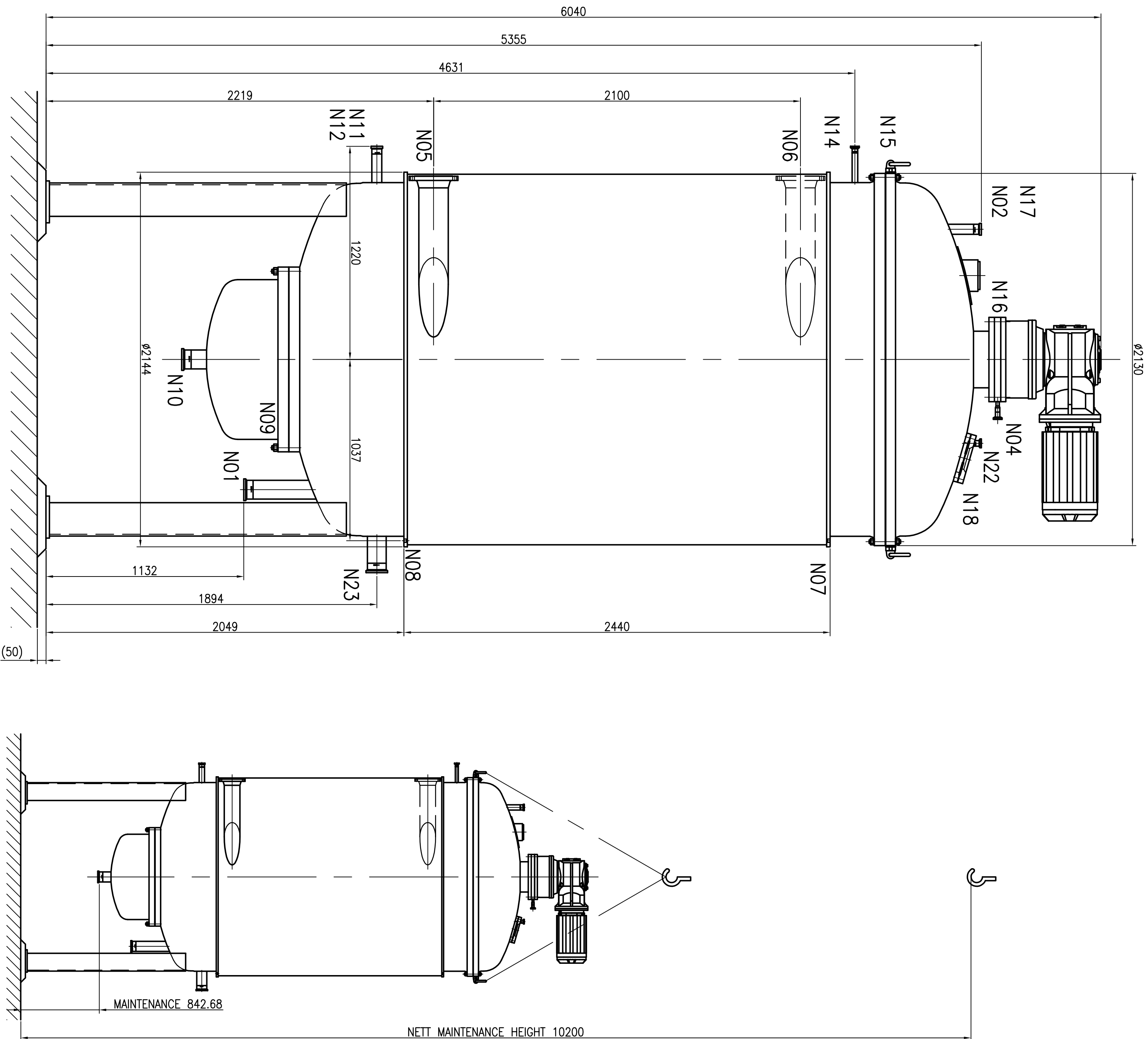
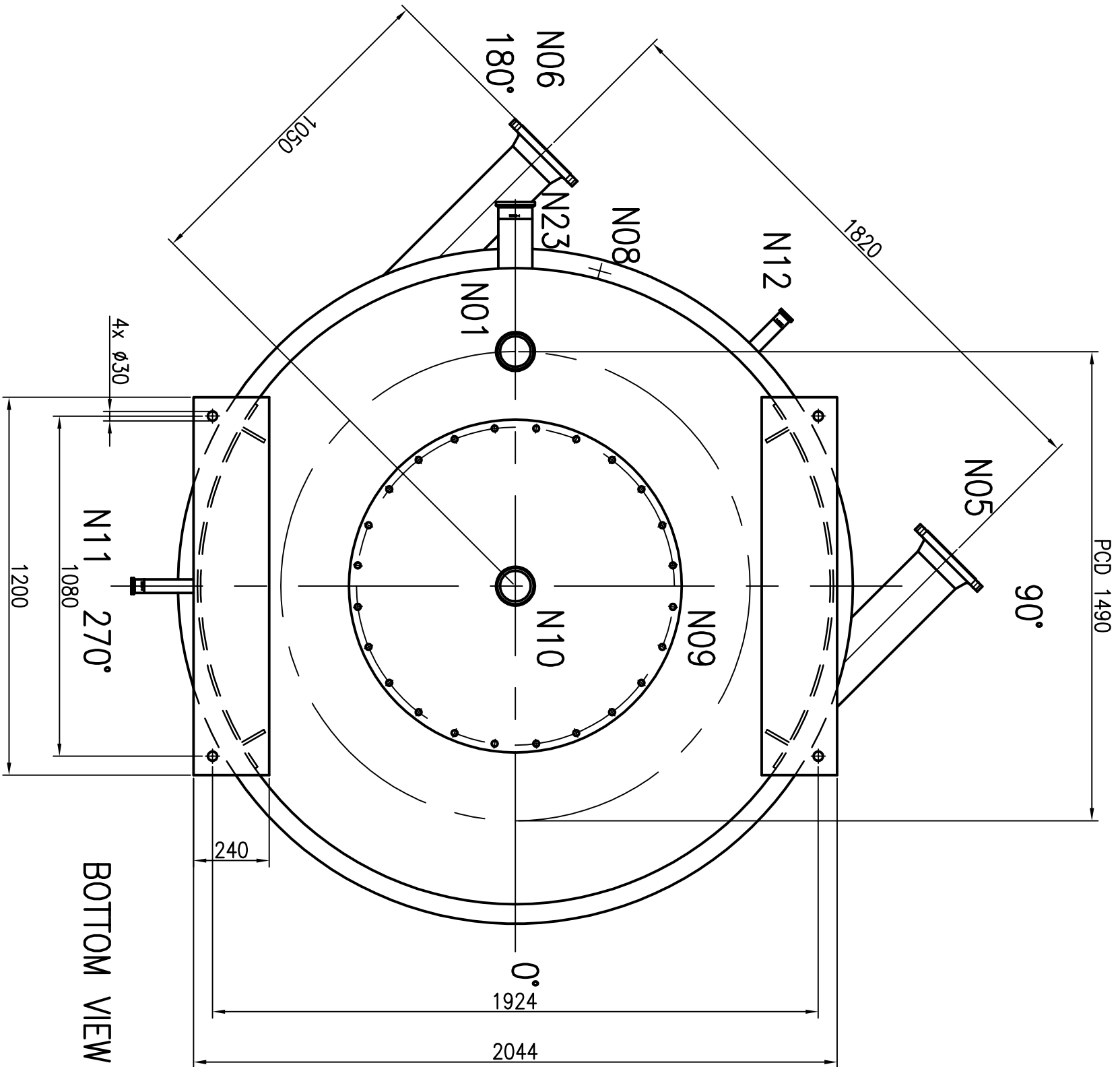
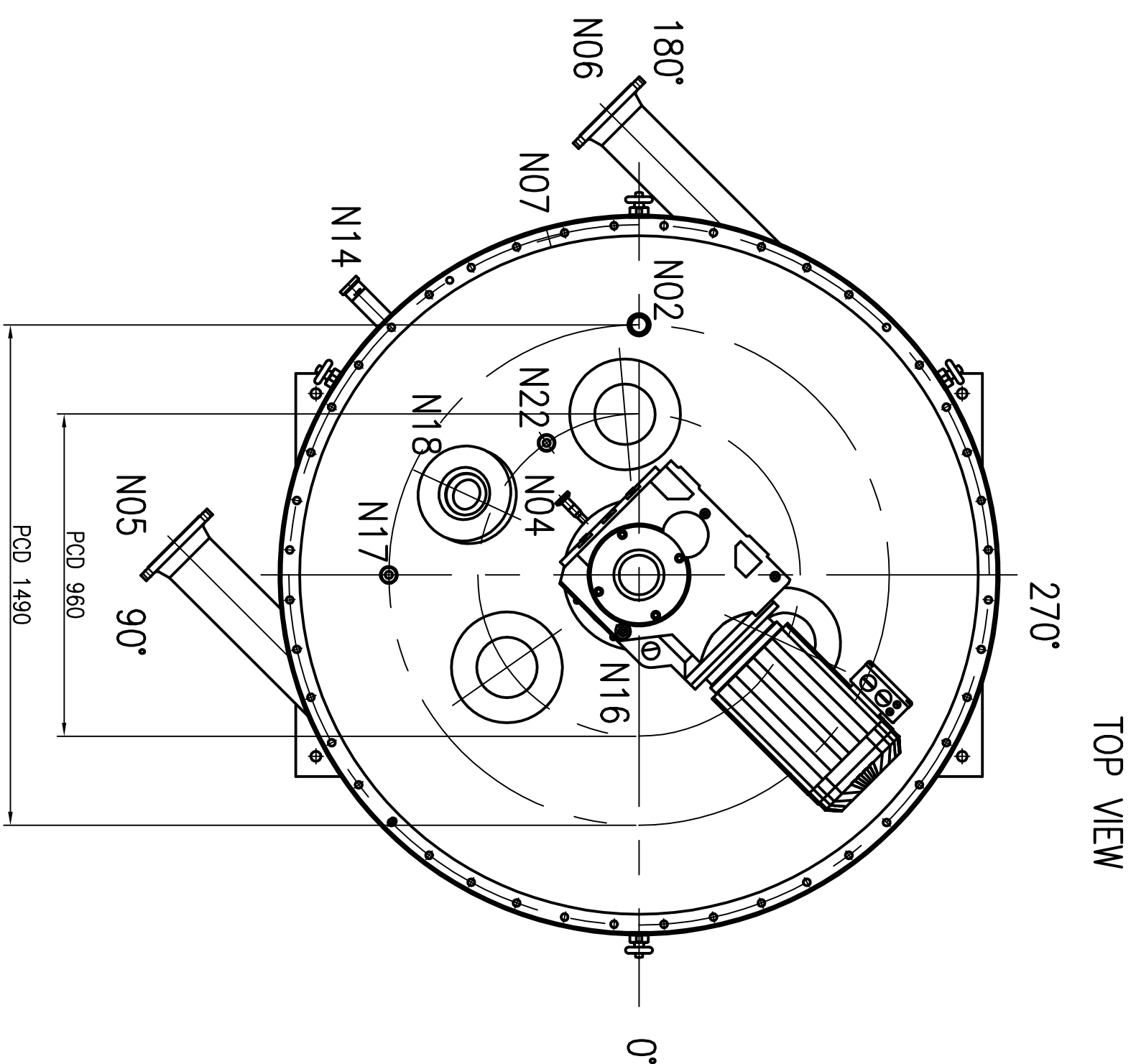




DESIGN DATA					
Description	Vessel	Jacket	Unit		
Design pressure	-0.2 / +3	-0.5 / +3	bar (g)		
Design temperature	-25 / 95	-25 / 95	°C		
Test pressure	4	4.2	bar (g)		
Capacity	11.5	0.64	m³		
Medium	Corrosive	Temper liquid			
Classification	ASME Boiler & Pressure Vessel code Section VIII, div.1				
Weight agitator assembly			1350 kg		
Empty weight vessel (without agitator)			4550 kg		
Total empty weight crystallizer			5900 kg		
Total max. operating weight crystallizer			21000 kg		
N23	01	Liquid+crystals OUT to wastewater	4"	I-Line	Female coupling
N22	01	Vent	1"	I-Line	Female coupling
N18	01	Sight glass	6"		
N17	01	Nitrogen IN	1"	I-Line	Female coupling
N16	01	Agitator drive	12"	#150	ANSI B16.5
N15	01	Mann flange	80"		
N14	01	Liquid + crystals IN (product)	2"	I-Line	Female coupling
N12	01	Pressure transmitter	2"	I-Line	Female coupling
N11	01	Temperature transmitter	2"	I-Line	Female coupling
N10	01	Dion of vessel	4"	I-Line	Female coupling
N09	01	Mannhole	36"		
N08	01	Dion of jacket	1/2"	Female NPT	
N07	01	Purge of jacket	1/2"	Female NPT	
N06	01	Cooling liquid OUT	6"	WNRF #150	ANSI B16.5
N05	01	Cooling liquid IN	6"	WNRF #150	ANSI B16.5
N04	01	Vent of vessel	1"	I-Line	Female coupling
N02	01	Liquid IN (feed)	2"	I-Line	Female coupling
N01	01	Liquid+crystals OUT to wastewater	4"	I-Line	Female coupling
MARK	QTY	SERVICE	NOM.DIA.	FLANGE /FINING	REMARKS
01	01	-	-		
Person Quantity Description		Material	Code	Remarks	
B	1,3,13	R-FE		In-line couplings, nozzle orientation updated.	
DESCRIPTION :					
Issue Date By	Asst. Insp.		REMARKS :		
CRYSTALLIZER STAGE 2 GENERAL ARRANGEMENT		A1	 DATE : 25.02.'12 SCALE : 1:16 BY: [Signature] APPROVED : PROJECT - Line 272,2814		
Process Engineering GEA Nitro PT B.V.		614.112.110.B			