

WORKING CONDITIONS:

- The circulation tank will be installed in the electrochemical pickling section of an annealing and pickling line for stainless steel in P.R.CHINA.
- The tank will be transported only empty.
- During operation the tank will be filled from top with a capacity of approx. 400 m³/h.
- Tank and rubber parts have to be resistant against the specified medium.
- The complete plant is normally in continuous operation. The plant may be stopped for instance on weekends. Then the medium may cool down to 5°C.
- The tank will be cleaned with water with a temperature of max. 35°C. Then the tank may be inspected inside.
- The tank will be connected to the exhaust system of the plant. The exhausted air will enter through the overflow of the tank, so there results no significant underpressure in the tank.

MEDIUM:

H2S04 with: max. 350g/l H2S04
max. 60g/l metal
max. 2g/l unsolved scale
temperature: max. 100°C
density: approx. 1,35kg/dm³

MATERIALS:

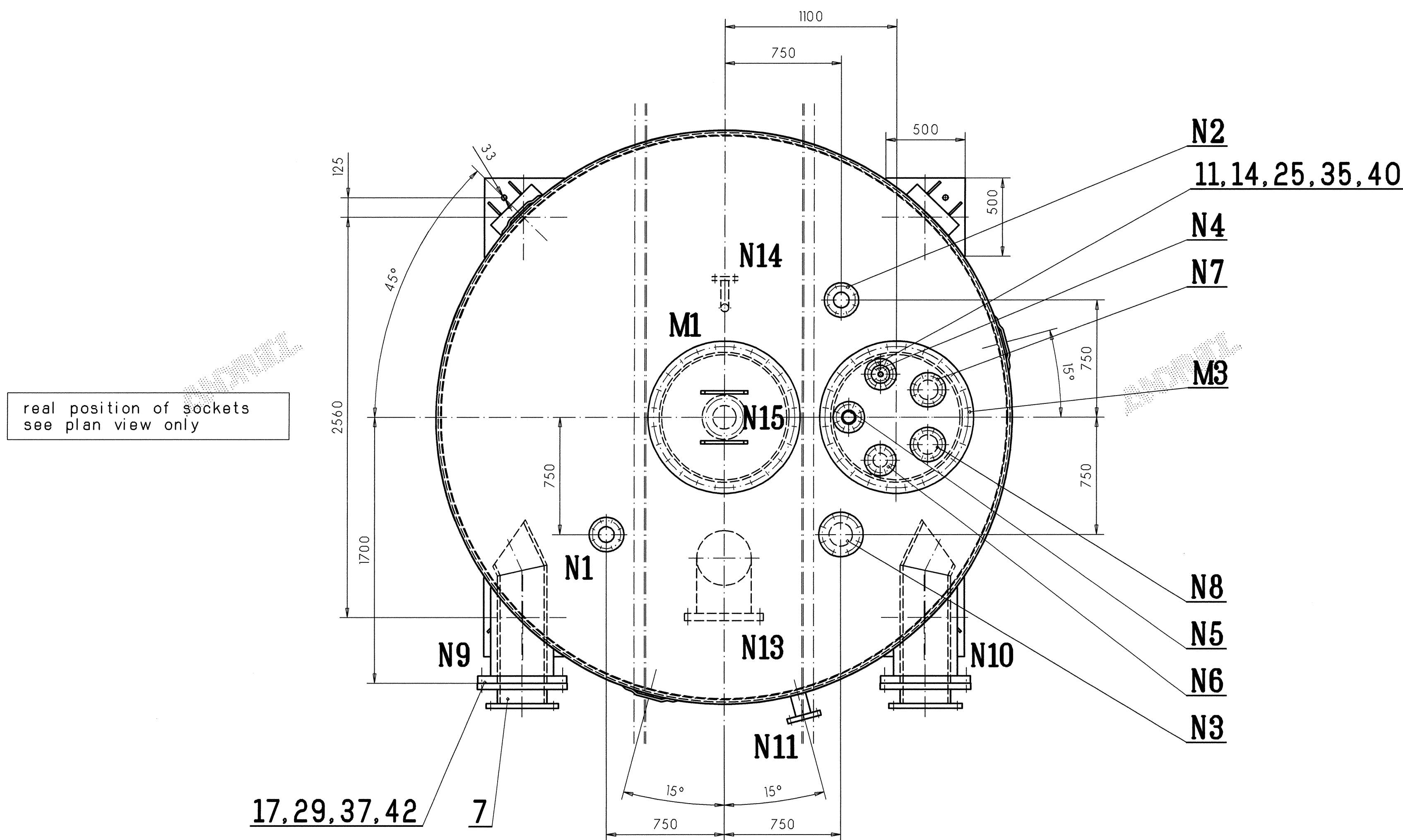
Tank and sockets : fiber reinforced plastic
Gaskets : EPDM/PTFE
Supporting Structure : mild steel with acid resistant coating

TEST:

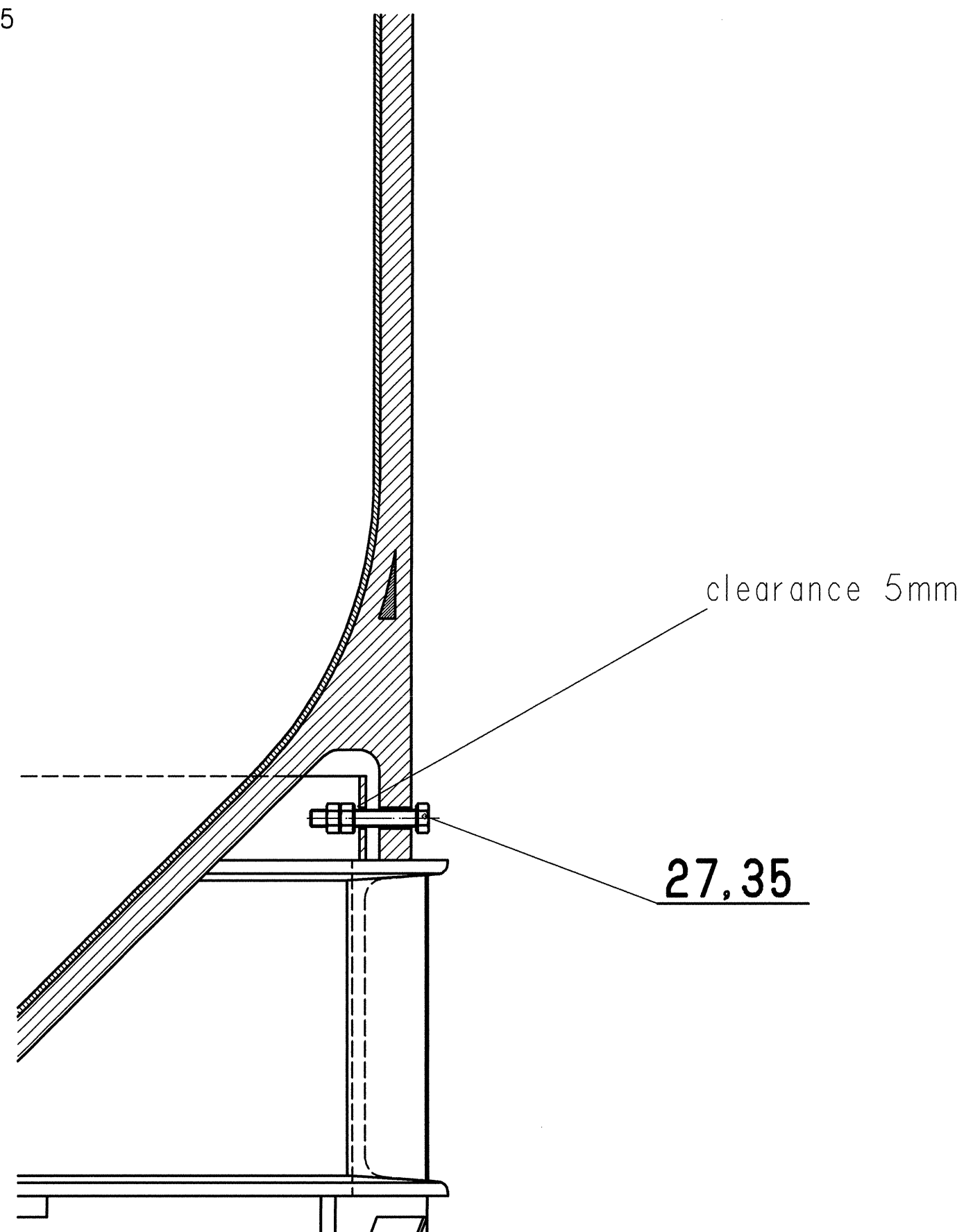
Leakage test by filling with water at 0,1 bar additional pressure and ambient temperature.

NAMEPLATE:

- The tank has to be equipped with a nameplate containing the following data:
 - Manufacturer
 - Year of production
 - Complete title of the tank
 - Medium
 - Maximum capacity
 - Empty weight
- Material of nameplate: stainless steel



detail X
1:5



ITEM	DN	PN	DENOMINATION
M1	800	-	MANHOLE WITH COVER
M2	-	-	-
M3	800	-	INLET SOCKET
N1	100	10	EXHAUST SYSTEM
N2	100	10	LEVEL CONTROL
N3	150	10	SPARE WITH BLIND FLANGE
N4	80	10	INLET H2S04
N5	80	10	INLET INDUSTRIAL WATER
N6	80	10	SPARE WITH BLIND FLANGE
N7	100	10	SPARE WITH BLIND FLANGE
N8	100	10	SPARE WITH BLIND FLANGE
N9	400	10	BACKFLOW
N10	400	10	BACKFLOW
N11	100	10	OVERFLOW
N12	-	-	-
N13	350	10	SUCTION SOCKET
N14	50	10	TEMPERATURE INDICATOR
N15	150	10	DRAIN

COLD ROLLING STAINLESS STEEL PLANT			
DWG No.	SHEET	OF	ASSEMBLY DWG No.
DWG No.	PAGE	REV.	MARK
JISCO			
ANDRITZ			
ANDRITZ AG WIEN AUSTRIA			
0 OK 94809			
B			
D1			
42802			