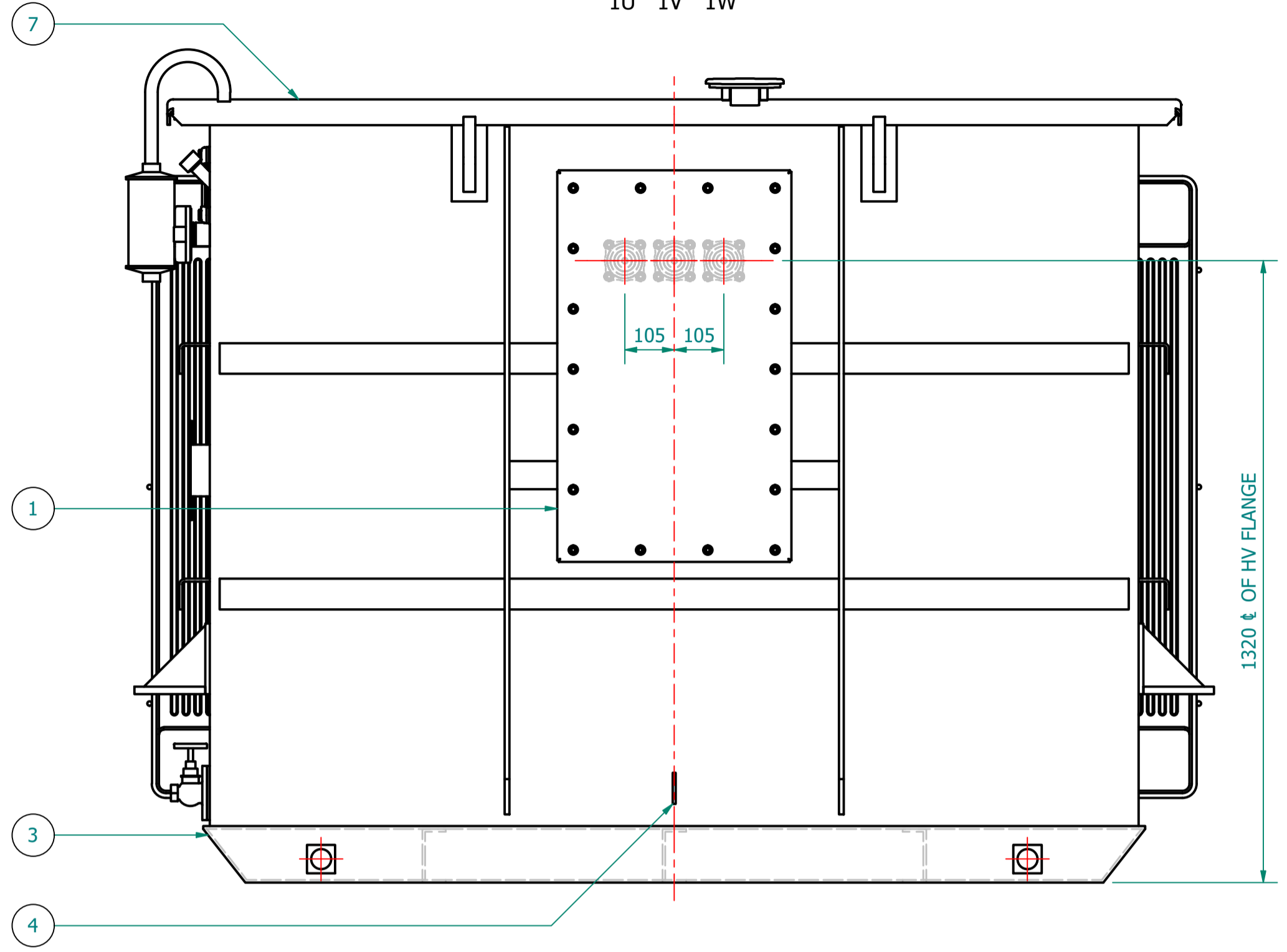
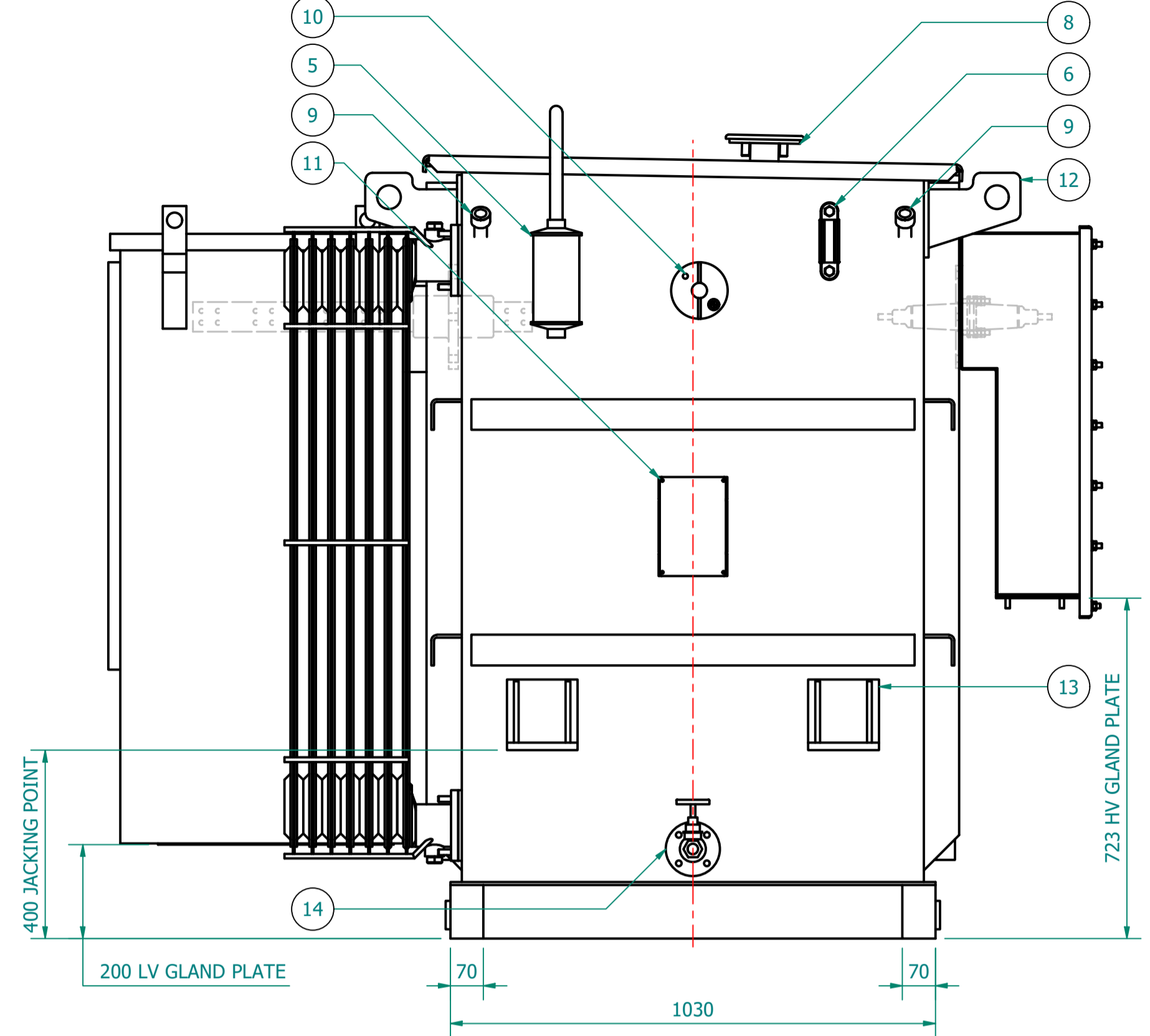


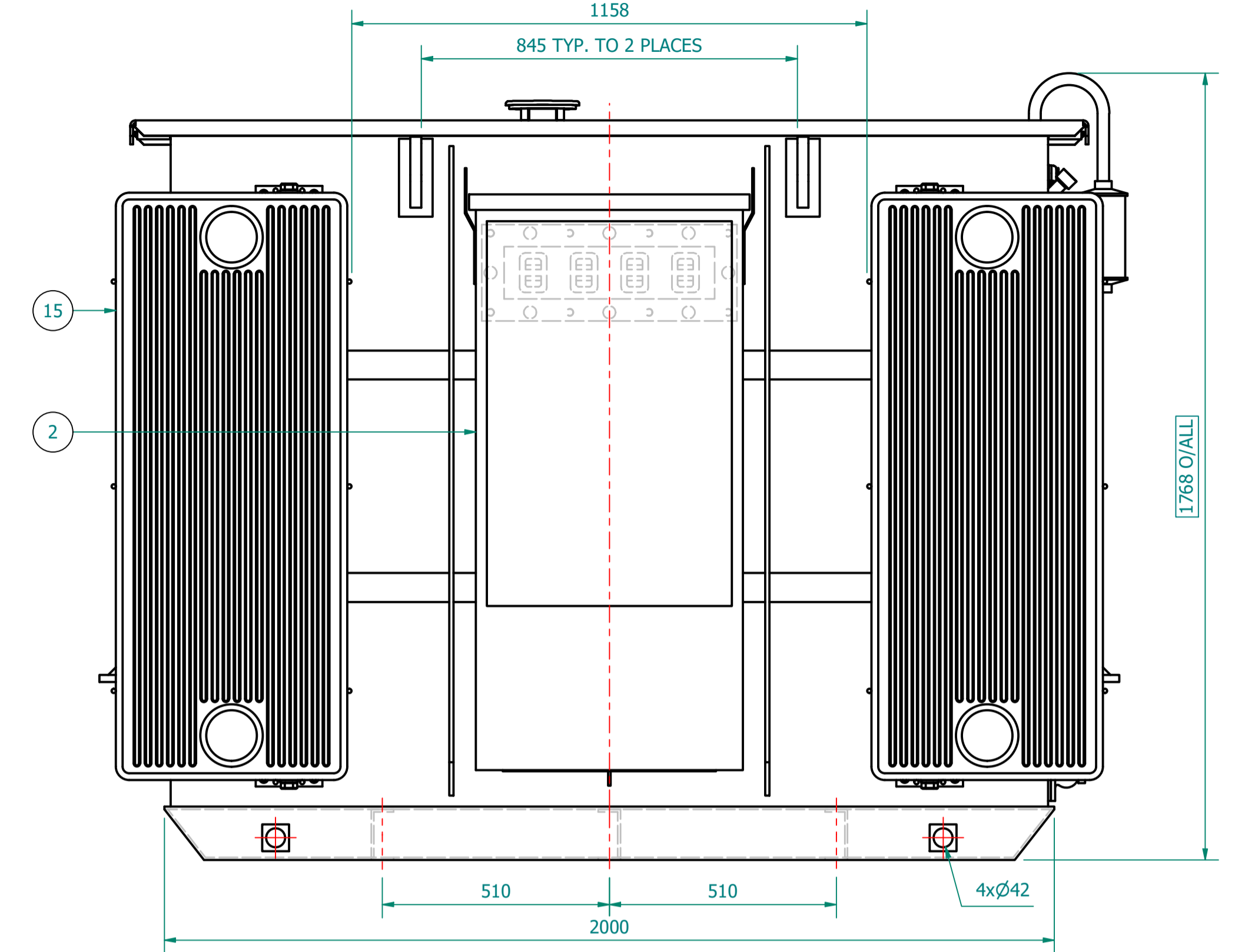
VIEW ON HV SIDE
PHASE ROTATION
1U 1V 1W



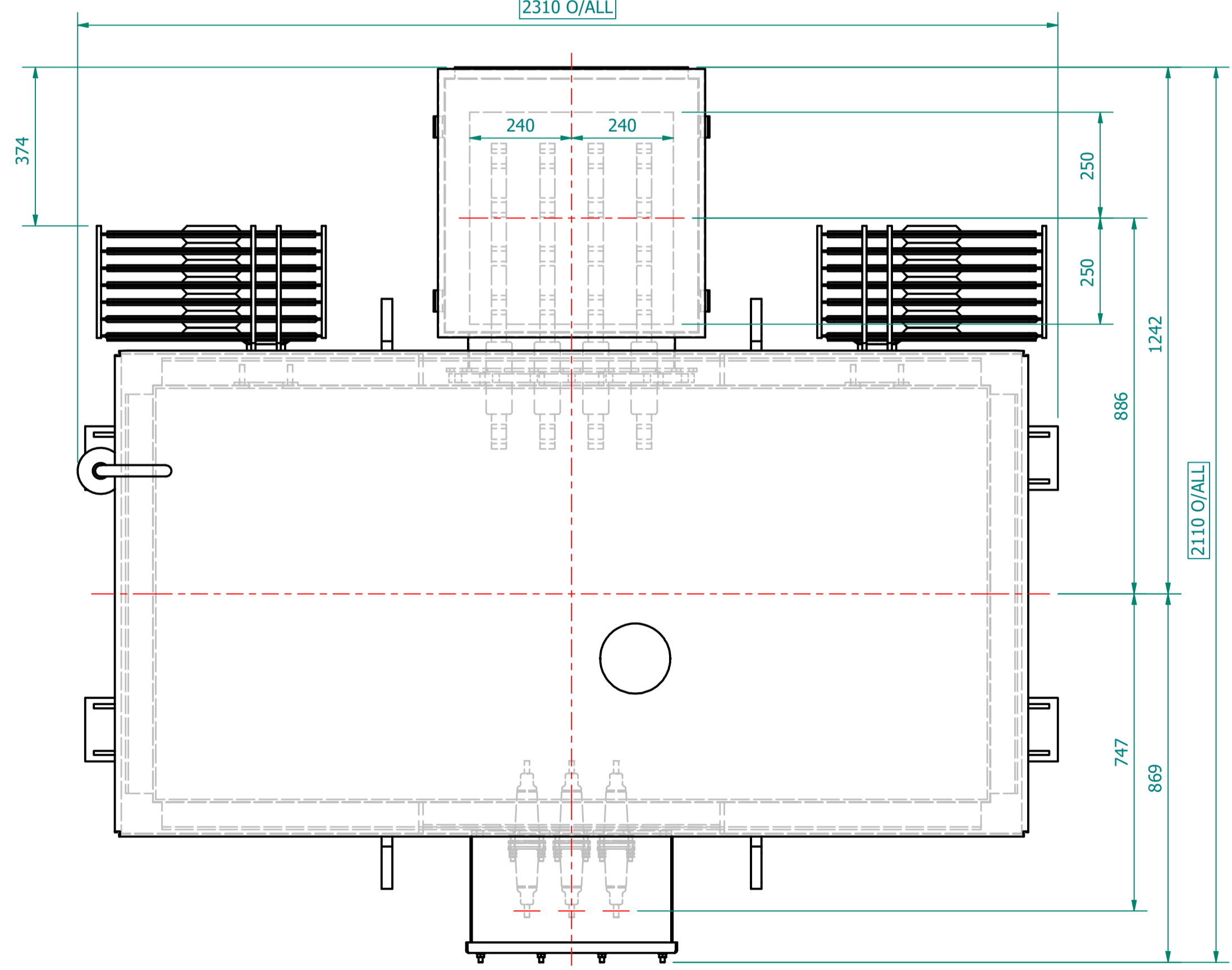
VIEW ON TAP SWITCH END



VIEW ON LV SIDE
PHASE ROTATION
2W 2V 2U 2N
1158



PLAN VIEW
2310 O/ALL



GENERIC LV CABINET SHOWN.
SIZES MAY CHANGE.
FINAL DESIGN MAY REQUIRE SEPARATION
FROM THE TX FOR TRANSPORTATION.



TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	4700
TANK AND FITTING	kg	1350
COOLING LIQUID VOLUME	L	1658
COOLING LIQUID WEIGHT	kg	1350
TOTAL TX WEIGHT	kg	7400
ADDITIONS TO THE TRANSFORMER WEIGHT		
LV CABINET	Kg	-----

2000kVA ELECTRICAL RATINGS					
No Load Voltage Ratio at Normal Tap	HV Tappings	Vector Group	Frequency	Full-Load Current at Normal Tap	
				HV Side	LV Side
11000 / 415V	+7.5 to -5.0% IN 2.5% INCREMENTS	Dyn11	50Hz	104.972A	2782.41A
Design Impedance at Normal Tap	No Load Losses at rated Voltage & Frequency	Full Load Losses at rated Current & at 75°C Temp.	Temp. Rise above Ambient 40°C		
			in Oil by Therm.		in Wdg. by Res.
6.0%	815W	11475W	60°C	65°C	

ITEM	QTY	DESCRIPTION
15	2	DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 75 x 40P)
14	1	DRAIN VALVE (25NB) with MALE PLUG
13	4	JACKING PADS
12	4	TRANSFORMER LIFTING LUGS
11	1	RATING & DIAGRAM PLATE (SS)
10	1	OFF-CIRCUIT TAP SWITCH (6-Position & Padlockable)
9	2	THERMOMETER POCKET (3/4" BSP MALE THREAD)
8	1	OIL FILLING PIPE WITH FLANGED COVER
7	1	TOP COVER with LIFTING LUGS (x2)
6	1	OIL LEVEL GAUGE (with 15°) COLD OIL LEVEL MARK
5	1	SILICA GEL BREATHER TYPE R1
4	2	EARTHING TERMINAL (FLAT TYPE suitable for M12 Bolt)
3	1	TRANSFORMER BASE (SKID TYPE) c/w HAULAGE HOLES & BRACING
2	1	LV CABINET, BOTTOM ENTRY, GENERIC MODEL - SUBJECT TO CHANGE (FACING-'F', BS:2562)
1	1	HV CABLE BOX - 12KV, 3-POLE, HEAT-SHRINK INSULATION, (FACING-'E' BS:2562) SUITABLE FOR 1 x 3c CABLE - MAX. 185mm.sq

- GENERAL NOTES
- ALL DIMENSIONS ARE IN 'mm'.
 - ALL DIMENSIONS/WEIGHTS ARE SUBJECT TO ± 10% TOLERANCE.
 - ELECTRONIC SCALE - 1:1 (ONLY WRITTEN DIMENSIONS TO BE FOLLOWED).
 - TOLERANCE ON IMPEDANCE PER IEC:60076.
 - PAINT SHADE.: 632 As PER BS:381C (SEMI GLOSS) TO ISO12944 - MIN C4H SPEC.
 - O/ALL DIMS ARE SUBJECT TO EQUIPMENT DOOR OPENING DISTANCES.

ESSENTIAL LABELS

- ITEM 10 TAP CHANGER WARNING LABEL
- ITEM 6 C.O.L. 15°C COLD COOLANT LEVEL
- ITEM 2 LV WARNING LABEL
- ITEM 1 HV WARNING LABEL

HV TERMINAL DETAILS (01)		
0 - 250A	A = M12	20 NM
251 - 400A	A = M16	25 NM

IF IN DOUBT - ASK. REMOVE ALL SHARP EDGES. DO NOT SCALE. DRAWING NOT TO SCALE

REV	REV BY	VERIFIED	APPROVED	DESCRIPTION

REVISION	DESCRIPTION	REV	PROJECT
00	ORIGINAL	00	

PROJECT	CUSTOMER	S.O. NUMBER	P.O. NUMBER	W.O. NUMBER

DRAWING TITLE: GENERAL ARRANGEMENT DRAWING FOR 2000kVA WILSON e4 AMORPHOUS ULTIMATE LOW LOSS 11000/415V, 50Hz, Dyn11, ONAN AL WOUND DISTRIBUTION TRANSFORMER LV CABINET

DRAWN BY: J. NOVO
DATE: 26/06/2024
DRAWING NO.: WPS-E4-2000-AL-A001

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WILSON POWER SOLUTIONS

SHEET 1 OF 1