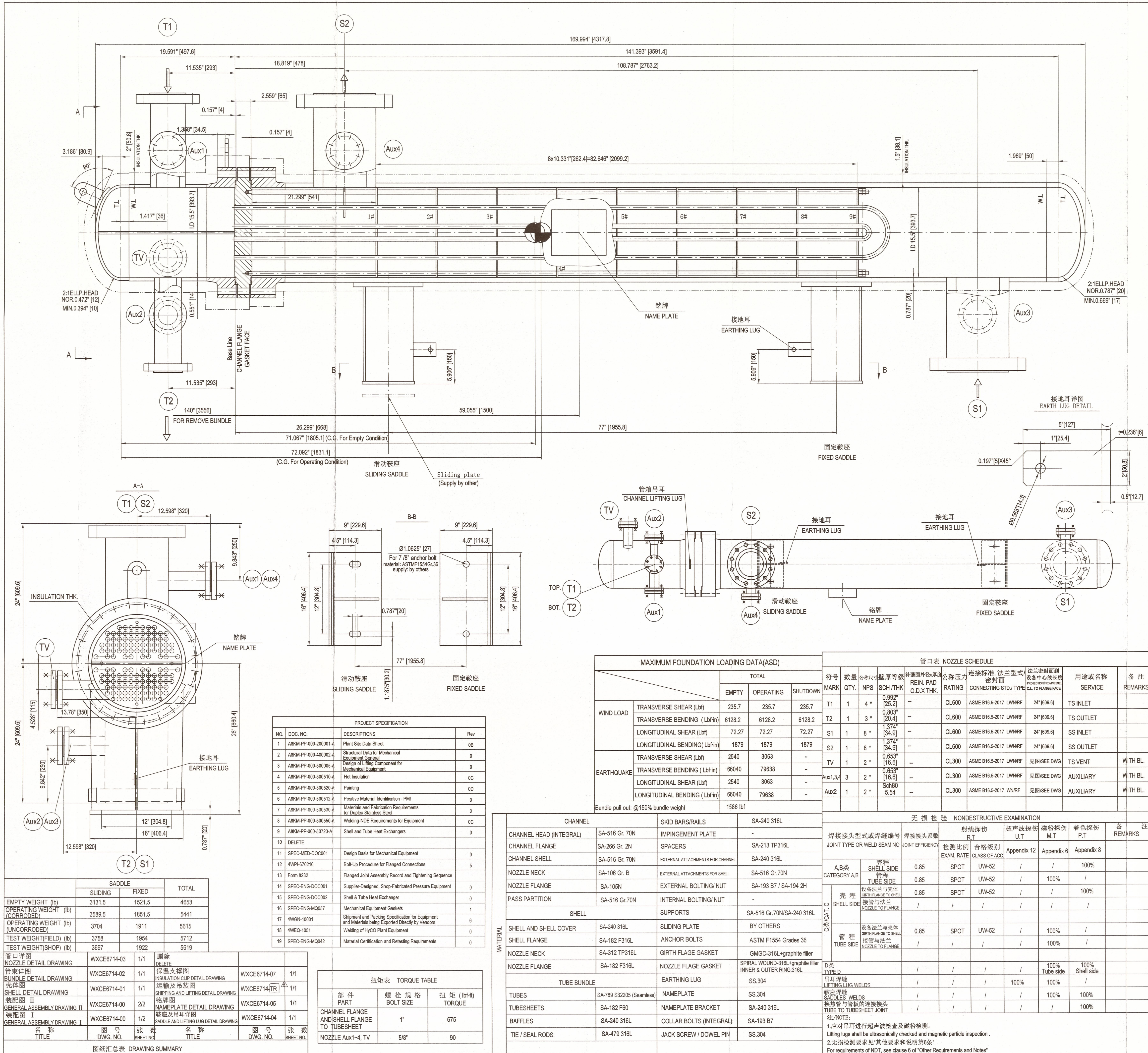




设计.制造.检验与验收数据表									
DATA SHEET OF DESIGN/FABRICATION/INSPECTION & ACCEPTANCE									
设计.制造.检验与验收标准					设计数据				
STANDARDS OF DESIGN/FABRICATION/INSPECTION & ACCEPTANCE					DESIGN DATA				
1. ASME SECTION VIII DIV.1 2021 ED.					名称	壳程		管程	
2. TEMA Tenth Edition CLASS R					DESIGNATION	SHELL SIDE		TUBE SIDE	
3. API660-2020.					换热器型式	BEU			
					EXCHANGER TYPE(TEMA)				
					传热面积	234.09 [21.76]			
					HEAT TRANSFER SURFACE AREA				
					DESIGN DUTY	3.6			
					设计压力(内压/外压)	180/15 [12.41/1.03]		232/15 [16.1/0.3]	
					DESIGN PRESSURE (INT/EXT)				
					工作压力(NORMAL)	63 [4.35]		50 [3.45]	
					OPERATING PRESSURE				
					最大允许工作压力	186.7 [12.87]		532 [36.68]	
					MAWP(INTERNAL)	(Limited by nozzle flange)			
					最大允许工作压力	FV @300 [148.9]		FV @400 [204.4]	
					MAWP(EXTERNAL)				
					最大允许压力	600 [41.36]		740 [51.02]	
					MAP	(Limited by nozzle flange)			
					设计温度	430 [221.1900]		430 [221.1900]	
					DESIGN TEMPERATURE	NOTE.1 NOTE.2			
					工作温度	120 [48.89]		328 [164.4]	
					OPERATING TEMPERATURE	120 [48.89]			
					最低设计金属温度	32 @186.7 PSIG		32 @532 PSIG	
					MDMT				
					工作介质	RAW Feed		Steam	
					OPERATING FLUID				
NB REGISTRATION					YES				
ASME CERTIFICATE					Yes (With U Designator)				
					壳程	管程			
					SHELL SIDE	TUBE SIDE			
					工厂水压试验	779.5 [53.8]		961.5 [66.3]	
					SHOP HYDROSTATIC TEST				
					现场水压试验	262.8 [18.2]		691.7 [47.7]	
					FIELD HYDROSTATIC TEST				
					气密试验				
					PNEUMATIC TEST				
					制造重量	4660 [2073]			
					FABRICATED WEIGHT				
					空重	4653 [2115]			
					EMPTY WEIGHT				
					安装重量	5441 [2473]			
					ERECTED WEIGHT				
					操作重量(腐蚀)	5615 [2553]			
					OPERATING WEIGHT(CORRODED)				
					操作重量(不腐蚀)	5712 [2586]			
					OPERATING WEIGHT(UNCORRODED)				
					水压试验(现场)	5619 [2554]			
					TEST WEIGHT(FIELD)				
					水压试验(工厂)	5619 [2554]			
					TEST WEIGHT(SHOP)				
					管束重量	1057 [480.5]			
					TUBE BUNDLE WEIGHT				
					管箱重量	634 [288]			
					CHANNEL WEIGHT				
					ASCE 7-2016, S1=0.579g, Ss=1.616g, Sd=1.077g, SD1=1.099g, Site Class=II, IMP. FACTOR=1.5, DESIGN CATEGORY=C	密封头/NO Solution annealing			
					SEISMIC DESIGN CODE	密封头/NO Solution annealing			
					ASCE 7-2016	密封头/NO Solution annealing			
					风载设计规范	密封头/NO Solution annealing			
					WIND DESIGN CODE	密封头/NO Solution annealing			
					基本风速	101 [45.2]		2 (IIH)	
					BASIC WIND VELOCITY				
					管口方位	AS PER THIS DWG		System 6	
					NOZZLE ORIENTATION				
					AS PER THIS DWG				
					油漆系统号	System 6		System 6	
					PAINT SYSTEM CODE				
					NOTE: 1.300°F is for shell side F.V. case.				
					NOTE: 2.400°F is for tube side F.V. case.				
					NOTE: 3. Tubesheet total corrosion allowance: 1/16", Tube: 0				
					apave				
					Reviewed by Witnessed				
					Signature				
					ZHAO XUMI NB15677 API				
					APAVE SA				
					管口载荷表 NOZZLES LOADS LIST				
					NOZZLE				
					NPS				
					FORCES (UNIT: Lbf)				
					MOMENTS (UNIT: Lbf-ft)				
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