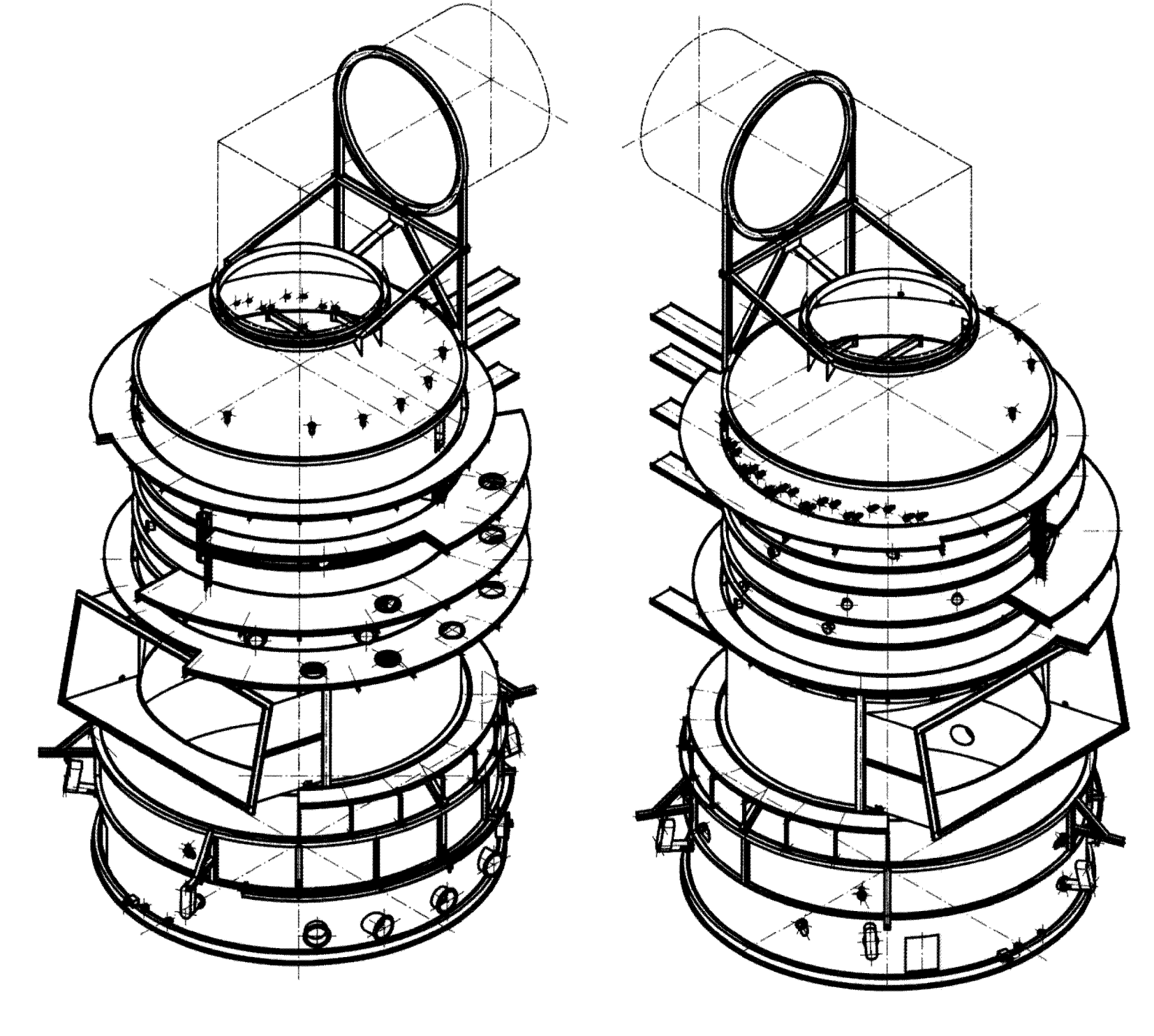
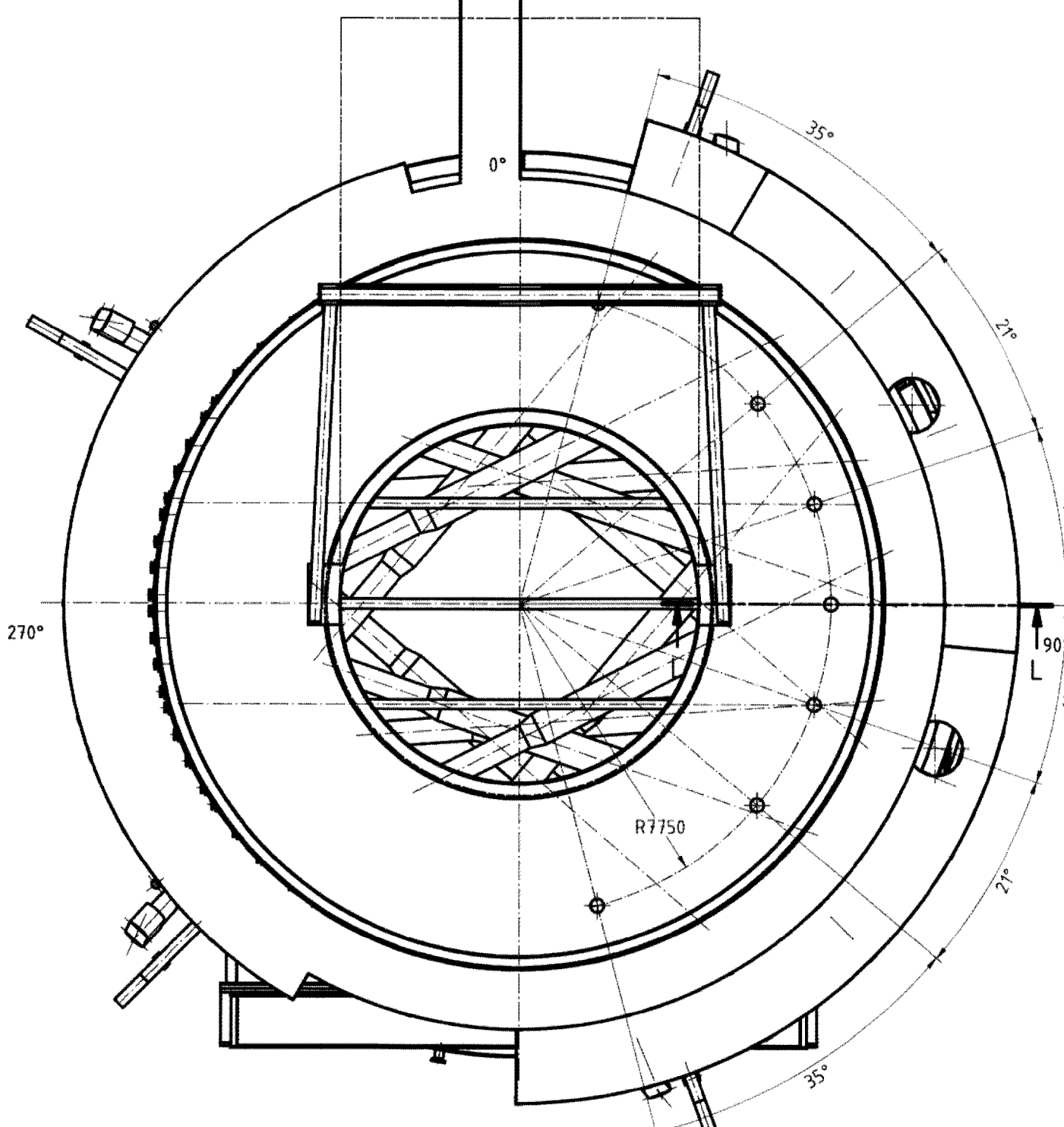
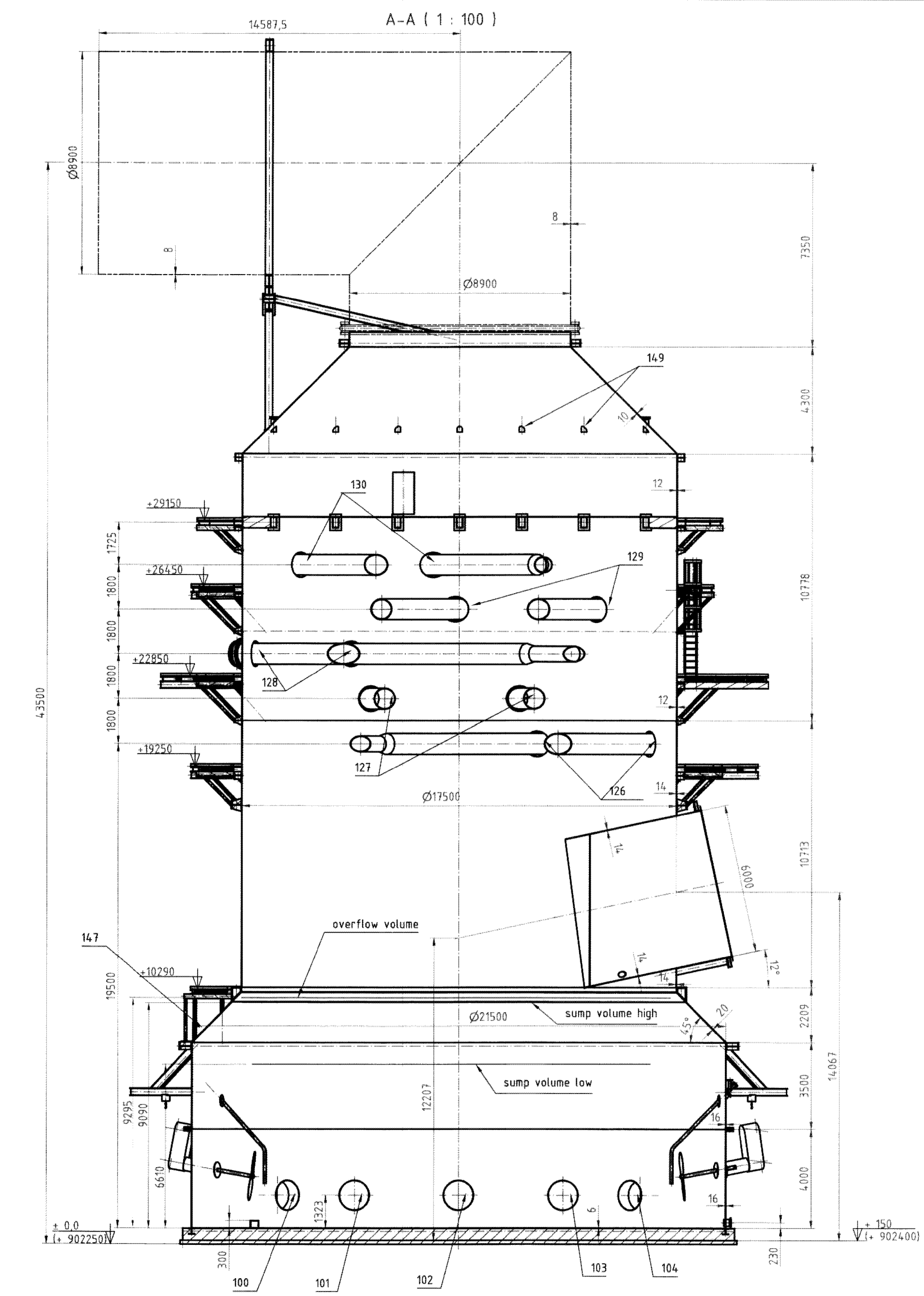
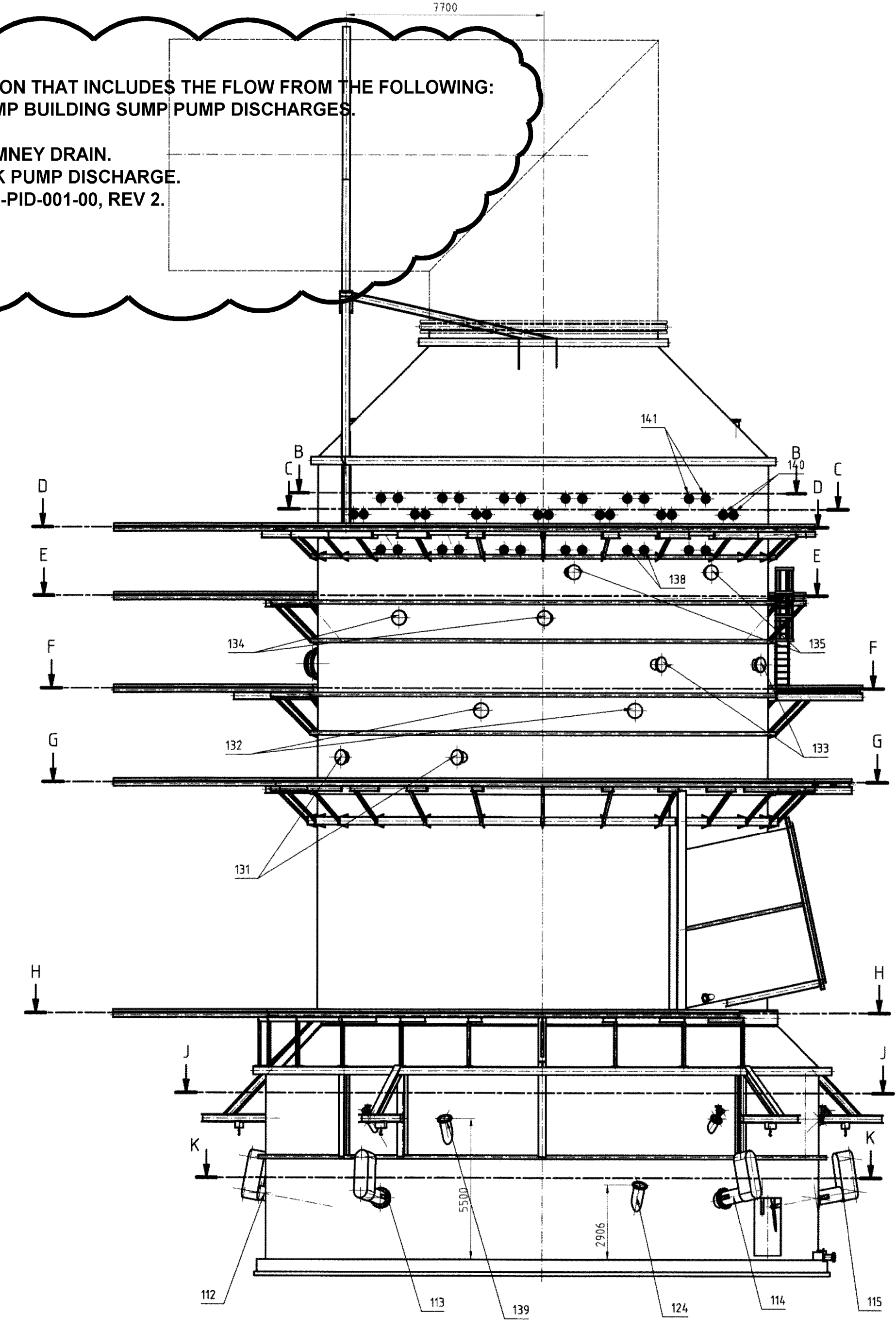
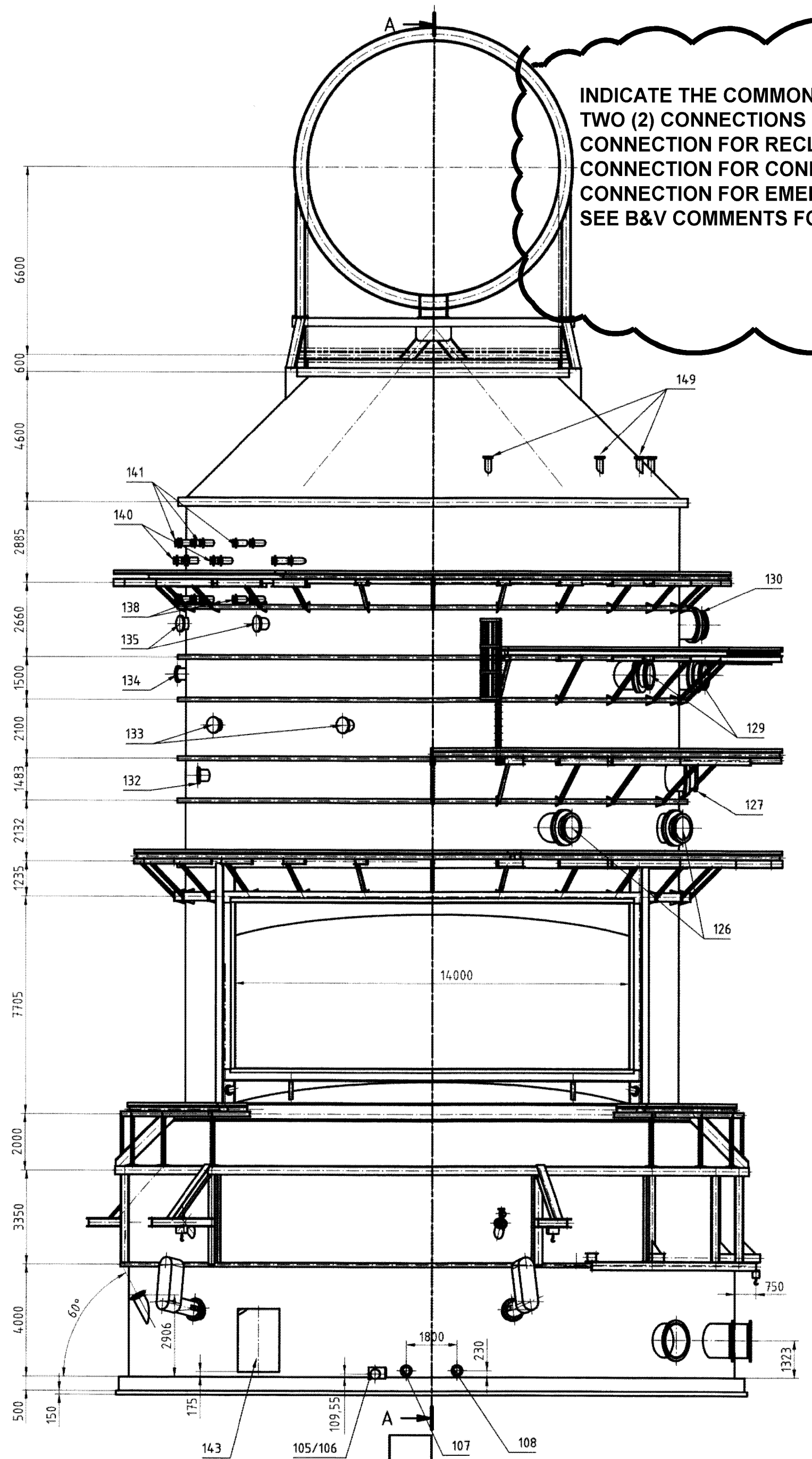


INDICATE THE COMMON HEADER CONNECTION THAT INCLUDES THE FLOW FROM THE FOLLOWING:
 TWO (2) CONNECTIONS FOR ABSORBER PUMP BUILDING SUMP PUMP DISCHARGES.
 CONNECTION FOR RECLAIM TANK 1/2.
 CONNECTION FOR CONDENSATE FROM CHIMNEY DRAIN.
 CONNECTION FOR EMERGENCY DRAIN TANK PUMP DISCHARGE.
 SEE B&V COMMENTS FOR SM P&ID 006265-R-PID-001-00, REV 2.



Nozzle	qty	level	anglet*	description	blindfig	DN	PN
100	1	+1.973	370°	suction line pump level 1		800	10
101	1	+1.973	0°	suction line pump level 2		800	10
102	1	+1.973	0°	suction line pump level 3		800	10
103	1	+1.973	0°	suction line pump level 4		800	10
104	1	+1.973	0°	suction line pump level 5		800	10
105	1	+0.759	190°	flushing nozzle	X	80	10
106	1	+0.759	190°	flushing nozzle	X	80	10
107	1	+0.48	190°	discharge agitator pump		250	10
108	1	+0.88		discharge agitator pump 1		250	10
109	1			level measuring	X	80	10
110	1			level measuring	X	80	10
111	1	+3.05	285°	agitator 1	X	600	10
112	1	+3.05	215°	agitator 2	X	600	10
113	1	+3.05	140°	agitator 3	X	600	10
114	1	+3.05	75°	agitator 4	X	600	10
115	1	+3.05	75°	agitator 4	X	600	10
116	1	+2.90	210°	flushing agitator 1	DN50 lances	80	10
117	1	+2.90	135°	flushing agitator 2	DN50 lances	80	10
118	1	+2.90	70°	flushing agitator 3	DN50 lances	80	10
119	1	+2.90	0°	flushing agitator 4	DN50 lances	80	10
120	1	+5.5	239°	ox-air / agitator 1	DN200 lances	300	10
121	1	+5.5	217°	ox-air / agitator 2	DN200 lances	300	10
122	1	+5.5	142°	ox-air / agitator 3	DN200 lances	300	10
123	1	+5.5	77°	ox-air / agitator 4	DN200 lances	300	10
124	1	+2.9	190°	overflow pipe		400	10
125	4			commissioning	X	80	10
126	2	+20.15		spray bank 1	DN800 lances	1000	10
127	2	+21.95		spray bank 2	DN800 lances	1000	10
128	2	+23.15		spray bank 3	DN800 lances	1000	10
129	2	+25.55		spray bank 4	DN800 lances	1000	10
130	2	+27.35		spray bank 5	DN800 lances	1000	10
131	2	+20.15		supporting main pipe 1	X	400	10
132	2	+21.95		supporting main pipe 2	X	400	10
133	2	+23.15		supporting main pipe 3	X	400	10
134	2	+25.55		supporting main pipe 4	X	400	10
135	2	+27.35		supporting main pipe 5	X	400	10
136	10			commissioning	X	80	10
137	1			ventilation overflow		150	10
138	12	+28.215		flushing lances TA	DN125 lances	200	10
139	1	+5.5	200°	backflow pipe		400	10
140	14	+29.6		flushing lances TA	DN125 lances	200	10
141	12	+30.235		flushing lances TA	DN125 lances	200	10
142	1			delta pressure TA		80	10
143	1		125°	erection door	X	1750x2750	10
144	2			manhole spray bank 1	X	800	10
145	2			manhole spray bank 2	X	800	10
146	2			manhole spray bank 3	X	800	10
147	1			erection door TA	X	900x1700	10
148	1			manhole TA	X	800	10
149	7	+32.58		nozzle for TA-revision	X	200	10
150							

data of absorber			
water hazard class	1	operating pressure	+5bar
sump volume low	2400m3	medium density	kg/m3
sump volume high	3200m3	material	S235
overflow volume	3261m3	tank protection inside	rubber lining
design temperature	80 °C	bottom	double rubber lining
operating temperature	53 °C	inlet duct	coating + PFA
design pressure	-20/+20 mbar	tank protection outside	transit painting
		insulation	2 layers 50mm, 2mm cladding
fabrication load	4.310t		
operation load	4.2.025kN		



Final

Note:
All remaining backflow pipes go to the backflow nozzle 139

09									
08									
07									
06									
05									
04	04	04	04	04	04	04	04	04	04
03	03	03	03	03	03	03	03	03	03
02	02	02	02	02	02	02	02	02	02
01	01	01	01	01	01	01	01	01	01
00	00	00	00	00	00	00	00	00	00

Medupi Power Station
Process Area Arrangement
absorber 1 + 4
overview

Scale: 1:100

ESKOM Enterprises

SPF: 0.84/38429