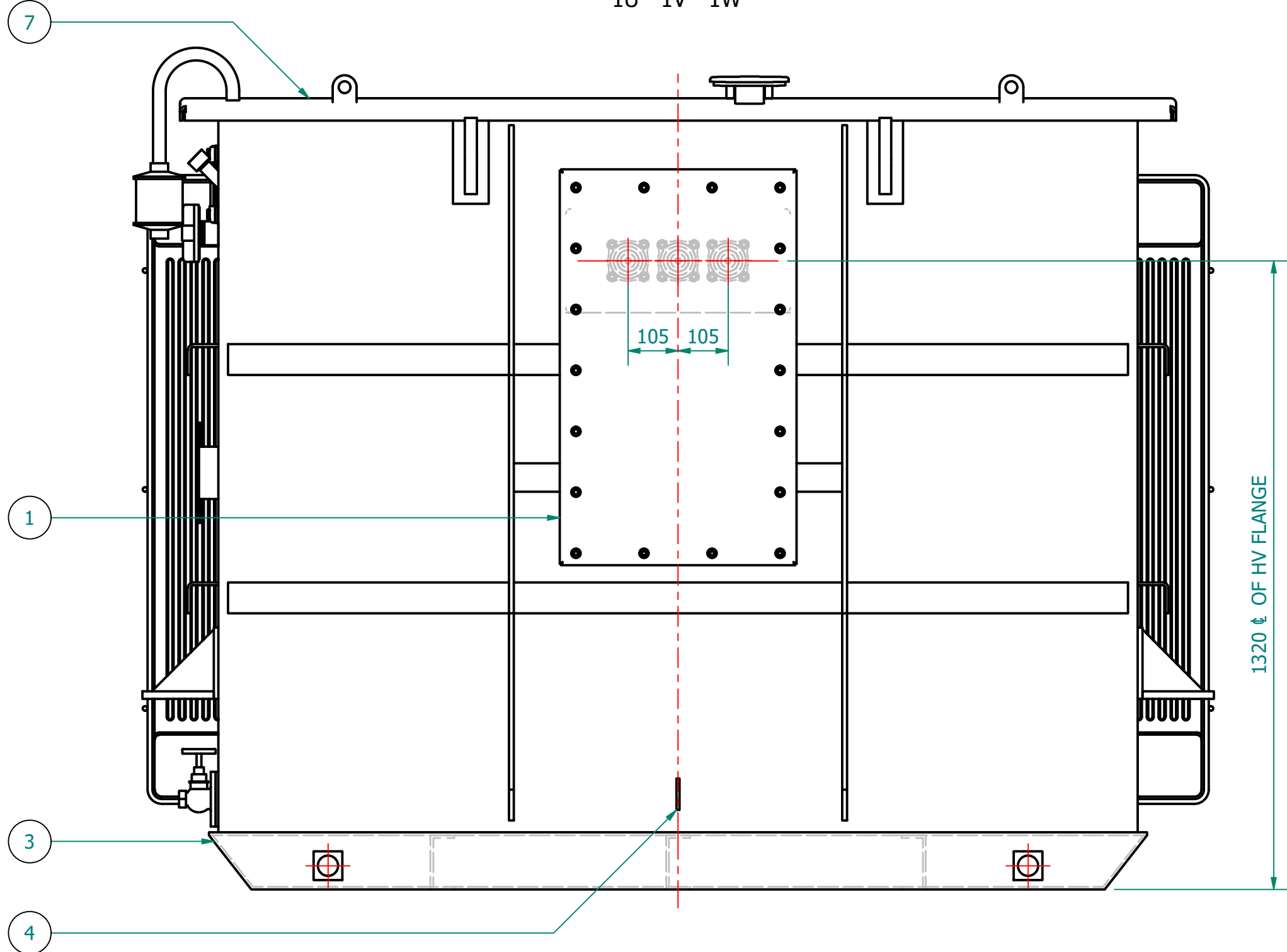
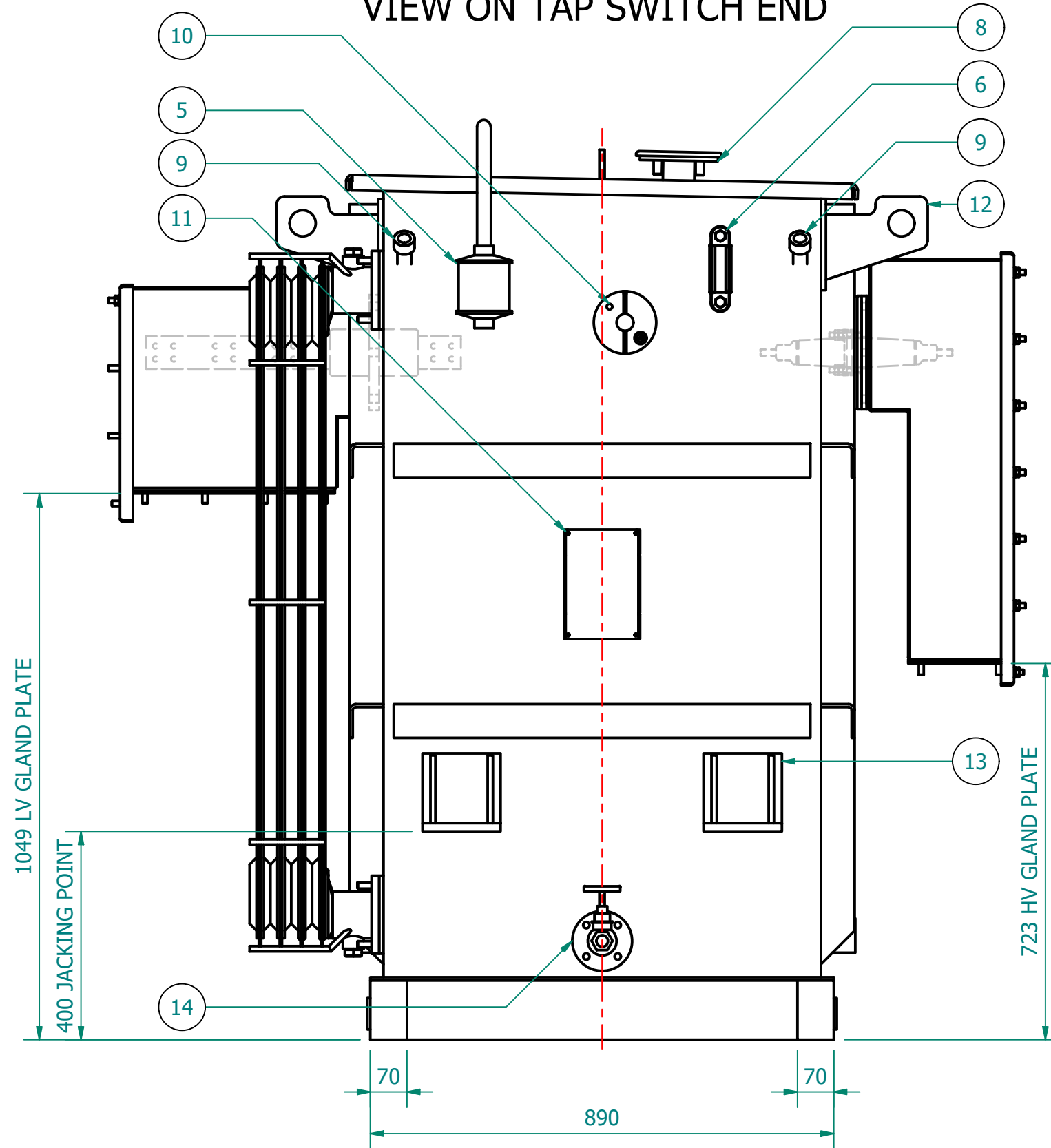


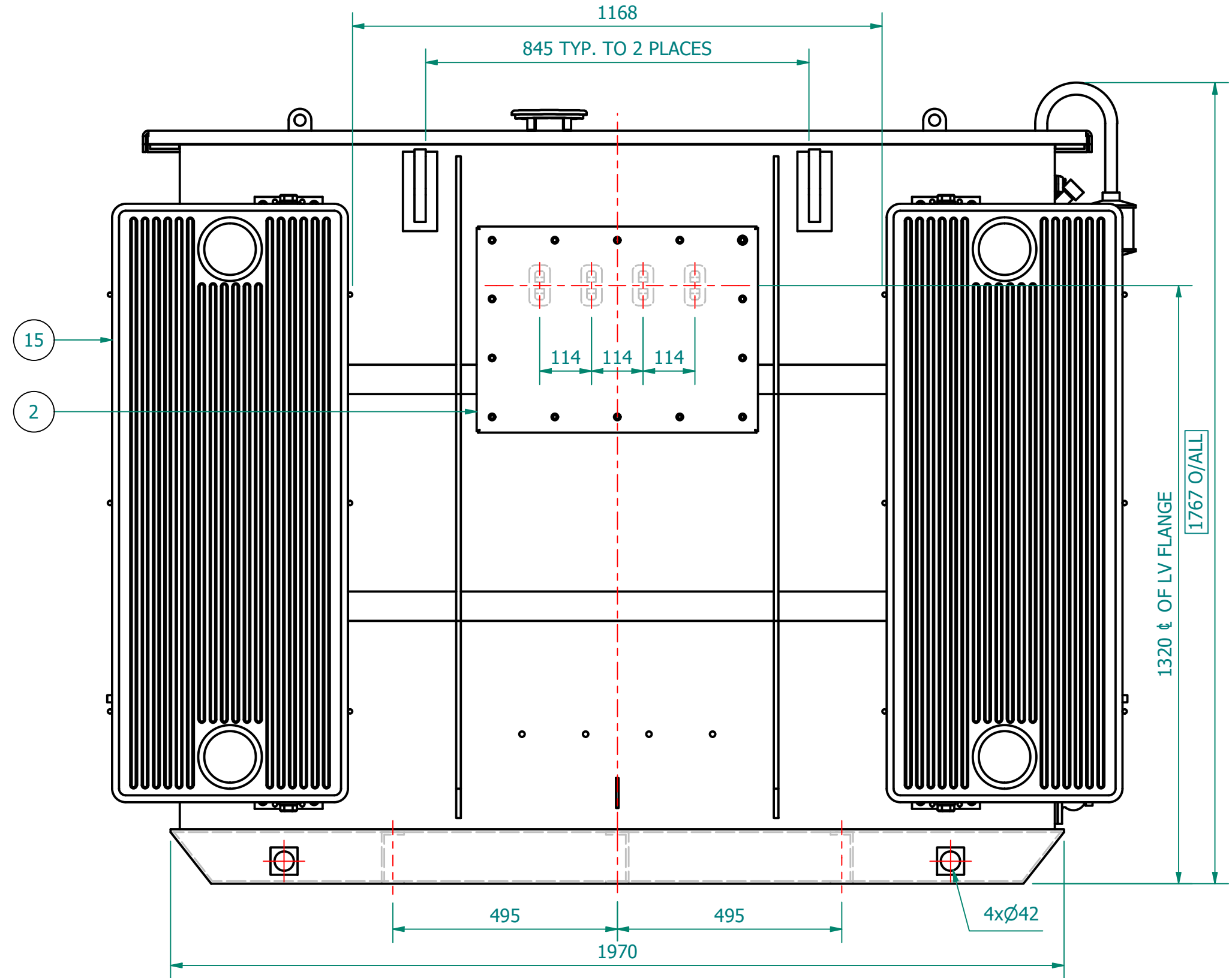
VIEW ON HV SIDE
PHASE ROTATION
1U 1V 1W



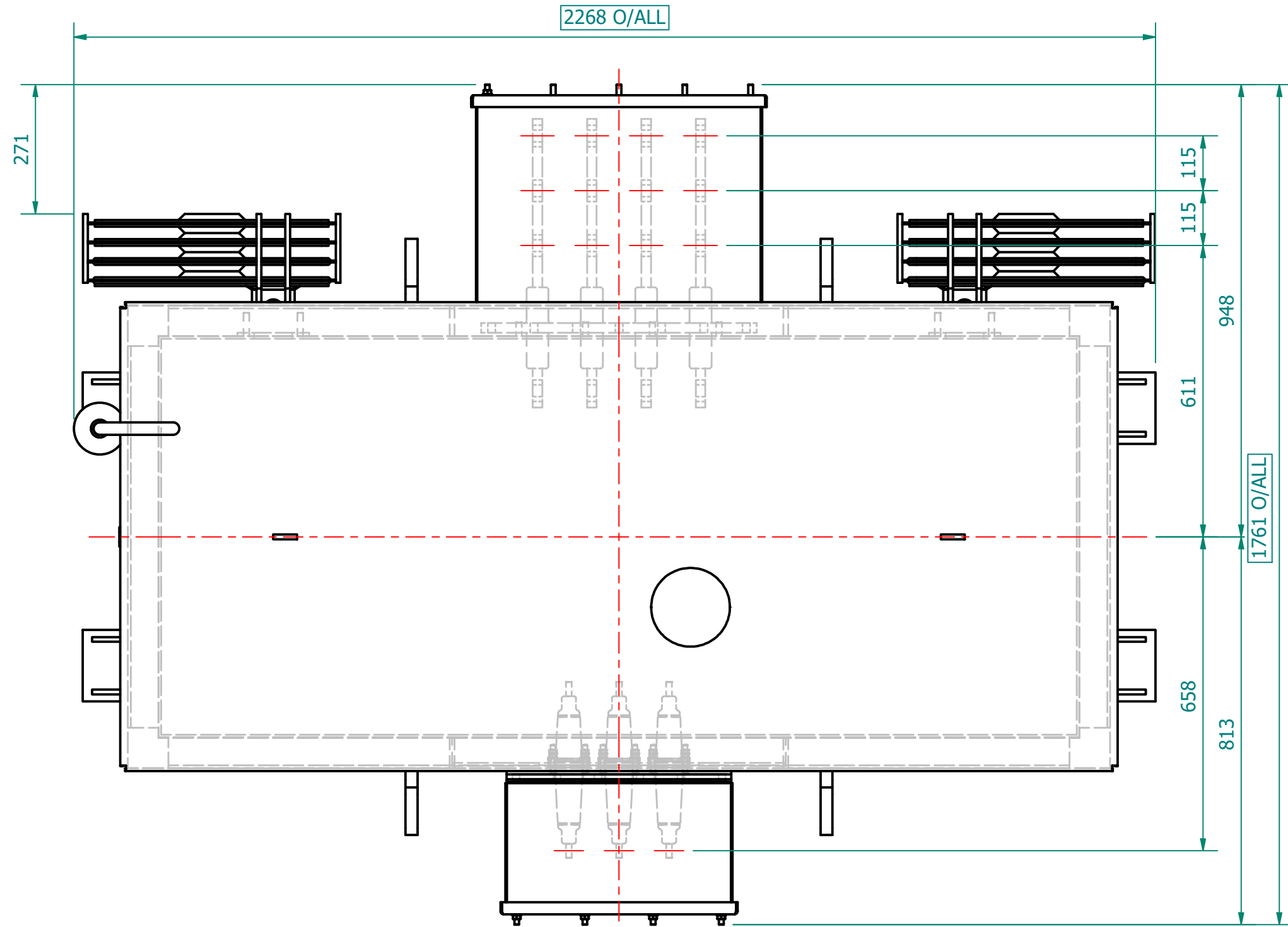
VIEW ON TAP SWITCH END



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

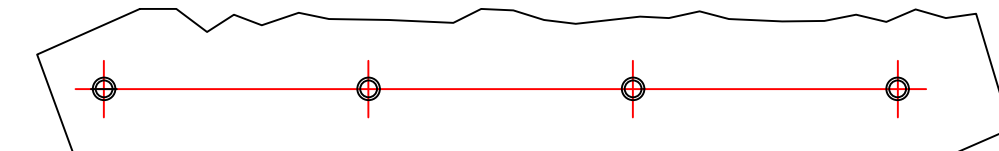


PLAN VIEW



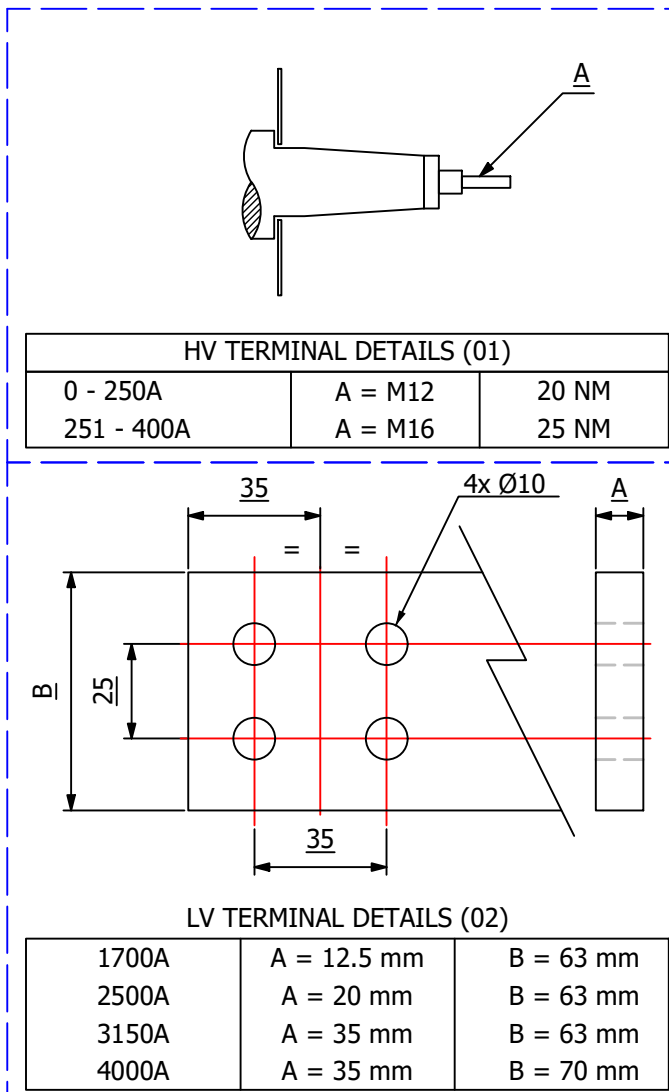
TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	3700
TANK AND FITTING	kg	1050
COOLING LIQUID VOLUME	L	1450
COOLING LIQUID WEIGHT	kg	1407
TOTAL TX WEIGHT	kg	6157

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



ESSENTIAL LABELS

- ITEM 10 TAP CHANGER WARNING LABEL
- ITEM 6 COLD COOLANT LEVEL
- ITEM 2 LV WARNING LABEL
- ITEM 1 HV WARNING LABEL



1500kVA 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	78.729A	2086.808A
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.	
5.50%	625W	8630W	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					

ITEM	QTY	DESCRIPTION
15	2	DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 45 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	ENVIRO GEL BREATHER 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 3 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

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

REVISION HISTORY				DESCRIPTION
REV	REV BY	VERIFIED	APPROVED	

CURRENT REVISION	REVISION DESCRIPTION	
	ORIGINAL	
	REV. BY:	SATHWIK
	VERIFIED:	
	APPROVED:	

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

		DRAWING TITLE	
		GENERAL ARRANGEMENT DRAWING FOR 1500KVA WILSON e4 AMORPHOUS ULTIMATE LOW LOSS 11000/415V, 50Hz, Dyn11, KNAN AL WOUND DISTRIBUTION TRANSFORMER	
3		2	

DRAWN BY:			WILSON POWER SOLUTIONS	Wilson Power Solutions Ltd.	
SATHWIK				Westland Square, Leeds,	
DATE:				West Yorkshire LS11 5SS, United Kingdom	
24-03-2026				Tel: +44 (0) 113 271 7588 Fax: +44 (0) 113 277 5124	
web: www.wilsonpowersolutions.co.uk				email: info@wilsonpowersolutions.co.uk	
DRAWING NO.:		WPS-E4-1500-AL-GA-KNAN		SHEET 1 OF 1	

WPS002 REV 0 25-NOV-14

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