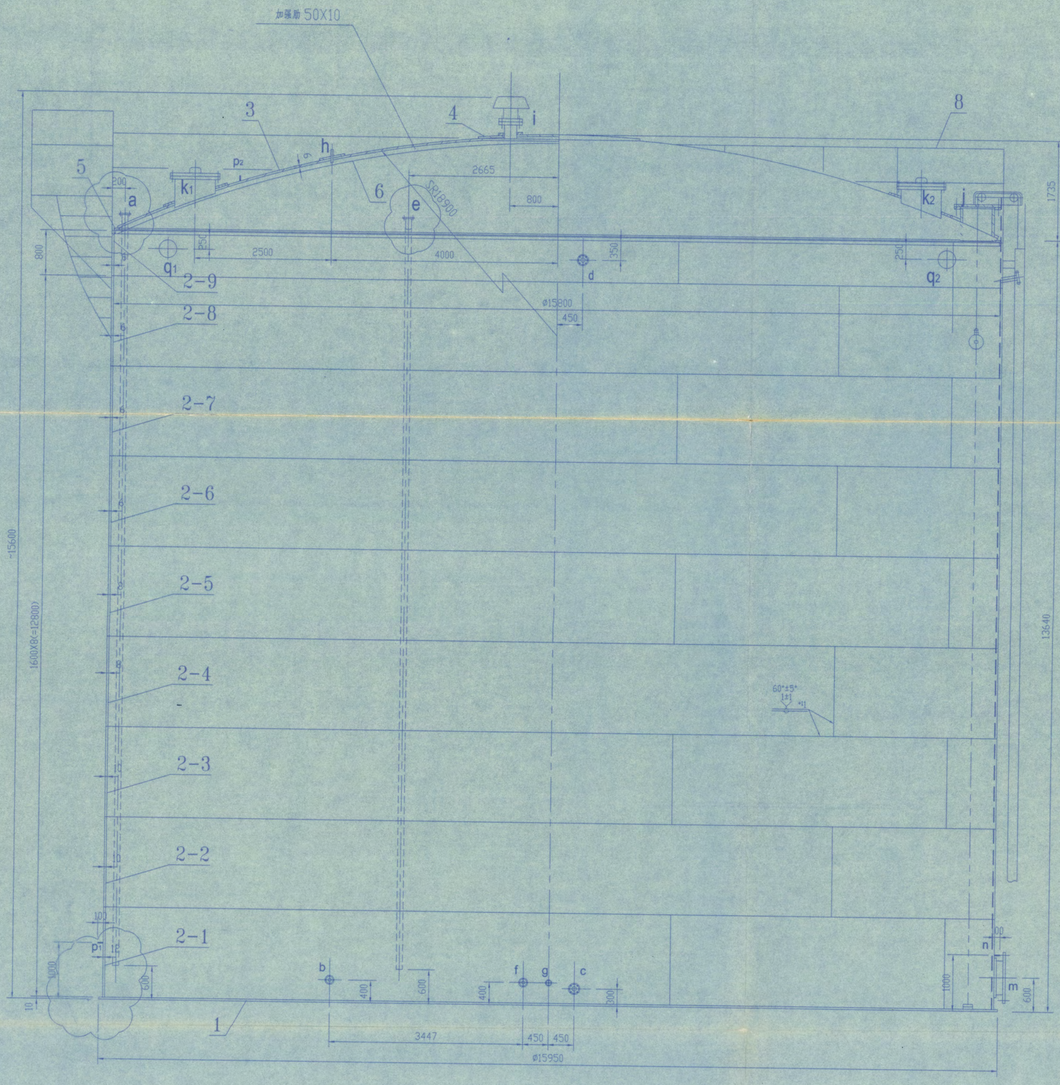

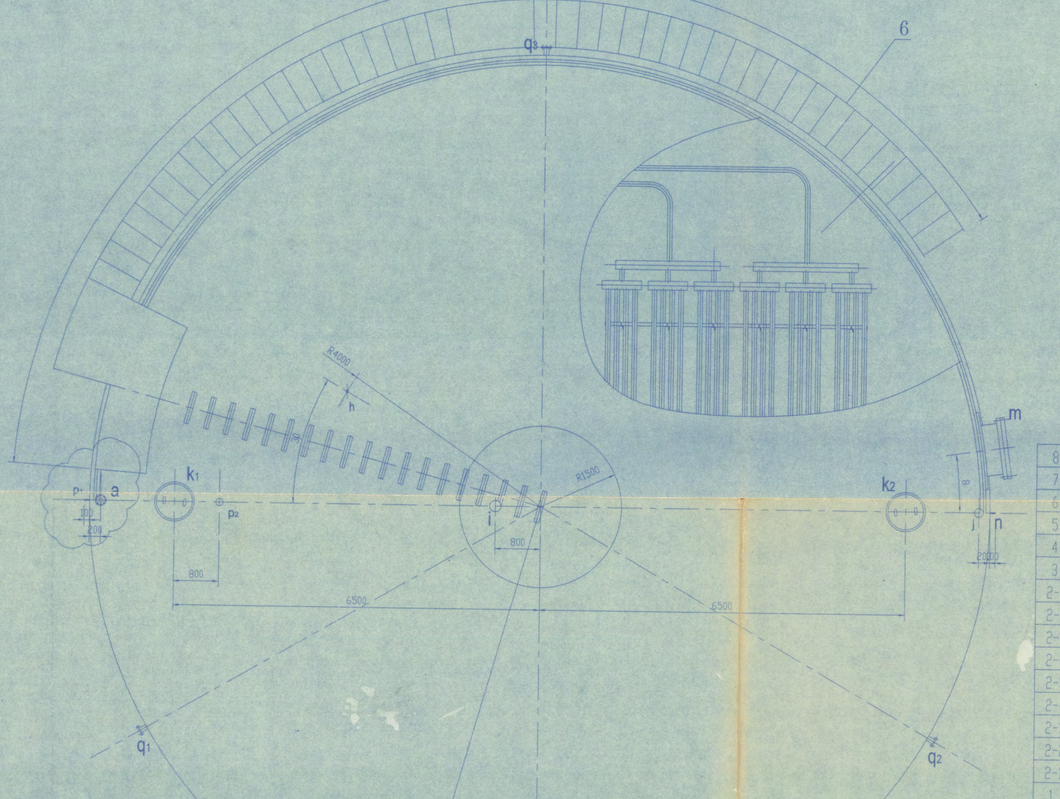

技术特性表

LIST OF TECHNICAL CHARACTERISTICS

序号No.	项 目 ITEM		罐内 IN-TANK	加热管 HEATING PIPE
1	设备编号 EQUIPMENT NUMBER		T158	B079
2	容器类别 CATEGORY OF VESSEL		常压 NORMAL	
3	工作压力 S SERVICE PRESSURE	MPa	常压 NORMAL	0.5
4	设计压力 DESIGN PRESSURE	MPa	常压 NORMAL	1
5	工作温度 SERVICE TEMPERATURE	°C	常温 NORMAL	184
6	设计温度 DESIGN TEMPERATURE	°C	常温 NORMAL	190
8	介质名称 COMPOSITION		重油 HEVAY OIL	蒸汽 STEAM
9	有效容积 CAPACITY	m³	2650	
10	壳体支承材料 CONFIGURATION MATERIAL		Q235-B	10
11	腐蚀裕量 CORROSION ALLOWANCE	mm	1	
12	焊缝系数 ASPECT RATIO OF WELD		0.9	
13	地震烈度 EARTHQUAKE INTENSITY		6	
14	地震烈度 EARTHQUAKE INTENSITY		AREA TYPE	
15	设计风压 DESIGN WIND PRESSURE	Pa	600	

NOZZLE LIST管口表

NOZZLE 管口	ITEM 名称	SPECIFICATION 规 格	CONNECTION 连接形式	Sealing way of flange 法兰密封面形式	STANDARD 标准	NOTE 备注
a	HEVAY OIL INLET 进油口	PN1.6 DN80	FLANGE 法兰	RF	HG20593-97	
b	HEVAY OIL OUTLET 出油口	PN1.6 DN150	FLANGE 法兰	RF	HG20593-97	
c	OIL DISCHARGE OUTLET 放油口	PN1.6 DN80	FLANGE 法兰	RF	HG20593-97	
d	OVERFLOW GATE 溢流口	PN1.6 DN100	FLANGE 法兰	RF	HG20593-97	
e	OIL RETURN NOZZLE 开油管接口	PN1.6 DN40	FLANGE 法兰	RF	HG20593-97	
f	STEAM INLET 加热蒸汽进口	PN1.6 DN50	FLANGE 法兰	RF	HG20593-97	
g	DRAINAGE OUTLET 加热蒸汽出口	PN1.6 DN25	FLANGE 法兰	RF	HG20593-97	
h	FLUID LEVEL GAUGE 液位计接口	2"	THREADED 螺纹			
i	PRESSURE AND VACUAN RELEASE VALVE 呼吸阀	PN1.6 DN200	FLANGE 法兰	RF	HG20593-97	
j	LEVEL TRANSMITTER NOZZLE 量油口	PN1.6 DN150	FLANGE 法兰	RF	HG20593-97	
k1-2	LOOPHOLE 通光孔	Ø500				
m	MAN HOLE 人孔	Ø600				
n	THERMOMETER BOSS 高油温度计接口	M27x2	THREADED 螺纹			
p1-2	THERMOMETER BOSS 油样温度计接口	M27x2	THREADED 螺纹			
q1-3	FIRE CONTROL NOZZLE 消防接口	PN1.0 DN100	FLANGE 法兰	RF	HG20593-97	

CNTIC CERTIFIED FOR CONSTRUCTION
CLETC SIGNED Luo, Chenlei
DATED 2006.9.26

技术要求

1. 本罐体按GBJ128-90《立式圆筒形钢制焊接油罐施工及验收规范》进行制造、试验和验收。
2. 罐体组装焊接前应按土建施工图要求对基础进行检验合格后方可进行安装施工
3. 本油罐所用钢板的技术条件应符合GB3274（碳素结构钢和低合金结构钢热轧厚钢板和钢带）的有关规定。
4. 所有罐壁开口应避开罐壁焊缝，开口接管或补强圈边缘距罐壁焊缝应大于100mm。
5. 油罐安装完毕后，罐体外表面刷二遍底漆。
6. 焊接采用焊条电弧焊，焊条型号为E4303。
7. 罐底板任意两个相邻焊缝之间的距离，以及边缘板焊缝距离底圈罐壁板纵焊缝的距离均不得小于300mm。
8. 平台按GB50205-2001（钢结构工程施工质量验收规范）进行制造、检验和验收。

Technical Requirements

1. The tank is made, tested and inspected subject to GBJ128-90 <Vertical type silo shape steel welded oil tank construction and inspection criteria>.
2. Before erection and welding of the tank body, the foundation must be inspected and be confirmed to be up to standard.
3. The technical condition of the steel plate to make the storage tank must be in line with GB3274 (Carbon structure steel and low annoy structure steel hot-rolled thick steel plates and steel belts).
4. All the openings on the tank wall should avoid the welding seams, outlet piping or strengthening circles, and the edges should be more than 100 mm far from the tank wall welding seams.
5. When the tank is erected, the outside surface of the tank should be painted with primer twice.
6. The welding should be by arc welding with welding rods E4303.
7. The distance between any of two neighboring seams on the tank bottom plate, and the distance between edge plates welding seam and bottom circle tank wall plate lengthways welding seam must be not less than 300 mm.
8. The platform is made, tested and inspected subject to GB50205-2001 (Steel structure engineering quality inspection and acceptance criteria).

No. 序号	STANDARD 国家或行业标准	NAME AND SPECIFICATIONS 名称及规格	NUM 数量	MATERIAL 材料	SURFACE 面重	TOTAL WEIGHT 总重	NOTE 备注
8		FLATFORM RAILING 平台栏杆		Q235-AF			
7		Steel ladder 钢梯		Q235-AF			
6		Deep floor 加强筋 50X10 mm		Q235-AF			
5		Edge wrapping angle steel 包边角钢 75X8 mm		Q235-AF			
4		Central top plate 中心顶板 δ=6 mm	1	Q235-B			
3		Tank top plate 罐顶板 δ=6 mm	1	Q235-B			
2-9		Ninth layer of tank wall 第九层罐壁 δ=6 mm	1	Q235-B			
2-8		Eighth layer of tank wall 第八层罐壁 δ=6 mm	1	Q235-B			
2-7		Seventh layer of tank wall 第七层罐壁 δ=6 mm	1	Q235-B			
2-6		Sixth layer of tank wall 第六层罐壁 δ=6 mm	1	Q235-B			
2-5		Fifth layer of tank wall 第五层罐壁 δ=8 mm	1	Q235-B			
2-4		Fourth layer of tank wall 第四层罐壁 δ=8 mm	1	Q235-B			
2-3		Third layer of tank wall 第三层罐壁 δ=10 mm	1	Q235-B			
2-2		Second layer of tank wall 第二层罐壁 δ=10 mm	1	Q235-B			
2-1		First layer of tank wall 第一层罐壁 δ=12 mm	1	Q235-B			
1		Tank bottom plate 罐底板 δ=10 mm	1	Q235-B			

CNTIC CLETC BOOKER/TATE DRG No. PROJECT 3.0.9.9.4.2 AREA T 1.5.8 EQUIP. REF. M.O.110.0 SERIAL REV.

4	APPROVED 批准	Chenjie	REGISTERED DESIGNER 注册师	中国轻工业广州设计工程有限公司 GUANGZHOU ENGINEERING DESIGN CO. LTD OF LIGHT INDUSTRY, CHINA		
3	INVESTIGATED 审查			工程设计证书 甲级 190001-sj		
2	EXAMINED 审核	Zheng	DISCIPLINE 专业	圣塔斯斯凯尔顿现代化糖厂项目 Skeldon Sugar Modernisation Project		
1	CHECKED 校核	Luo	THERMO-DYNAMIC	SW4 POWER AND STEAM GENERATION		
0	DESIGNED 设计 22/09/06	Tshi	SCALE 比例 1:50	HEAVY OIL STORAGE TANK T158 OUTSIDE DRAWING	DRAWING No. G192-SR4J-5-01	
REV 版别	D/M/Y 日期	DRAWN BY 制图	STAGE 阶段 DETAIL DESIGN	重油储存罐T158外形图		

档号 4