## FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS (Alternative Form for Single-Chamber, Completely Shop- or Field-Fabricated Vessels Only) As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

6. Shell SA-312	Locat Type ASME Shell Typ	SMI (Horizo	installati LS PIPE ontal or veri , Section S Material spe	OOI COIL ical, tank) VIII, Div A-312 c. number,	(Manu /. 1	18-136 facturer's se (Edition an	ENCORE D  rial number)  2017 EDITIC d Addenda, if ap 0.337"	NON (CRN	(Nam E RENEV IE	830 KIVE ne and add VABLES (Nam	ett LA ress of P 611 Pl ne and ac 8136-F	NE RE durchase ERU S ddress)	ENO, N	V 89521 MECAR	208		2018
A	Locat Type ASME Shell Typ	SMI (Horizo	installati LS PIPE ontal or veri , Section S Material spe	OOI COIL ical, tank) VIII, Div A-312 c. number,	(Manu /. 1	18-136 facturer's se (Edition an	ENCORE D  rial number)  2017 EDITIC d Addenda, if ap 0.337"	NON (CRN	(Nam E RENEV IE	830 KIVE ne and add VABLES (Nam	ett LA ress of P 611 Pl ne and ac 8136-F	NE RE durchase ERU S ddress)	ENO, N	V 89521 MECAR	208		2018
SALC	Locat Type ASME Shell Typ	SMI (Horizo	installati LS PIPE ontal or veri , Section S Material spe	OOI COIL ical, tank) VIII, Div A-312 c. number,	(Manu /. 1	18-136 facturer's se ' (Edition an	orial number)  2017 EDITIC d Addenda, if ap 0.337"	NON (CRN	E RENEV	VABLES (Nam	611 Pl ne and ad 8136-H	ERU S ddress) ICD		32	208		2018
1.   1.   1.   1.   1.   1.   1.   1.	Type ASME Shell Typ -	SMI (Horizo E Code,	LS PIPE ontal or vertical or vertical or vertical specific properties of the control of the cont	COIL ical, tank) VIII, Div A-312 c. number,	(Manu /. 1	facturer's se	orial number)  2017 EDITIC d Addenda, if ap 0.337"	NON (CRN	IE	(Nam	ne and ac 8136-H	ddress) ICD	STREET	32	208		2018
A Type   SMLS PIPE COIL   18-136   18	ASMI Shell	E Code,	, Section Section	VIII, Div	/. 1. <u> </u>	facturer's se	rial number)  2017 EDITIC d Addenda, if ap  0.337"	(CRN	I)	1	8136-F	ICD					2018
A type	ASMI Shell	E Code,	, Section Section	VIII, Div	/. 1. <u> </u>	facturer's se	rial number)  2017 EDITIC d Addenda, if ap  0.337"	(CRN	I)				Marine Service				20.0
Second   S	Shell Typ -	(N	S Material spe	A-312 c. number,	Vi.	[Edition an	d Addenda, if ap 0.337"					11110017		(National B	oard numbe	r)	(Year built)
Second   S	Shell Typ -	(N	S Material spe	A-312 c. number,	Vi.	[Edition an	d Addenda, if ap 0.337"		ate)]		N	IONE			U-1H	.UW-2(d)DIF	RECT FIRED
Corr. allow.	Тур - - -	(N	Material spe	c. number,	grade)	(No	S-5010-3500 II.						nber)			ecial service per	
Nominal thickness   Corr. allow.   Control   Corr. allow.   Control   Cont	Тур - - -	(N	Material spe	c. number,	grade)	(No	minal thickness)		0.0625"			3.	826"			31' - 8	3/8"
Type   ID   OD   Flange Thk   Min Hub Thk   Material   How Attached   Location   Num & Size   Bolting Material   Was   Was   Material   Num & Size   Bolting Material   Was   Was   Material   Num & Size   Bolting Material   Was   Material   Num & Size   Bolting Material   Mow Attached   Num & Size   Bolting Material   Num & Size   Material   Num & Size   Bolting Material   Num & Size   Bolting Material   Num & Size   Num & Size   Num & Material   Num & Size   Num & Material   Num & Size   Num & Size   Num & Material   Num & Size   Num & Si	-	rpe - -	ID -	OD Flar	74 H	10. 32			(Corr. allow.)	)		(Inner	diameter)			(Length (c	verall)]
Num & Size   Bolting Material   How Attached   Location   Num & Size   Bolting Material   Wast (OD, IT)	-	rpe - -	ID -	OD Flar	17,76		egy England	Body F	langes on S	Shells	1,411	Al lo i	To the last	mos usu		( (bandle)	Meuron) a f
100   Type   10   OD   Flange Thk   Min Hub Thk   Material   How Attached   Location   Num & Size   Bolting Material   (OD, ID	-	rpe - -	ID -	OD Flar		III / cyrea			1 to					Amerika	Bolting		_
Table   Tabl		-	T (18.5% (2))		nge Thk	Min Hub Th	k Materi	al	How Attack	hed Loc	ation	Num 8	& Size	Bolting Ma	terial (	(OD, ID, thk)	Washer Materi
Table   Tabl		-		- 120	- 10	-	e da milion <u>-</u>		2 (114 <u>1</u> 2)	2.04	-		Elengy II	NO GOLDE	9 10/15		100 mm 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Table   Tabl		-	-	-	-	-					-				1		-
Seams   SEAMLESS   NONE   100   NONE   N/A   WELDED, SNGL, BUTT   FULL			-	-	-	-		100000			- '				100	-	-
	Sear				-			100						and the same of the same	FU		100
Nozzles   Material   Concession   Concessi					lap, but										(R.T.	(spot (Eff., %	(No. of courses
Location (Top, Bottom, Ends)   Minimum Thickness   Corrosion Allowance   Radius	Цоол	do: (a) N	Actorial				-			(b) N	Antorio				or fo	[(111	
Bottom, Ends   Thickness   Allowance   Radius   Radius   Ratio   Apex Angle   Radius   Diameter	пеас	us. (a) iv	nateriai .			(Spe	c. no., grade)			_ (b) iv	iateria	-		(	Spec. no., gr	ade)	
Body Flanges on Heads   Bolting   Was   Size   Bolting Material   How Attached   Num & Size   Bolting Material   Was   GOD, IC			7 (15,000)			Corrosion	20.0		1000				Hemispl	herical			to Pressure
Body Flanges on Heads   Bolting   Was   Location   Type   ID   OD   Flange Thk   Min Hub Thk   Material   How Attached   Num & Size   Bolting Material   (OD, IC	'	Bottom, E	nds)	Thicknes	s	Allowance	Radius	Radius	Ratio	0 A	Apex Ang	gle	Rad	lius	Diameter	(Conve	x or Concave)
Body Flanges on Heads	$\perp$	-		-		-	-	-	_		-			-	121		-
Location   Type   ID   OD   Flange Thk   Min Hub Thk   Material   How Attached   Num & Size   Bolting Material   Was (OD, II		-		-		•	-	-			-			-	-		
Location   Type   ID   OD   Flange Thk   Min Hub Thk   Material   How Attached   Num & Size   Bolting Material   Was (OD, IC								Body	y Flanges o	n Heads							
Location   Type   ID   OD   Flange Thk   Min Hub Thk   Material   How Attached   Num & Size   Bolting Material   (OD, IC											- 1				Boltin	Washer	Т
MAWP 1,400 psig 0 at max. temp. 775 F (Internal)  Min. design metal temp20 F at 1,400 psig . Hydro., pneu., or comb. test pressure HYDROTEST  Proof test  Nozzles, inspection, and safety valve openings:  Purpose (Inlet, Outlet, Diameter	Loc	cation	Туре	ID	OD	Flange Thk	Min Hub Thk	Mate	erial	How Atta	ached	Num 8	k Size	Bolting Ma	aterial	(OD, ID, thk)	Washer Mater
9. MAWP 1,400 psig 0 at max. temp. 775 F  (Internal) (External) (Internal)  Min. design metal temp20 F at 1,400 psig . Hydro., pneu., or comb. test pressure HYDROTEST  Proof test  0. Nozzles, inspection, and safety valve openings:  Purpose (Inlet, Outlet, Diameter		-	-	-	( <del>*</del> (	-	-		·	-				-			-
Min. design metal temp. — 20 F at 1,400 psig . Hydro., pneu., or comb. test pressure		-	-		-												
Min. design metal temp at1,400 psig Hydro., pneu., or comb. test pressure HYDROTEST  D. Nozzles, inspection, and safety valve openings:  Purpose (Inlet, Outlet, Out	MAW	VP							_ at max	k. temp.	_				_	775 (Extern	
Proof test  D. Nozzles, inspection, and safety valve openings:  Purpose (Inlet, Outlet, Outlet	Min	docian			-20 F	at		ш	dro ppo	u oroc	omb te				HYDRO		
D. Nozzles, inspection, and safety valve openings:  Purpose (Inlet, Outlet, Ou						at			dio., prie	a., or co	JIIID. LE	sat bre	ssuie				
Purpose (Inlet, Outlet, Diameter Diameter Material Nozzle Thickness Reinforcement Attachment Det																	
(Inlet, Outlet, Diameter Material Nozze Michigan Reinforcement	Nozz	zles, ins	pection,	and safe	ty val	ve openii	ngs:										
				Diamete	er		М	aterial		Nozzl	e Thickn	ess	Reinford	cement	Attachme	ent Details	Location
			No.	or Size		Туре	Nozzle		Flange	Nom	. Co	orr.	Mate	erial	Nozzle	Flange	(Insp. Open.)
	INL	ET.	4	4"	R	NWLTS	SA-312				_					WELDED	END
			4	4"	R					_			NOI	NE		WELDED	END
			-	-	_				-		_		-			•	-
				-	-				-	-	_		-		- "	-	
			_	-	+					_	-	_				-	
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	5000								20040						***	NOVE	0.00
1. Supports: Skirt Lugs Legs Other Attached	-	ports: Sl	kirt	10 L	ugs _	NONE	Legs NC	NE O	ther	NC			Attacl	hed		NONE (Where and how	A/\
(Yes or no) (Number) (Number) (Describe) (Where 2. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnis			<sub>(Yes)</sub> anufactu	or no) rer's Par	tial Da	(Number) Ita Repor	Nur) ts properly id	nper) dentified	and sign	ned by C		ssione	ed Inspe	ectors ha			
items of the report:  NO SAFETY DEVICES INSTALLED BY HEATEC INC.SAFETY DEVICES BY END USER PER	Supp	arks: Ma															

FORM U-1A

Page \_\_2\_\_ of \_\_2\_\_

Manufactured by						
Manufacturer's Serial No	18-136	CRN	NONE	Nationa	al Board No	3208
		CERTIFICATE O	F SHOP/FIELD C	OMPLIANCE		
We certify that the statements r conform to the ASME BOILER All expires		SSEL CODE, Section	on VIII, Division 1	I. "U" Certificate	e of Authorization n	00010
Date 1217118 Co. name	e	HEATEC INC	J.	Signed	Charles	Representative)
		CERTIFICATE O	F SHOP/FIELD I	NSPECTION		
Vessel constructed by	HE	EATEC INC.		at5200	WILSON, RD, CHA	TTANOOGA,TN. 37410
I, the undersigned, holding a	valid commissi Arise		National Board			
have inspected the component to the best of my knowledge an		s Manufacturer's (	Data Report on .	12-1	2-18	
VESSEL CODE, Section VIII, Di	vision 1. By signi	ng this certificate	neither the Ins	pector nor his/	her employer make	es any warranty, expressed or
implied, concerning the pressu shall be liable in any manner fo						
Date 12-12-18 Signed _	Hafu	Dividio (Inspector)	11	ommissions —		NB 716 red Inspector Commission number)

## FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

Manufactured and	certified by	HEATEC INC. 5200 WILSON ROAD CHA	ATTANOOGA, TENNESSEE 37410	)								
		(Name and address of	Manufacturer)									
Manufactured for	nufactured forENCORE DEC 14830 KIVETT LANE RENO, NV 89521											
Wallara actarda 101	(Name and address of Purchaser)											
Location of installa	tion											
C	EAMLESS DIDE COIL	(Name and address)										
Type	eAMLESS PIPE COIL orizontal, vertical, or sphere)	HEAT EXCHANGER (Tank, separator, heat exch., etc.)		18-136 (Manufacturer's serial number)								
NONE		18136-HCD	3208	2018								
(CRN)		(Drawing number)	(National Board number)	(Year buil								
Data Report Item Number		Pomerke										
LINE # 12	(8) 4" SCH 80 LP 45 DE	(8) 4" SCH 80 LR 45 DEGREE ELBOWS, SA-403										
LINE # 12	(8) 4" SCH 80 LR 90 DE											
	(4) 4" SCH 80 SA-312 PI											
	(1) 4" SCH 80 SA-312 PI											
	(1) 4" SCH 80 SA-312 PI											
	(1) 4" SCH 80 SA-312 PI											
		SCH 80 SA-312 PIPE, 1' - 9 1/2" LNG.										
	(8) 4" SCH 80 SA-312 PI											
	(0)	. 10,10 1.10.										
	-											
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37												
ficate of Authorizati	ion: TypeU	No Expi	res10/01/202	<u>?</u> 1								
ialialis ,	Jame	HEATEC INC.	Signed Chincol									
	// //	(Manufacturer)										
12-12-18 N	ame Koful	Burdetto Commissi	ons <u>NB 716</u>									
	. 0	authorized Inspector)	(National Board Authorized Incoast	or Commission aug								