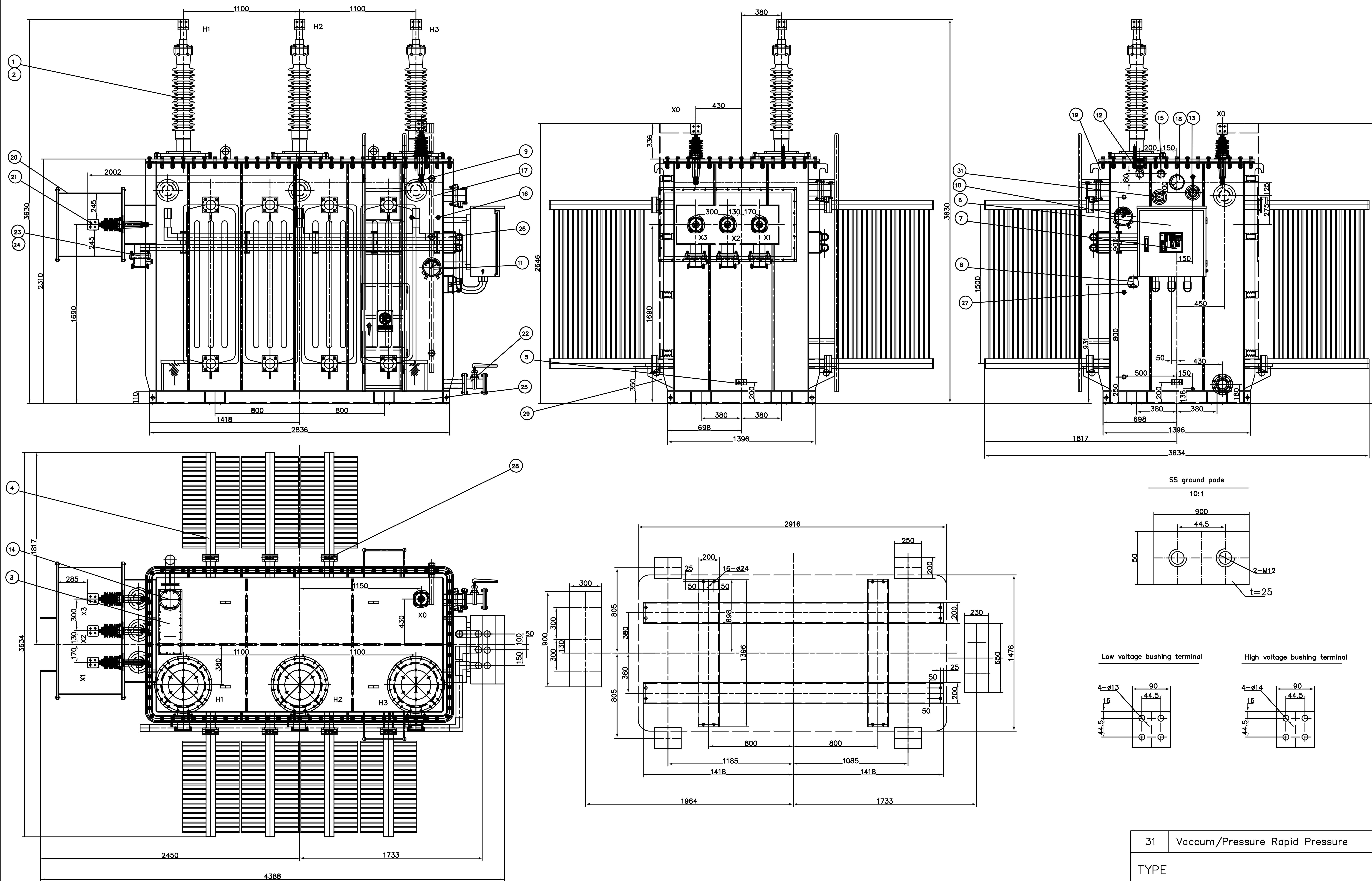




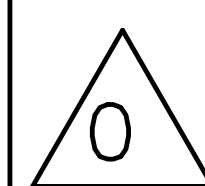
ITEM		WEIGHT(Kg)
TANK & ACCESORIES		6050
TOTAL OIL WEIGHT		4350
TOTAL WEIGHT		22000
TECHNICAL DATA		
RATING		12000kVA
PRIMARY VOLTAGE		66000V
SECONDARY VOLTAGE		12470Y/7200V
FREQUENCY		60Hz
VECTOR GROUP		Dyn1
WINDING MATERIAL		COPPER
LOAD LOSS AT RATED VOLTAGE		58000W
NO LOAD LOSSES		12000W
IMPEDANCE(ONAN)		6.5%
ALTITUDE		≤1000m
No. OF TAPPOSITION		5
COLOR		Gray 70
ITEM	FITTINGS AND DESCRIPTIONS	QTY
1	HV BUSHING BRDLW-72.5/630	3
2	HV BUSHING CT 150/5 C200	3
3	Welded cover with bolted manhole	1
4	RADIATORS(PC1500-20/520)	7
5	SS ground pads	2
6	Terminal box	1
7	NAME PLATE.	1
8	TAP CHANGER,QUALITY USA	1
9	Ladder	1
10	Winding temperature indicator BWR-04	1
11	Dial type thermometer BWY-803A	1
12	1.0" upper fill plug with filter press connection	1
13	Core Ground Bushing Assembly	1
14	Cover-mounted automatic pressure relief device YSF-35/80	1
15	Pressure/vacuum gauge	1
16	POCKET	1
17	Ground copper bar 4*40	
18	Liquid level gauge YZF-140	1
19	Lifting lugs	4
20	Low voltage cable box	1
21	LV BUSHING (15KV 833A)	4
22	2.0" drain valve with sampling device	1
23	LV(X0) CT 800/5 C200	4
24	CT box	7
25	Base	1
26	Explosion--proof wireway	3
27	Oil sample valve	3
28	Butterfly valve DN-80	14
29	Jack	4
30	Drain valve	1

31	Vaccum/Pressure Rapid Pressure	1	30	Drain valve	1
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TYPE	DWG. NAME
S11-12000KVA/66/12.47kV	General Assembly Drawing

DRAWN	CHECKED	CHECKED		APPROVED	FIRST ANGLE PROJECTION	SCALE	1	2021.1.17
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1LD.710.201012T

REV.
NO.2

NOTE:

- 1.ALL DIMENSIONS ARE IN MILLIMETERS
- 2.MATERIAL: STAINLESS STEEL
- 3.THICKNESS :1mm
- 4.LETTER COLOR: BLACK

310

SUBSTATION TRANSFORMER

Standards
IEEE C57.12.00-2015
IEEE C57.12.28-2014
IEEE C57.12.36-2017
IEEE C57.12.70-2011
IEEE C57.12.90-2010
IEEE C57.154 -2012
IEEE 386-2006
CSA C88

Product Type S11-12000/66/12.47
Product Code 1LD.710.2010012T
Number of Phases 3
Rated Frequency 60Hz
Cooling Means ONAN
Environmental Conditions Outdoor
Insulation Level:

H.V BIL: 325 kV

L.V BIL: 95 kV

Vector Group Dyn1

Impedance %

Active Part kg

Weight of Oil kg

Total weight kg

Serial NO.

Manufacture On .

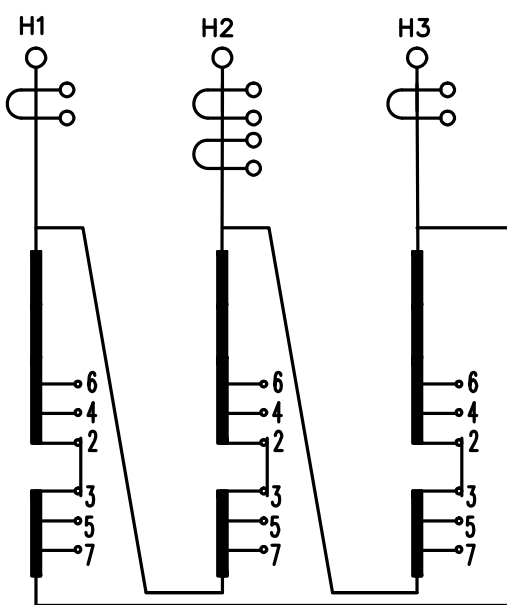
Note:

Open circuit operation of CT
winding is not allowed

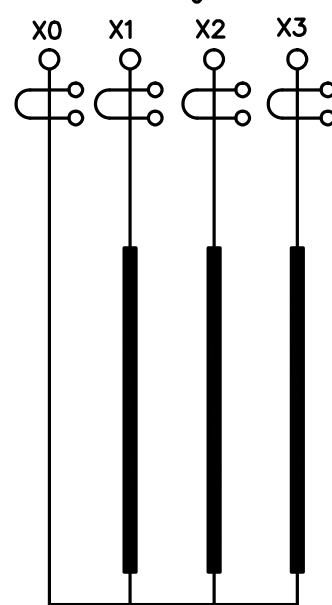
Tapping Range	H.V		L.V	
	Voltage (V)	Current (A)	Voltage (V)	Current (A)
1 +5 %	69300	99.97	12470	555.59
2 +2.5 %	67650	102.41		
3 Rated	66000	104.97		
4 -2.5 %	64350	107.66		
5 -5 %	62700	110.50		

H.V CT			L.V CT		
150/5	C200	1S1-1S3	800/5	C200	1S1-1S3
300/5	0.5/10VA	2S1-2S2			
			L.V Nuetral CT		
			800/5	C200	1S1-1S3

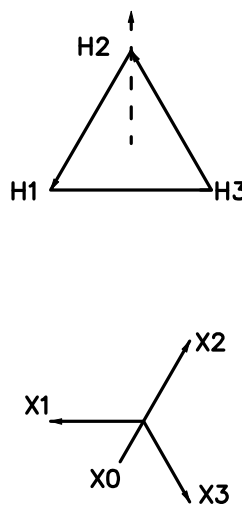
H.V wiring
schematic diagram



L.V wiring
schematic diagram



Vector graph



TRITON TRANSFORMER CORPORATION
WWW.TRITONTRANSFORMER.COM

LD.710.2010012T

CHANGE

TYPE
S11-12000/66/12.47

FIRST ANGLE
PROJECTION

SCALE

1

5



DWG. NAME
Nameplate

DRAWN

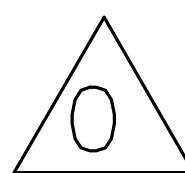
CHECKED

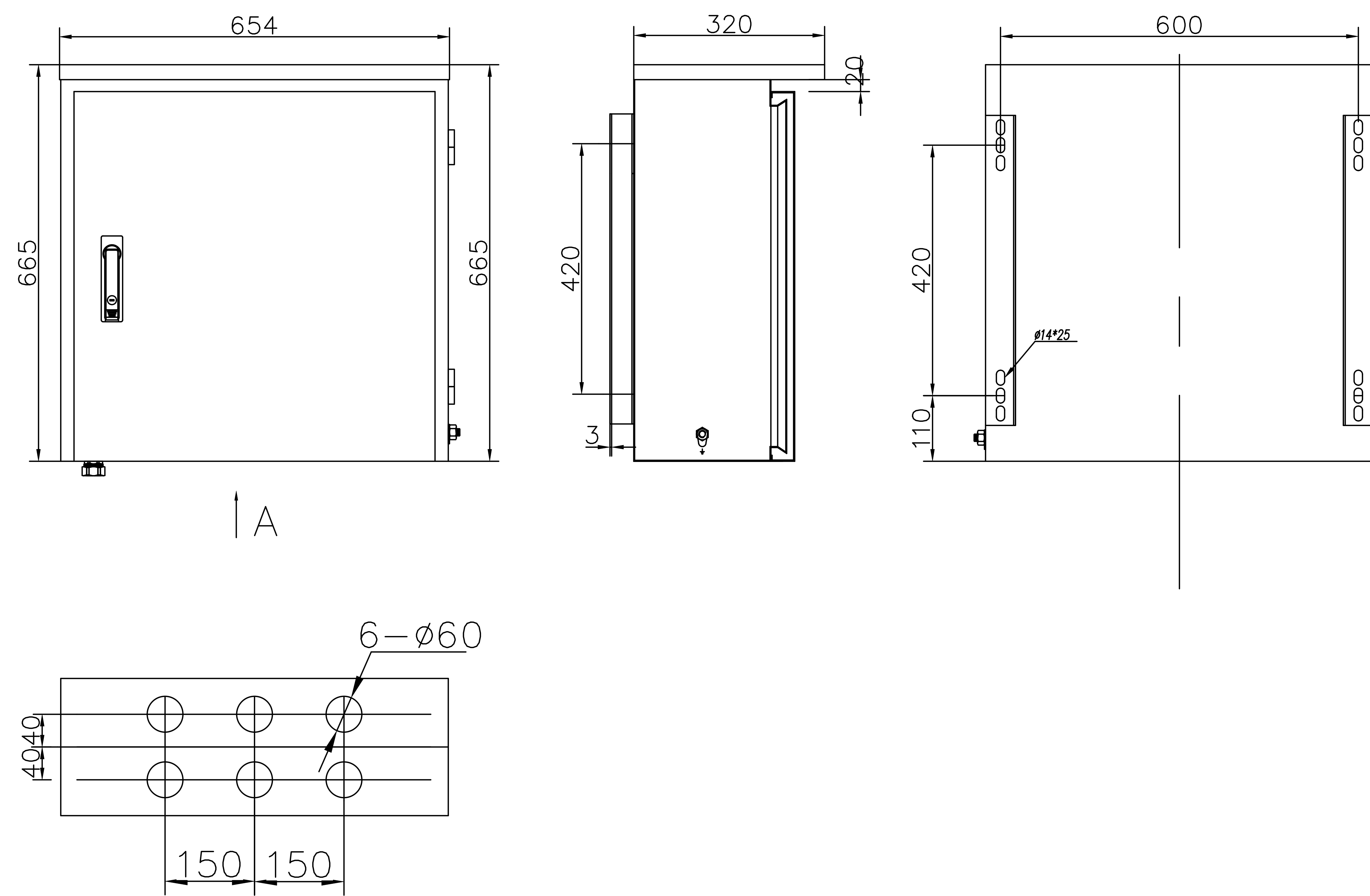
CHECKED

APPROVED

8LD.860.2010012T

REV.
NO.2



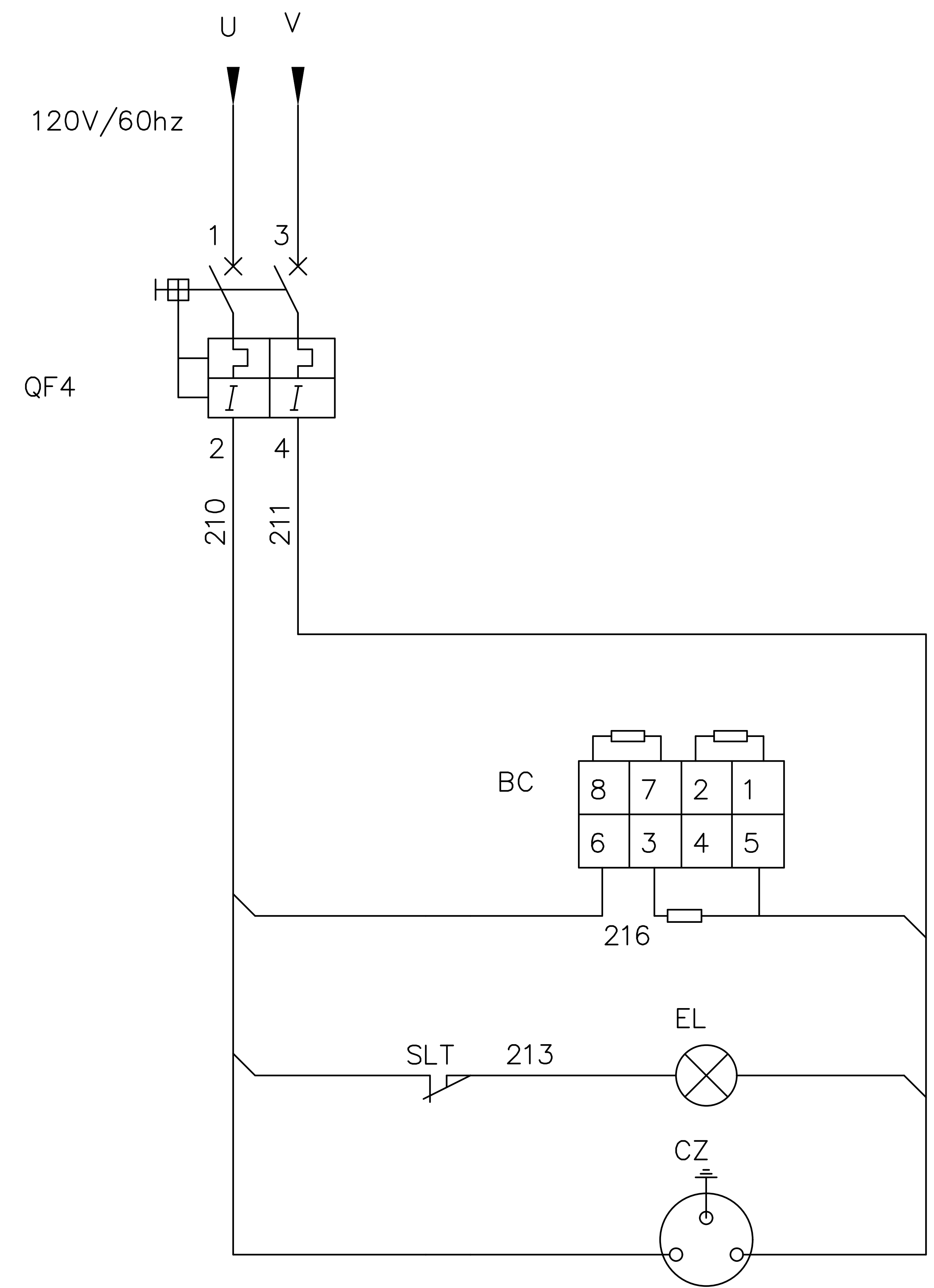


Technical conditions

1. The control box is wall mounted.
2. The material of the control box is 2.0mm stainless steel plate.
3. The protection grade of this control box is NEMA 4X .

Outline drawing of control box	BDKF—MX2F—01			
	Mark	Weight	Ratio	
	A3			
	Total		page	

Heating and lighting circuit



Main Circuit

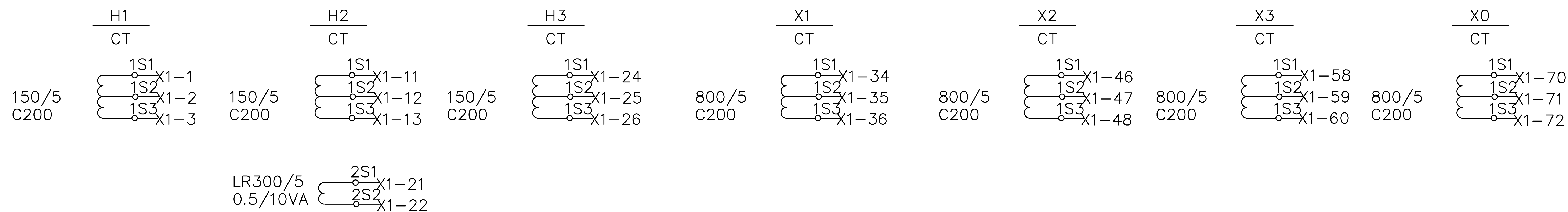
BDKF-MX2F-02

Mark WeightRatio

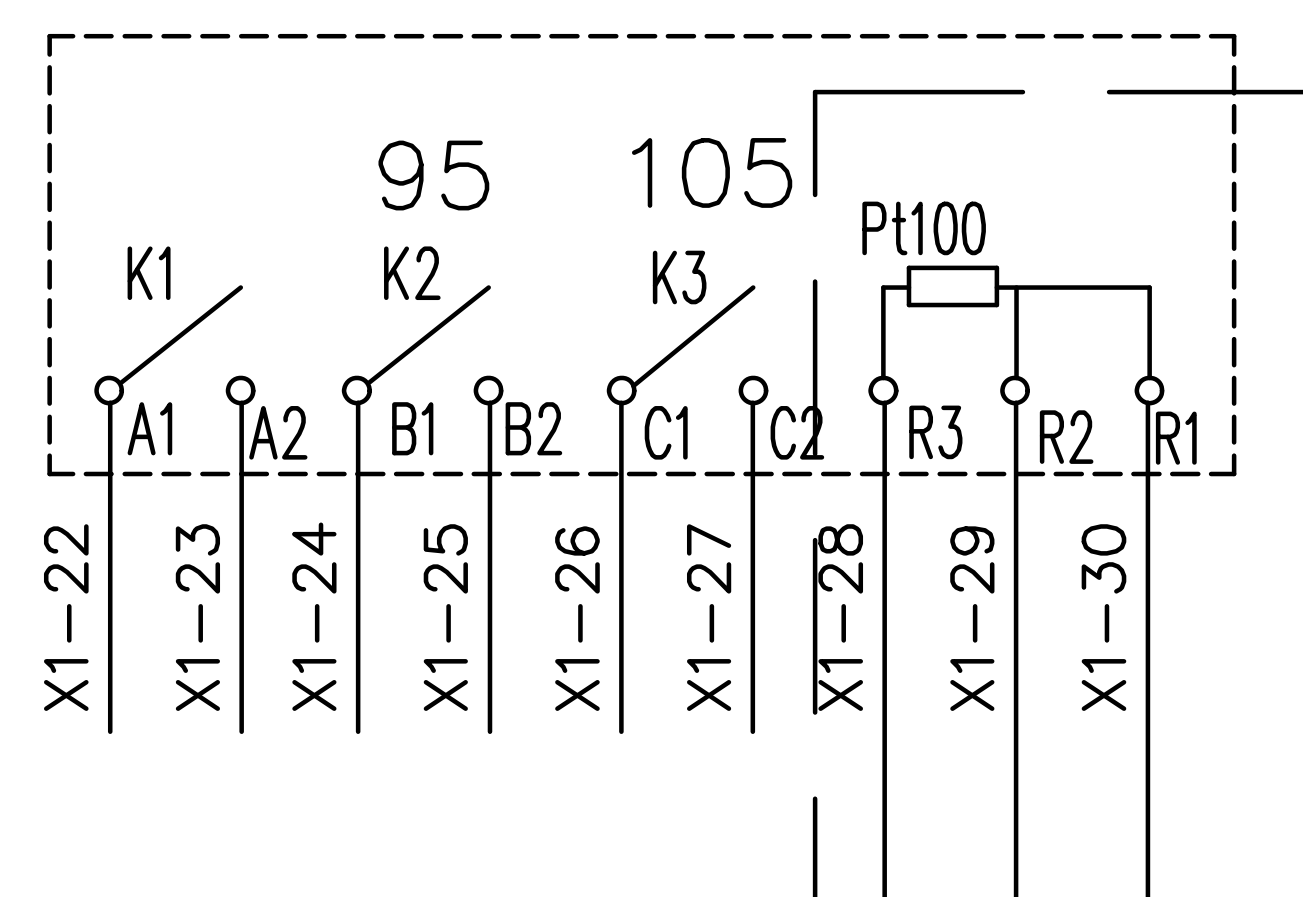
A3

Total Page

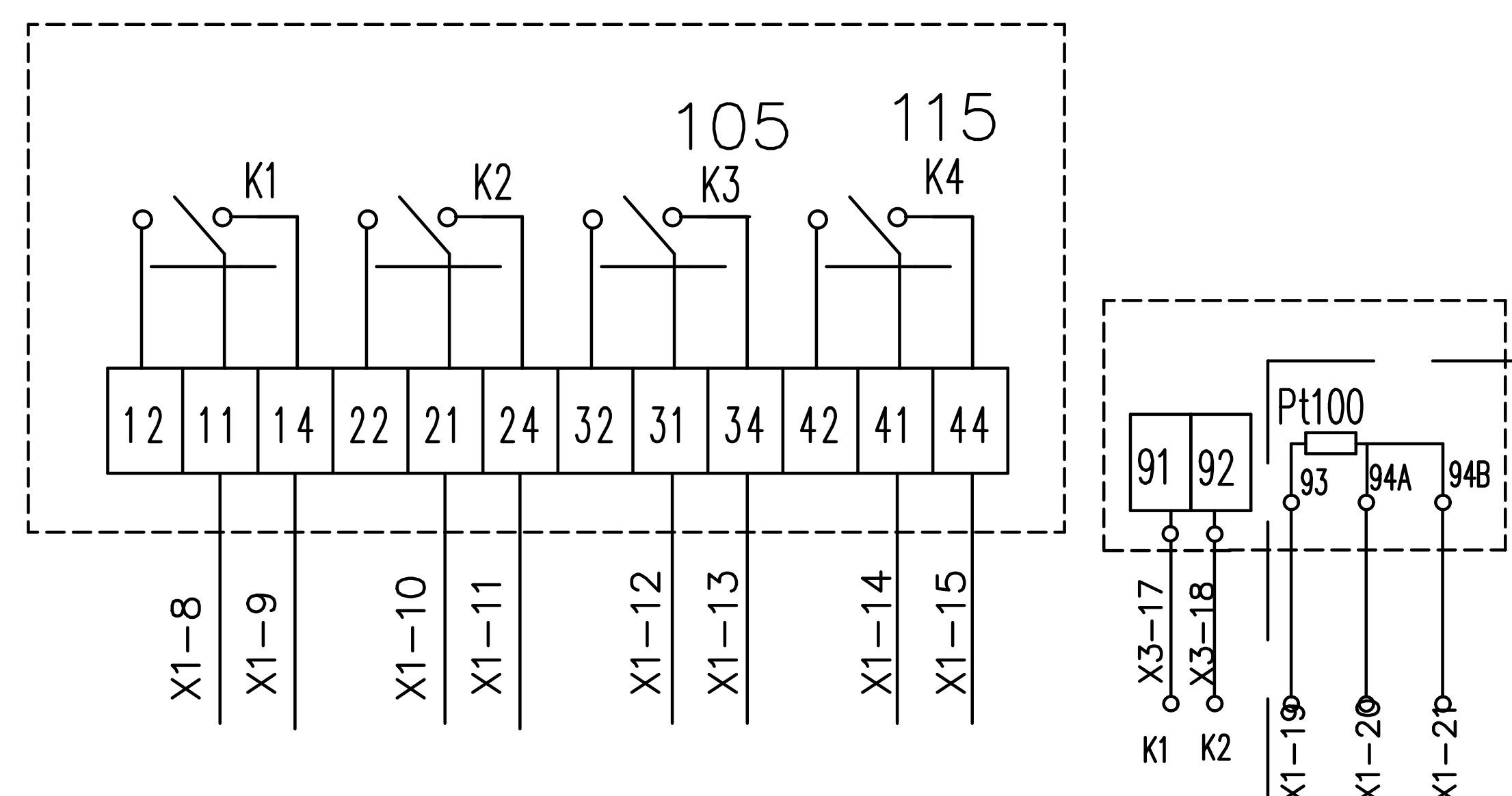




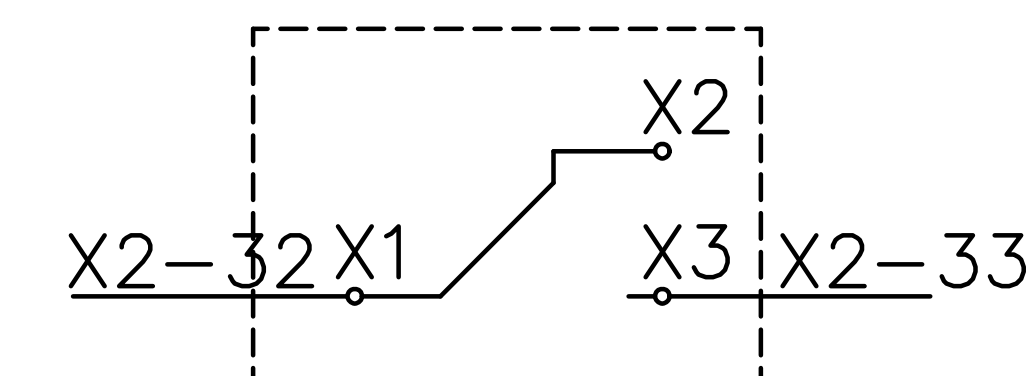
Oil level thermostat: BWY-803A



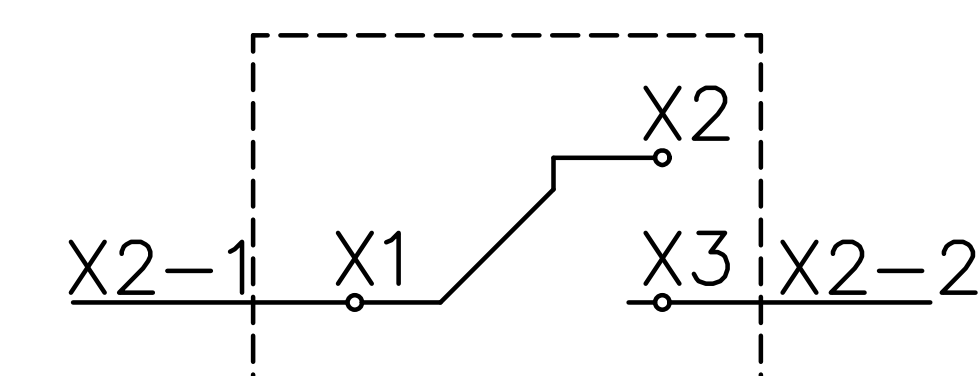
Winding thermometer BWR-4



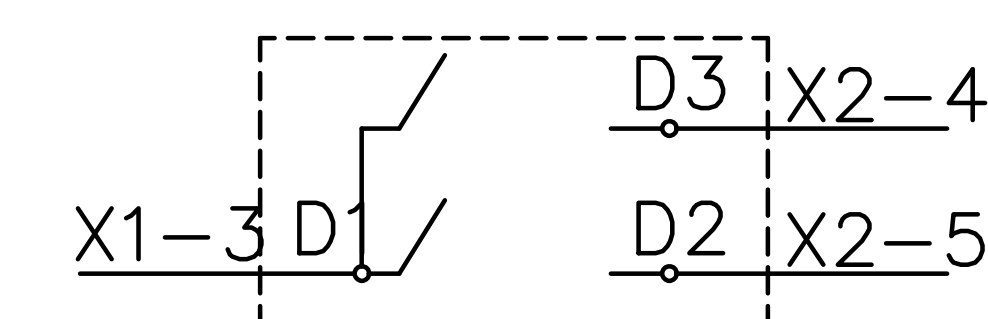
Vaccum/Pressure Rapid Pressure



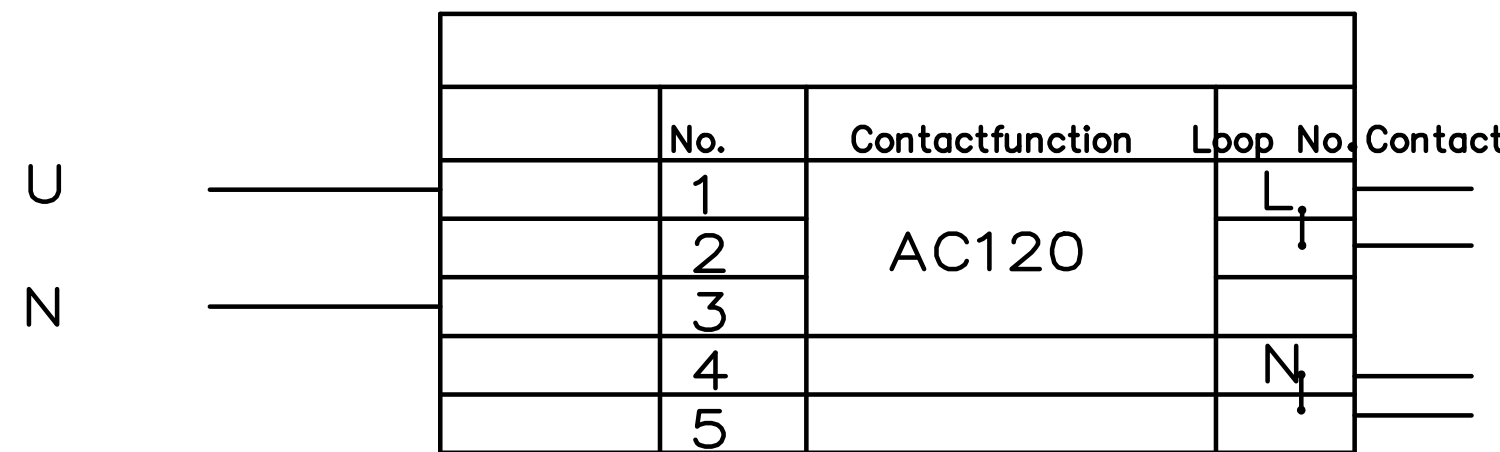
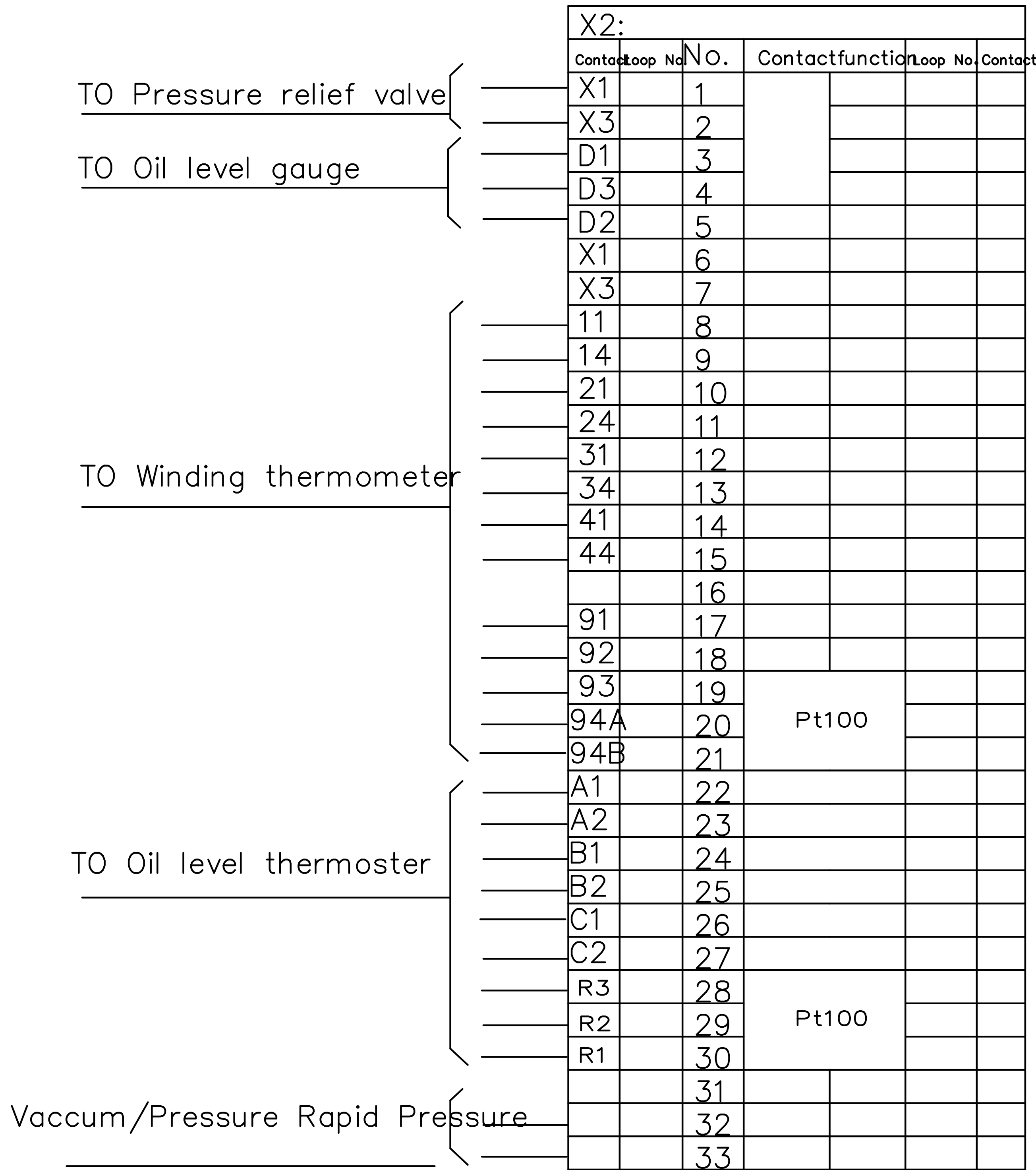
Pressure relief valve



Oil level gauge



Electrical principle	BDKF-MX2F-03				
	Mark	WeightRatio			
	A3				
	Total		Page		



TO Winding thermometer

