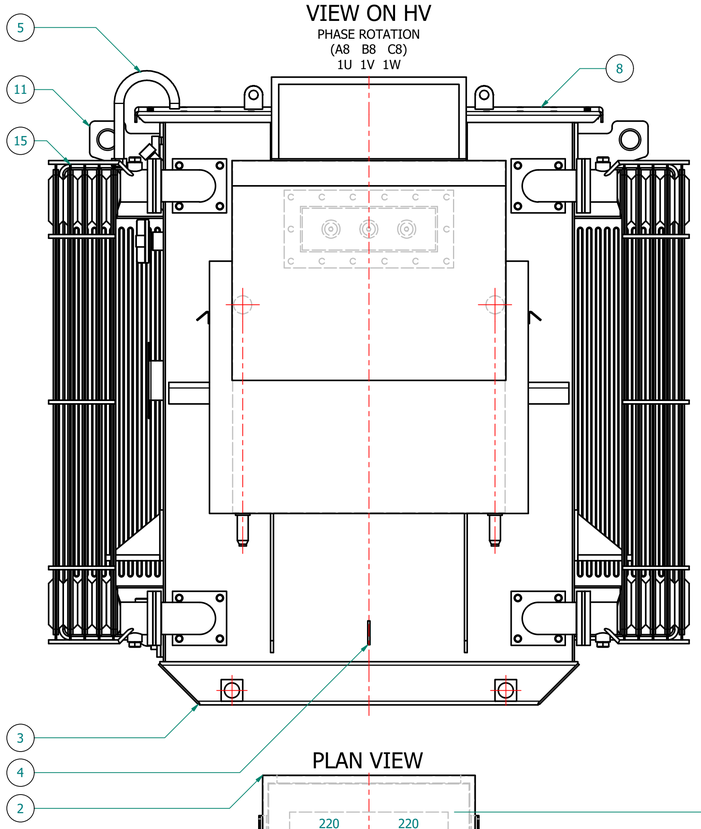
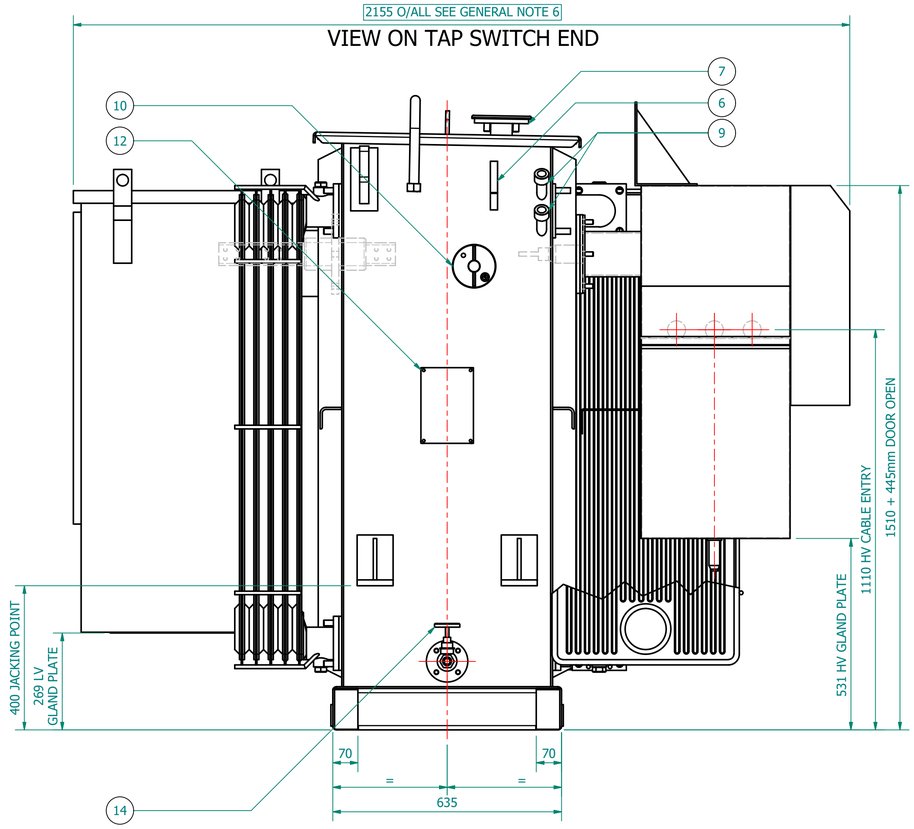
VIEW ON HV

PHASE ROTATION
(A8 B8 C8)
1U 1V 1W

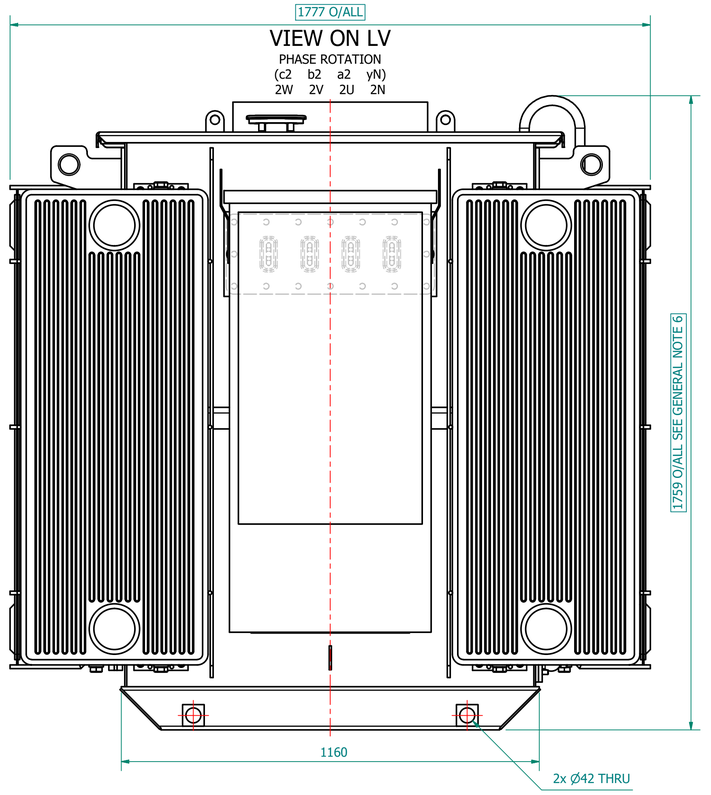


VIEW ON TAP SWITCH END

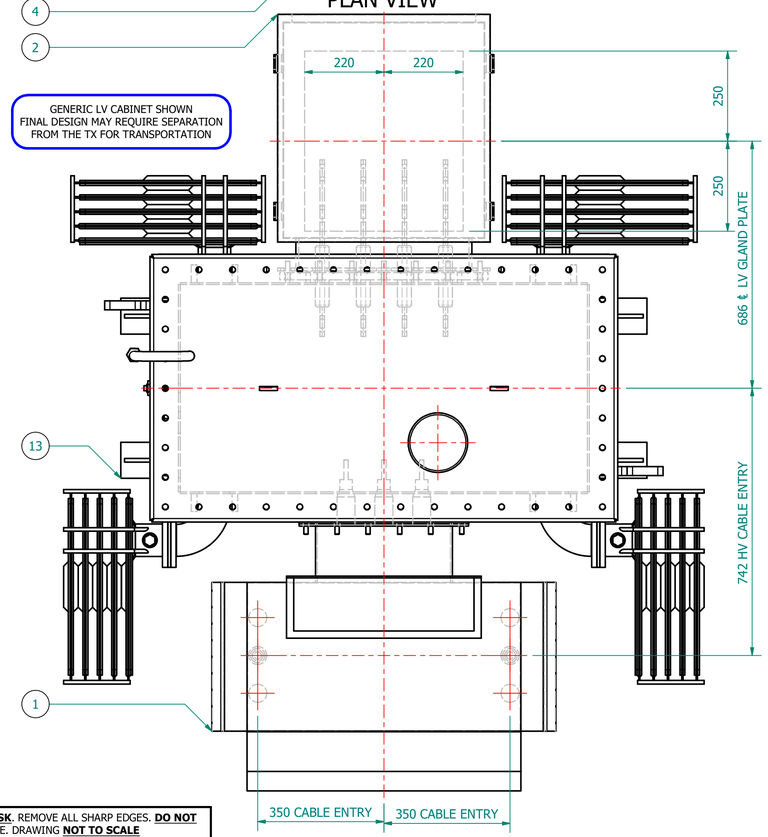


VIEW ON LV

PHASE ROTATION
(c2 b2 a2 yN)
2W 2V 2U 2N



PLAN VIEW



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

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

BASED ON:

LAST DEFINITION	REV	REV BY	VERIFIED	APPROVED	DESCRIPTION

LAST REVISION	REVISION DESCRIPTION	REV
	ORIGINAL	00
REV. BY:	F. MEHMOOD	DATE 22-AUG-2018
VERIFIED:		
APPROVED:		

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

DRAWING TITLE

GENERAL ARRANGEMENT DRAWING FOR
1000kVA WILSON e1 ECOTRANS
11000/415V, 50Hz, Dyn11, ONAN/KNAN
AL WOUND DISTRIBUTION TRANSFORMER
LV CABINET & RN2cd

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

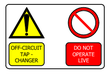
DRAWN BY:	F. MEHMOOD	DATE:	24/08/2016	DRG NO:	**WPS-1000-AL-A007**

WPDF02 REV 0 25-NOV-14

WILSON e1 ECOTRANS

TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	1500
TANK AND FITTING	kg	850
COOLING LIQUID VOLUME	L	650
COOLING LIQUID WEIGHT	kg	530
TOTAL TX WEIGHT	kg	2880
ADDITIONS TO THE TRANSFORMER WEIGHT		
RN2d RMU WEIGHT	kg	300
LV CABINET WEIGHT	kg	———

ESSENTIAL LABELS

ITEM 10 — 

TAP CHANGER WARNING LABEL

ITEM 6 —

COLD COOLANT LEVEL

ITEM 2 —

LV WARNING LABEL

ITEM 1 —

HV WARNING LABEL

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 C4 SPEC.
6	O/ALL DIM IS SUBJECT TO EQUIPMENT DOOR OPENING DISTANCES.
7	
8	
9	

1000kVA 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	52.5A	1391.2A
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%	770W	10500W	60°C	65°C	

ITEM	QTY	PARTS LIST
15	2	DETACHABLE RADIATORS with AIR-RELEASE & DRAIN PLUG (520W x 1200C x 5S x 40P)
14	1	DRAIN VALVE (25NB) with MALE PLUG
13	4	JACKING PADS
12	1	RATING & DIAGRAM PLATE (SS)
11	2	TRANSFORMER LIFTING LUGS
10	1	OFF-CIRCUIT TAP SWITCH (6-Position & Padlockable)
9	2	THERMOMETER POCKET (3/4" BSP MALE THREAD)
8	1	TOP COVER with LIFTING LUGS (x2)
7	1	OIL FILLING PIPE WITH FLANGED COVER
6	1	OIL LEVEL GAUGE (with 15°) COLD OIL LEVEL MARK
5	1	AIR VENT PIPE (3/4") FOR DEHYDRANT BREATHER
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 RMU - 11kV, 200A, GCB, 630A BUS [Schneider RN2d-Tx/21] x PROTECTION, (FACING-'E' BS:2526)