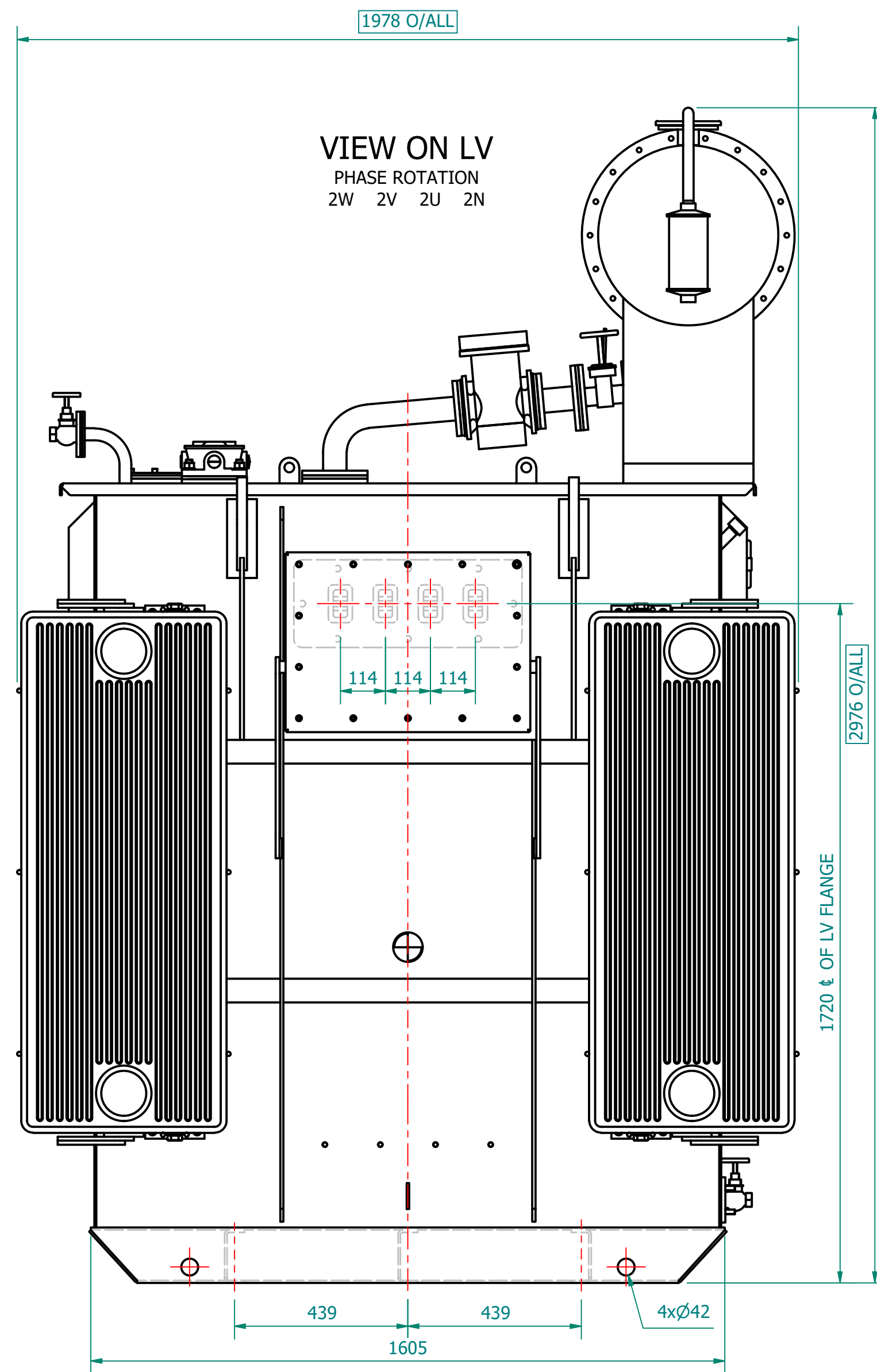
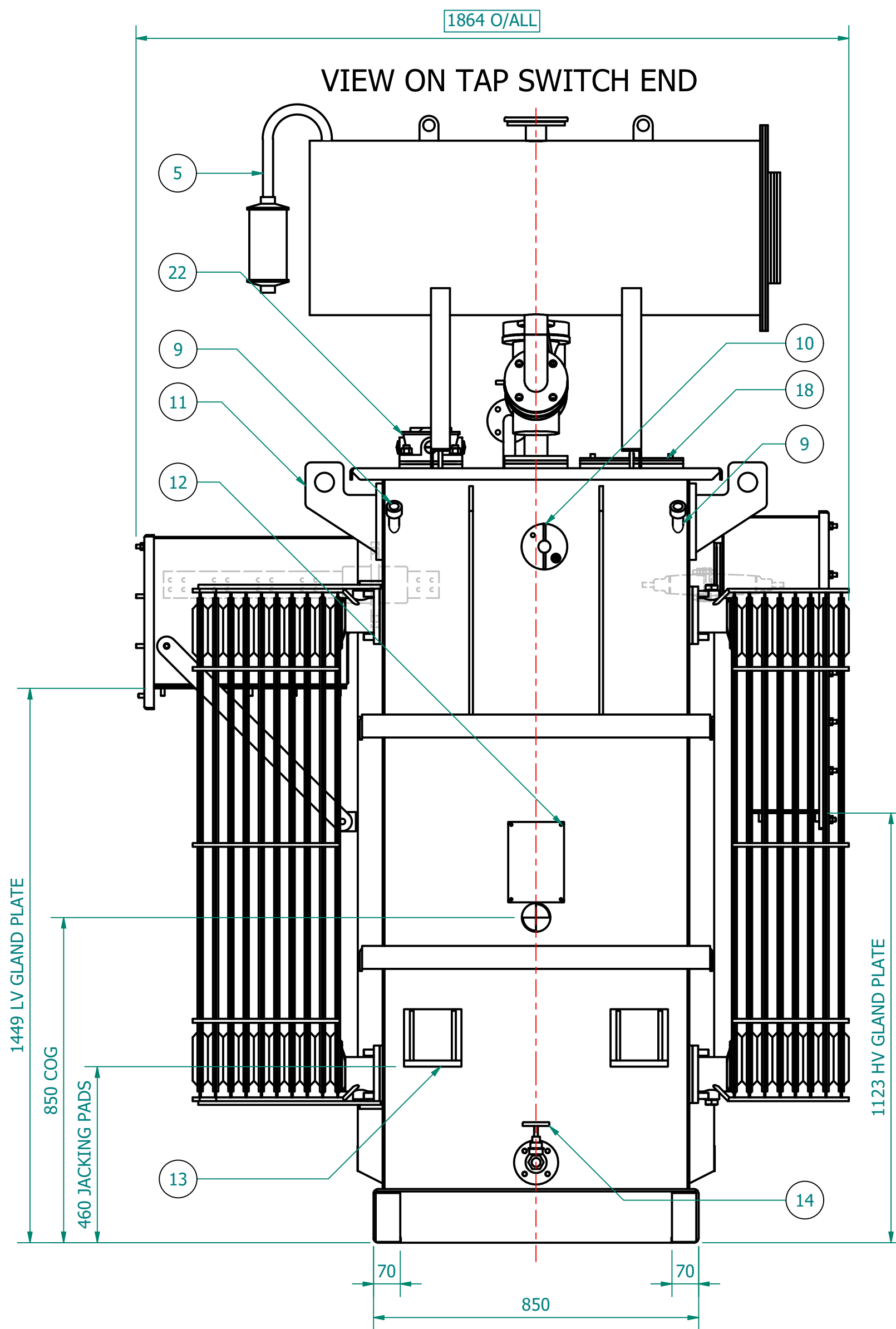
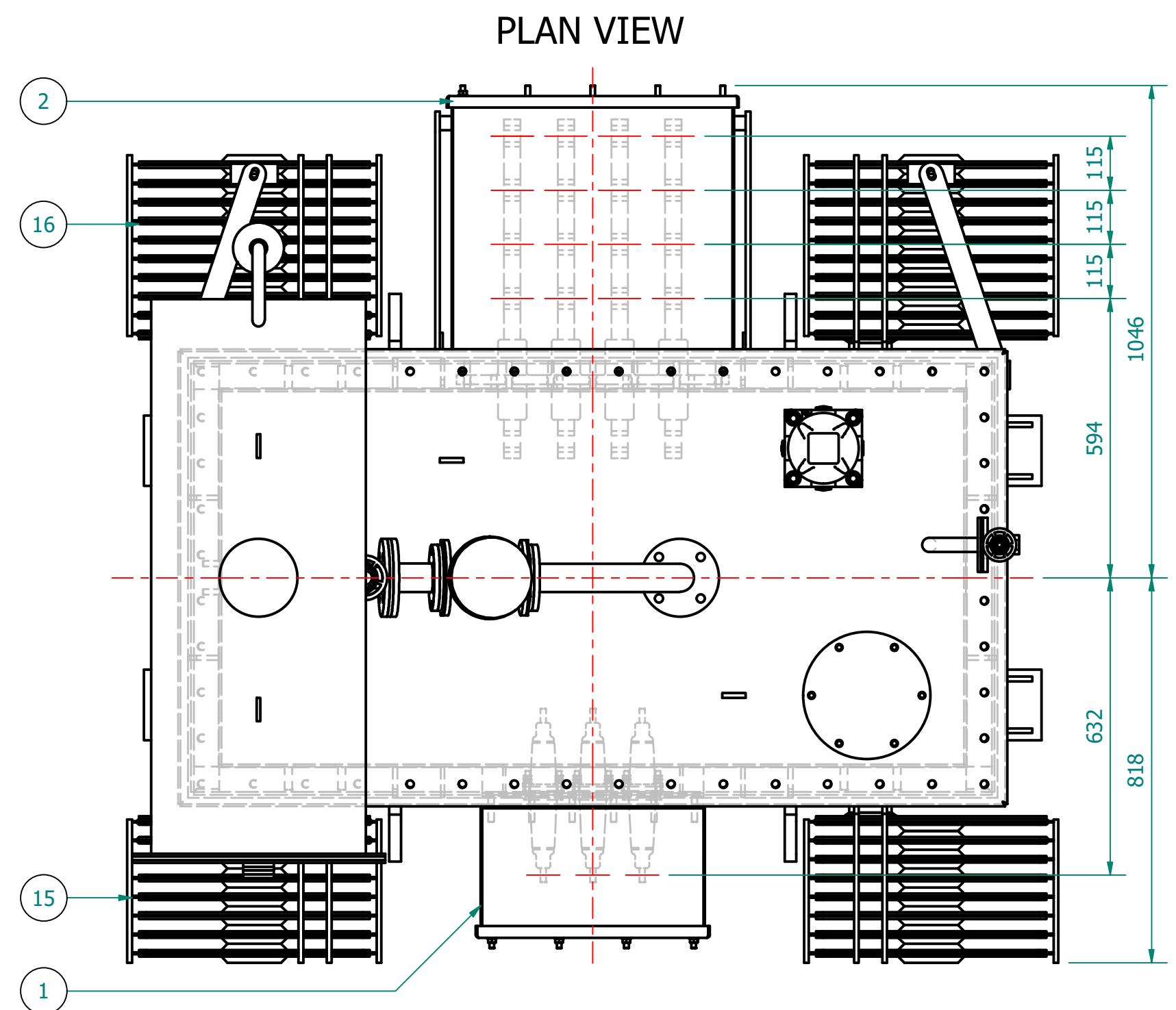
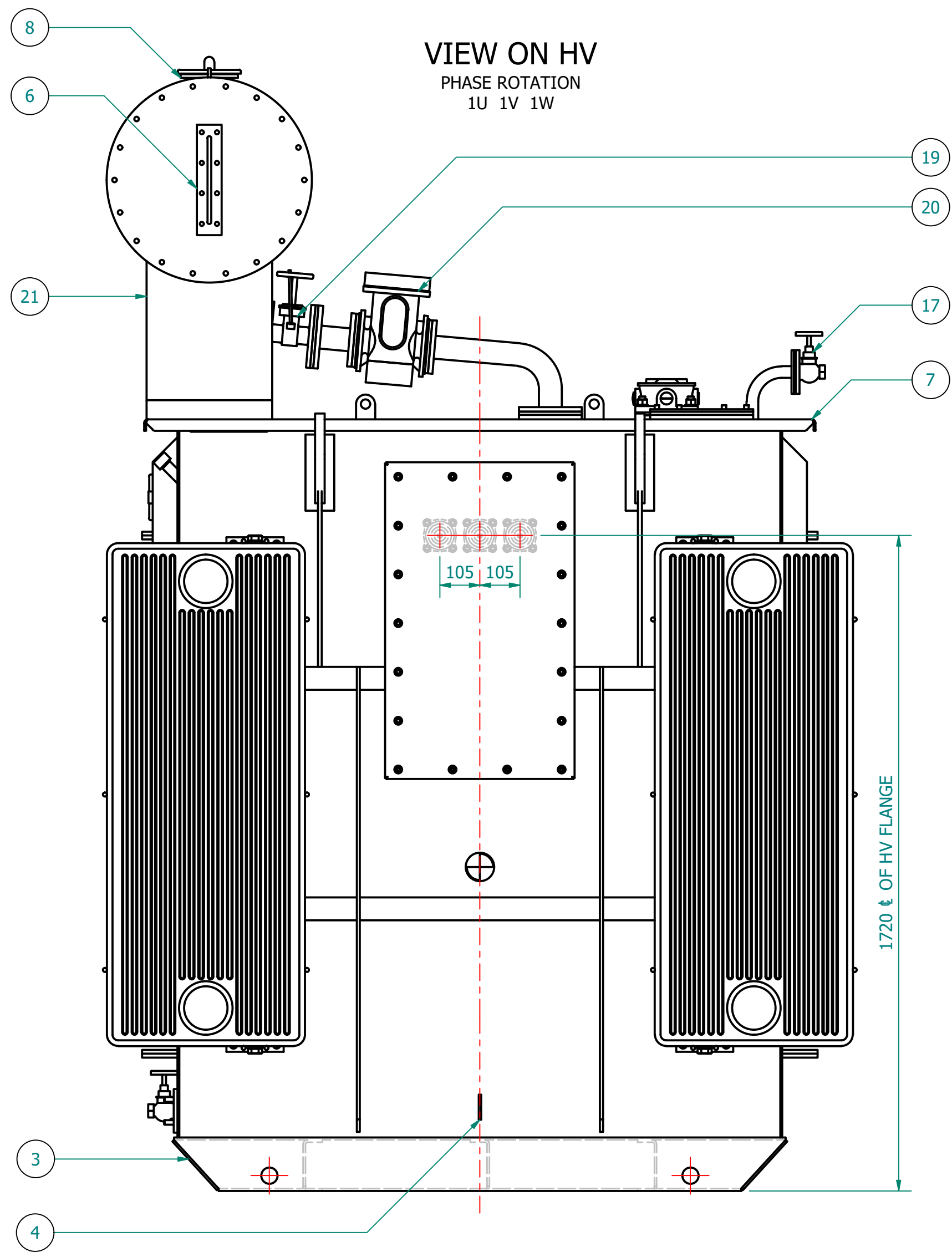
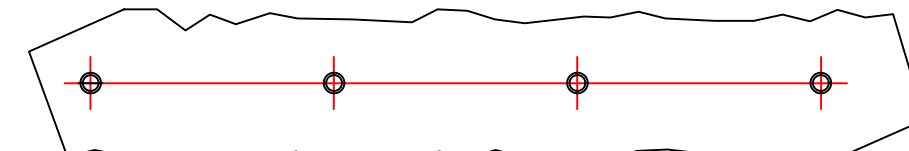




VIEW OF LV SIDE - CABLE CLEAT STUDS
CABLES MUST BE SUPPORTED IN ACCORDANCE WITH
CURRENT IET Wiring Regulations BS7671 & IEC 61914



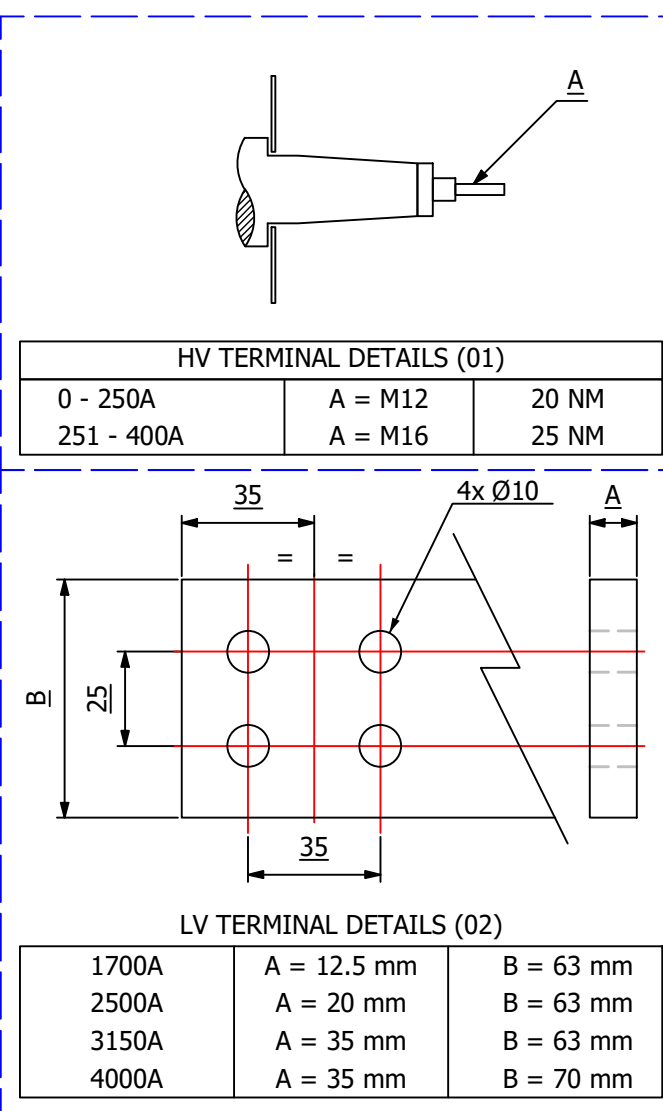
WILSON
T² ECOTRANS

TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	3520
TANK AND FITTING	kg	1690
COOLING LIQUID VOLUME	L	1800
COOLING LIQUID WEIGHT	kg	1465
TOTAL TX WEIGHT	kg	6675

2500kVA 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	131.216A	3333.431A
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%	1575W	18500W	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



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:	M. STOTSJUK
VERIFIED:	
APPROVED:	

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

DRAWING TITLE	
GENERAL ARRANGEMENT DRAWING FOR 2500kVA WILSON T2 ECOTRANS 11000/433V, 50Hz, Dyn11, ONAN/KNAN AL WOUND DISTRIBUTION TRANSFORMER	

DRAWING TITLE	
GENERAL ARRANGEMENT DRAWING FOR 2500kVA WILSON T2 ECOTRANS 11000/433V, 50Hz, Dyn11, ONAN/KNAN AL WOUND DISTRIBUTION TRANSFORMER	

PARTS LIST	
ITEM	QTY
22	1
21	1
20	1
19	1
18	1
17	1
16	2
15	2
14	1
13	4
12	1
11	4
10	1
9	2
8	1
7	1
6	1
5	1
4	2
3	1
2	1
1	1
DESCRIPTION	
WTI CT BUSHING TERMINALS ENCLOSED IN BOX	
DETACHABLE CONSERVATOR WITH OIL LEVEL INDICATOR	
BUCHHOLZ RELAY EE2 (WITH ALARM & TRIP CONTACT)	
SHUT OFF VALVE FOR CONSERVATOR	
PROVISION FOR PRESSURE RELIEF DEVICE	
OIL FILLING VALVE WITH ONE SIDE FLANGED & PLUG	
DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 10S x 40P)	
DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 8S x 40P)	
DRAIN VALVE (25NB) with MALE PLUG	
JACKING PADS	
RATING & DIAGRAM PLATE (SS)	
TRANSFORMER LIFTING LUGS	
OFF-CIRCUIT TAP SWITCH (5-Position & Padlockable)	
THERMOMETER POCKET (3/4" BSP MALE THREAD)	
OIL FILLING PIPE WITH FLANGED COVER	
TOP COVER with LIFTING LUGS (x2)	
OIL LEVEL GAUGE (with 15°) COLD OIL LEVEL MARK	
ENVIRO GEL BREATHER TYPE R1	
EARTHING TERMINAL (FLAT TYPE suitable for M12 Bolt)	
TRANSFORMER BASE (SKID TYPE) c/w HAULAGE HOLES & BRACING	
LV CABLE BOX - 1.1kV, 4-POLE, AIR INSULATION, (FACING-'F', BS:2562) SUITABLE FOR 4 x 1c CABLES PER PHASE & N - MAX. 630mm.sq	
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: M. STOTSJUK	DATE: 22/08/2021
DRG NO: WPS-T2-2500-AL-GA	