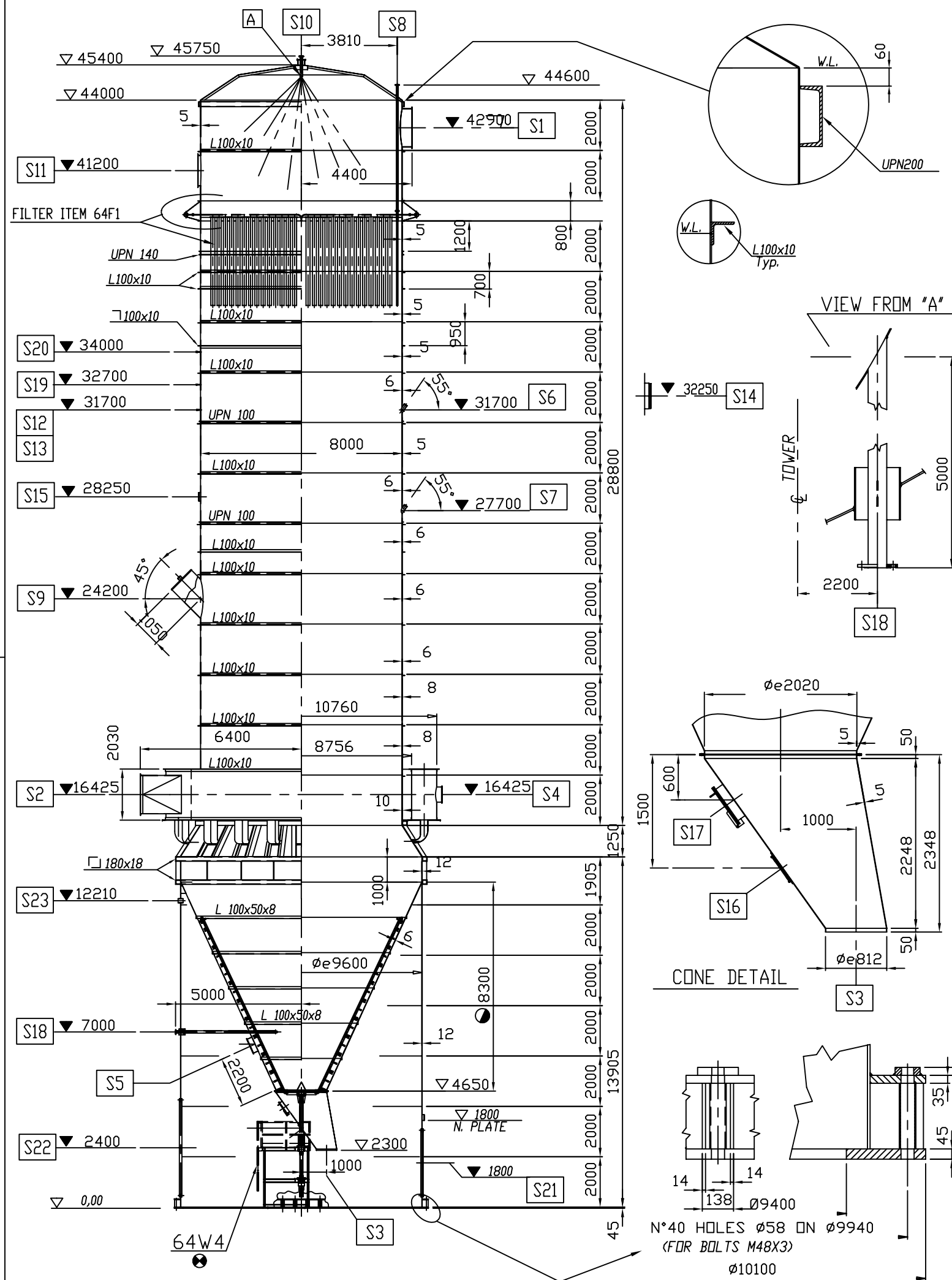


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		ballestra s.p.a.		CUSTOMER _____			DWG. <u>1E35 . 35 . 1002-1</u>				
				PLANT <u>SABIZ 25000</u>			JOB <u>1E35Z</u>				
				FLOW SHEET <u>1E35 . 10 . 1105</u>							
ITEM <u>64AT1</u>		N°REQUIRED <u>1</u>		SPRAY DRYING TOWER			SHEET <u>1</u> OF <u>3</u>				
Rev.	Date	Drawn									
0	12.01.2010	G.R.	ISSUED FOR INFORMATION								
1	14/09/10	G.R.	SKIRT ADDED, SHELL THICKNESS AND NUMBER WORKING DWG. DEFINED								
2	05/10/10	D.C.	ISSUED FOR CONSTRUCTION - ORIENTATION PLAN DEFINED ON SHEET 2								
3	30/05/11	G.R.	ORIENTATION CONNECTION "S12" MODIFIED SEE SHEET 2								
THE MASTER VERSION OF THIS DOCUMENT IS STORED AS A DIGITAL FILE IN A SOFTWARE ARCHIVE - APPROVAL PROCESS IS DIGITALLY MANAGED, DETAILS DO NOT SHOW ON PAPER COPIES.											
NOZZLES						DESIGN DATA			SHELL	COIL	JACKET
POS.	SIZE	RATING	N°	SERVICE	THK.	NOZZLES ORIENT.	OPERATING PRESSURE	Bar (g)	-0.005		
S1	1500	SB-ATI-PF001	1	HOT AIR OUTLET	4	FOR ORIENTATION SEE SHEET 2	DESIGN PRESSURE	Bar (g)	0.015		
S2	1500	SB-ATI-PF001	1	HOT AIR INLET	4		HYDROSTATIC TEST PRESSURE	Bar (g)	-		
S3	800	AS DWG.	1	POWDER OUTLET	4		PNEUMATIC TEST PRESSURE	Bar (g)	-		
S4	600x600	ST.40653	2	INSPECTION DOOR			OPERATING TEMPERATURE	°C	430		
S5	600x600	ST.40653	2	INSPECTION DOOR	-		DESIGN TEMPERATURE	°C	450		
S6	Ø133	ST.400229	20	NOZZLE CONNECT.	4		FLUID/SPECIFIC WEIGHT	0,56/1300 Kg/m3	HOT AIR / SLURRY POWDER		
S7	Ø133	ST.400229	20	NOZZLE CONNECT.	4		HEAT EXCHANGE SURFACE	m2	-		
S8	-	AS DWG	6	CROSS CABLE	-		HEAT TREATMENT		-		
S9	Ø1100	ST.40527	1	EXPL. PROOF. DOOR	4		X-RAY TEST		-		
S10	3"	SD.-RF. 150#	1	FIRE FIGHTING SYSTEM	5,49		PENETRATING LIQUIDS TEST		-		
S11	1200x600	ST.400170	1	INSPECTION DOOR	4		JOINT EFFICIENCY		0.7		
S12	1/2"F	ANSI B1.20.1 NPT 3000#	1	PI CONNECTION	2,77		CORROSION ALLOWANCE	mm	-		
S13	1"F	ANSI B1.20.1 NPT 3000#	1	TI CONNECTION	3,38		GEOMETRIC CAPACITY	m3	~1880		
S14	250	ST.40988	4	SIGHT GLASS	-		INSPECTION INSTITUTE	CUSTOMER			
S15	250	ST.40988	4	SIGHT GLASS	-		CODE	STD. BALLESTRA			
S16	Ø150	AS DWG.	1	SHAFT CONNECT.	-		WEIGHTS				
S17	500	ST.40303	1	MANHOLE	4	EMPTY	▲ ~133000	Kg	FILTER	~7000	Kg
S18	80	SB-ATI-PF001	1	ZF INLET	5,49	OPERATING	▲ ~150000	Kg	CLEANING RING	~1500	Kg
S19	1/2"F	ANSI B1.20.1 NPT 3000#	1	PT CONNECTION	2,77						Kg
S20	1"F	ANSI B1.20.1 NPT 3000#	3	TET CONNECTION	3,38	STD. DETAILS					
S21	2500x2000	AS DWG.	1	ACCESS OPENING	-	ENCLOSED DWG.					
S22	3700x2000	AS DWG.	1	BELT PASSAGE	-	WORKING DWG.	1E35.30.1002/0				
S23	150	AS DWG.	4	VENT	7,11	PAINTING	SB-ATI-SP002/4				
S24						NAME PL. HOLDER	SB-PRS-00121/0				
NAME PLATE POSITION						NAME PLATE	SB-PRS-00119/0				
MATERIALS						SPRAY NOZZLE CONN.	"S6-S7"	ST.400229/1			
SHELL				A 285 - C		INSPECTION DOOR	"S4-S5"	ST.40653/3			
CONES				A 285 - C		SIGHT GLASS	"S14-S15"	ST.40988/2			
AIR DUCT				A 285 - C		EXPLOSION PROOF DOOR	"S9"	ST.40527/1			
FLANGES				A 105 / A 36		MANHOLE	"S17"	ST.40303/2			
COUPLING				A 105		INSPECTION DOOR	"S11"	ST.400170/0			
NOZZLES				A 106 B / A 285 - C		SUGGESTION FOR CONSTR.	SP.1305/3				
SADDLES				A 285 - C							
SECTION IRON				A 36							
GASKET				COATING PTFE							
						● INSULATION	SB-PRS-00258				
NOTE : ▲ WITHOUT CLEANING RING, FILTER, AND WITHOUT ALL ACCESSORIES NOT MENTIONED.											
● TOWER: 800 m2 / 11500 Kg (N.1 COAT Thk.120)						AIR DUCT: 270 m2 (N.2 COAT Thk.80) Kg.520~					
⊗ SCRAPER ITEM 64W4 DWG. 1E35-30-1003 "BALLESTRA SUPPLY"						CONE: 120 m2 (N.1 COAT Thk.80) Kg.1150~					
[A] SPRAY NOZZLE TYPE: SPRAYING SYSTEM 3" H - SS 95W						ITEM:64W6 - FILTER ITEM 64F1 "BALLESTRA SUPPLY"					