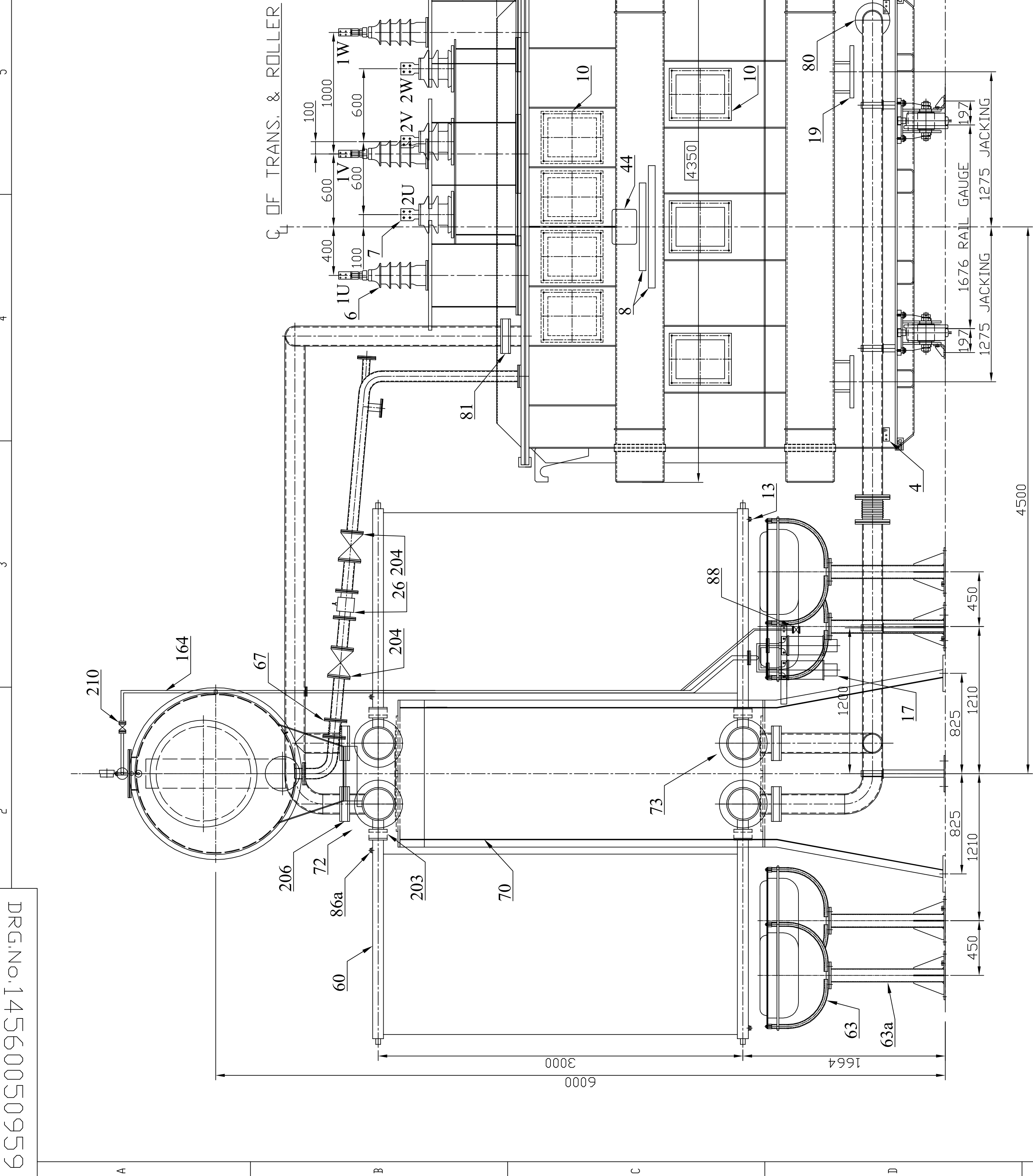


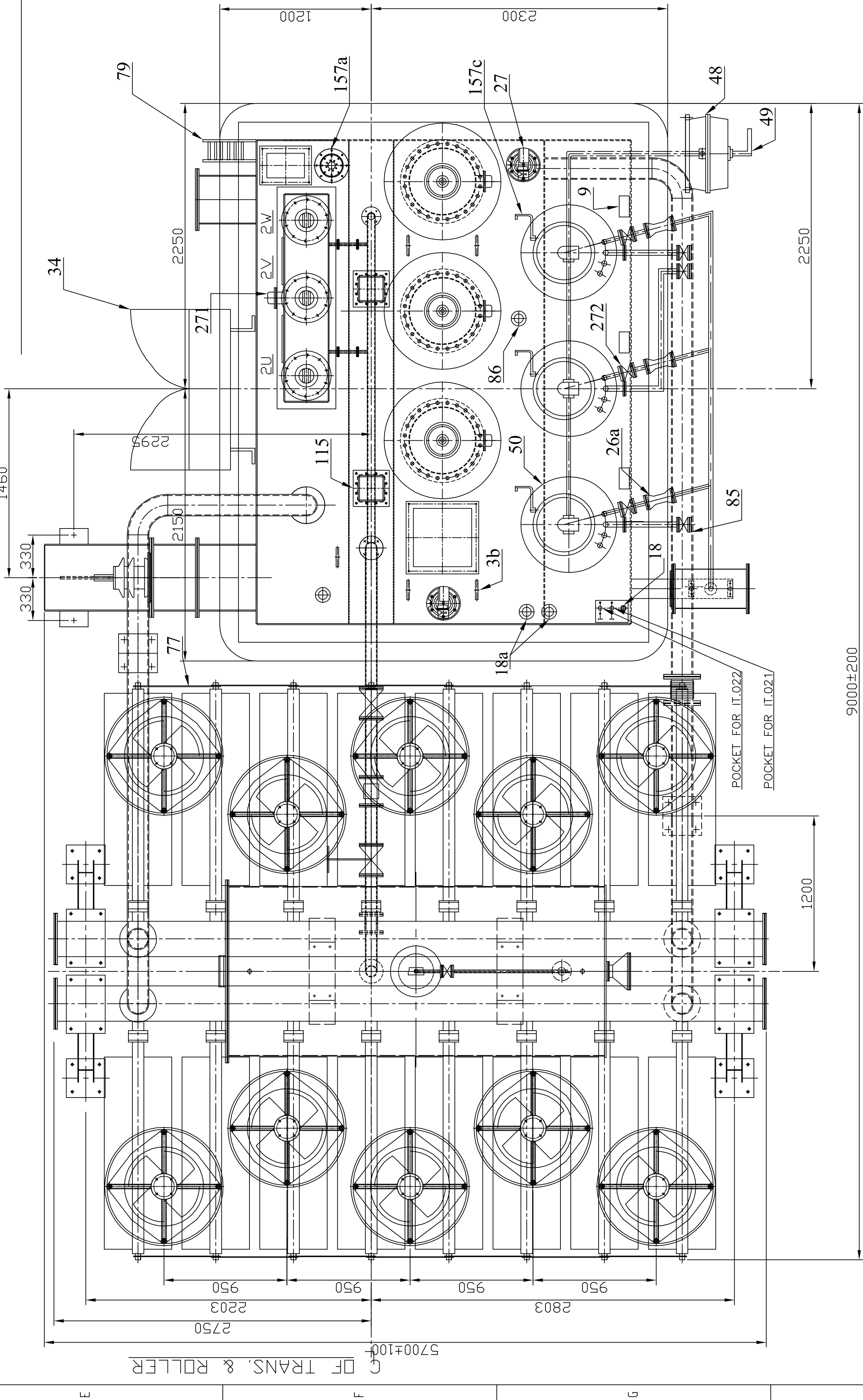
First Angle Projection

65605009541-01.DWG

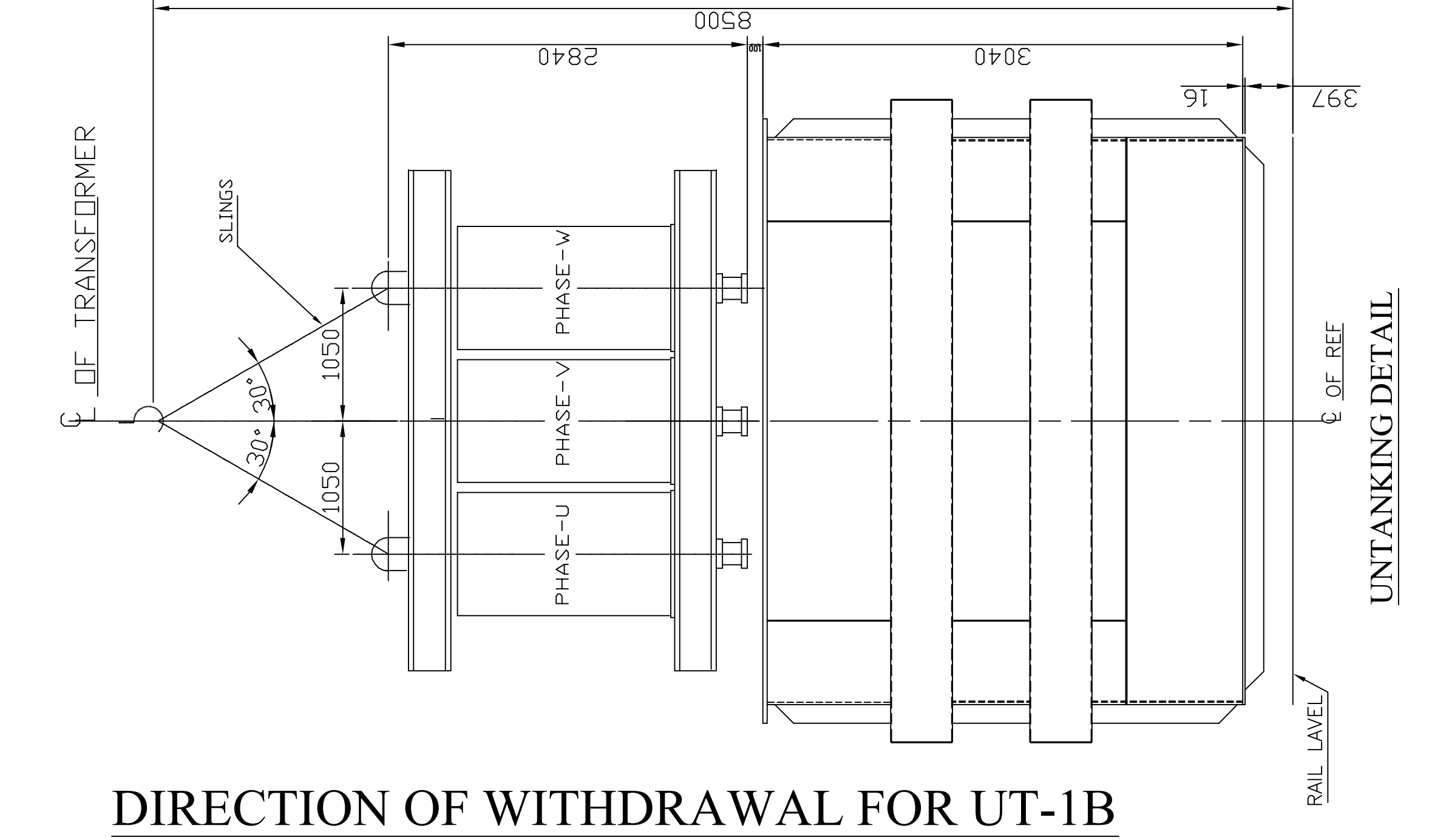
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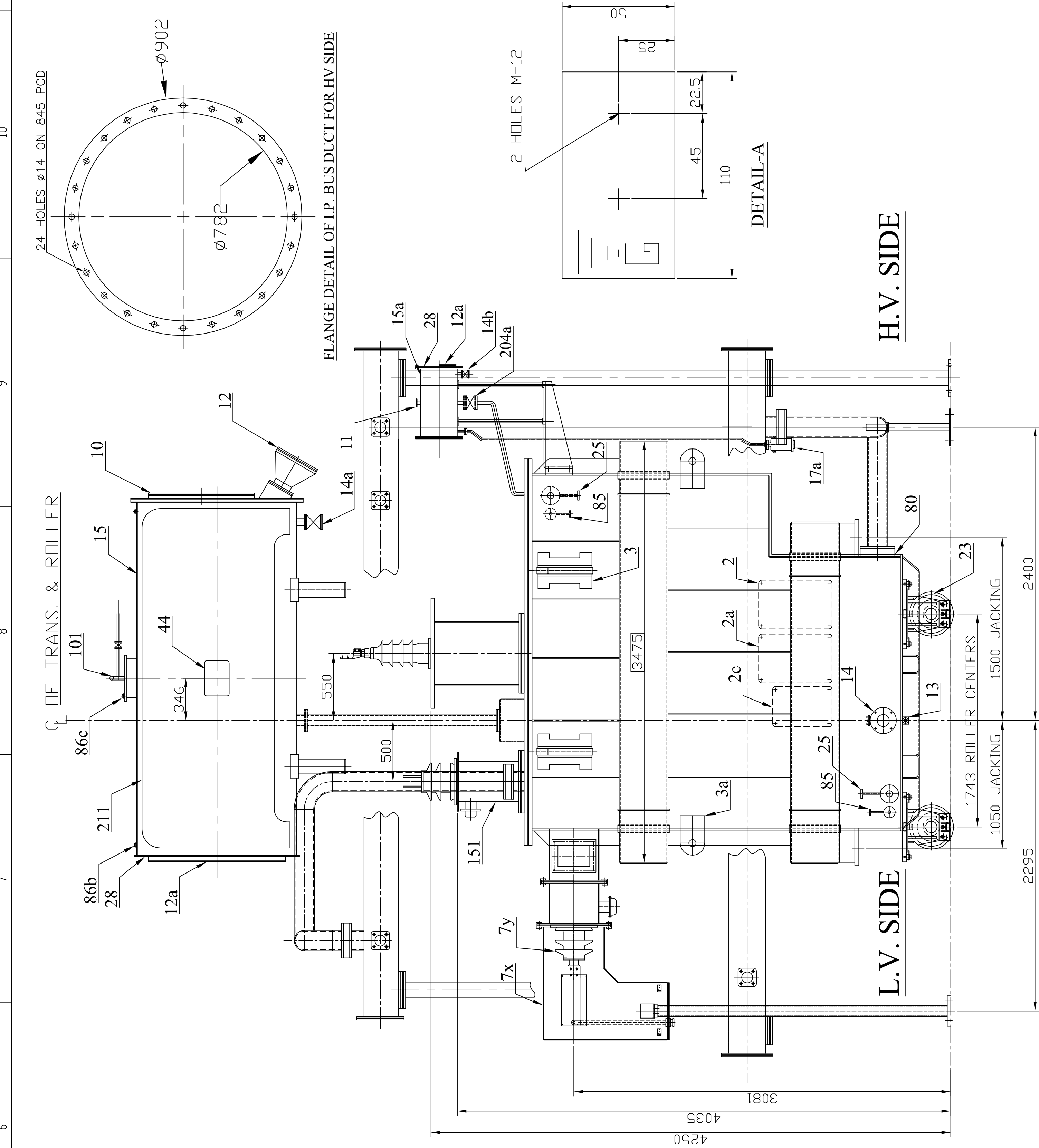
DIRECTION OF WITHDRAWAL FOR UT-1A



DIRECTION OF WITHDRAWAL FOR UT-1B



UNTANKING DETAIL

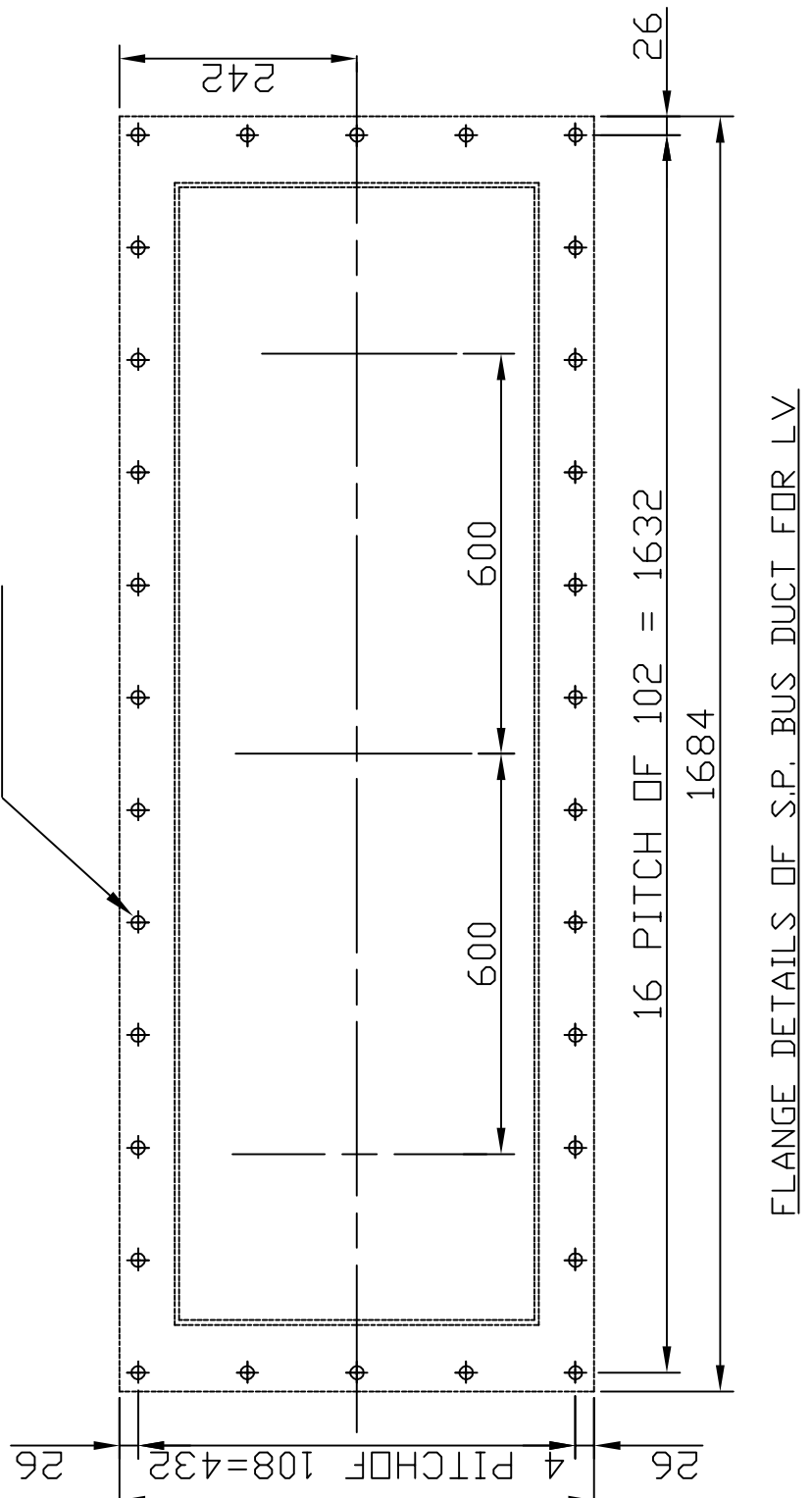


H.V. SIDE

L.V. SIDE

DETAIL-A

FLANGE DETAILS OF S.P. BUS DUCT FOR LV



SL. NO.	DESCRIPTION	QTY
1	FLANGE	1
2	FLANGE HOLES	1
3	FLANGE HOLES	1
4	FLANGE HOLES	1
5	FLANGE HOLES	1
6	FLANGE HOLES	1
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91	FLANGE HOLES	1
92	FLANGE HOLES	1
93	FLANGE HOLES	1
94	FLANGE HOLES	1
95	FLANGE HOLES	1
96	FLANGE HOLES	1
97	FLANGE HOLES	1
98	FLANGE HOLES	1
99	FLANGE HOLES	1
100	FLANGE HOLES	1

NOTES:-

1. WHEN REFERING THIS DRG. STATE 37.5 MVA & WIND. 7171A18000
2. DIMENSIONS MARKED THIS ARE OVER ALL SHIPPING
3. P.V.C. S.W.A. PVC ARMURED CABLE WIRING UP TO MARSHALLING BOX ARE SUPPLIED BY BHEL
4. BUTTERFLY VALVE SHOWN IN THIS DRG. FOR CLARITY. IT IS NOT SUPPLIED BY BHEL
5. OUT SIDE PAINTING SHALL BE EPOXY LIGHT GREY PAINT TO SHADE NO 631 OF IS-5.

ITEM NO.	DESCRIPTION	QTY.
1	COMBINED RATING & DIAGRAM PLATE (HINDI & ENGLISH)	01
2	VALVE SCHEDULE PLATE	01
3	OIL FILLING INSTRUCTION PLATE	01
4	LIFTING LUGS	01
5	LIFTING LUGS ON COVER	01
6	EARTHING TERMINAL ON TANK	01
7	H.V. LINE TERMINALS 36 KV, 3150 AMP.	01
8	L.V. LINE TERMINALS 17.5 KV, 5000 AMP.	01
9	L.V. CABLE BOX	01
10	L.V. BUSHING 17.5 KV, 5000 AMP.	01
11	NAME PLATE (HINDI & ENGLISH)	01
12	INSTRUCTION PLATE FOR D.T.C.	01
13	INSPECTION COVERS ON TANK COVER H.V. LV TURRET & MAIN CONSERVATOR	01
14	OIL FILLING HOLES ON D.T.C. CONSERVATOR	01
15	MAGNETIC OIL GAUGE WITH LOW OIL LEVEL ALARM FOR MAIN CONSERVATOR	01
16	PRESSURIZED OIL GAUGE FOR MAIN CORE & D.T.C. CONSERVATOR	01
17	DRAIN PLUG ON TANK RADIATORS	01
18	DRAIN VALVE ON TANK (100 NB B/F)	01
19	DRAIN VALVE ON D.T.C. CONSERVATOR (50 NB)	01
20	DRAIN VALVE ON D.T.C. CONSERVATOR (15 NB)	01
21	D.T.C. OIL CONSERVATOR 300 DIA. AIR CELL TYPE	01
22	D.T.C. OIL CONSERVATOR 300 DIA.	01
23	DEHYDRATING BREAKER FOR D.T.C. CONSERVATOR	01
24	DEHYDRATING BREAKER FOR D.T.C. CONSERVATOR	01
25	PICKETS FOR ORDINARY THERMISTOR WT & DTI	01
26	JACKING PAIRS	01
27	DTI (150mm DIA. SIZE)	01
28	WTI (150mm DIA. SIZE)	01
29	320 DIA. SINGLE BI-DIRECTIONAL FLANGED ROLLER WITH STOPPER ARRGT.	01
30	FILTER VALVE ON TANK & PIPE CURB 100 NB	01
31	BIPHOLZ RELAY (80NB)	01
32	OIL SURGE RELAY FOR D.T.C. (80NB)	01
33	PRESSURE RELIEF DEVICE	01
34	END COVER FOR MAIN CONSERVATOR & D.T.C. CONSERVATOR	01
35	MARSHALLING BOX	01
36	MOTOR DRIVING GEAR	01
37	HAND OPERATING HANDLE	01
38	ON LOAD TAP CHANGER	01
39	RADIATORS 64 RUNNING + 02 NDS. STANDBY	01
40	FAN & MOTOR (8 RUNNING + 02 NDS. STANDBY)	01
41	FAN SUPPORT	01
42	FLEXIBLE JOINT (8 NB & 150 NB)	01
43	RADIATOR SUPPORT FRAME	01
44	TOP HEADER	01
45	BRITISH TIE BAR	01
46	LADDER	01
47	OIL INLET VALVE ON TANK	01
48	OIL OUTLET VALVE ON TANK	01
49	SAMPLING VALVE (15 NB) ON TANK & D.T.C. (80 NB)	01
50	AIR RELEASE VALVE (15 NB) ON COVER	01
51	AIR RELEASE PLUG ON RADIATORS	01
52	AIR RELEASE PLUGS 3/4" BSP ON MAIN CONSERVATOR	01
53	AIR RELEASE PLUG 1/4" BSP ON MAIN CONSERVATOR	01
54	BIPHOLZ RELEASE COCK (6 NB)	01
55	PRESSURE GAUGE ON MAIN CONSERVATOR	01
56	LOCKING OF CORE ASSY TO TANK COVER	01
57	H.V. TURRET (DETACHABLE)	01
58	LV TURRET (DETACHABLE)	01
59	EARTHING CONNECTION BETWEEN CORE TO END FRAME & END FRAME TO TANK	01
60	EARTHING CONNECTION BETWEEN TOP TANK, TANK COVER	01
61	RADIATOR VALVE (60 NB BUTTERFLY)	01
62	CONSERVATOR SHUT-OFF VALVE (80 NB FOR MAIN CORES)	01
63	DISCONNECTING VALVE FOR RADIATOR BLANKING 100 NB	01
64	VALVE (80 NB) FOR BREAKER CONNECTION ON MAIN CONSERVATOR	01
65	FLEXIBLE SEPARATOR (AIR CELL)	01
66	C.T. TERMINAL BOX (4 KV 05 NDS. LV 01 NO. LVN 01 NO.)	01
67	ISOLATING VALVE FOR OIL SURGE RELAY	01

DESCRIPTION	WT. IN KG.
CORE & WINDINGS INCLUDING OIL ASSURIED	30000
TANK-FITTINGS INCLUDING RADIATORS & ACCESSORIES	24400
DIL. IN KG. (OIL QUANTITY IN LITERS = 31500)	28400
TOTAL WEIGHT	82800
SHIPPING WEIGHT (GAS FILLED)	40700

BUS DUCT CLEARANCES	
PHASE TO PHASE	PHASE TO EARTH
HV	330
LV	280
	90

ADDITIONAL INFORMATION	TYPE OF PRODUCT OR	02 NDS. 37.5 MVA, 16.5/6.9 KV DNAME/DNAME
STATUS OF DRAWING	COOLED UNIT AUX. TRFR.	
DISTRIBUTION OF PRINTS	NAME OF CUSTOMER/PROJECT	M/S--NTPC SAIL POWER COMP.PVT. LTD.
REV	DATE	DATE
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12

SIGNATURE NOT REQUIRED AS IT IS SYSTEM GENERATED DRAWING

SIZE A1