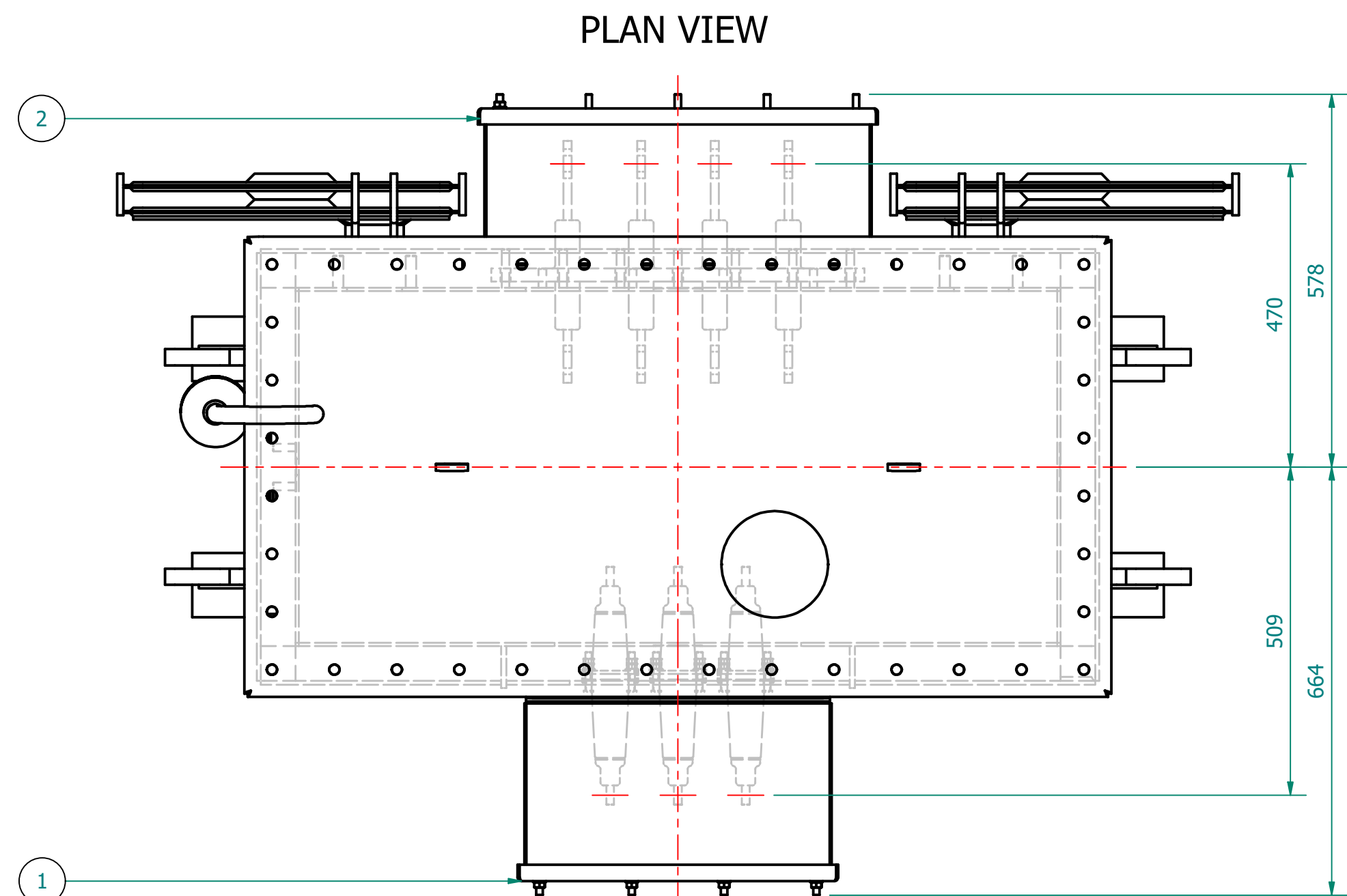
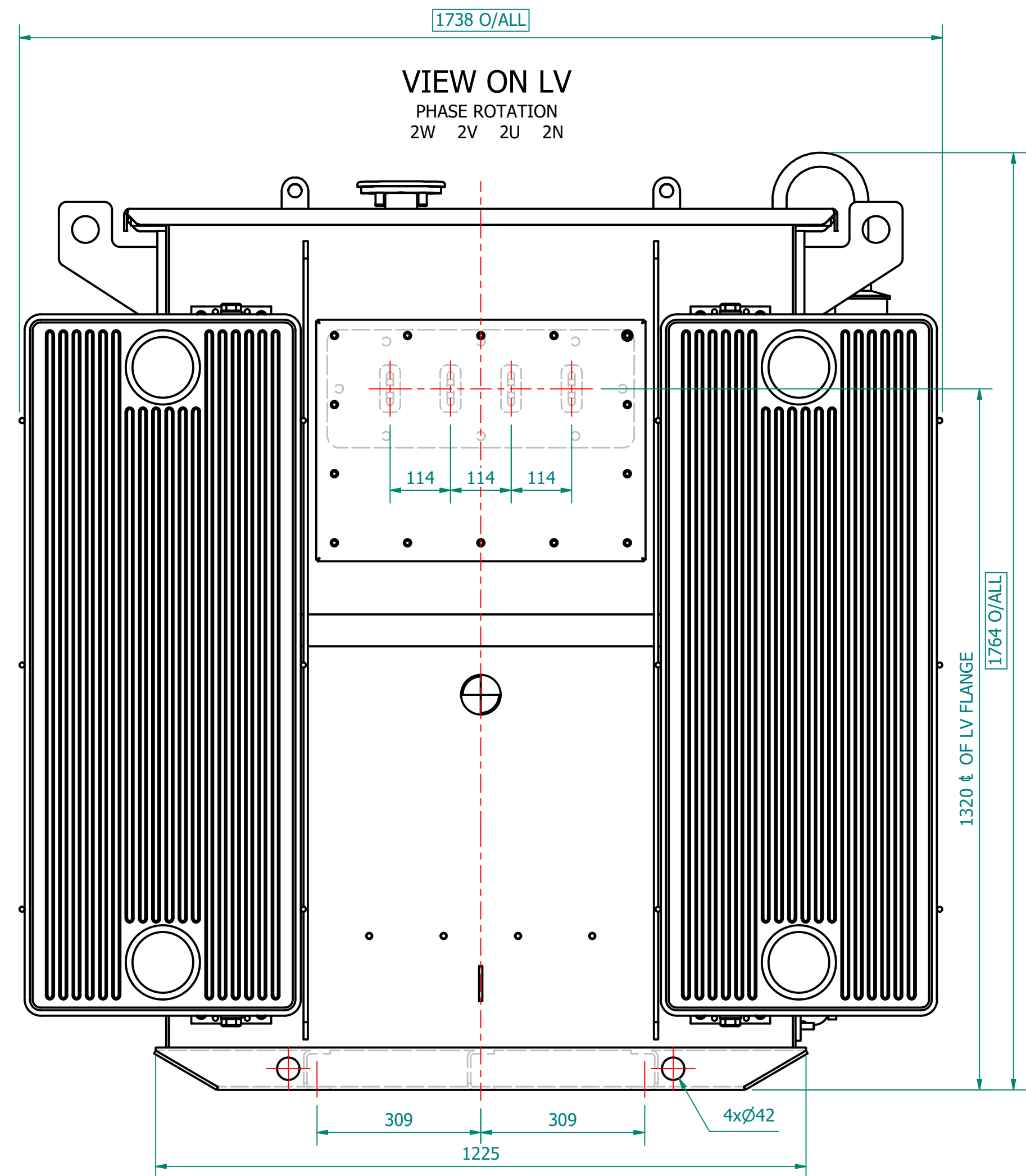
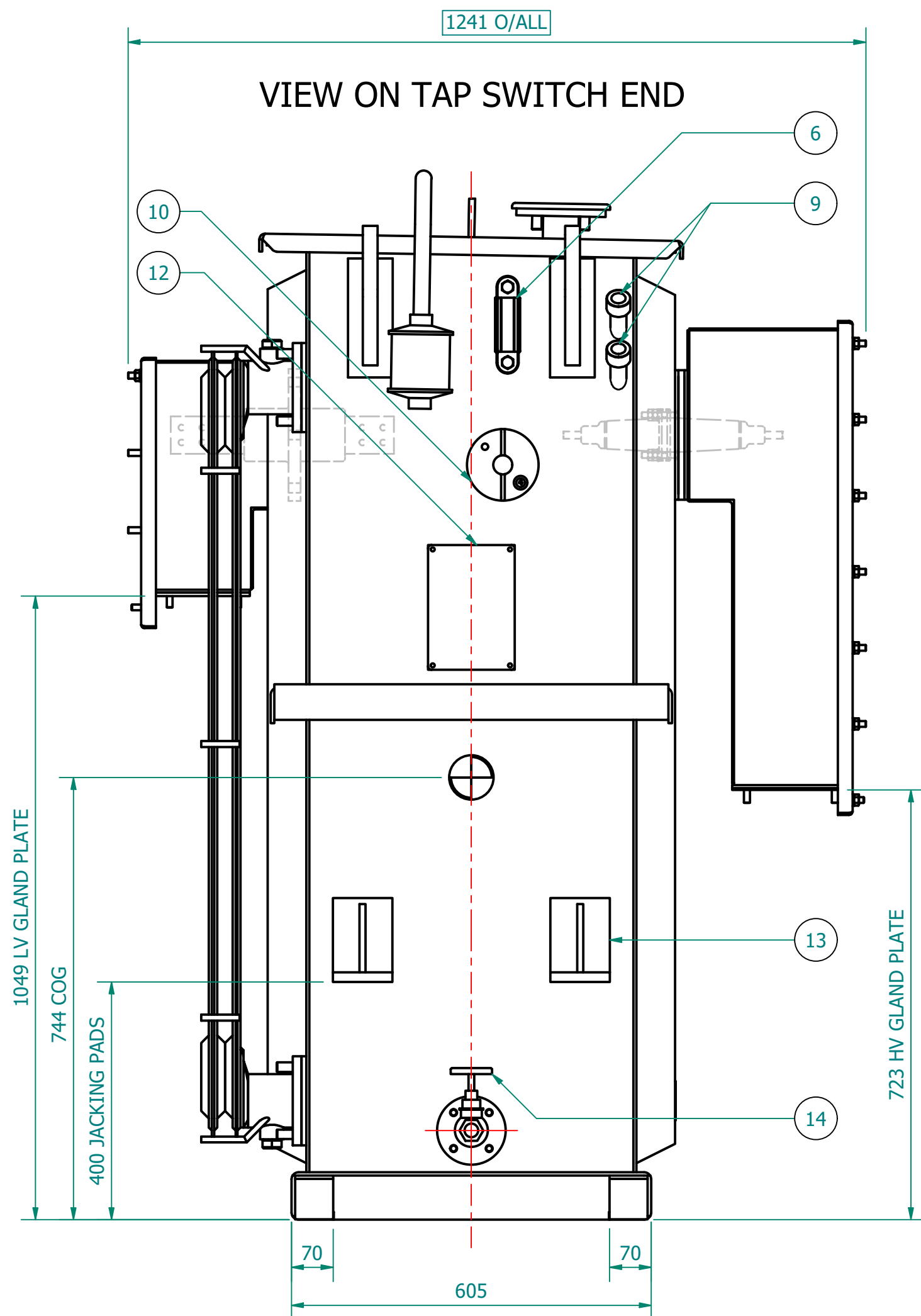
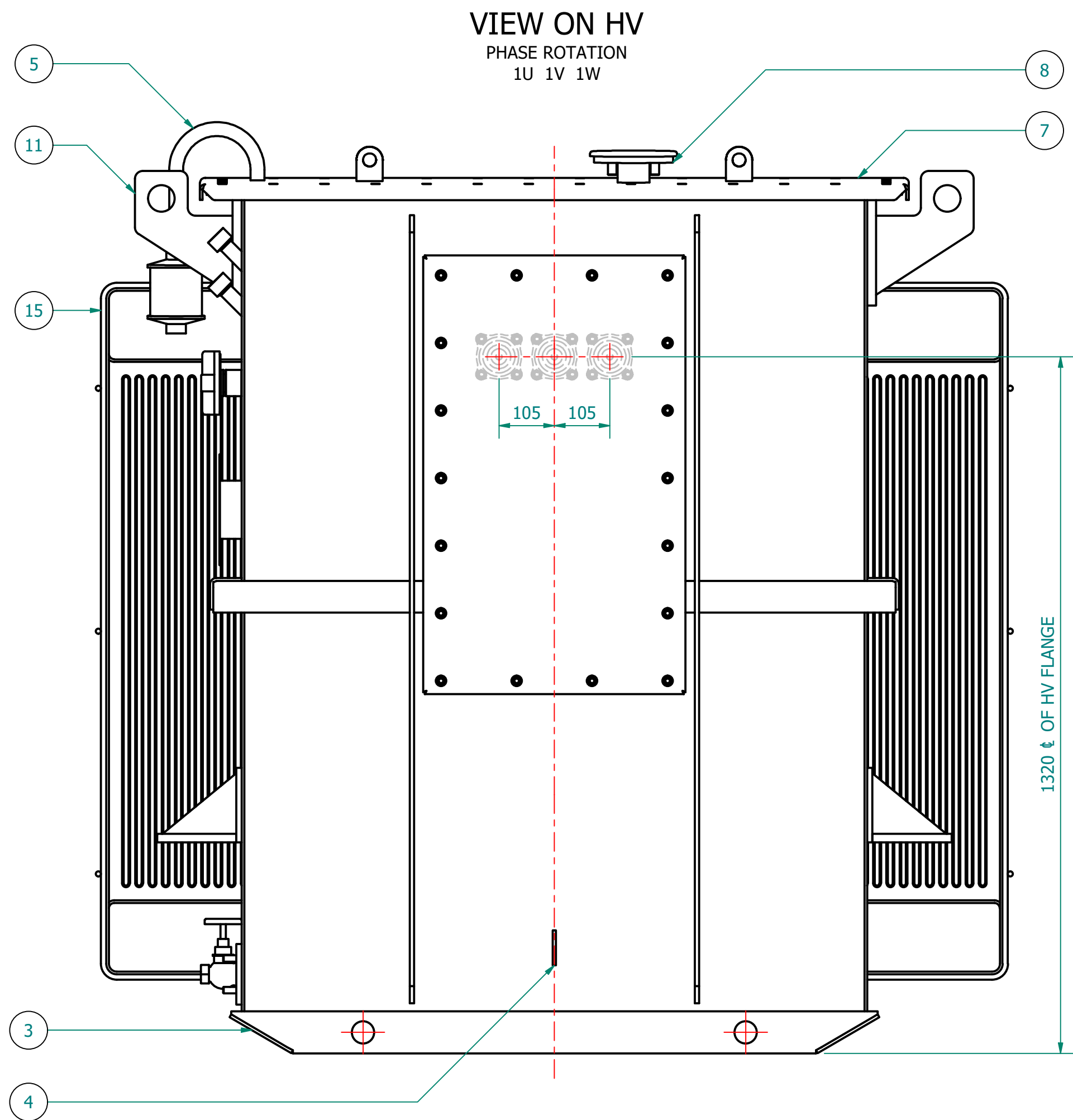




WILSON
T² ECOTRANS

TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	1285
TANK AND FITTING	kg	690
COOLING LIQUID VOLUME	L	645
COOLING LIQUID WEIGHT	kg	525
TOTAL TX WEIGHT	kg	2500

500kVA 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 / 433V	+5.0 to -5.0% in 2.5% INCREMENTS	Dyn11	50Hz	26.243A	666.686A
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.	
4.75%	459W	3900W	60°C	65°C	
GENERAL NOTES					
1 ALL DIMENSIONS ARE IN 'mm'.					
2 ALL DIMENSIONS/WEIGHTS ARE SUBJECT TO ± 10% TOLERANCE.					
3 ELECTRONIC SCALE - 1:1 (ONLY WRITTEN DIMENSIONS TO BE FOLLOWED).					
4 TOLERANCE ON IMPEDANCE PER IEC:60076.					
5 PAINT SHADE.: 632 AS PER BS:381C (SEMI GLOSS) TO ISO12944 - MIN C4H SPEC.					
6					
7					
8					
9					

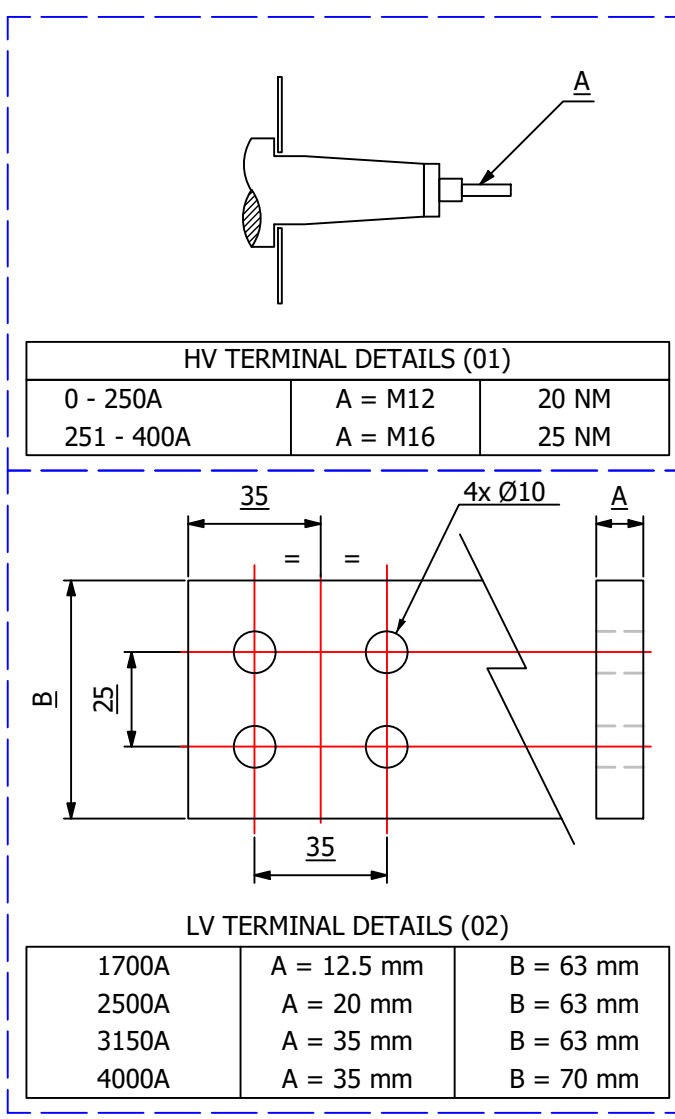
ESSENTIAL LABELS

ITEM 10 TAP CHANGER WARNING LABEL

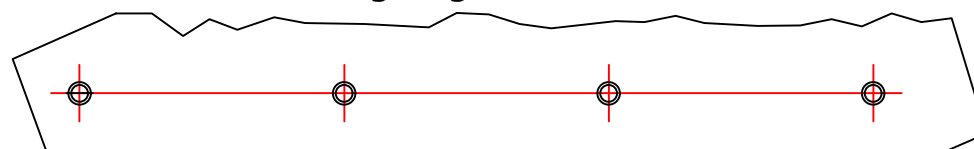
ITEM 6 COLD COOLANT LEVEL

ITEM 2 LV WARNING LABEL

ITEM 1 HV WARNING LABEL



VIEW OF LV SIDE - CABLE CLEAT STUDS
CABLES MUST BE SUPPORTED IN ACCORDANCE WITH
CURRENT IET Wiring Regulations BS7671 & IEC 61914



4x M12 x 30 @ 140mm PITCH ~430mm FROM THE GROUND

ITEM	QTY	DESCRIPTION
15	2	DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 25 x 40P)
14	1	DRAIN VALVE (25NB) with MALE PLUG
13	4	JACKING PADS
12	1	RATING & DIAGRAM PLATE (SS)
11	4	TRANSFORMER LIFTING LUGS
10	1	OFF-CIRCUIT TAP SWITCH (5-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	ENVIRO GEL BREATHING TYPE R
4	2	EARTHING TERMINAL (FLAT TYPE suitable for M12 Bolt)
3	1	TRANSFORMER BASE (SKID TYPE) c/w HAULAGE HOLES & BRACING
2	1	LV CABLE BOX - 1.1kV, 4-POLE, AIR INSULATION, (FACING-'F', BS:2562) SUITABLE FOR 1 x 1c CABLES PER PHASE & N - MAX. 630mm.sq
1	1	HV CABLE BOX - 12kV, 3-POLE, HEAT-SHRINK INSULATION, (FACING-'E' BS:2562) SUITABLE FOR 1 x 3c CABLE - MAX. 185mm.sq

WILSON POWER SOLUTIONS Ltd.
Westland Square, Leeds,
West Yorkshire LS11 5SS, United Kingdom
Tel: +44 (0) 113 271 7588
Fax: +44 (0) 113 277 5124
web: www.wilsonpowersolutions.co.uk email: info@wilsonpowersolutions.co.uk

DRAWN BY: S. MALLETT DATE: 25/02/2021 DRG NO: WPS-T2-500-AL-GA

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

LAST DEFINITION				
REV	REV BY	VERIFIED	APPROVED	DESCRIPTION

REVISION DESCRIPTION	
ORIGINAL	
REV. BY:	S. MALLETT
VERIFIED:	
APPROVED:	

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

DRAWING TITLE	
GENERAL ARRANGEMENT DRAWING FOR 500kVA WILSON T2 ECOTRANS 11000/433V, 50Hz, Dyn11, ONAN/KNAN AL WOUND DISTRIBUTION TRANSFORMER	