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	REV	REV DESCRIPTION							DA	ATE APRVE			
	A		CI	USTOME	R	REVIEW	JL		12/25				
	В		CUSTOMER			REVIEW	JL	06/1	16/25		MC		
		WELD PROCEDURES											
												WIRE	
	CS				CS STEEL					ER70S-2			
	SS		CS	CS STEEL TO SS STEEL					ER309L				
	IS		CS	CS STEEL TO ALLOY 625				ERNiCrMo-3					
	IN.1				N06625 TO N06625					ER	ERNiCrMo-3		
	TA.1 AGTA.1 TANTA								N/A SILVER				
	-									SILVER			
	DESIGN CONDITIONS												
	DESIGNED PER ASME CODE SECTION VIII, DIVISION 1, 2023 EDITIO AND TEMA ELEVENTH EDITION											ION	
						TUBE SIDE			Ξ	SHELL SIDE			
	DESIGN PRESSURE				\square	MPa	-	0.8			0.8		
	MAWP OPERATING PRESSURE				-	MPa MPa	.8 .31			0.8			
	OPERATING PRESS DESIGN TEMPERAT				-	°C	-	.31 91		191			
	MDMT				+	°C	0			0			
	OPERATING TEMP.(IN			LET/OUTLE	T)	°C	78.83/85			155.61/155.12			
	LETHAL SERVICE				2		NO			NO			
	WORKING MEDIUM			-			HCL-18% PICKLING LIQUID			STEAM			
	FLUID QUANTIT				· _	KG/H MM	207907(160M^3/H) 0 (HEAD/SHELL)			2002 1.6 (SHELL)			
	CORROSION ALLO				· _	IVIIVI	NONE			NONE			
	JOINT EFFICIENCY			CY			0.7			0.7			
	HEAT TREATMENT					NONE				NONE			
	HYDRO TEST PRESSURE				-	MPa	1.04			1.04			
	EXCHANGE AREA HEAT EXCHANGED				_	M^2 KCAL/H	10	0000	3.83	2 80KV	V)		
	WEIGHT EMPTY					KG KG							
	WEIGHT FULL OF WATER					KG	~600						
	IMPA	CT TES	TING	NOT REC	RED PER:	UG-20(f), l	JCS-6	6(b,c).					
	MATERIALS OF CONSTRUCTION									I			
	TUBES (33) 25.4 OD X 0.51												
	AVG, SEAMLESS					B-521 R05252							
	TUBESHEETS / LINERS					SA-266 2 / B-708 CS WITH PTFE							
	HEAD/SHELL EXPANSION JOINT									SA-106 B SB-443-N06625			
	BODY FLANGE					SA-105 / PTFE			-				
	NOZZLE NECKS					-				SA-106-B			
	NOZZLE FLANGES					SA-105 / PTFE				SA-105			
	BAFFLES SUPPORTS					25% G.F. SA-516							
									PTFE				
N OF THE		DS / NU	ITS				SA-			A-194 2	2H		
		Т	AN	ITALL	JN	/ HEA	TEXC	CHA	NG	ER			
TION.		TEMA			BE		TEMA	A CLA	SS :			В	
RATION.						DSCO DREA							
						M10C20							
S ARE MM	CONTRACT #: -												
S ARE MM	CUSTOMER TAG #: - MANUFACTURER# : XX					XX-1-1							
ICES E SPECIFIED) ACCUMULATIVE	TITAN METAL FABRICATORS (WUXI) CO., L NO. 61 HONGXIANG ROAD WUXI NEW DISTRICT, JIANGSU PROVINCE 214028 PEOPLE'S REPUBLIC OF CHINA												
	DRAWN: DATE: MATERIAL: FINISH: HEAT TREAT:												
$\oplus \square$													
))	CHECKED: DATE: TITLE: PICKLING HEAT EXCHANGER												
THIRD ANGLE PROJECTION	APPROVED: DATE: DN250 1000000Kcal/hr												
	SCALE: SIZE: DWG #: XX-1-1-01 SHEET: Of of Y								REV:				
	1:10)	В			XX-1-	1-01			01 of 2	xx	В	