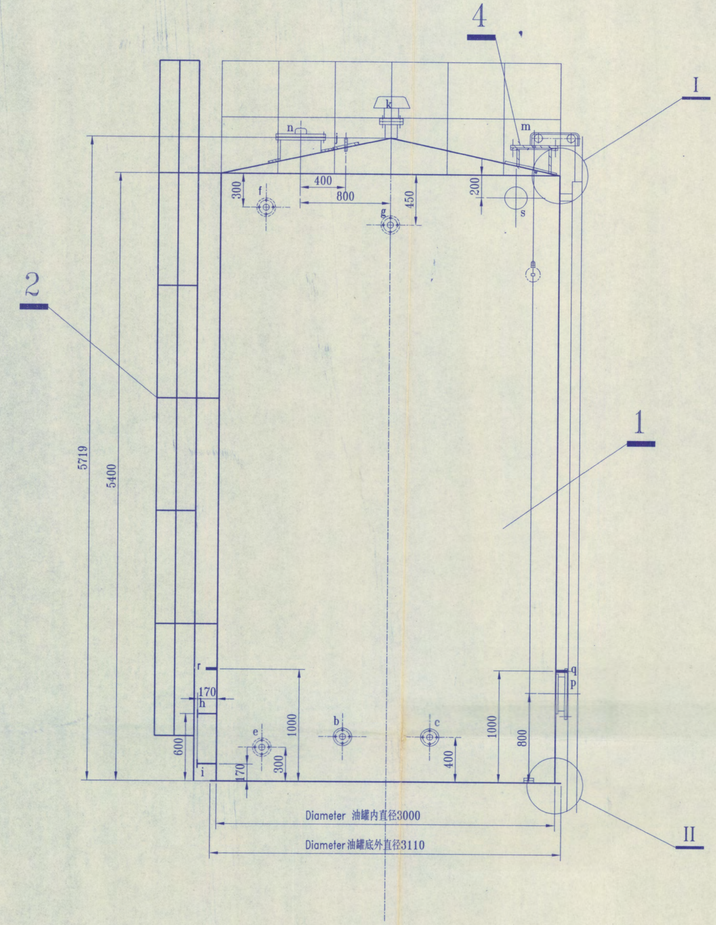
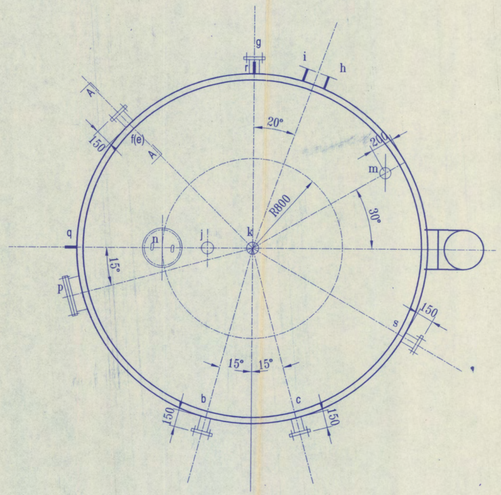


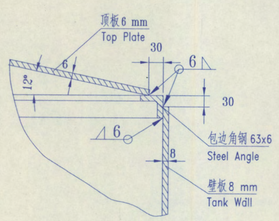


技术特性表

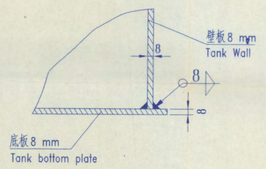
LIST OF TECHNICAL CHARACTERISTICS

序号No	项 目 ITEM	罐内 IN-TANK	加热管 HEATING PIPE
1	设备编号 EQUIPMENT NUMBER	T176	H091 7.2 m²
2	容器类别 CATEGORY OF VESSEL	常压 NORMAL	
3	工作压力 SSERVICE 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	90°C	184
6	设计温度 DESIGN TEMPERATURE °C	-19~90°C	190
8	介质名称 COMPOSITION	重油 HEVAY OIL	蒸汽 STEAM
9	有效容积 CAPACITY m³	35	
10	受压元件材质 CONFIGURATION MATERIAL	Q235-B	20
11	腐蚀裕度 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	686	

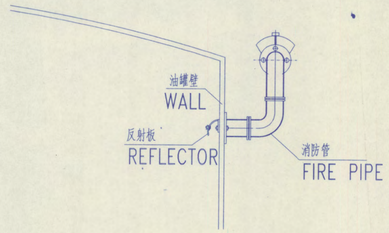
I



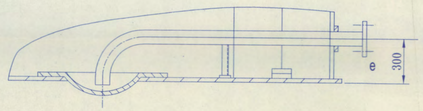
II



FIRE CONTROL NOZZLE DETAIL

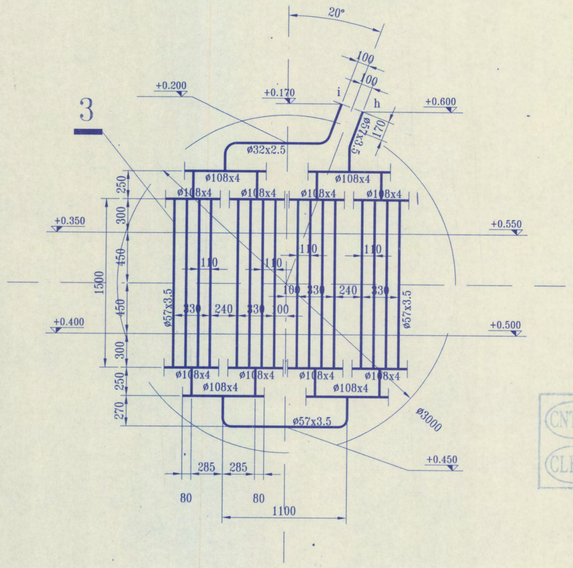


A--A



蒸汽加热器详图

HEATING PIPE DETAIL



NOZZLE LIST 管口表

NOZZLE 管口	ITEM 名称	SPECIFICATION 规 格	CONNECTION 连接方式	Sealing way of flange 法兰密封面形式	STANDARD 标准	NOTE 备注
b	OIL RETURN NOZZLE 回油口	PN1.6 DN40	FLANGE 法兰	RF	HG20593-97	
c	OIL OUTLET 出油口	PN1.6 DN100	FLANGE 法兰	RF	HG20593-97	
e	OIL DISCHARGE OUTLET 放油口	PN1.6 DN25	FLANGE 法兰	RF	HG20593-97	
f	OVERFLOW GATE 溢流口	PN1.6 DN100	FLANGE 法兰	RF	HG20593-97	
g	OVERFLOW GATE 溢流口	PN1.6 DN200	FLANGE 法兰	RF	HG20593-97	
h	STEAM INLET 加热器蒸汽进口	PN1.6 DN25	FLANGE 法兰	RF	HG20593-97	
i	DRAINAGE OUTLET 加热器疏水口	PN1.6 DN15	FLANGE 法兰	RF	HG20593-97	
j	FLUID LEVEL GAUGE 液位计接口	2"	THREADED 螺纹			
k	PRESSURE AND VACUUM RELEASE VALVE 呼吸阀	PN1.6 DN100	FLANGE 法兰	RF	HG20593-97	
m	LEVEL TRANSMITTER NOZZLE 量油口	PN1.6 DN150	FLANGE 法兰	RF	HG20593-97	
n	LOOPHOLE 呼吸孔	ø500				
p	MAN HOLE 人孔	ø600				
q	THERMOMETER BOSS 就地温度计接口	M27	THREADED 螺纹			
r	THERMOMETER BOSS 远传温度计接口	M27	THREADED 螺纹			
s	FIRE CONTROL NOZZLE 消防接口	PN1.0 DN100	FLANGE 法兰	RF	HG20593-97	

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. 油罐安装定牢后，罐体 内外表面应涂漆，涂漆要求见制造厂家图纸。
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 erection is finished, the outside and inside of the tank should be painted, and the detail requirement please see drawing of manufactory.
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).

件号 Part no.	图号或标准号 Standard or Drawing no.	名称及规格 Part name, type and/or measures	材料 Material	数量 Qty	重量(kg) Weight/pc	备注 Remark
5		平台栏杆 Platform rating	组 件	1		
4	参照	立式储存罐带件图 UPRIGHT STORAGE TANK	组 件	1		
3	参照 CR315-16	蒸汽加热器 Steam header	组 件	1	231.9	
2	参照 02R112	直梯 Steel ladder	组 件	1	145	
1	参照 02R112	罐体 Tank body	组 件	1	~4632	

CITIC CLET BOOKER/TATE DRG No. PROJECT 3,0,9,9 AREA 4,2 EQUIP. REF. T,1,7,6 SERIAL M,0,1 REV. 0,0

CNTIC CERTIFIED FOR CONSTRUCTION CLETC SIGNED Li, Chen Lei DATED 06.9.28

REV. 版别	D/M/Y 日期		
4		APPROVED 批 准	cheng je
3		INVESTIGATED 审 查	
2		EXAMINED 审 核	Li peng
1		CHECKED 校 核	Li Luo
0	22/09/06	DESIGNED 设 计	

中国轻工业广州设计工程有限公司
GUANGZHOU ENGINEERING DESIGN CO.,LTD. OF LIGHT INDUSTRY, CHINA
工程设计证书 甲级 190001-sj

REGISTERED DESIGNER 注册师 | DISCIPLINE 专业 THERMO-DYNAMIC | SCALE 比例 1:25 | STAGE 阶段 DETAIL DESIGN

主亚那斯凯尔顿现代化糖厂项目
Skeldon Sugar Modernisation Project
SW4 POWER AND STEAM GENERATION
HFO DAILY TANK T176 OUTSIDE DRAWING
重油日用油箱T176外形图
DRAWING No. G192-SR4C-5-02

档号