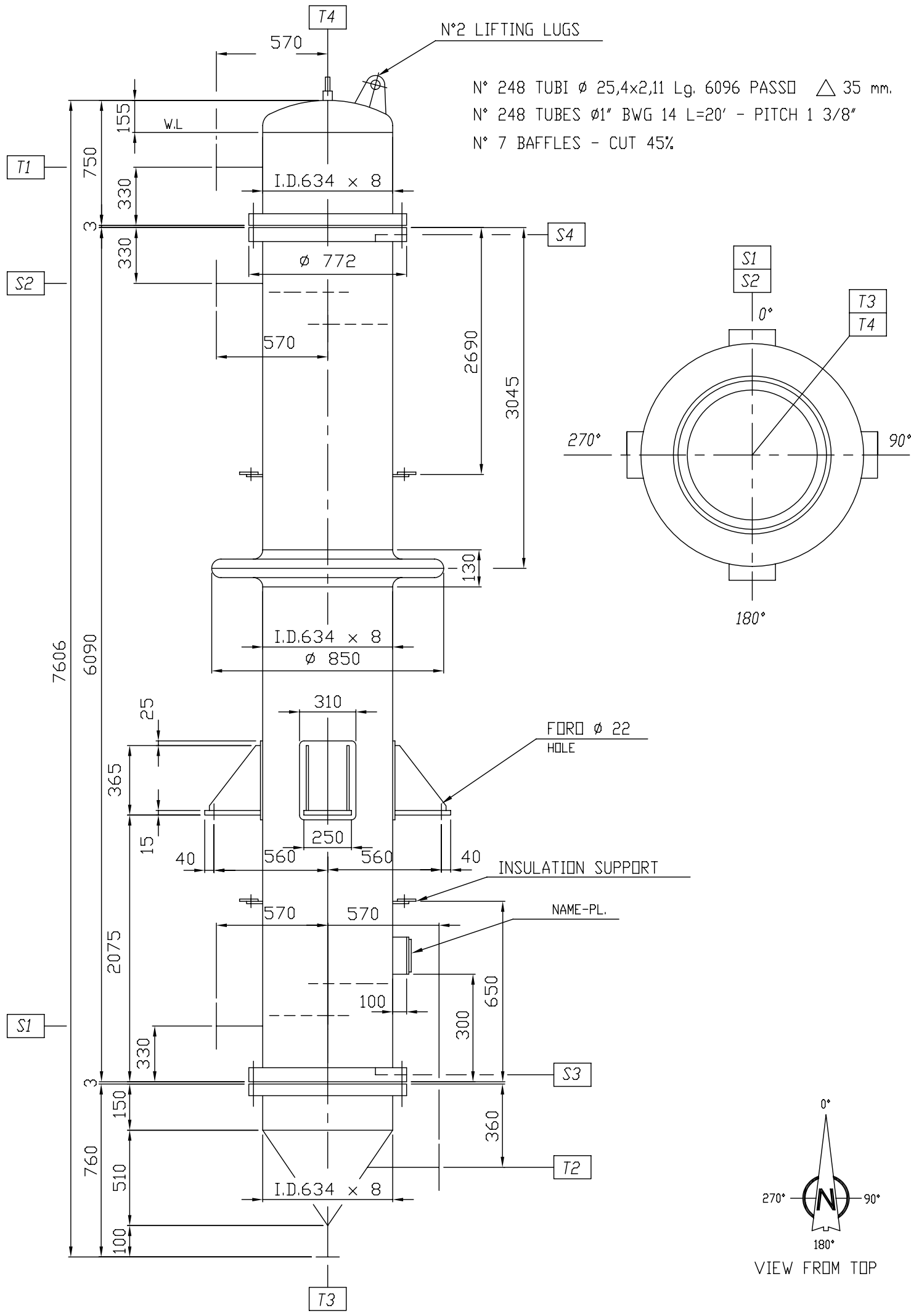


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		ITEM 12E6	CUSTOMER _____		DWG. 1E35 . 35 . 011	
		N°REQUIRED 1	2nd SO3 COOLER		FLOW SHEET 1E35 . 10 . 003	
			PLANT SULPHUREX	JOB 1E35	SHEET 1 OF 1	

Rev.	Date	Drawn				
0	05.11.09	A.S.	ISSUED FOR BID			
1	23.01.10	G.R.	ORIENTATION DEFINED			
2						

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NOZZLES						DESIGN DATA		SHELL	TUBE	JACKET
POS.	SIZE	RATING	N°	SERVICE	THK.	NOZZLES ORIENTATION	OPERATING PRESSURE	Bar (g)	0,05	0,49
S1	12"	S.D. RF 150#	1	AIR INLET	9,52	0°	DESIGN PRESSURE	Bar (g)	0,08	0,9
S2	14"	S.D. RF 150#	1	AIR OUTLET	9,52	0°	HYDROSTATIC TEST PRESSURE	Bar (g)	1,5	1,5
S3	1/8"F	ANSI B2.1 NPT	1	DRAIN	-	180°	PNEUMATIC TEST PRESSURE	Bar (g)	-	-
S4	1/8"F	ANSI B2.1 NPT	1	VENT	-	180°	OPERATING TEMPERATURE	°C	40	200
							DESIGN TEMPERATURE	°C	200	250
							FLUID/SPECIFIC WEIGHT	Kg/dm3	AIR	AIR+ So3
							HEAT EXCHANGE SURFACE	m2	-	118~
							HEAT TREATMENT		-	-
							X-RAY TEST		-	-
T4	1/2"	ANSI B2.1 NPT	1	VENT	-	Ø	PENETRATING LIQUIDS TEST		-	-
T3	2"	S.D. RF 150#	1	DRAIN	3,91	Ø	JOINT EFFICIENCY		0,7	0,7
T2	12"	S.D. SG 150#	1	GAS OUTLET	9,52	270°	CORROSION ALLOWANCE	mm	1,6	1,6
T1	14"	S.D. SG 150#	1	GAS INLET	9,52	90°	GEOMETRIC CAPACITY	litri	1135	950

BRACKETS POSITION	0°	INSPECTION INSTITUTE	BALLESTRA S.p.A.	
	90°	CODE	ASME VIII DIV.1a + TEMA cl. "B"	
	180°	WEIGHTS		
	270°	EMPTY 3900~ Kg	OPERATING 4000~ Kg	WATER FILLED 5985~ Kg

NAME PLATE POSITION		180°
MATERIALS		STD. DETAILS
SHELL	A 515 - 60	WORKING DWG.
HEAD	A 515 - 60	NAME PL. HOLDER
CONE	A 515 - 60	NAME PLATE
CHANNELS	A 515 - 60	PAINTING
FLANGES	A 105	
MAIN FLANGES	A 105	
TUBESHEETS	A 105	
NOZZLES	A 106 B	
EXCHANGER TUBES	A 210 A1	
STUD BOLTS	A 193 B7	
HEAVY HEX. NUTS	A 194 2H	
EXPANSION JOINT	AISI 304	
BRACKETS	A 515 - 60/A 283 C	
GASKETS	CORRUGATED METAL JACKETED CERAMIC FIBRE (AISI 304)	

INSULATION : 80 mm.(1 x 80 = 18 m2)

NOTE: ● COMPLETE WITH PLUG

REF. 1A12 . 35 . 011