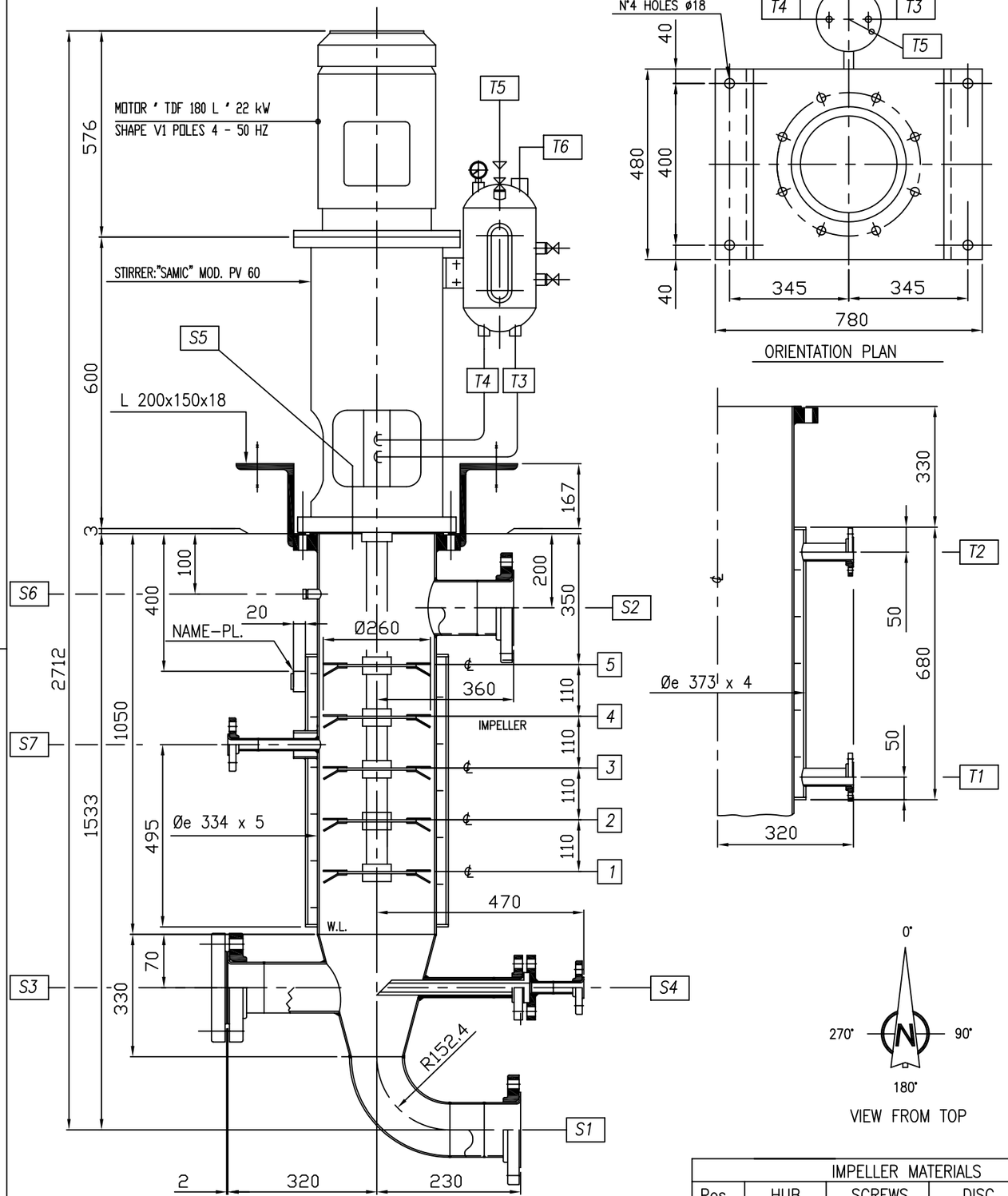

ORIENTATION PLAN

VIEW FROM TOP

IMPELLER MATERIALS			
Pos.	HUB	SCREWS	DISC
1	AISI 316L	AISI 316L	Hastelloy C
2	AISI 316L	AISI 316L	Hastelloy C
3	AISI 316L	AISI 316L	Hastelloy C
4	AISI 316L	AISI 316L	Hastelloy C
5	AISI 316L	AISI 316L	Hastelloy C

desmet ballestra

ITEM 33MX1 — N°REQUIRED 1

CUSTOMER

NEUTRALIZATION MIXER

PLANT SULPHUREX — JOB 1E35

DWG. 1E35-35-075-1

FLOW SHEET 1E35-10-010

SHEET 1 OF 1

Rev.	Date	Drawn	Description
0	12.11.09	O.C.	ISSUED FOR BID – ORIENTATION IN HOLD
1	22.01.10	G.R.	ORIENTATION DEFINED AND BLIND FLANGE ADDED ON NOZZLE "S3"
2	18.03.10	G.R.	ORIENTATION NOZZLE "S5" MODIFIED AND AGITATION TYPE DEFINED
3			
4			

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NOZZLES							DESIGN DATA	SHELL	TUBE	JACKET
POS.	SIZE	RATING	N°	SERVICE	THK.	NOZZLES ORIENT.				
S1	4"	L.J. 150#	1	AN INLET	3,05	200°	OPERATING PRESSURE Bar (g)	3		0
S2	4"	L.J. 150#	1	AN OUTLET	3,05	90°	DESIGN PRESSURE Bar (g)	10		1
◪ S3	3"	L.J. 150#	1	SPARE	3,05	315°	HYDROSTATIC TEST PRESSURE Bar (g)	13		1,5
S4	1/2"	L.J. 150#	1	BF INLET	2,77	135°	PNEUMATIC TEST PRESSURE Bar (g)	–		–
■ S5	1/2"F	ASME B1.20.1 NPT 3000#	1	VENT	–	180°	OPERATING TEMPERATURE °C	35		30
■ S6	1/2"F	ASME B1.20.1 NPT 3000#	1	STEAM INLET	–	180°	DESIGN TEMPERATURE °C	85		70
S7	1/2"	L.J. 150#		FO INLET	2,77	290°	FLUID/SPECIFIC WEIGHT 1 Kg/dm3	PASTE		WR
							HEAT EXCHANGE SURFACE m2	–		0,7
							HEAT TREATMENT	–		–
							X-RAY TEST	–		–
							PENETRATING LIQUIDS TEST	–		–
							JOINT EFFICIENCY	0,7		0,7
							CORROSION ALLOWANCE mm	–		–
							GEOMETRIC CAPACITY litri	110~		10~
							INSPECTION INSTITUTE	DESMET BALLESTRA S.p.A.		
							CODE	STD BALLESTRA/ASME SECT. VIII DIV.1		
							WEIGHTS			
T6	1/2"F	ASME B1.20.1 NPT 3000#	1	PRESSURIZATION	–	SEE PLAN	EMPTY 230~ Kg — OPERATING 980~ Kg			
T5	1/2"F	ASME B1.20.1 NPT 3000#	1	CHARGING	–	SEE PLAN	WITH STIRRER 580 Kg — WATER FILLED 350~ Kg			
T4	1/2"F	ASME B1.20.1 NPT 3000#	1	COOLING OUTLET	–	SEE PLAN				
T3	1/2"F	ASME B1.20.1 NPT 3000#	1	COOLING INLET	–	SEE PLAN	STD. DETAILS	ENCLOSED DWG.		
T2	1/2"	S.O.R.F. 150#	1	WR OUTLET	2,77	45°	WORKING DWG	1E35-30-075-1/1		
T1	1/2"	S.O.R.F. 150#	1	WR INLET	2,77	45°	STIRRER DWG.	121Q 001		
NAME PLATE POSITION						0°	PRESSURIZATION VESSEL DWG.	121Q 002		
MATERIALS OR EQUIVALENT							PAINTING	SB-ATI-SP002/4		
SHELL / CONE		A 240 – 316					GENERAL NOTES	SB-PRS-SP001/0		
JACKET		A 515 – 60					PRESSURIZATION VESSEL	SP. 1477/0		
MAIN FLANGES		A 515-60 + AISI 316					MECHANICAL SEAL	SP. 1478/0		
NOZZLES "T1-T2"		A 106 – B					NAME PL. HOLDER	SB-PRS-00121/0		
FLANGES "T1-T2"		A 105					NAME PLATE	SB-PRS-00119/0		
NOZZLES		A 312 Tp. 316								
FLANGES		A 182 F 316					THE PRESSURIZATION VESSEL WILL BE SUPPLIED BY THE STIRRER MANUFACTURER COMPLETE WITH BALL VALVES THERMOMETER , PRESSURE GAUGE , SIGHT GLASS , COOLING COIL. DESIGN PRESSURE: 11 Bar (g)			
HEAVY HEX.NUTS / STUD BOLTS		A 194-2H / 193-B7								
NOZZLES INSERT "S4"		PTFE								
UNIVERSAL GASKET		SEE SP. 1444/1								
IMPELLER		SEE TABLE					INSULATION: NO			

NOTE : ■ COMPLETE WITH PLUG

◪ COMPLETE WITH BLIND FLANGE, BOLTS AND GASKET

NOZZLE "S4" ARE EXTRACTIBLES

RIF. 1D54.35.041/2