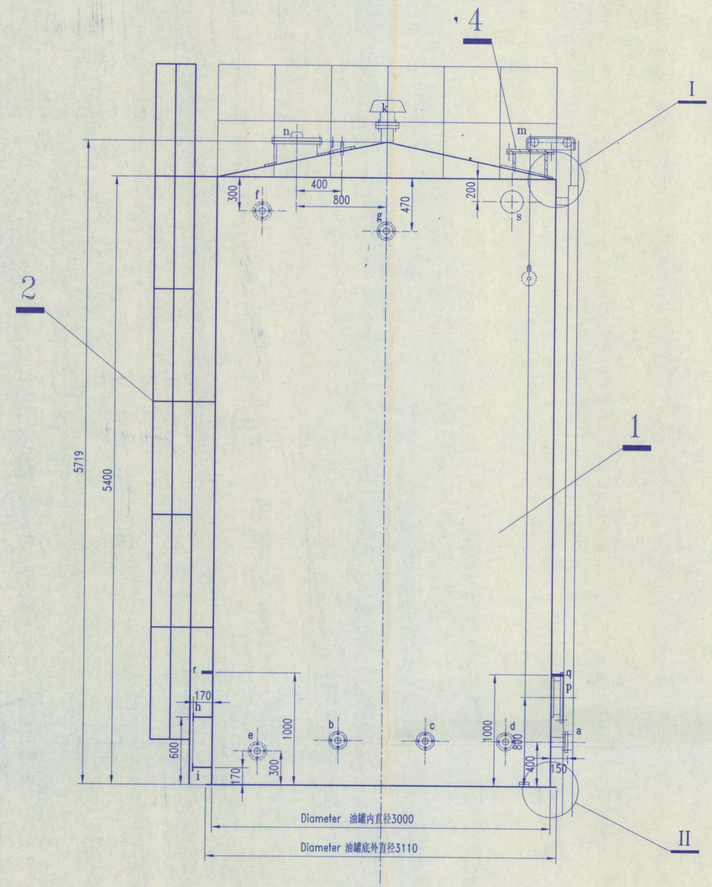
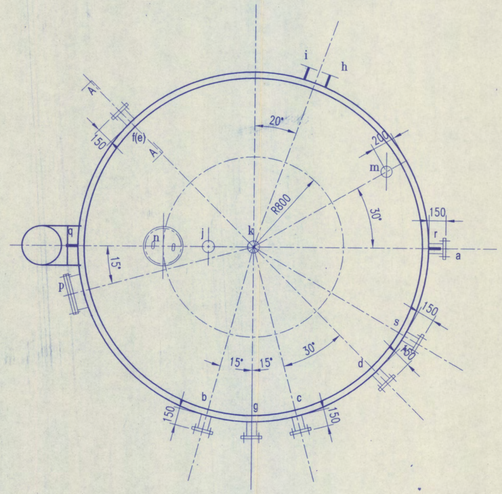
总图 工艺 建筑 结构 给排水 电力 热力 暖通 自控 环保 设备



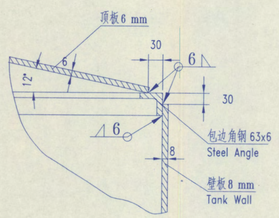




技术特性表

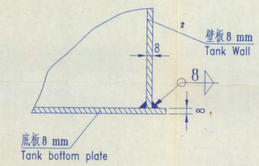
LIST OF TECHNICAL CHARACTERISTICS

| 序号No. | 项 目 ITEM | | 罐内 IN-TANK | 加热管 HEATING PIPE |
|---|---|---|---|---|
| 1 | 设备编号 EQUIPMENT NUMBER | | T175 | H090 7.2 $m^2$ |
| 2 | 容器类别 CATEGORY OF VESSEL | | 常压 NORMAL | |
| 3 | 工作压力 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 | ℃ | 90℃ | 184 |
| 6 | 设计温度 DESIGN TEMPERATURE | ℃ | -19~90℃ | 190 |
| 8 | 介质名称 COMPOSITION | | 重油 HEVAY OIL | 蒸汽 STEAM |
| 9 | 有效容积 CAPACITY | $m^3$ | 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 | |

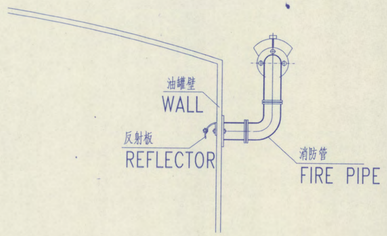
I



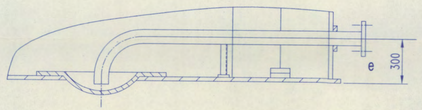

II




FIRE CONTROL NOZZLE DETAIL

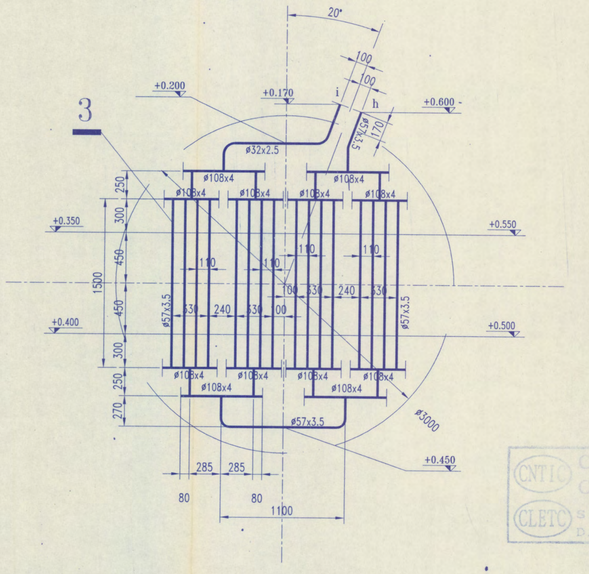



A--A




蒸汽加热器详图

HEATING PIPE DETAIL




CERTIFIED FOR CONSTRUCTION
SIGNED
DATED 06.9.28

NOZZLE LIST 管口表

| NOZZLE 管口 | ITEM 项目 | SPECIFICATION 规 格 | CONNECTION 连接方式 | | Sealing way of Flange 法兰密封面形式 | STANDARD 标准 | REMARKS 备注 |
|---|---|---|---|---|---|---|---|
| a | OIL INLET 进油口 | PN1.6 DN65 | FLANGE | 法兰 | RF | HG20593-97 | |
| b | OIL OUTLET 出油口 | PN1.6 DN50 | FLANGE | 法兰 | RF | HG20593-97 | |
| c | OIL RETURN NOZZLE 回油口 | PN1.6 DN40 | FLANGE | 法兰 | RF | HG20593-97 | |
| d | OIL RETURN NOZZLE 回油口 | PN1.6 DN65 | 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 | RETURN NOZZLE 回油口 | 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 雷油口 | PN1.6 DN150 | FLANGE | 法兰 | RF | HG20593-97 | |
| n | LOOPHOLE 透光孔 | 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. 油罐安装完毕后，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 | 立式储存罐俯图 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,1,7,5 SERIAL M,0,1 REV. 0,0

| REV. 版别 | D/M/Y 日期 | | | |
|---|---|---|---|---|
| 4 | | APPROVED 批 准 | cherjc | |
| 3 | | INVESTIGATED 审 查 | | |
| 2 | | EXAMINED 审 核 | 彭peng | |
| 1 | | CHECKED 校 核 | | |
| 0 | 22/09/06 | DESIGNED 设 计 | | |
| | | DRAWN BY 制 图 | | |

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 BUFFER TANK T175 OUTSIDE DRAWING
重油缓冲油箱T175外形图

DRAWING No. G192-SR4C-5-01

档号