

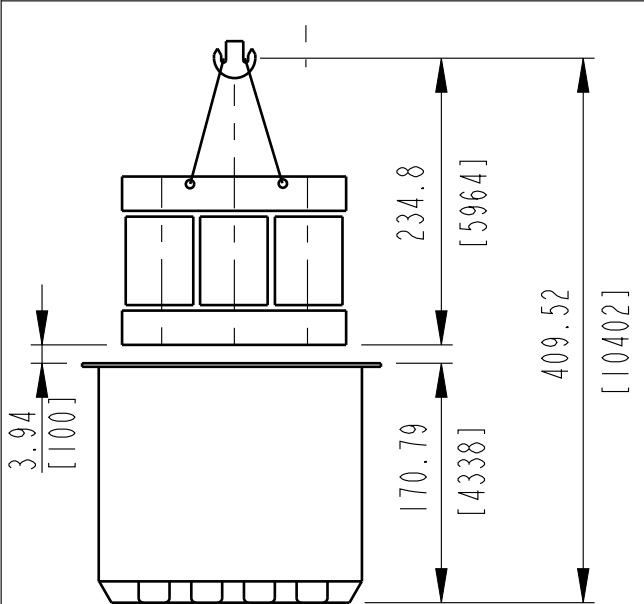
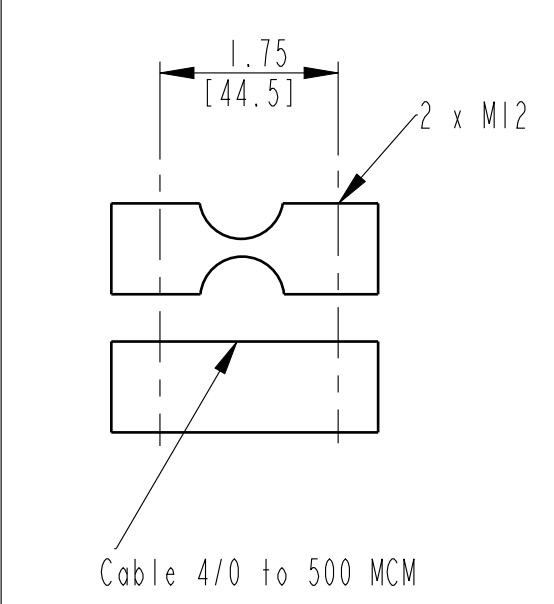
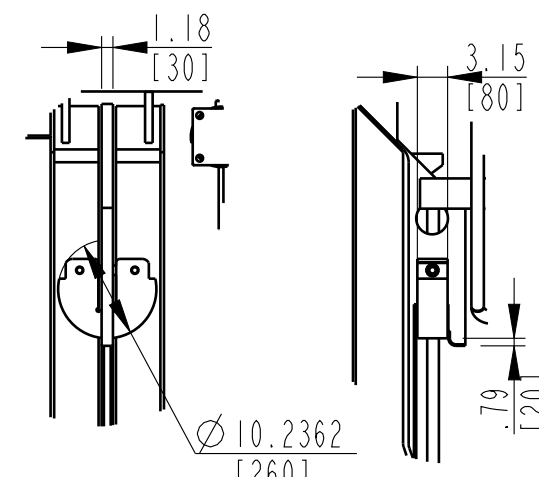
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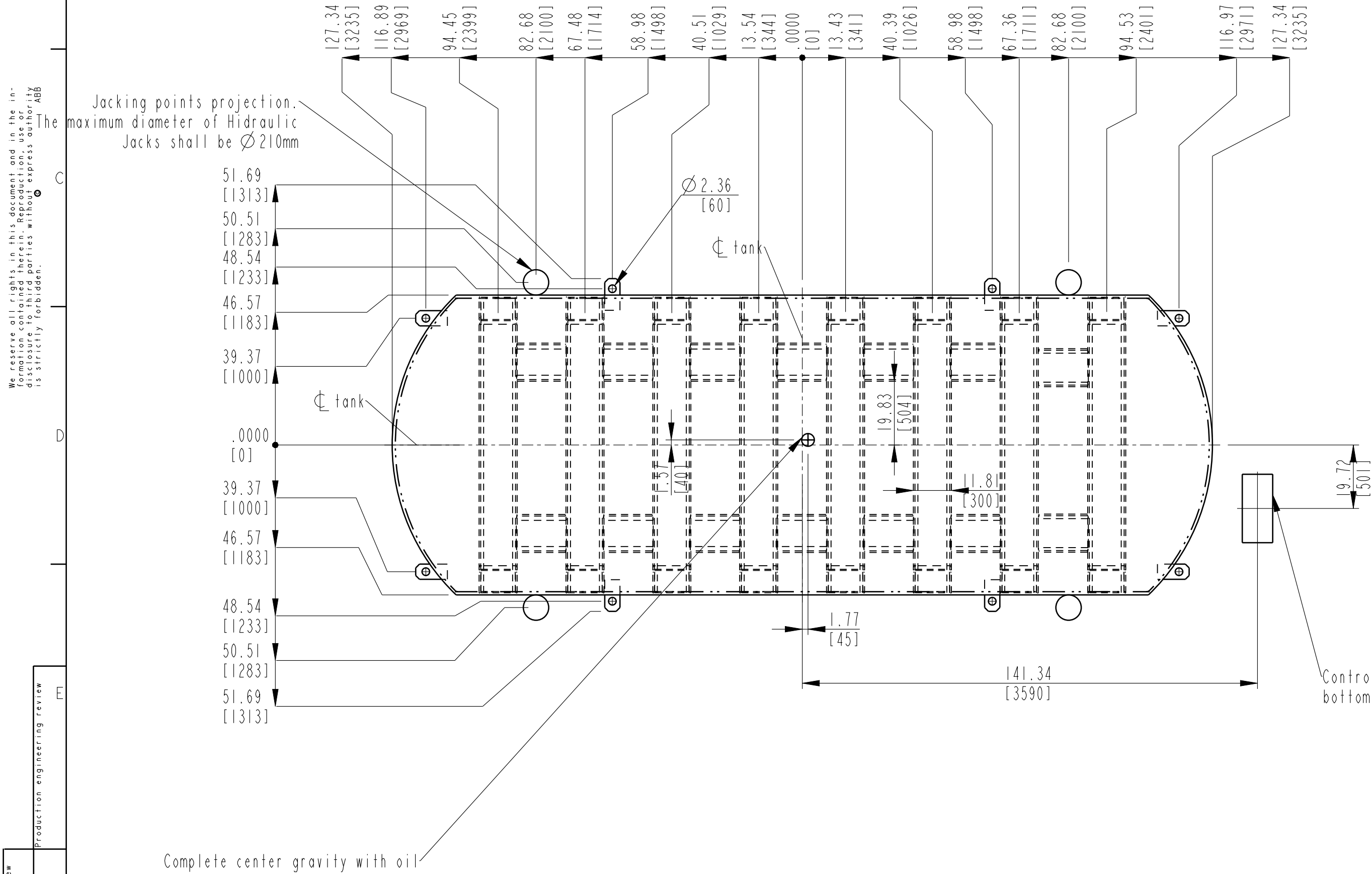
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TRANSF. TYPE	SERIAL NUMBER	POWER (MVA)	BUSHINGS	Hz	VOLTAGE (kV)	CURRENT MAX. (A)	CONNECTION
TT53	62 280	115.2/153.6/192	H1 - H2 - H3	60	230+16(-16)x0.625%	535.5	YN
			H0				
		115.2/153.6/192	X1-X2-X3		34.5	3213	YN
			X0				
		(...)	(Y1-Y2)		(13.95)	(42)	(D)

Notes:

Transformer painted ANSI 70 Light gray
Type of oil, naftenic;
Type of gaskets are O'ring in nitrile rubber;
All hardware are metric, bolts, rods and nuts are in hot dip galvanized and stainless steel, class 8.8
Dimensions in inch and [milimeter]

UNTANKING HEIGHT		APPROXIMATE MASS	KG	POUND
		CORE AND WINDINGS	83000	182984
		TANK AND ACCESS.	45500	100310
		OIL	46000	101413
		TOTAL	174500	384707
EARTHING TERMINAL NEMA		APPROXIMATE VOLUME	LITER	GALLON
		OIL	52874	13968
TRANSFORMER LIFTING DEVICE				
		SCALE 1:20		

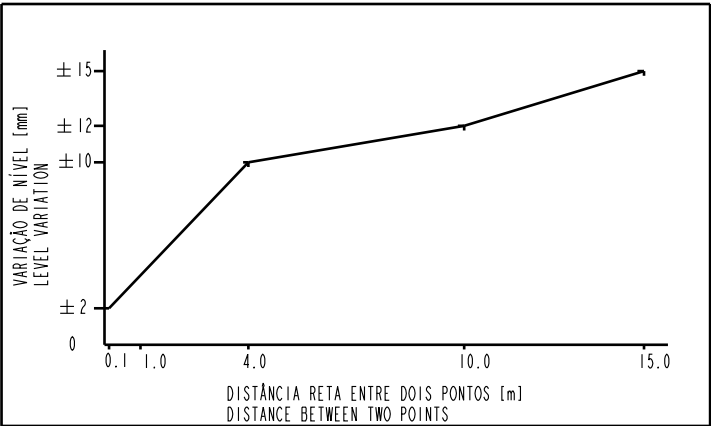


GENERAL TOLERANCES TOLERÂNCIAS GERAIS

- FOR DIMENSIONS/ PARA DIMENSÕES :
0 to 5 meter - ± 15mm
5.01 to 10 meter - ± 25mm
10.01 to 20 meter - ± 35mm

0 até 5 metros - ± 15mm
5.01 até 10 metros - ± 25mm
10.01 até 20 metros - ± 35mm

- TOLERANCES FOR FLOOR EVENNES TO ACCORDING DIN 18202/3;
- TOLERÂNCIAS PARA PLANICIDADE DO PISO DE INSTALAÇÃO CONF. DIN 18202/3:



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A

B

C

D

E

A

B

C

D

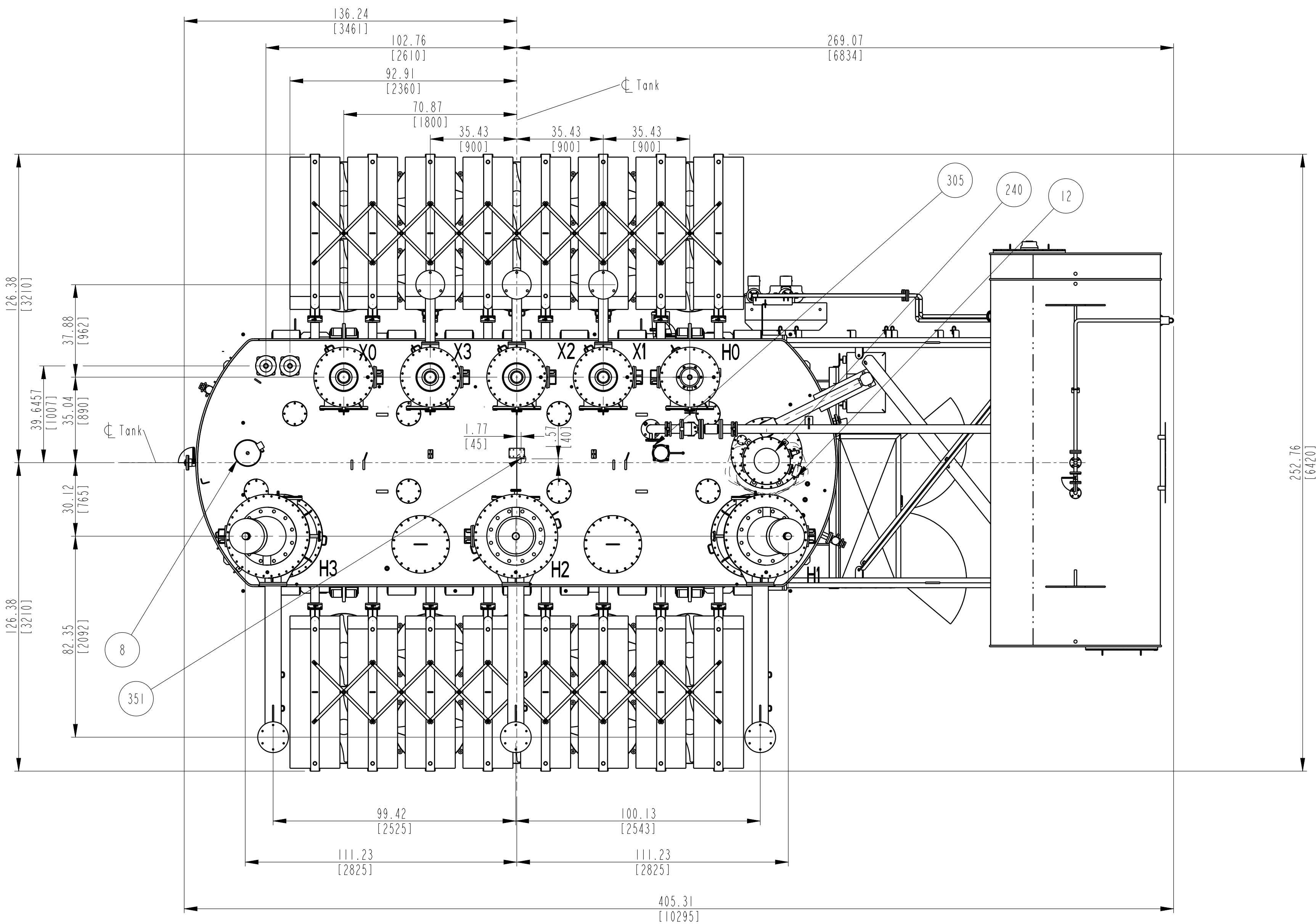
E

351	1	Center of gravity complete	
310	1	Hydran M2 Transmitter	Hydran/GE
305	1	Core grounding panel	Active part grounding/ABB
266	1	Expansion joint	D=3" DIN/Senior
262	16	Radiator	Lifted/TTP
240.2	1	Motor drive - BUL 2	BUL2
240	1	On Load tap changer	VUCGRN 380/700111/ABB
220.5	2	TV Bushing	O+C - 025W0412AT/ABB
220.3	4	LV / LV neutral Bushing	O+C - 034W4000BJ/ABB
220.2	1	HV neutral	O+C - 069Z0412AN/ABB
220.1	3	HV Bushing	O+C - 196W2000XB/ABB
215	4	Earthing terminal for cable from 1/0 to 4/0 AWG	ABB
200.3	3	Tank Manhole	D=450
165	4	Jacking support	Steel/ABB
164	8	Pulling device	Steel/ABB
162	4	Transformer Lifting device	Lifting/ABB
148.2	1	Shut-off valve D=1 1/2" NPT for CORESENSE gas monitor-Brass, Ball	BR25410009-16/ABB
148	32	Air release plug M12 for radiator	M12/TTP
147.3	1	Shut-off valve D=1" NPT for OLTC oil conservator-protective relay-Brass, Ball	BR25410009-14/ABB
147.1	1	Equalization valve D=1" for oil conservator and rubber bag- Brass, Ball	BR25410009-14/ABB
147	32	Drain plug M12 for radiator	M12/TTP
143.1	2	Shut-off butterfly valve D=3"	D=3"/Marangoni
143	32	Shut-off butterfly valve D=3"	D=3"/Marangoni
141.5	1	Vacuum valve D=3" NPT for main tank-Stainless steel, Ball	1ZBR100009-22/ABB
141.1	1	Filter valve D=2" w/ adapter D=1 1/2"-1/2"NPT for main tank-Brass, Ball	BR25410009-18/ABB
140.4	1	Drain valve D=2"NPT w/ adapter D=1 1/2" NPT OLTC oil conservator-Brass, Ball	BR25410009-18/ABB
140.3	1	Drain valve D=2"NPT w/ adapter D=1 1/2" NPT for oil conservator-Brass, Ball	BR25410009-18/ABB
140.2	1	Drain,filter, sampler valve D=2"NPT w/ adapter D=1 1/2"-1/2"NPT-Brass, Ball	BR25410009-18/ABB
140.1	2	Drain & filter valve with built-in sampling device 5/16"	2" ANSI
125	6	Pocket for RTD and for control	Pocket/ABB
120.2	1	Oil filling nameplate of LTC conservator	Stainless/ABB
120.1	1	Oil filling nameplate of main conservator	Stainless/ABB
120	1	Nameplate	Stainless/ABB
106	1	Gas sampling device	Comem
103	1	Maintenance free dehydrating breather, main tank conservator-240VAC/DC	MTraB-DB200D-T/Messko
102	1	Maintenance free dehydrating breather, OLTC conservator-240VAC/DC	MTraB-DB100/Messko
100.2	1	LTC Oil conservator	D1750/ABB
100.1	1	Main Oil Conservator with rubber bag	D1750/ABB
82	1	Control Cabinet with shock mounting 1500x1700	1500x1700
81	10	CT's Terminal Box	Celectra
62	20	Fan	F26/Krenz Vent
12	1	OLTC - Pressure relay	ABB
9	1	Fault Pressure	Qualitrol Model 900-003
8	1	Relief vent device with micro switch	Messko
4	2	Winding temp. thermometer(Compact) L=6m	MT-ST160WR/TT
3	1	Oil temp. thermometer(Compact) L=8m	MT-ST160SK/TT
2.2	1	Oil level indicator for LTC conservator	Magnetic/Qualitrol
2.1	1	Oil level indicator for conservator	Magnetic/Qualitrol
1	1	Buchhloz relay with alarm contact and triping	MSafe/Messko
ITEM	QTD.	DESCRIPTION	TYPE /MANUFACTURER

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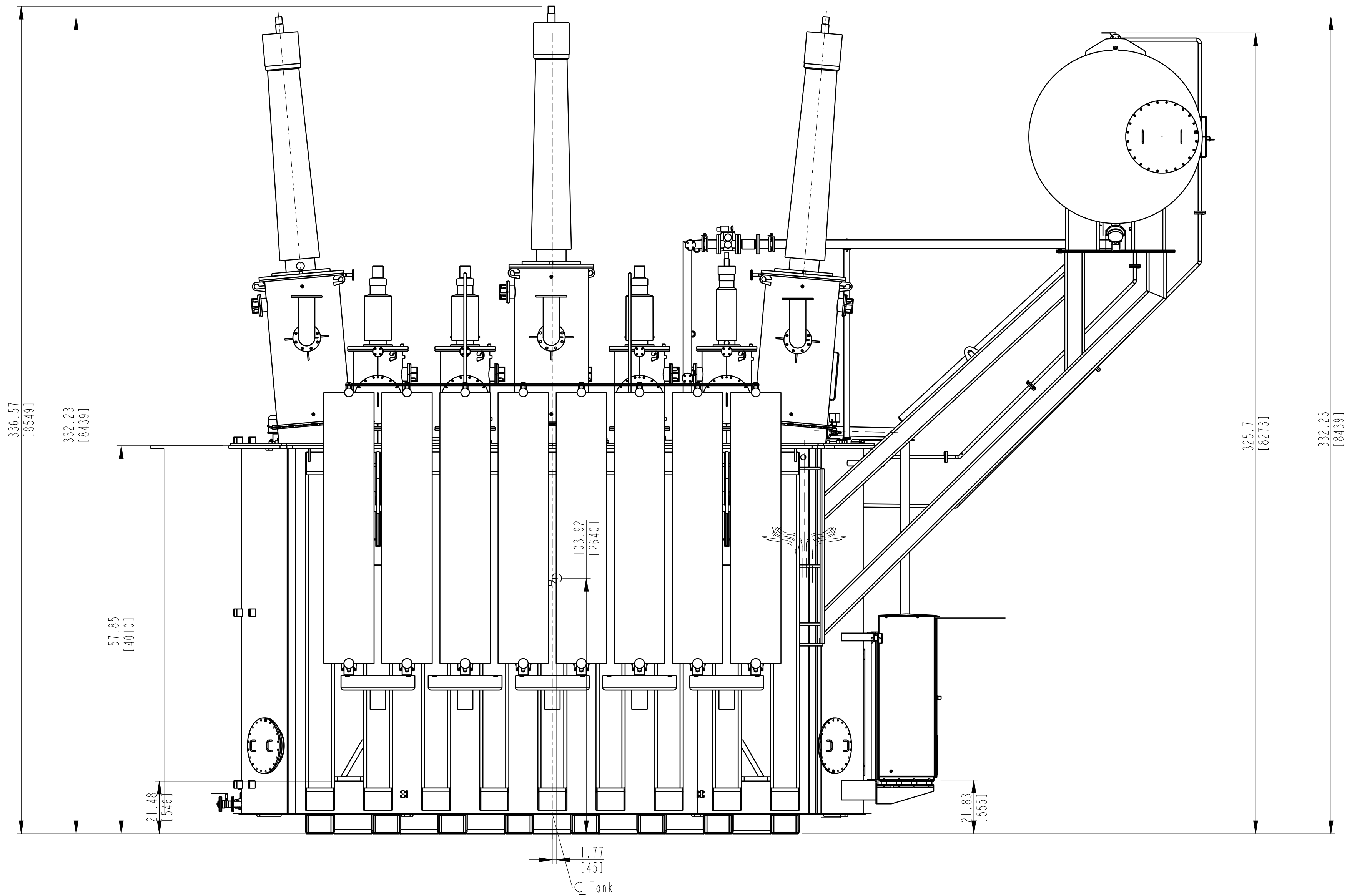
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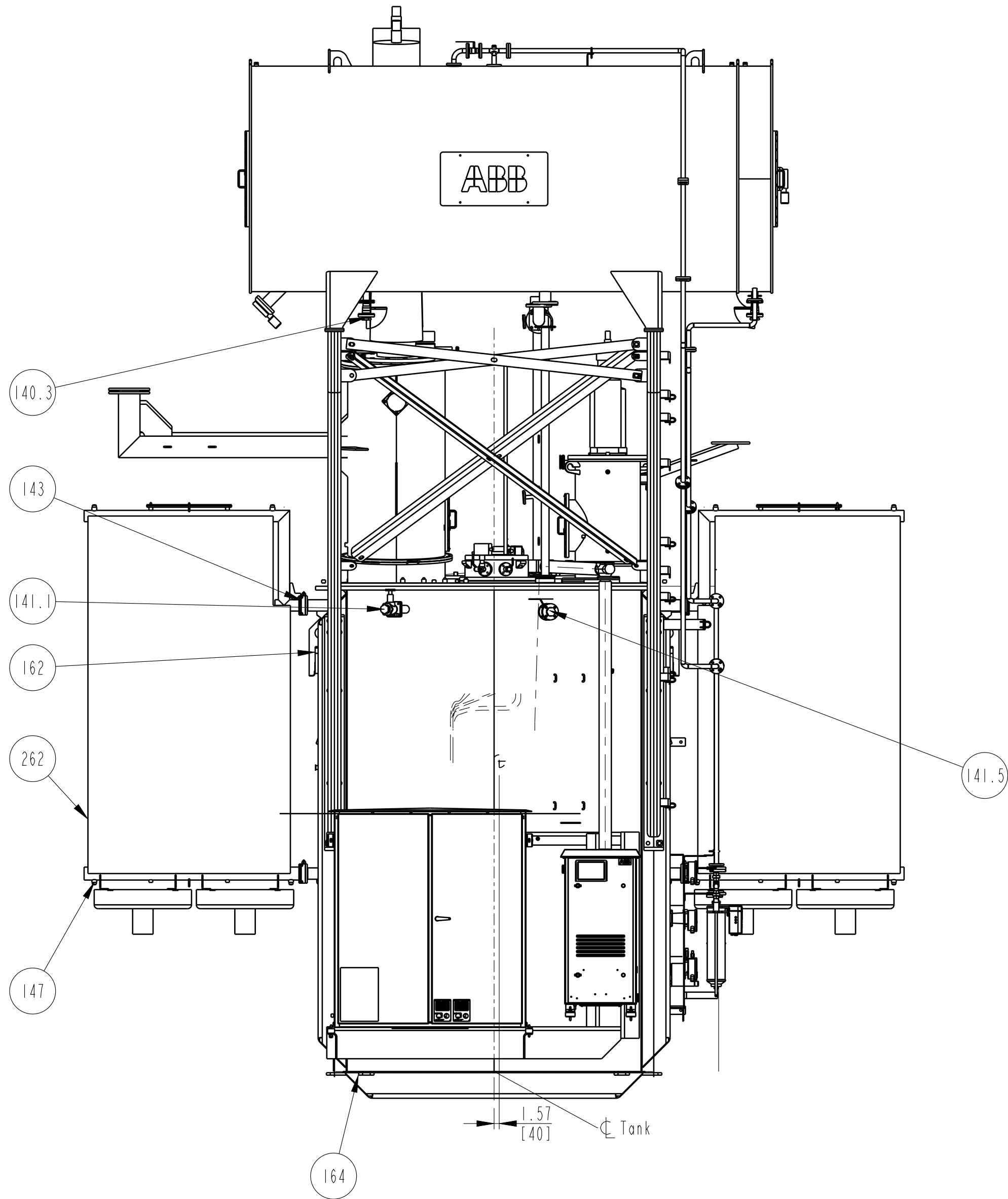
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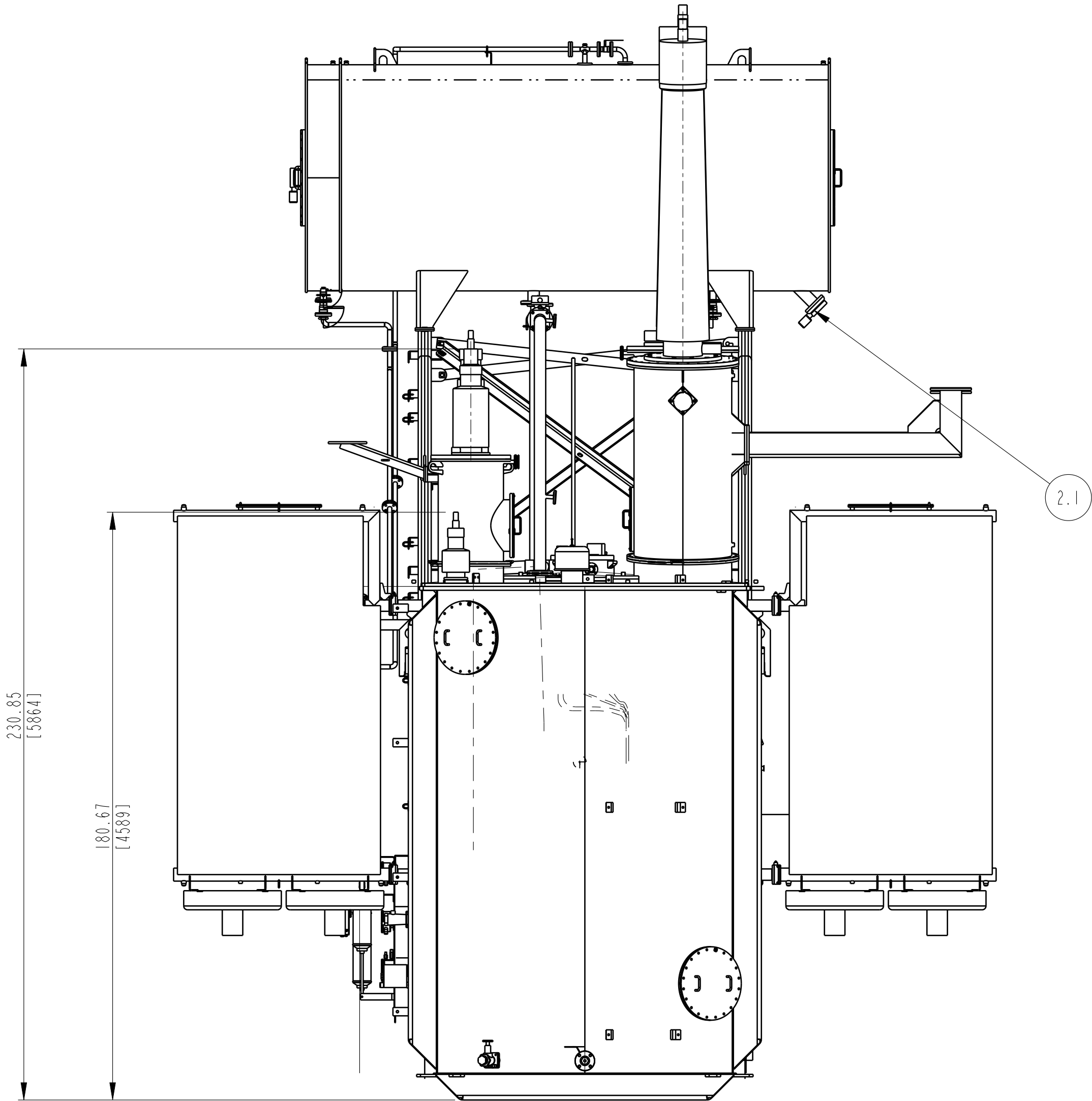
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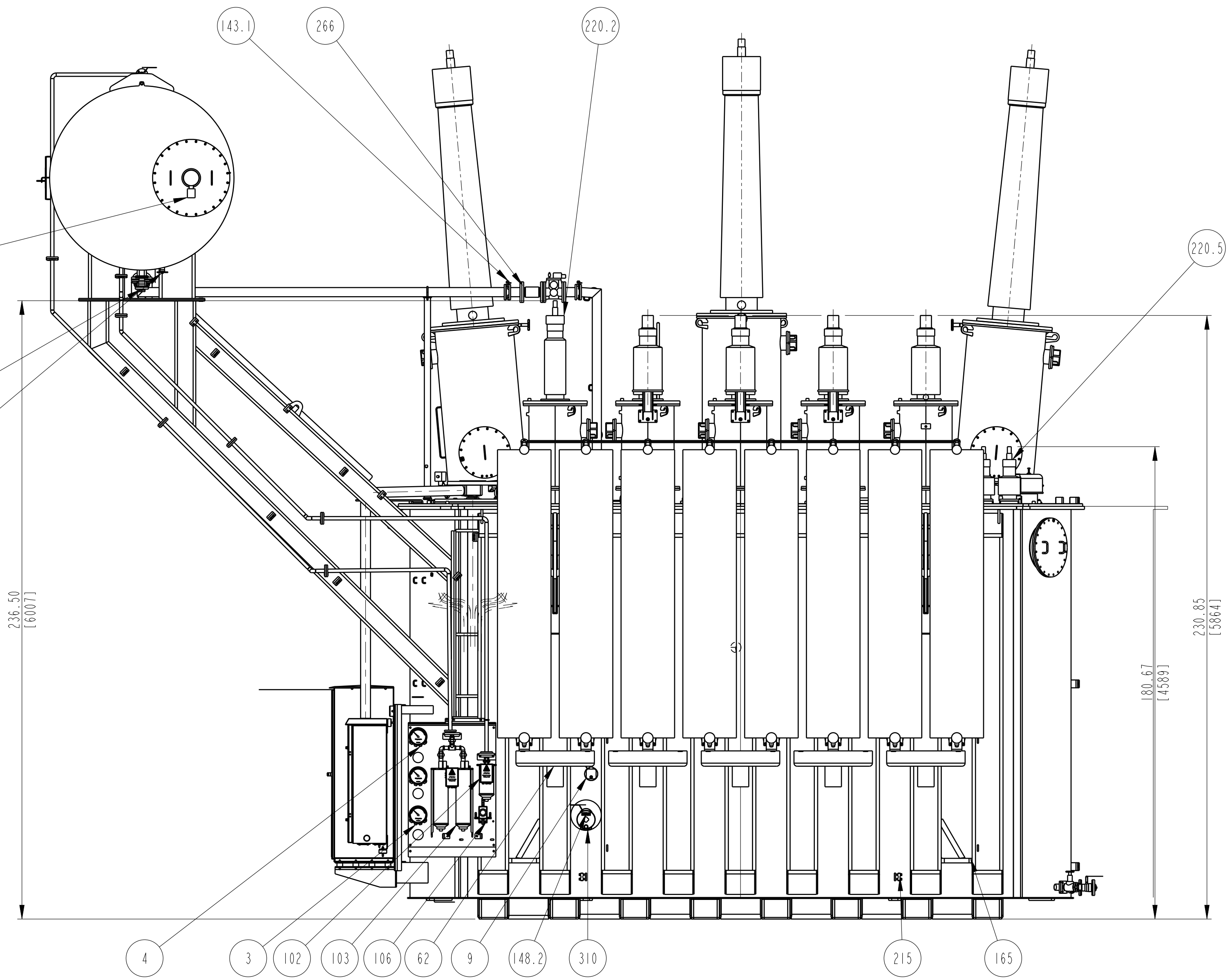


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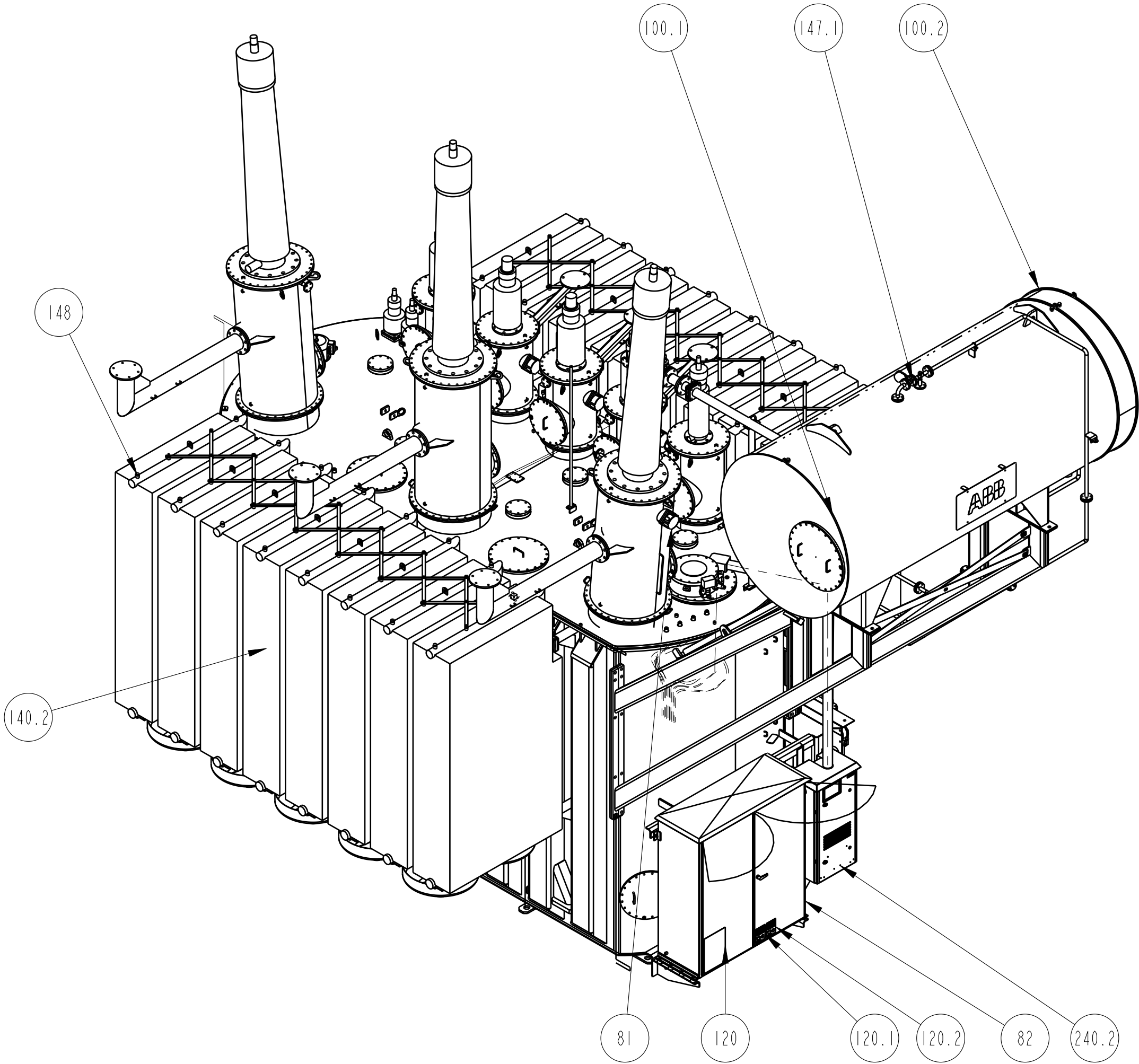
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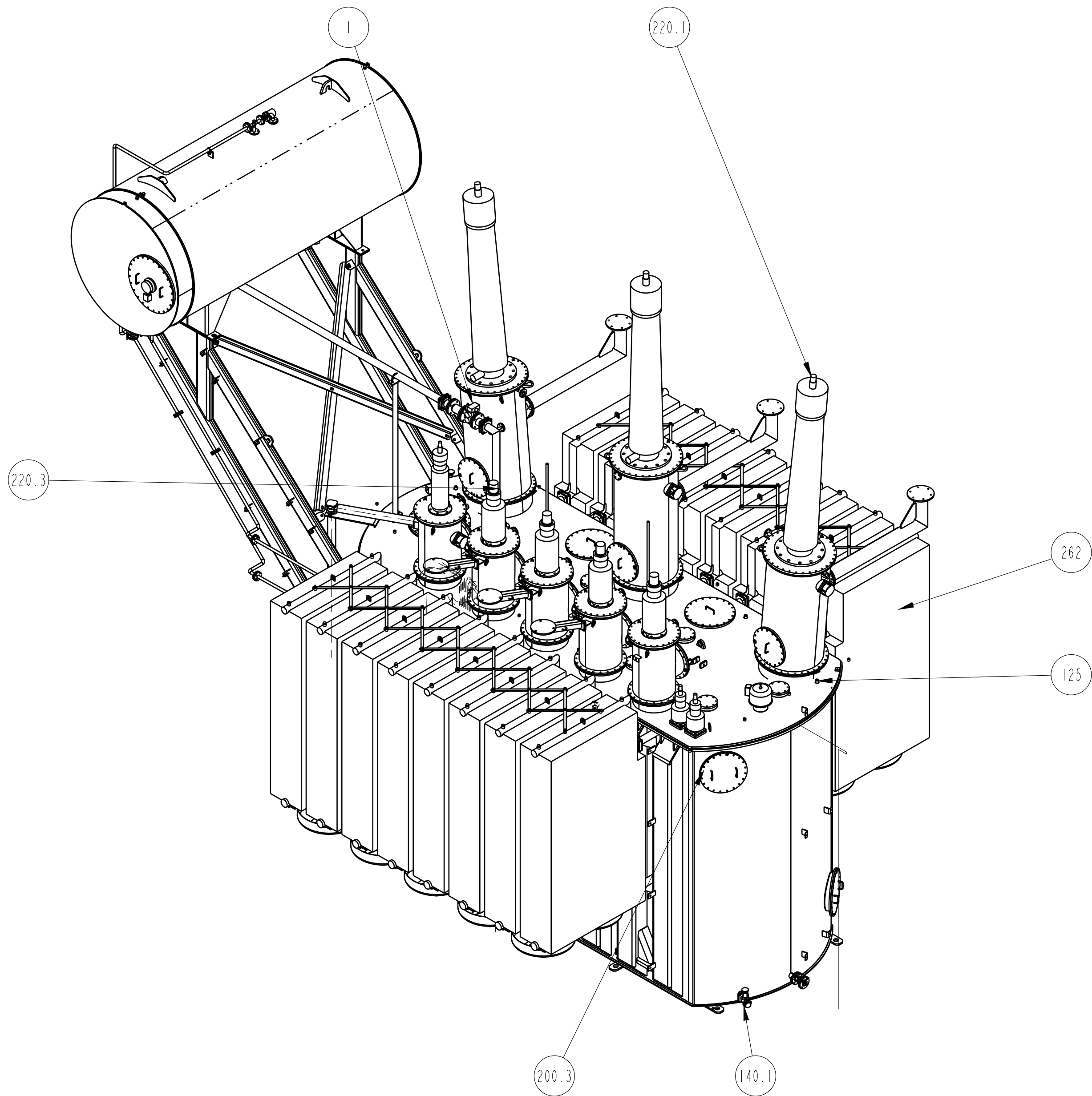


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