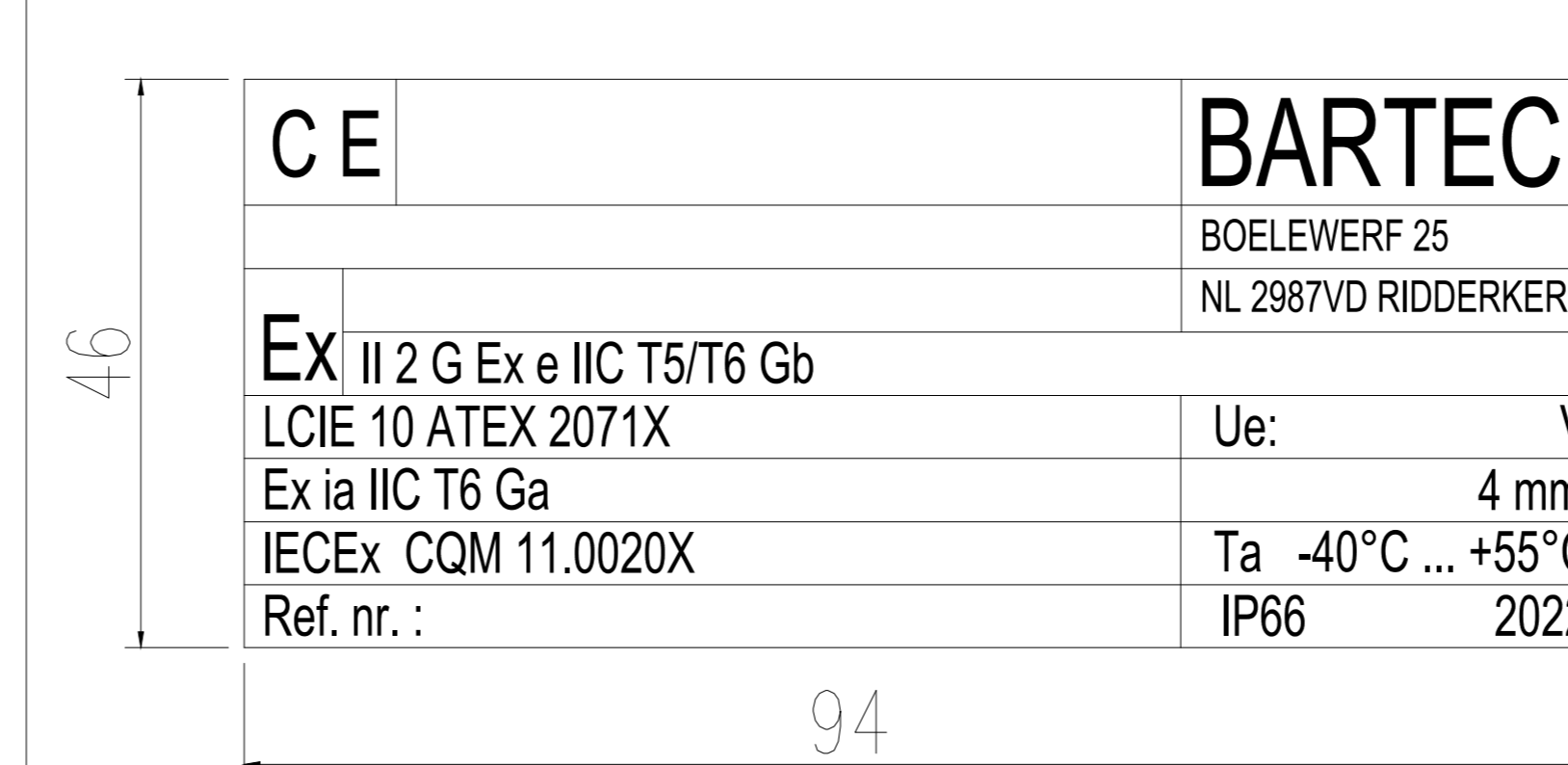


Terminal strip: X5 & X9
Make: Weidmuller
Qty: 24 & 8

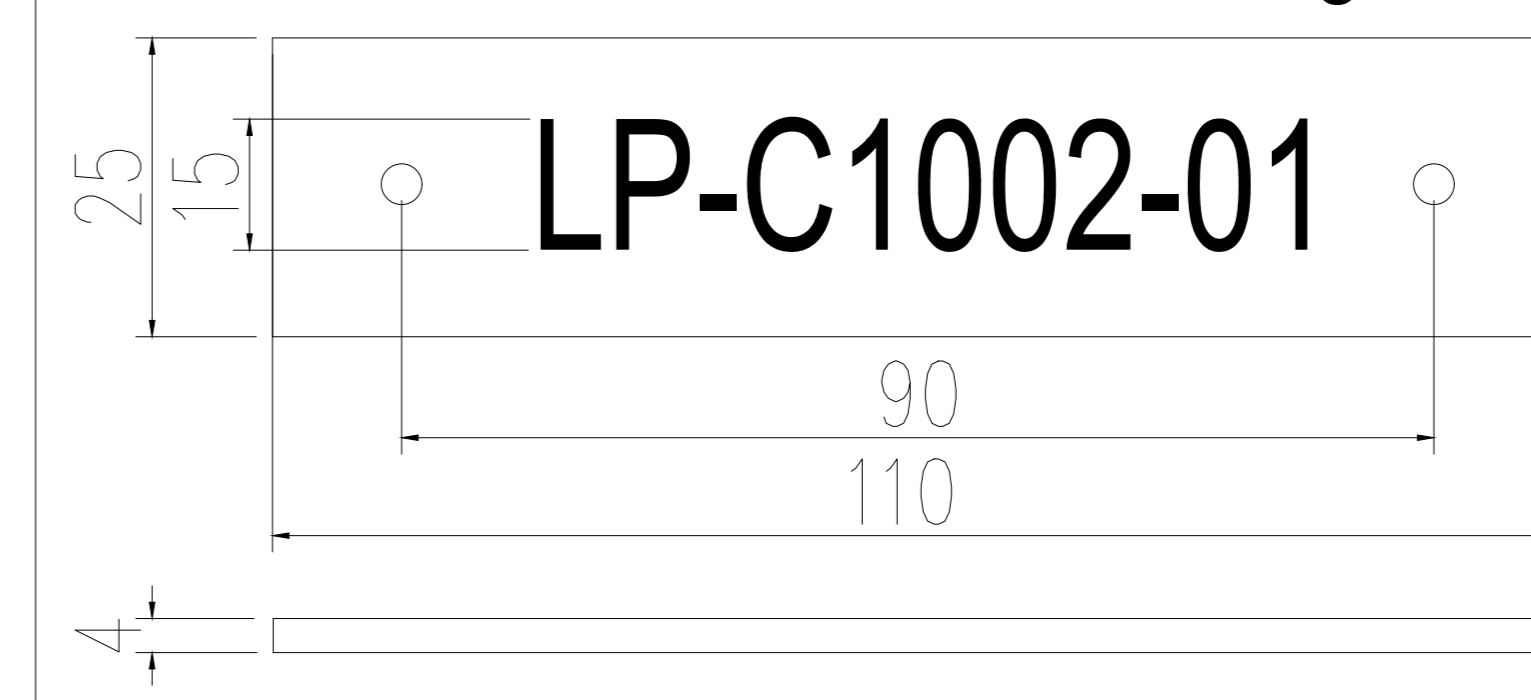
Nameplate for junction box, ABS
White letters on red background



NAMEPLATE, 3:1, SS316 (typical)



Label, 3:1, 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
6. Additional information provided on the nameplate:
 - Protection degree panel
 - Permissible withstanding short circuit current
 - Total weight panel
 - Insulation voltage panel
 - Manufacturer date
 - Panel tag

REFERENCE DRAWINGS	DWG.No.
WIRING DIAGRAM	BU-20-VD-303-IN-DIG-0043

REV.	DATE	PURPOSE OF ISSUE (P.O.I.)	PREP.	CHKD.	APPR.	AC.
05	26/09/22	For approval	RT	RB	RB	I
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03	15/06/22	For approval	BK	RB	RB	I
02	14/12/21	For approval	HT	RB	RB	I
01	18/10/21	For approval	HT	RB	RB	I
00	24/11/20	For approval	HT	RB	RB	I

OWNER:	MC:	CONTRACTOR:

PROJECT: BUSHEHR PETROCHEMICAL COMPANY
NITROGEN GAS BOOSTER INCLUDING BILL OF MATERIALS

DRAWING TITLE: 17811-07A
UCP/LCP/JB GENERAL ARRANGEMENT DRAWING & TERMINAL DETAILS FOR NITROGEN GAS BOOSTER INCLUDING BILL OF MATERIALS

CONTRACT NO.	SCALE	SIZE	CLASS	PHASE		
52-98/445	XX	A0	1	P		
DOCUMENT NO.	PROJECT AREA	PHASE MRO No.	DIS.	DOC. SEQ.	SHEET NO.	REV. NO.
OWNER DOC. NO.: BU-20-VD-303-IN-DWG-0039	BU-20-VD-303-IN-DWG-0039				6 OF 6	05