

技术要求

API 560-2016的规定.

及机械性能应符合API 560-2016的规定.

及机械性能应符合ASTM A106的规定.

机械性能应符合ASTM A335的规定.



水压试验, 试验压力2176psi.

钉头管重 lb studded tube weight	1325
	1287.5
	1287.5

2	钉头 stud	Ø12.7x25	see sheet 1				see sheet 1
1	炉管 tube	5" sch40	see sheet 1				see sheet 1

编号 Item No.	名称 Name	规格 Specification	材料 material	单位 Unit	数量 Q.ty	单重 Sin. 重量Weight	共计 Tot.	备注 remark
修改 REV. NO.	说明 DESCRIPTION	设计 DRAWN	校核 CHKD.	审核 APPR.	审定 FINAL APPR.	日期 ISSUE DATE		

NRL TSDU REVAMP PROJECT

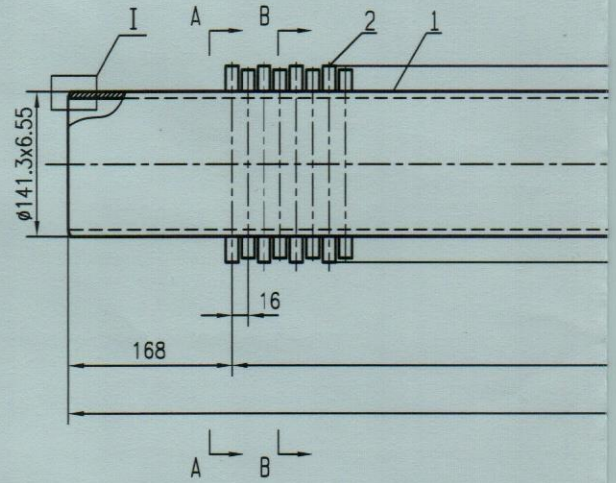
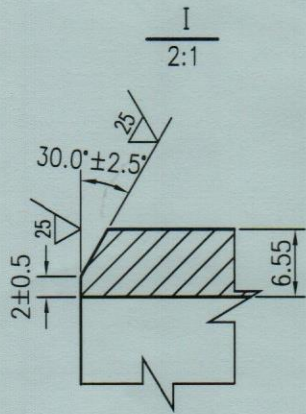
 NATIONAL REFINERY LTD. 7-B KORANGI INDUSTRIAL AREA KARACHI - PAKISTAN	 华陆工程科技有限责任公司 HUALU ENGINEERING & TECHNOLOGY CO.,LTD. (化学工业部第六设计院)
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ITEM	01-F01	DOC. NO.	18A31-02-D-003
SERVICE	TOPPING FIRED HEATER	PO NO.	18022-00J2410-PPM-001-00

标记 MARK 数量 NO. 更改单号 REV. NO. 签字 SIND 日期 ISSUE DATE 设计 DES. <i>证书</i> 标准 STD. 校对 CHK. <i>郑宜初</i> 批准 APP. 审核 REV. <i>刘可奇</i> 工艺 PRO. 日期 DATE 2019.7.22					NRL TSDU改造工程常压炉 NRL TSDU Revamp Project Topping Fired Heater 钉头管图 Stud tube drawing		 宁波连通设备集团有限公司 Ningbo Liantong Equipment Group Co., Ltd.			
							项目号 JOB.NO.		18A31	
							版次 REV.	比例 SCALE	重量 WEIGHT	
							2	1:5		
							第 1 张 OF 共 1 张			
图号 DRAWING NO.		18A31-02-D-003								

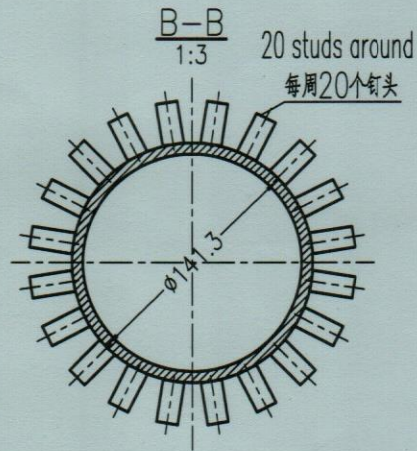
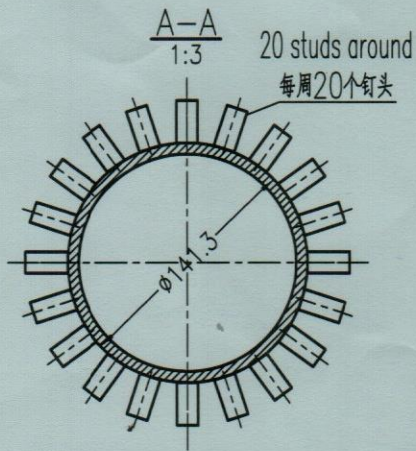
1 2 3 4

A



B

C



1. 钉头管应符合API 560-2
2. 碳钢材质钉头的化学成分
3. Gr.B炉管材质的化学成分
4. P5炉管材质的化学成分
5. 钉头管制造完成后应进行
6. 炉管壁厚为平均壁厚.
7. 所有炉管均为无缝钢管.

表1 sheet 1

	炉管规格 $\varnothing(\text{mm}) \times d(\text{mm})$ tube size	炉管材质 tube material	炉管材质标准 tube standard	A mm	L mm	数量 No.	钉头材质 stud material	炉管净重 tube weigh
钉头管1 studded tube 1	5" sch40	P5	ASTM A335	948	11980	2	CS	575.4
钉头管2 studded tube 2	5" sch40	P5	ASTM A335	168	11200	18	CS	538
钉头管3 studded tube 3	5" sch40	Gr.B	ASTM A106	168	11200	8	CS	538

technical requirements

1. studded tube should be accord with The requirement of API STANDARD 560-2016.
2. The Chemical composition and mechanical properties of studs should be accord with The requirement of API STANDARD 560-2016.
3. The Chemical composition and mechanical properties of Gr.B should be accord with The requirement of ASTM A106.
4. The Chemical composition and mechanical properties of P5 should be accord with The requirement of ASTM A335.
5. The studded tubes should be hydrostatic test after manufactured, test pressure 2176psi.
6. The thickness of the tubes are the average thickness.
7. Tubes are the seamless steel tubes.

E

F

1 2 3 4