					FOR	RM U-1 MANU	EACTUDE	דאת פיכ	۸ ۵	PEPOPT	EOD DDESS	IIDE '	VESSE	1 9		2	SOC	:		
	MO N SO N					d by the Provisio									sion 1					
1. N				d by T	he Trane	e Co-2, 101 W	/illiam Whi	ite Blvd	., P	ueblo, (Colorado, 81	001								
2. N	1anufactured	l for	N/A						`		address of Ma		urer)							
	ocation of in			J/Δ				()	lam	e and add	ress of Purchas	er)								
3. L	ocation of in	Stai	iation <u>.</u>	47.						(Name	e and address)									
4. T	ype(Hori	zon	Horizon	tal	nere)		(Tank, sepa	Heat E	xch vess	nanger sel. heat e	xch., etc.)				(Manufa	30000 acturer's s		ber)		
					5722-7632-0003-A					(Manufacturer's serial number) 300005 2016										
-	N/A (CRN)						(Drawing number)					(National Board number))	(Year built)			
5. ASME Code, Section VIII, D				II, Div.			2015/ N/A denda, if applicable (date)]				1518-5 (Code Case Numl			ber) [Special Se				None		
	Itams 6-11	incl	to he co	nmnlete		gle wall vessels							,		_		-		J(u)]	
. S	hell: (a) Nur				2		(b) Over			200010, 01	ien of rieat ex		2M	onam.	301 01 111	antonam	_	5010.		
Course(s)					M	laterial	Thickness		Lo	Long. Joint (Cat. A				, ,	B, & C)	Hea	t Treatn	nent		
lo.	Diameter		Lenç	_	<u> </u>	rade or Type	Nom.		Corr.		Full, Spot, None		Type F		_	Eff.	Temp.		Time	
1	547.0 mm li		1.05			16 Gr. 70 16 Gr. 70	6 mm	0		1 1	None None	70% 70%	7	N/ N/		N/A N/A	N/A°	-	N/A	
	347.0 mm n		1.03	OINI	3A-3	10 GI. 70						70%	1	IN/	A	N/A	IN/A		IN/A	
	T			Т	1	1	В	ody Flan	ges	on Shell	S				E	Bolting				
No.	No. Type		ID	OD	Flange Thk	Min Hub Thk	Mate	rial	A	How Attached	Location	Num & Size		Bolting M		Washer	Vasher (OD, ID, thk)		asher aterial	
/A	N/A		N/A	N/A	N/A	N/A	N/A		N/	/A	N/A	N/A		N/A		N/A		N/A		
7. H	Heads: (a)	1)	Material sp	oec. nur		N/A e or type) (H.T	time and tem	p.)			(b) (Ma	terial:	spec. nu	mber, g	N/A grade or t	type) (H.T	time aı	nd temp	p.)	
	Location (Top, Bottom, Ends)		I	hicknes	s	Radii	us	Elliptica	- 1		oex Hemispheric	cal Flat S Diameter		Side to Pressure Convex Concave			Catego	огу А		
			Min.		Согт.	Crown	Knuckle	Ratio	4	Angle	Radius						Full, Spot,			
/A	N/A		N/A		N/A	N/A	N/A	N/A		N/A	N/A		N/A	N/A	N/A	N/A		N/A	N/	
								ody Flan	ges	on Heads	3					Bolting			-	
	Location		Туре	ID	OD	Flange Thk	Min Hub Thk	Min Hub Material		ı H	How Attached		Num & Size B		Rolling Material Was		her (OD, D, thk) Washer Mater			
)	N/A	N/A		N/A	N/A	N/A	N/A	N/A		N/A				N/A		N/A	N/A			
. Ty	pe of jacket					None				Jack	et closure				N	/A				
lf	bar, give din	nen	sions; if I	polted,	describe	or sketch						N/A		Describ	e as oge	e & weld,	oar, etc.)			
MA	AWP1	379	kPa		N/A	at max. tem	np. 14	9 °C		N	/A Mir	n. des	ign met	al tem	p	-29 °C	at	137	9 kPa	
\ Ir	mpact test	Inte	rnal)		(External)		(Inter	,	·ke	(Extern	nal)				at	test tem	neratur	e of	N/A	
, II	mpaoriesi _					[Indicate yes				s) impact t	ested]				a	LUGI IUII	Polatult	· · · ·	IVA	
. H	ydro., pneu., o	r co	mb. test p	ressure	Pneu	. at 1517 kPa	_ Proof te	st					N	I/A		<u> </u>				
	tems 12 and	13	to be co			sections.		.47.0			40.0						147	lala d		
<u>.</u> [ubesheet	-	[Statio		16 Gr. 70 aterial spe	c. no.)]	[Diameter	547.0 mm (subject t		ress.)]	40.0 mm (Nominal thick	ness)		O Corr. al	low.)	Attac	We hment (w	elded relded o	or bolte	
					N/A			N/A			N/A			N/A			N	l/A		
			[Floa		terial spec	. no.)]	(Diameter)	,		(Nominal thick	ness)	((Corr. al				hment))	

19.05 mm (O. D.)

0.635 mm (Nominal thickness) 165 (Number) Straight
[Type (Straight or U)]

13. Tubes

SB-359 C12200 (Material spec. no., grade or type)

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NB Number 300005

Items 14-18 incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers. 14. Shell: (a) No. of course(s) N/A (b) Overall length SEE REMARKS Long. Joint (Cat. A) Circum. Joint (Cat. A, B, & C) Heat Treatment Course(s) Thickness Material Spec./Grade or Type Type Full, Spot, None Type Full, Spot, None Eff. Temp. Time No. Diameter Length Nom. Eff. N/A Body Flanges on Shells Bolting How Flange ID OD Min Hub Thk Washer (OD, ID, Material Bolting Washer No. Type Location Thk Attached Num & Size Material Material N/A 15. Heads: (a) (b) N/A N/A (Material spec. number, grade or type) (H.T. - time and temp.) (Material spec. number, grade or type) (H.T. - time and temp.) Location (Top, Radius Elliptical Conical Apex Hemispherical Flat Side to Pressure Category A Diameter Bottom, Ends) Ratio Angle Radius Convex Concave Full, Spot, None Eff. Min. Corr. Crown Knuckle Type N/A (a) **Body Flanges on Heads** Boltina Min Hub Location Type ID OD Flange Thk Material How Attached Washer (OD, Num & Size Bolting Material Washer Material Thk ID, thk) N/A 16. MAWP N/A N/A N/A N/A N/A N/A Min. design metal temp. at max. temp. (Internal) (Internal) (External) at test temperature of N/A 17. Impact test [Indicate yes or no and the component(s) impact tested] N/A 18. Hydro., pneu., or comb. test pressure N/A Proof test 19. Nozzles, inspection, and safety valve openings: Nozzie Attachment Details Material Location (Insp. urpose (Inlet, Diameter or Reinforcem No. Type utlet, Drain, etc.) Size ent Material Open.) Nozzle Flange Corr. Nozzle Flange Nom. N/A Outlet 141.0 mm ID **Fabricated Pad** SA-516 Gr.70 SA-516 Gr.70 N/A N/A N/A Integral with tubesh None N/A Inlet 2 2 -1/2NPS **Socket Fitting SA-53 E/B** 5.16 mm N/A Fig. UW-16.2(k) N/A N/A None 2 1 NPS Threaded Coupling **SA-106B** 6.35 mm N/A Fig. UW-16.2(e) N/A N/A Pressure port N/A None 2 1 NPS 9.09 mm N/A Fig. UW-16.2(e) N/A N/A **Pressure Port** Threaded Coupling **SA-106B** N/A None 2 7/8-14UNF N/A **Threaded Port** SA-516 Gr 70 N/A N/A N/A Integral with tubesheet N/A Relief None 2 1 NPS Fig. UW-16.2(e) N/A N/A **Socket Fitting SA-106B** N/A 6.35 mm N/A None Pressure Port Additional Nozzles - See Attached U-4.. 20. Supports: Skirt None None No Lugs None Attached Integral with Tubesheet (Yes or no) (Number) (Number) (Describe) (Where and how) 21. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report (list the name of part, item number, Manufacturer's name, and identifying number):

N/A

22. Remarks

Duplex vessel design. UG-25(d) for non-corrosive service; refrigerant R-134a. Evaporator: ASME shell side only. Constructed in accordance with Appendix 23, External Pressure Design of Copper, Copper Alloy, and Titanium Alloy Condenser and Heat Exchanger Tubes with Integral Fins. Code jurisdiction ends at the first threaded connection, face of first flange/sealing surface, or first sealing surface for proprietary connections or fittings. Impact testing not required per UCS-66(b). Tubesheet designs per U-2(g). Copper tube design temperature 66 C at MAWP.