	National B	oard N	lumber		FO	RM U-1 MAN	UFACTURE	R'S DATA	A REF	PORT	FOR PRE	ssu	JRE \	/ESSEL	.S	_				4 60
	Serial	Numb	er	A	s Require	ed by the Provis	ions of the ASI	ME Boiler a	and Pre	essure	Vessel Cod	e Rul	les, S	ection VII	I, Divis	sion 1			Page	1 of 3
1. N	lanufacture	d an	d certifie	d by H	udson	Products Co	rporation,	9660 Gru	ınwal	ld Ro	ad, Beasl	ey,	Texa	s, 7741	7					
2. N	lanufacture	d for	ATLA	NTIC (COAST	PIPELINE, L	LC., PO Bo	x 25459,	, Rìch	hmon		a, 23	3260							
3. L	ocation of i	nstall	ation A	TLAN	TIC CO	AST PIPELI	NE, LLC., N			TON,		rolir								
4. T	уре		Horizont	tal			Aiı	r Cooled H	leat Ex	xchanc	aer			_			16286-1			
	(Ho	rizont	al, vertica	l, or sph	ere)		(Tank, sepa	arator, jkt. v	essel,	, heat e	exch., etc.)					(Manufa	cturer's	serial nun	nber)	
-			N/A (CRN)				\$16286-1 , (Drawing no						/Not	3220 ional Boa		nhor)			2018 (Year bu	
5.	ASME Cod		(- /	II. Div.	1		2015/ N/A	ulliber)				N	(Nai I/A	IUIIdi DUd	iu iiui	ilbei)		N/A	(Teal Di	iiit)
		-,		.,			ddenda, if appl	licable (dat	te)]		(Cod			mber)		[Sp	oecial Se		UG-120(d)]
	Items 6-11	incl.	to be co	mplete	d for sin	gle wall vesse	els, jackets o	f jacketed	vess	els, sl	hell of heat	exc	hang	ers, or c	hamb	per of m	ultichan	nber ves	sels.	
6. S	nell: (a) Nu	ımbe	r of cour	se(s)	1		(b) Ove	rall length	n			7	7' 0.0	0625"				_		
		urse(s	<u> </u>			Material	<u> </u>	ckness			ong. Joint (Ca					(Cat. A, I			at Treatme	
No.	Diamete 7.375" x 11		Zeng 7' 0.06		Spec./0	Grade or Type N/A	Nom.	Corr.		N/A	Full, Spot, No N/A	_	Eff.	Type Fu	III, Spo		Eff.	Temp N/A		ime VA
	7.373 X 11	./3	7 0.00	020		N/A							N/A	N/A	IN/	Α	N/A	IN/A		N/A
					T			Body Flang	T		s	\neg				В	olting			
No.	Туре		ID	OD	Flang		k Mate	erial		low ached	Location	י [Num	& Size		olting aterial		r (OD, ID hk)		sher erial
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	
7. H	Heads: (a)	//				125-1175F - 2					(b)	/N A - 4	S	A-516,	70N,	1125-1	175F -	2:00 HF	₹	
	Location (T	<u> </u>		hickness		de or type) (H.T.	- time and ten dius	np.) Elliptical	II Co	onical	Hemispheri	<u> </u>	eriai s at Diai			rade or t		Categ)
	Bottom, En		Min.		Corr.	Crown	Knuckle	Ratio			cal Radius		at Diai	<u> </u>		Concave	Туре		Spot, Non	e Eff.
(a)	Top & Bot	tom	0.875	0	.0625	N/A	N/A	N/A	1	N/A	N/A	3.81	25 x 8	34.0625			C.J.	F	Partial	N/A
(b)	Ends		0.875	0	.0625	N/A	N/A	N/A	1	N/A	N/A	3.81	125 x	9.6875			C.J.	F	Partial	N/A
							E	Body Flang	ges on	1 Head	s									
	Location		Туре	ID	00	D Flange Ti	nk Min Hub Thk	Mate	erial	ŀ	low Attache	d	Nur	n & Size	Bol	ting Mate	Bolting Prial Was	her (OD,	Washer I	Material
(a)	N/A	N/A		N/A	N/A	N/A	N/A	N/A		N/A	<u> </u>	_			N/A		N/A), tnk)	N/A	
. ,	pe of jacke	1		147.	1471	N/A	14/21	14/71		1	et closure				14/2	N/	1		147.1	
	. ,									_	or olocalo .			(De	escribe	as ogee	& weld,	bar, etc.))	
lf	bar, give di	mens	sions; if b	oolted,	describe	or sketch							N/A							
9. M <i>A</i>	AWP	1527	psi		N/A	at max. te	emp. 1 ;	30 °F		N	I/A	Min.	desi	gn meta	I tem	p.	- 20 °F	at	1527	psi
10. lr	npact test	(Inter	nal)		(External	•	No, pe	ernal) r UG-20 (1	f).	(Exteri	,					at	test ten	nperatur	e of	N/A
11. Hy	/dro., pneu.,	or cor	nb. test p	ressure	Hydi	[Indicate ye ro at 2443 psi	s or no and the Proof to		nt(s) ir	mpact t	ested]			N/A	Ą					
It	ems 12 and	d 13 i	to be cor	npleted	for tube	e sections.														
12. T	ubesheet_		[Ctatio		16, 70N aterial spe	oc no \1	11.75	50" x 84.06 (subject to	325"	2 /1	1.62 (Nominal th		occ)		0.062		Λ++c -		elded	holted)
			[Olail0]	, ,		50. HU.J]	[Diameter		piess	o./]	(c 55)	(0)		Ovv.)	Alld(•	elded or	boileu)
	_		[Float		N/A terial spe	c. no.)]		N/A (Diameter)		— -	(Nominal th		ess)	(Co	N/A orr. allo	ow.)			N/A chment)	
13. T	ubes _				9 T304L			1.000			0.06				178				aight	
			(Materia	al spec. I	no., grade	e or type)		(O. D.)			(Nominal th	nickne	ess)	(1	Numbe	er)		Type (St	raight or I	J)]

								F	ORM U	1									Page	2 of 3
Manı	ıfactured by	Huc	Iso	n Prod	lucts	Corpora	tion, 96	660 Grunv	wald Roa	d, Bea	sley,	Texas, 774	17							
Manı	ıfacturer's S	erial No.	S1 (6286-11	A-A-2			CRN	N/A				Nat	ional Bo	oard No	o. 3226	8			
	Items 14-18 hell: (a) No				ed for i	nner cha	mbers o	•	<i>vessels or</i> verall leng		nels of	heat exchai	ngers.							
	Cou	urse(s)				Material		Thi	ickness		Lon	g. Joint (Cat. A	۸)	Circu	m. Joint	(Cat. A,	B, & C)	Hea	at Treatm	ent
No.	Diameter		_eng	gth	Spec	./Grade or	Туре	Nom.	Corr	. Т	ype Fu	II, Spot, None			ull, Spo	t, None	Eff.	Temp		Time
	N/A		N/A	4		N/A		N/A	N/A	. 1	N/A	N/A	N/A	N/A	N/A	4	N/A	N/A		N/A
									Body Flan	ges on	Shells) altina			
No.	Туре	II)	OD		nge nk Min	Hub Thk	Mat	terial	Ho Attac		Location	Num	n & Size		olting aterial	Bolting Washer th	(OD, ID, k)		asher terial
N/A	N/A	N/A		N/A	N/A	N/A		N/A		N/A	N	I/A	N/A		N/A		N/A		N/A	
15.	Heads: (a)	(Materi	al sp	oec. num	nber, gr	N/A ade or type	e) (H.T	time and ter	mp.)		(b)(Ma	aterial	spec. nu	mber, g	N/A	ype) (H.T.	- time a	nd temp).)
	Location (To	<u> </u>		hickness		7.	Radiu		Elliptica	I Conid	cal Apex					Pressure		Categ		<u>, </u>
	Bottom, End	ds) N	lin.		Corr.	Cr	own	Knuckle	Ratio	A	ingle	Radius	D	ameter	Convex	Concave	Туре	Full, S	Spot, Noi	ne Eff.
N/A	N/A	N	l/A		N/A	N	I/A	N/A	N/A		N/A	N/A		N/A	N/A	N/A	N/A		N/A	N/A
									Body Flang	jes on l	Heads									
	Location	Туре		ID		OD Fla	ange Thk	Min Hub Thk	Mate	erial	Ho	w Attached	Nu	m & Size	e Bolt		Bolting Wash	er (OD, thk)		Material
N/A	N/A	N/A		N/A	N/A	. N/A	A	N/A	N/A		N/A		N/A		N/A	<u> </u>	N/A		N/A	
17.	Impact test							(Inte									N/A test temp			N/A
	Hydro., pn	eu., or co	mb	. test p	ressu	re		N/A		Proof					1	N/A				
	Nozzles, ins						:	Mat	la mia l		Nomelo	Thiskness	D : (,	.	Λ #4 a a la va	ant Dataile			//
Pur	pose (Inlet, O etc.)	utlet, Drain	,	No. Dian	neter or Size	Туре		Nozzle	erial Flang		Nom.	Thickness Corr.		orcemer aterial	``	Allachm Nozzle	ent Details Flang		ocation. Oper	· .
	INLET / OU	TLET		4 8"	900#	RFWN	_		SA-10		SCH 16		1	lone			UW16	_		,
	VENT/DRA			2 1"-	6000#	COUPLIN	IG S	SA-105				0.0625	١	lone	U	W-16.1				
TRAI	ISITION - INL	ET/OUTL	EΤ	4	8"	Pipe	SA-	234 WPB		;	SCH 16	0 0.0625	1	lone	U	W-16.1				
20.	Supports:	Skirt _		Lu	ıgs	N/A	Legs	N/A	Oth	ers		N/A			Atta	ached _		N/A		
24 1	Annu fonturo do	`		r no)	•	Number)	ما ماممما ام	(Numbe	,	ara hau	a haan f	(Describe	,	ina itam	o of the		,	Vhere ar	,	ahar
Man	Manufacturer's ufacturer's nar	ne, and ide	ntifyi	ing numb	er):		Ü	,	·					ŭ		report (iis	st the name	е от рап,	tem nun	nber,
Ò	2) Header ∣ C.V. Carreto ⁄IPD-989 (F	era Villà	de	Garcia	a No. 3	3840 Sai	nta Cat	arina, Nu	evo Leon	C.P. (66350	. Serial Nu	ımbe	r	. De					
	Remarks ength of	tubes.	60	י חי) "															
Tv	o Rectar 84.0625"	gular '.	Неа	aders		ont an	d Back	K Header	s: 7.37	′5″ x	11.7	50" x 84	.062	5″ /	7.375	5" x 1	L1.750′	<u>, </u>		
O7	ervice: G EM: D2.0 verall Di	2 CAS mensio	E2 n:	- 11.75																
De	signed/E	Built i	n A	Accord	dance	with	Sectio	n VIII,	Div. 1	., Ap	pendi	x 13. Le	ngth	of T	ubes	720"	(60′)	<u>-</u>		

FORM U1 Page 3 of 3

Manufacturer's	Serial No. S1	6286-11A-A-2	CRN N/A	Natio	nal Board No.	32268
			CERTIFICATE OF SHO e correct and that all details of desig DDE, Section VIII, Division 1. U Cert	n, material, construction, an		o of this vessel conform to the Expires December 31, 2018
Date 05/	/08/2018	Name	Hudson Products Corpor (Manufacturer)	ation	Signed	LaBC
			CERTIFICATE OF SHO	P INSPECTION		(Mepreseritative)
•	•	•	ion issued by the National Board		ssel Inspectors	s and employed by
			d Insurance Company, of Hartfo in this Manufacturer's Data Report	nn .	, and state t	hat,
VESSEL CO concerning to	DE, Section V he pressure ve	III, Division 1. By sessel described in the	anufacturer has constructed this pre igning this certificate neither the Ins iis Manufacturer's Data Report. Fur nage or a loss of any kind arising fro	pector nor his/her employer thermore, neither the Inspec	makes any wa ctor nor his/her	rranty, expressed or implied,
Date	05/17/2018	Signed	(Authorized Inspector)	Commissions: (National Board	120 Authorized In	056, TX1622 spector Commission number)
We certify that of ASME BOIL	t the statemen LER AND PRE	ts made in this repo	CERTIFICATE OF FIELD ASS ort are correct and that the field assection VIII, Division 1. U Ce	embly construction of all part	ts of this vesse	I conforms with the requirements Expires
Date		Name			Signed	
Dat <u>e</u>		Name	(Assembler)		Signed	(Representative)
			CERTIFICATE OF FIELD ASS	EMBLY INSPECTION		
I, the undersi	gned, holding	a valid commission	on issued by The National Board o		sel Inspectors	and employed by
belief, the Mai Section VIII, D Inspector nor Furthermore,	nufacturer has Division 1. The his/her employ	not inclu constructed and as described vessel wer der makes any warra pector nor his/her e	urer's Data Report with the describe ded in the certificate of shop inspec sembled this pressure vessel in acc vas inspected and subjected to a pro- anty, expressed or implied, concern mployer shall be liable in any mann	tion, have been inspected be cordance with the ASME BO essure test of ing the pressure vessel desc	y me and to the ILER AND PR By si cribed in this M	e best of my knowledge and ESSURE VESSEL CODE, igning this certificate neither the lanufacturer's Data Report.
Date		Signed	(Authorized Inspector)	Commission (National Bo	oard Authorize	d Inspector Commission number)

Hudson Products Corporation, 9660 Grunwald Road, Beasley, Texas, 77417

Manufactured by

3051515 exe: v6.3.106

J.a.P.4 Apr-19-18

R.Ceul App-19-18

Page 1 of 3

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

	Manufacti Mexico	ured and	certified	by H	udson Produ	ucts De Mexico	o, S.A. De	C.V. C	arreter	a Villa	De Garcia N	0.384	0 Santa	Catarina I	Nuevo L	eon C.P.	66350
2. 1	Manufacti	ured for				Hudson Prod	ducts Corp	oration	9660 0	Grunwa	ess of Manufactuald Rd. Beasle urchaser)		77417 L	J.S.A			
								(Name a		Jnknow							
3. l	_ocation o	of install	ation					-		ne and ac							
,	Tuna		HEAD	ER BOX	(MP	D-989								
4.	Desc	ription of ve	ssel part (sh	ell, two-pi	ece head, tube	bundle))	(Ma	nufacture	er's seria	I numbe	r)			((CRN)		
					S1628	6-1 (FRONT	HEADER)	Rev.3			Huds	on Pro	ducts C	orporation		20	18
	8	Board num	7.7.5			(Drawing numb						(Drawin	g prepared	i by)		(Year	built)
5.	ASME Co	de, Sect	ion VIII, [Div. 1 _	(Edition and	2017 Addenda, if applic	cable (date))			(Code (Case number)			Special	service p	er UG-1200	d)]
tem	ns 6–11 in	cl. to be	complete	ed for si	ngie wall v	essels, jacke 1	ts of jacke	eted ve	ssels,	shell d			s, or ch	amber of	multic	hamber	vessels.
0.	Shell: (irse(s) _						_							8 525
N-	D:	Course(s	1		7,5	Material		Thicknes			Long. Joint (Cat Full, Spot,	Eff.		Joint (Cat. A Full, Spot,	_	Heat Tre	T
No.		x 11.7500	Len	-		Grade or Type	Nor	_	Corr.	Тур	None		Туре	None	E	Temp.	Time
2	-	" x 3.8125"	_		550.074	16 Gr 70 N 16 Gr 70 N	0.87		0.0625							1148°F	2.0 HR
	100,000,000			175.0													
							Body Flang	es on Sh	ells								
									T					Bolting			551
No.	Туре	ID	OD F	lange Thk	Min Hub Thk	Material	Hov	w Attache	d Lo	cation	Num & Size	Boltin	ng Materia		ID, thk)	Wash	er Material
								,	_		****	1		-			
									_			_		+		_	
7.	Heads: (a)				° F 2.			_ (b)		SA-51			48 ° F			(8)
	1		Thickn		The state of	Radius	T		Т	107-102-1	T	1	Side to P		I	Category	
	Location (Bottom, E		Min.	Corr.	Crown	Knuckle	Elliptical Ratio	Apex Ar	C 70 1	Hemis. Radius	Flat Diameter	c	onvex	Concave	Type	Full, Sp	ot, Fff.
(a)	END		0.875*	0.0625							3.81"X9.68	-				None	
(b)			0.875"	0.0625		—			-		3.81"X9.68	-					-
_							Body Els	nges on	Hoade								
_	T	T	T		T		Body Fla	inges on	neaus					Bolting		-	
	Location	Туре	ID	OD	Flange Thk	Min Hub Thk	Material		How At	tached	Num & Size	Bolt	ing Materi		Vasher , ID, thk)	Wast	ner Materia
(a)							****		21.	••							
(b)		l					****										
	Type of ja							J	acket	closur	3	(1	Describe a	s ogee and v	veld, bar,	etc.)	
	MAWP _		g <u>-</u>	222	describe o at max. ten	np13	0° F	(Externa		Min. c	design meta		o	-20°F	at	1527	' Psig
10.	Impact te		,,,,,,		lludi	or no and the com					a	t test	temper	ature of			
11	Hydro., p	DALL OF	comb to	ct nrace		or no and the com	ponent(s) im	1-2000-0	of test								
				. 20	ibe section	e		_ 1100	n test	-							
			SA-516 G			.3125" X 10.00	00"		1.625	5*		0	0625			WELDED)
12.	Tubeshee	71	onary (mater			eter (subject to p		(No	minal th	ickness)		(Co	r. allow.)	<u> </u>		ent (welded	
232		[Floa	ting (materia	al spec. no)]	(Diameter)		(Nomi	inal thicl	kness)			allow.)		(A	attachment)	
13.	Tubes	Material spe	c. no., grade	or type)		(O.D.)	-	(Nomin	nal thickr	ness)		-	nber)		ITyp	e (straight o	or U)I

FORM U-2

	actured by _																
	14-18 incl. to					of jacke		sels or ch				ers.					
31	ieli. (a) No.	or cou	136(3/				1			_		1		-1 15	. e e o T	Heat Treat	mant
_	Cou	rse(s)			Materi	al	_	Thicknes		_	Full, Spot,		Circum. J	Full, Spo		$\overline{}$	Time
).	Diameter		Length		Spec./Grade	or Type	^	lom.	Corr.	Type	None	Eff.	Туре	None		Temp.	
-						urya -				****							****
-							_			****							
-											1 1						
			7- X				Body Flan	nges on Sh	ells								
П										-		Т		Bolting	Vasher	1	
.	Type ID		D Flang	e Thk Min H	ub Thk	Material	н	low Attache	d Location	on	Num & Size	Bolting	Material), ID, thk)	Washer	Materi
-						****											
-						****					****			_			
-						****		****		+	****	-		-			
-		. .		- -		****								1			
Н	eads: (a)	- (1	Material spec	. number, gr	ade, or type	(H.T. — tim	e and tem	p.)	_ (b)		(Material sp	ec. num		, or type)	(H.T. — tim	e and temp.)	75
\neg	0.0420		Thickness		Radi	us	-	Carrie	-1 U		Elat.	\top	Side to Pr	essure		Category A	1
	Location (Top, Bottom, Ends)	Min		orr.	Crown	Knuckle	Elliptica Ratio		5 S T. C. C. S T. C. C. S T. C.	mis. idius	Flat Diameter	Co	nvex	Concave	Туре	Full, Spot None	Eff.
_	BOROTT, Erras	IVIIII	_				-					+			+	140110	†
0			_														1
0)																	_
		1100111000					Body	Flanges on	Heads								
										-		T		Bolting	Washer		
	Location	Гуре	ID	OD Flang	e Thk Min I	lub Thk	Mater	ial	How Attach	ned	Num & Size	Bolti	ng Materia	1 (0	D, ID, thk)	Washe	r Mater
a)																_	
ы										_	****				*****		
. N	1AWP	rnal)	(External)	at max	k. temp.	(Interna	al)	(External)			gn metal te			turo of	at		
	ydro., pneu.	, or con	nb. test pr		yes or no a				01		°						
٠ ٨	lozzles, inspe	ection, a	and safety	valve op	enings:												
	Purpose	T	Diameter			Mat	erial		Nozzle 1	hickne	ss Reinfo	rcemen		ttachmen	t Details	Loca	tion
	let, Outlet, Drain, etc.)	No.	or Size	Type	N	ozzle	F	lange	Nom.	Co	rr. Ma	terial	No	ozzle	Flange	(Insp. (Open.)
N	DZZLE VENT	1	NPS-1	CPLNG	S* SA	N-105			0.475"	0.06	525		_	16.1(a)		-	-
1	NOZZLE IN	2	NPS-8		S	A-234	S	A-105	0.906*	0.06	525			16.1(a)	2-4 (6)		
											-		_			-	
							_	••••		-			_				
	****							••••		1	-					+	
																_	
						7777		****									
. Ic	dentification	of part	(s)				1530										44.0
	Name	of Part		Quantity	Line No.	Mfr's. Id	lentificat	ion No.	Mfr's.	Draw	ing No.		CRN	Nati	onal Boa	rd No. Y	ear Bu
			- Seci-	****	****												
-																	
							. 55005										

Design Calculations by other Impact Test Exempt Per UG-20 (f), Non-Lethal Service. Hydrostatic test not performed. Manufactured According Seccion VIII Div 1...* COUPLING CL6000. ***RFWN CL900.

32268 J.A.P.in Apr. 19-19

R. Ceul APR-19-18

Page 3 of 3

FORM U-2

Manufacturer's Serial No We certify that the statement vessel part conform to the ASI	(s in this report are	CERTIFICATE OF	SHOP/FIELD COMP	National Board No.
	s in this report are			PLIANCE
		correct and tha		
	WIE BUILER AND PR			aterial, construction, and workmanship of this pressure /III, Division 1.
U or PRT Certificate of Authoriza	ation number	37163	Expires _	December 19, 2019
Date April-19-2018 Name _		ts De Mexico, S.A (Manufacturer)	a. De C.V.	Signed (Representative)
I, the undersigned, holding a The Hartford Stea	valid commission	issued by the Na	SHOP/FIELD INSPI ational Board of E empany	ECTION Boiler and Pressure Vessel Inspectors and employed by —— of ————————————————————————————————
have inspected the pressure ver and state that, to the best of ASME BOILER AND PRESSUR makes any warranty, expresse neither the Inspector nor his/he from or connected with this ins	ssel part described in my knowledge and E VESSEL CODE, So d or implied, conce or employer shall be pection.	n this Manufactur I belief, the Man ection VIII, Divisi rring the pressu	rer's Data Report of nufacturer has co on 1. By signing t ure vessel part des	nstructed this pressure vessel part in accordance with his certificate neither the Inspector nor his/her employe scribed in this Manufacturer's Data Report. Furthermore nal injury or property damage or a loss of any kind arising
Date APA-19-19 Signed	Autt	drized Inspector)	Comm	(National Board Authorized Inspector Commission number)

NB# 32268

J.A.P. 11 Apr. 19-18

R. Leuf Apr. 19-18

Page 1 of 3

FORM U-2 MANUFACTURER'S PARTIAL DATA REPORT

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

	Manufacto Mexico	ired and	certified	d by H	udson Produ	ucts De Mexico	o, S.A. De	C.V. C	arrete	ra Villa	De Garcia N	0.3840	0 Santa	Catarina I	Nuevo L	eon C.P.	66350
2. 1	Manufacti	ired for		I STAILA ES CO		Hudson Prod	ducts Corp	poration	9660	Grunwa	ess of Manufactu ald Rd. Beasle 'urchaser)		77417 U	.S.A			
2 1	continu o	f install	tion					(1101110		Unknov							
3. I	Location C	ii iiistaile	ation —	-71117		-7/-2/-			(Nan	ne and a	ddress)		- 7				
4.	Type		HEA	DER BOX	(MP	0-993				72				
	Descr	iption of ve	ssel part (s	hell, two-pi	ece head, tube	bundle)]	(M	anufacture	r's seria	al numbe	er)	77.	William Control	(CRN)		
					S1628	86-1 (BACK F		Rev.3						rporation		201	
	(National)	Board numb	oer)			(Drawing numb	er)				(Drawin	g prepared	by)		(Year t	puilt)
5.	ASME Co	de, Secti	ion VIII,	Div. 1 _	(Edition and	2017 Addenda, if applic	cable (date)]			(Code (Case number)			[Special	service p	er UG-120(1)]
						essels, jacke 1							s, or cha 34.0625"	imber of	multic	hamber	vessels.
-		STORE WALL		1.00(0)	ALLEY CO.			0016amil@edu		9							10000000
N' -	T ~	Course(s)	T			Material		Thicknes	Service Co	-	Long. Joint (Cat.			Full, Spot,		Heat Tre	
No.	_	neter	-	ngth		Grade or Type	_	om.	Corr.	Тур	None	Eff.	Type	None	Eff.	Temp.	Time
2		x 11.7500		625"		16 Gr 70 N	1.6		0.0625		-1 -1					1148°F	2.0 HR
2		x 3.8125*		625*	SA-5	16 Gr 70 N	0.8		0.0625		-					1148°F	2.0 HR
_	1						Body Flans	ges on Sh	ells					D-Isia-			
	_													Bolting	sher	1	
No.	Туре	ID			Min Hub Thk	Material	Ho	w Attache		cation	Num & Size	Boltin	ng Material		ID, thk)		r Material
									+			-					
							_		+			15				_	
									+					-		_	
7.	Heads: (a)				° F 2.1		1	_ (b)		SA-516	-		48 ° F			
	T		Thickr			Radius	T	1	$\overline{}$		7	T	Side to Pr			Category	
	Location (Bottom, E		Min.	Corr.	Crown	Knuckle	Elliptical Ratio	Apex An	C. Carriera	Hemis. Radius		C	onvex	Concave	Type	Full, Spo	ot, Eff.
(-)	END	_	0.875*				 	1	+				-	A-10. A-10.		None	_
(a)	END		0.875*	0.0625					+		3.81"X9.68	+					
	LIND		7.075	0.0023							3.81*X9.68					1	
					, ,		Body Fl	anges on	Heads								
	Location	Туре	ID	OD	Flange Thk	Min Hub Thk	Material	1	How At	ttached	Num & Size	Bolti	ing Materia		/asher , ID, thk)	Wash	er Materia
(a)	_					****			**	••		1		-			
(b) 8.	Type of ja	cket	<u> </u>	<u> </u>				J:	acket	closur	e	- (0	Describe as	ogee and w	veld, bar,	etc.)	
9.	MAWP _	(Internal)]		describe or at max. ten	np13	0° F	(Externa	1)	Min.	design metal	temp)	-20°F	at	1527	Psig
10.	Impact te	ət			(Indicate yes	or <i>no</i> and the com	ponent(s) im	npact tested	d)	-	а	test	tempera	ature of	7		
11.	Hydro., p	neu., or	comb. te	est press	ure			Proo	f test								
ten	s 12 and	13 to be	complet	ted for to	ibe section	s.											
12.	Tubeshee		SA-516 C			.3125" X 10.00			1.62				0625			WELDED	
		#Westerna		rial spec. no		eter (subject to p	ress.)]	20000		hickness)						ent (welded	
13	Tubes	[Float	ing (materi	ial spec. no.	"	(Diameter)			nal thic	kness)		(Corr.			(A	itachment)	
٠.		laterial spec	c. no., grad	e or type)		(O.D.)		(Nomin	al thick	ness)			nber)		[Type	e (straight o	r U)]

J.A.P.n Apr-19-18
R. Leul APR-19-18
Page 2 of 3

FORM U-2

anu	facturer's	Serial	No	N	MPD-99	3	CR	N				National E	Board	No				
												at exchang	ers.					
. 5	hell: (a) f	No. of	course(s	5)				/O·(d)	erall le	ngtn								
		Course(s)				Mate	rial		Thicknes	is	Lo	ong. Joint (Cat	. A)	Circum. J			Heat Treat	tment
٥.	Diame	eter	Le	ngth		Spec./Grad	e or Type	No	m.	Corr.	Туре	Full, Spot, None	Eff.	Туре	Full, Spo None	t, Eff.	Temp.	Tim
	••••								-									
**									_									
	****	•	1 .													1 1		
_								Body Flang	es on She	ells					D-W			
													T		Bolting V	Vasher	T	
١.	Туре	1D	OD	Flange This	1		Material	Ho	w Attache			Num & Size	Boltin	g Material	(00), ID, thk)	Washer	
-						_					-		-					
					-	_		_					+-		-			_
					-						_							
							5-445											
Н	eads: (a) _	-	(Materia	al spec, nun	nber, gra	de, or type) (H.T. — tim	e and temp.	· -	_ (b) _		(Material sp	ec. num	ber, grade,	or type) (H.T. — time	and temp.)	
		Т	Thick	ness	T	Rad	ius	Τ			annun s	T	Т	Side to Pr	essure	1	Category A	
	Bottom, End	0.00	Min.	Corr.	-	rown	Knuckle	Elliptical Ratio	Apex An	201 F	lemis. adius	Flat Diameter	C	onvex	Concave	Туре	Full, Spot	_
a)		_			+				T		·					+		+
b)		+			+					_	:	 	-					
_			_	_	1	1		Body Fla	inges on	Heads					Bolting			
		•			-			**	1.	Ua Awaa	T	Nium & Cina	Bolti	ng Materia	1	Washer	1	
(a)	Location	Туре	ID	OD	Flange	Thk Min		Material		How Attac	nea	Num & Size	BOIL	ng Materia	(0)	D, ID, thk)	Washer	Mate
(b)				+	+ :				-		\dashv		-		-		+	
			٠.		-									142				
. IV	AWP	nternal)	(Ext	ernal)	at max	temp.	(Interna	1) (1	External)	_ IVIII	. aesig	in metal te	mp		in the last	at		
Im	pact test											at	test t	emperat	ure of			
								onent(s) imp		11					••			
	ydro., pne								Proof	test								
	ozzles, ins	pection	i, and sa	arety van	ve ope	nings.												
(In	Purpose et, Outlet,		. 1726	meter			Mate	т —		-	Thicknes	Reinio	rcement		tachment		Locat	
_	rain, etc.)	N	-	Size	Туре	_	lozzle	Flan	ige	Nom.	Con		terial		zzle	Flange	(Insp. O	(pen.
7	ZZLE VENT	-	_		CPLNG*	-	A-105				0.06			7 77 77 77 77	6.1(a)	0.4.00		
NC	ZZLE OUT	2		PS-8			A-234	SA-		0.906"	0.062				6.1(a)	2-4 (6)		
_				-		-					+							
		-				1					+	1111		_				_
-						1					+	_		-				
_		-	-			1					 			-				-
								L										
	entificatio	n of pa	irt(s)															
ld		e of Par	rt	Qua	antity	Line No.	Mfr's. Ide	entification	No.	Mfr's.	Drawin	ng No.	(CRN	Natio	nal Board	No. Ye	ar Bu
ld	Nam					****		****			••••							****
ld						****		****	1		****				1	****		••••
ld																		
ld													-					
						Leg	15	Othe	ers	Suppo		Δ++-	ched		lw	elded Co	ver	

(07/17)

J.A.P.4 Apr-19-18

32268

R. Lul APR-19-18
Page 3 of 3

Manufacturer's Serial No.	MPD-993	CRN		National Board No	***
	-	CERTIFICATE OF S	HOP/FIELD COMPLI	ANCE	
We certify that the statement vessel part conform to the AS					rkmanship of this pressure
U or PRT Certificate of Authoriz	ation number	37163	Expires	December 19, 2019	
Date April-18-2018 Name	Hudson Produc	cts De Mexico, S.A. (Manufacturer)	De C.V. Sig	ined (Res	presentative)
		CERTIFICATE OF S	HOP/FIELD INSPEC	TION	
I, the undersigned, holding a The Hartford Ste	valid commission am Boiler Inspection				spectors and employed by tford C T.
have inspected the pressure ve	ssel part described	in this Manufacture	er's Data Report on .	April 19, 2012	ρ
and state that, to the best of ASME BOILER AND PRESSUF makes any warranty, express	my knowledge an RE VESSEL CODE, S ed or implied, conc	d belief, the Manu Section VIII, Division erning the pressur	ufacturer has cons on 1. By signing this re vessel part descr	tructed this pressure vess s certificate neither the Insp ribed in this Manufacturer's	el part in accordance with ector nor his/her employer Data Report. Furthermore,
neither the Inspector nor his/h from or connected with this ins		e liable/in any man	ner for any persona	Il injury or property damage	or a loss of any kind arising
		Time .	Commis	1519	90
Date APD-19-18 Signe	d	horized Inspectori			d Inspector Commission number)