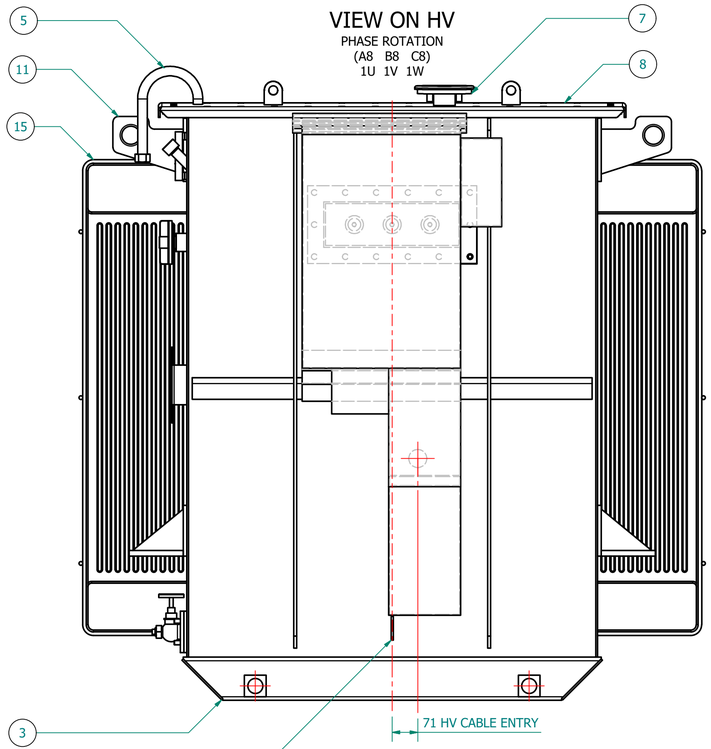
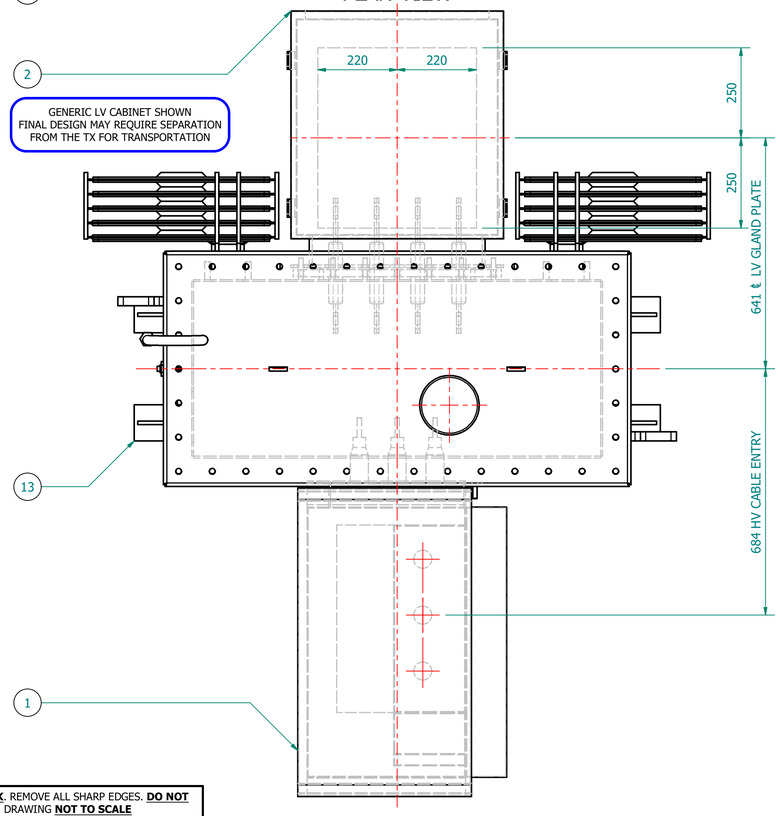
VIEW ON HV

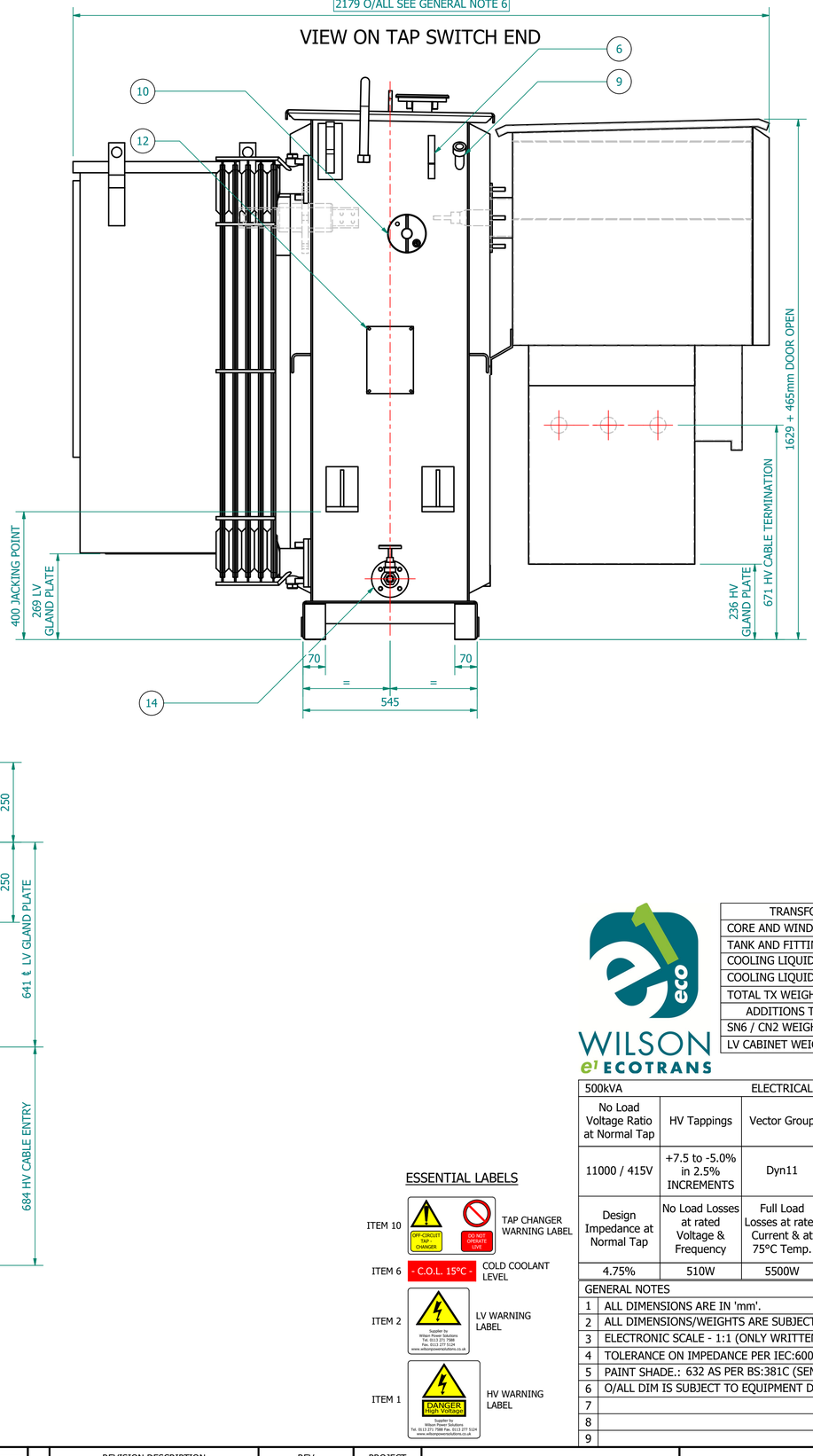
PHASE ROTATION
(A8 B8 C8)
1U 1V 1W



PLAN VIEW

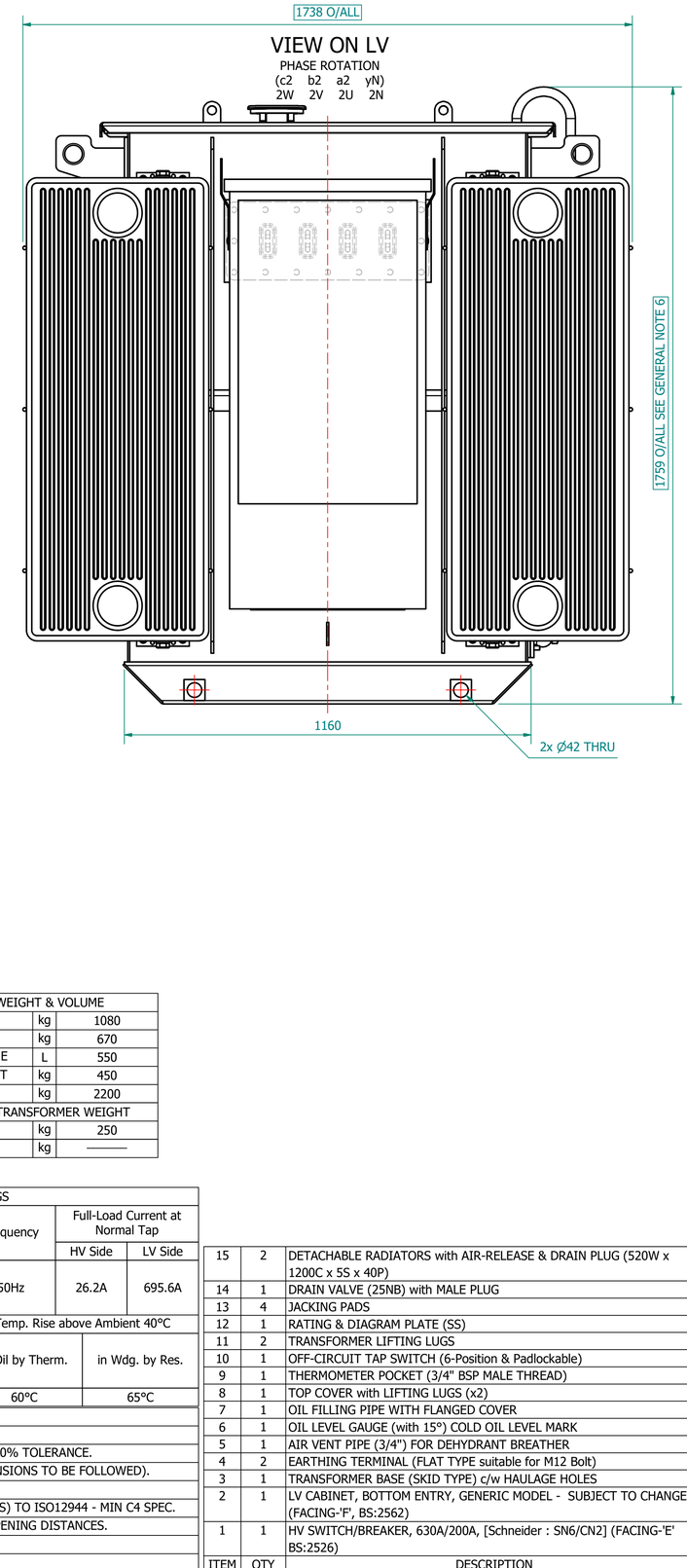


VIEW ON TAP SWITCH END



VIEW ON LV

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



TRANSFORMER WEIGHT & VOLUME		
CORE AND WINDING	kg	1080
TANK AND FITTING	kg	670
COOLING LIQUID VOLUME	L	550
COOLING LIQUID WEIGHT	kg	450
TOTAL TX WEIGHT	kg	2200
ADDITIONS TO THE TRANSFORMER WEIGHT		
SN6 / CN2 WEIGHT	kg	250
LV CABINET WEIGHT	kg	———

WILSON e1 ECOTRANS

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 / 415V	+7.5 to -5.0% in 2.5% INCREMENTS	Dyn11	50Hz	26.2A	695.6A
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%	510W	5500W	60°C	65°C	

ESSENTIAL LABELS

ITEM 10 — TAP CHANGER WARNING LABEL (OFF-CIRCUIT TAP-CHANGER / DO NOT OPERATE LIVE)

ITEM 6 — COLD COOLANT LEVEL (- C.O.L. 15°C -)

ITEM 2 — LV WARNING LABEL

ITEM 1 — HV WARNING LABEL (DANGER High Voltage)

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	

ITEM	QTY	DESCRIPTION
		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	1	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
2	1	LV CABINET, BOTTOM ENTRY, GENERIC MODEL - SUBJECT TO CHANGE (FACING-'F', BS:2562)
1	1	HV SWITCH/BREAKER, 630A/200A, [Schneider : SN6/CN2] (FACING-'E' BS:2526)

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
00	ASHWINI	H. MALEPATI	H. MALEPATI	ORIGINAL

LAST REVISION

REVISION DESCRIPTION	REV	DATE
RE-DRAWN IN INVENTOR	01	
REV. BY: S. MALLETT		08-NOV-2016
VERIFIED: F. MEHMOOD		10-MAR-2017
APPROVED: J. DUCE		10-MAR-2017

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

DRAWING TITLE

GENERAL ARRANGEMENT DRAWING FOR
500kVA WILSON e1 ECOTRANS
11000/415V, 50Hz, Dyn11, ONAN/KNAN
AL WOUND DISTRIBUTION TRANSFORMER
LV CABINET & SN6 / CN2

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:	DATE:	DRG NO:
S. MALLETT	24/08/2016	**WPS-500-AL-A005**