

Mfr Representative: PS Date: 12/18/2020
Authorized Inspector: 54 Date: 12/18/2020

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS Page 1 of 3
As Required by the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1 14

1. Manufactured and certified by Steel-Pro Incorporated
771 Main Street Rockland, ME 04841
(Name and address of Manufacturer)
2. Manufactured for Drew Marine, 100 S. Jefferson Rd Suit 204 Whippany, NJ 07981
(Name and address of Purchaser)
3. Location of installation Unknown
(Name and address)
4. Type Vertical Jacketed Vessel, V-102 Mix Tank 23039
(Horizontal, vertical, or sphere) (Tank, separator, jkt. vessel, heat exch., etc.) (Manufacturer's serial number)
- T-1902 Rev. C 2580 2020
(CRN) (Drawing number) (National Board number) (Year built)
5. ASME Code, Section VIII, Div. 1 2019 --- ---
(Edition and Addenda, if applicable (date)) (Code Case number) (Special service per UG-120(d))

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multichamber vessels.

6. Shell: (a) Number of course(s) 2 (b) Overall length Upper Jacket Zone: 20.00" / Lower Jacket Zone: 36.00"

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	66.500" ID	20.00" (Upper)	SA-240 Type 304/304L	0.075"	---	2	None	55%	2	None	55%	---	---
2	66.500" ID	36.00" (Lower)	SA-240 Type 304/304L	0.075"	---	2	None	55%	2	None	55%	---	---
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Body Flanges on Shells												
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
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7. Heads: (a) --- (b) ---
(Material spec. number, grade or type) (H.T. — time and temp.) (Material spec. number, grade or type) (H.T. — time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemis. Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	---	---	---	---	---	---	---	---	---	---	---	---	---	---
(b)	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Body Flanges on Heads												
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	---	---	---	---	---	---	---	---	---	---	---	---
(b)	---	---	---	---	---	---	---	---	---	---	---	---

8. Type of jacket Dimple Jacket Per UW-19 (c) Jacket closure Formed Edge with Fillet Welds
(Describe as ogee and weld, bar, etc.)

If bar, give dimensions. If bolted, describe or sketch. ---

9. MAWP 150 PSIG --- at max. temp. 350°F 350°F Min. design metal temp. -20°F at 150 PSIG
(Internal) (External) (Internal) (External)
10. Impact test No, Exempt From Impact Testing Per UHA-51 at test temperature of ---
(Indicate yes or no and the component(s) impact tested)
11. Hydro., pneu., or comb. test pressure Hydrostatic Test at 198 PSIG Proof test ---

Items 12 and 13 to be completed for tube sections.

12. Tubesheet --- --- --- --- ---
(Stationary (material spec. no.)) (Diameter (subject to press.)) (Nominal thickness) (Corr. allow.) (Attachment (welded or bolted))
- --- --- --- ---
(Floating (material spec. no.)) (Diameter) (Nominal thickness) (Corr. allow.) (Attachment)
13. Tubes --- --- --- --- ---
(Material spec. no., grade or type) (O.D.) (Nominal thickness) (Number) (Type (straight or U))

Mfr Representative: Date: 12/18/2020
Authorized Inspector: Date: 12/18/2020

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Manufactured by Steel-Pro Incorporated
Manufacturer's Serial No. 23039 CRN --- National Board No. 2580

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) 1 (b) Overall length 84.000"

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	66.000" ID	84.000"	SA-240 Type 316/316L	0.250"	---	1	None	70%	1	None	70%	---	---
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Body Flanges on Shells												
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
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15. Heads: (a) SA-240 Type 316/316L (Material spec. number, grade, or type) (H.T. — time and temp.) (b) SA-240 Type 316/316L (Material spec. number, grade, or type) (H.T. — time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemis. Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	Top	0.1875"	---	---	---	2:1	---	---	---	---	X	1	Full	85%
(b)	Bottom	0.1875"	---	---	---	2:1	---	---	---	---	X	1	Full	85%

Body Flanges on Heads												
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	---	---	---	---	---	---	---	---	---	---	---	---
(b)	---	---	---	---	---	---	---	---	---	---	---	---

16. MAWP 25 PSIG 14.7 PSIG at max. temp. 350°F 350°F Min. design metal temp. -20°F at 25 PSIG
(Internal) (External) (Internal) (External)

17. Impact test No, Exempt From Impact Testing Per UHA-51 at test temperature of ---
[Indicate yes or no and the component(s) impact tested]

18. Hydro., pneu., or comb. test pressure Hydrostatic Test at 33 PSIG Proof test ---

19. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
A	1	6.0" NPS	RFSO	SA-312 316/316L	SA-182 F316/316L	SCH40S	---	SA-304/304L	UW-16.1(d)	UW-21 (1)	---
B	1	3.0" NPS	RFSO	SA-312 316/316L	SA-182 F316/316L	SCH40S	---	---	UW-16.1(i)	UW-21 (1)	---
C, E, F, G, I	5	2.0" NPS	RFSO	SA-312 316/316L	SA-182 F316/316L	SCH10S	---	---	UW-16.1(i)	UW-21 (1)	---
L	1	2.0" NPS	RFSO	SA-312 316/316L	SA-182 F316/316L	SCH10S	---	---	UW-16.1(i)	UW-21 (1)	---
D, H	2	1.50" NPS	RFSO	SA-312 316/316L	SA-182 F316/316L	SCH10S	---	---	UW-16.1(i)	UW-21 (1)	---
K	1	1.50" NPS	RFSO	SA-312 316/316L	SA-182 F316/316L	SCH10S	---	---	UW-16.1(i)	UW-21 (1)	---
J1, J2, J3, J4	4	1.0" NPS	RFSO	SA-312 316/316L	SA-182 F316/316L	SCH10S	---	---	UW16.1(w-1)	UW-21 (1)	---

20. Supports: Skirt No Lugs --- Legs 4 Others --- Attached Welded to Shell Repad
(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):

Vessel Dimple Jacket and Tank Assembly: FASTCO Fabrication Inc. S/N: 945-14573-1, U Certificate Number: 24, 078, Expires: February 26, 2020
Multibolted Closure Device: Zimmerlin GmbH Edelstahl-Technik, S/N: D0720 150708, U Certificate Number: 28,065, Expires: November 21, 2021
66" ID Two Piece Welded Head: Samuel Pressure Vessel Group, S/N: H6549-1-1-1 & -2, U Certificate Number: 12346, Expires: August 28, 2022

22. Remarks

All loadings considered per UG-22 and U-2(a). Vessel designed for non-corrosive service. SRD by others.

Mfr Representative: SA Date: 12/18/2020
Authorized Inspector: SA Date: 12/18/2020

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Manufactured by Steel-Pro Incorporated
Manufacturer's Serial No. 23039 CRN --- National Board No. 2580

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.

U Certificate of Authorization Number 17,648 Expires April 23, 2021

Date 12/18/2020 Name Steel-Pro Incorporated Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, CT.

have inspected the pressure vessel described in this Manufacturer's Data Report on November 4, 2020, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 12/18/2020 Signed [Signature] Commissions N.B. 14054
(Authorized Inspector) (National Board Authorized Inspector Commission number)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements in this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. U Certificate of Authorization Number Expires .

Date Name Signed
(Assembler) (Representative)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by

of , have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items , not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. The described vessel was inspected and subjected to a pressure test of . By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Signed Commissions
(Authorized Inspector) (National Board Authorized Inspector Commission number)

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

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1. Manufactured and certified by FASTCO Fabrication, Inc.
FASTCO Fabrication, Inc. - 675 West Broadway Lincoln, ME 04457
(Name and address of Manufacturer)

2. Manufactured for Steel-Pro Inc. - 771 Main Street P.O. Box 449 Rockland, ME 04841
(Name and address of Purchaser)

3. Location of installation Unknown
(Name and address)

4. Type Vertical Vessel Assembly - V-102 Mix Tank 945-14573-1 -----
(Description of vessel part (shell, two-piece head, tube bundle)) (Manufacturer's serial number) (CRN)

----- T-1902 Rev. C Steel-Pro Inc. 2020
(National Board number) (Drawing number) (Drawing prepared by) (Year built)

5. ASME Code, Section VIII, Div. 1 2019 ----- -----
(Edition and Addenda, if applicable (date)) (Code Case number) (Special service per UG-120(d))

Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multichamber vessels.

6. Shell: (a) Number of course(s) 2 (b) Overall length Upper Jacket Zone: 20" / Lower Jacket Zone: 36"

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	66.500" ID	20" (Upper)	SA-240 Type 304/304L	0.075"	-----	2	None	---	2	None	---	-----	-----
2	66.500" ID	36" (Lower)	SA-240 Type 304/304L	0.075"	-----	2	None	---	2	None	---	-----	-----
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Body Flanges on Shells												
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
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7. Heads: (a) ----- (b) -----
(Material spec. number, grade or type) (H.T. — time and temp.) (Material spec. number, grade or type) (H.T. — time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemis. Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---
(b)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	---

Body Flanges on Heads												
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Bolting			
									Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
(b)	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

8. Type of jacket Dimple jacket per UW-19 (c) Jacket closure Ogee and weld
(Describe as ogee and weld, bar, etc.)

If bar, give dimensions. If bolted, describe or sketch. -----

9. MAWP ----- ----- at max. temp. ----- ----- Min. design metal temp. ----- at -----
(Internal) (External) (Internal) (External)

10. Impact test Exempt - UHA 51 at test temperature of -----
(Indicate yes or no and the component(s) impact tested)

11. Hydro., pneu., or comb. test pressure None Proof test -----

Items 12 and 13 to be completed for tube sections.

12. Tubesheet ----- ----- ----- ----- -----
(Stationary (material spec. no.)) (Diameter (subject to press.)) (Nominal thickness) (Corr. allow.) (Attachment (welded or bolted))

----- ----- ----- ----- -----
(Floating (material spec. no.)) (Diameter) (Nominal thickness) (Corr. allow.) (Attachment)

13. Tubes ----- ----- ----- ----- -----
(Material spec. no., grade or type) (O.D.) (Nominal thickness) (Number) (Type (straight or U))

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Manufactured by FASTCO Fabrication, Inc.
 Manufacturer's Serial No. 945-14573-1 CRN ----- National Board No. -----

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) 1 (b) Overall length 84.000"

Course(s)			Material	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	66.000" ID	84.000"	SA-240 Type 316/316L	0.250"	-----	1	None	---	1	None	---	-----	-----
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Body Flanges on Shells										Bolting			
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location		Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
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15. Heads: (a) SA-240 Type 316/316L (Material spec. number, grade, or type) (H.T. — time and temp.) (b) SA-240 Type 316/316L (Material spec. number, grade, or type) (H.T. — time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemis. Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	Top	0.1875"	-----	-----	-----	2:1	-----	-----	-----	-----	XXX	1	Full	---
(b)	Bottom	0.1875"	-----	-----	-----	2:1	-----	-----	-----	-----	XXX	1	Full	---

Body Flanges on Heads										Bolting			
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached		Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	-----	-----	-----	-----	-----	-----	-----	-----		-----	-----	-----	-----
(b)	-----	-----	-----	-----	-----	-----	-----	-----		-----	-----	-----	-----

16. MAWP ----- (Internal) ----- (External) at max. temp. ----- (Internal) ----- (External) Min. design metal temp. ----- at -----

17. Impact test Exempt - UHA 51 at test temperature of -----
 [Indicate yes or no and the component(s) impact tested]

18. Hydro., pneu., or comb. test pressure None Proof test -----

19. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
A	1	6" NPS	RFSO	SA-312 - 316/L	SA-182 - F316/L	Sch.40s	-----	3/16"SA240 304/L	UW16.1(d)	UW-21(1)	Top head
B	1	3" NPS	RFSO	SA-312 - 316/L	SA-182 - F316/L	Sch.40s	-----	-----	UW16.1(i)	UW-21(1)	Top head
C,E,F,G,I	5	2" NPS	RFSO	SA-312 - 316/L	SA-182 - F316/L	Sch.10s	-----	-----	UW16.1(i)	UW-21(1)	Top head
L	1	2" NPS	RFSO	SA-312 - 316/L	SA-182 - F316/L	Sch.10s	-----	-----	UW16.1(j)	UW-21(1)	Bottom head
D,H	2	1-1/2" NPS	RFSO	SA-312 - 316/L	SA-182 - F316/L	Sch.10s	-----	-----	UW16.1(i)	UW-21(1)	Top head
K	1	1-1/2" NPS	RFSO	SA-312 - 316/L	SA-182 - F316/L	Sch.10s	-----	-----	UW16.1(i)	UW-21(1)	Shell
J1,J2,J3,J4	4	1" NPS	RFSO	SA-312 - 316/L	SA-182 - F316/L	Sch.10s	-----	-----	Fillet weld	UW-21(1)	Dimple jacket

20. Identification of part(s)

Name of Part	Quantity	Line No.	Mfr's. Identification No.	Mfr's. Drawing No.	CRN	National Board No.	Year Built
Multibolted Closure Device	1	19	D0720 150708	202 450 277 rev.0	-----	-----	2020
66.0" ID Two Piece Welded Head	2	15	H6549-1-1-1 & -2	80.12964	-----	-----	2020
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21. Supports: Skirt No (Yes or no) Lugs ----- (Number) Legs 4 (Number) Others ----- (Describe) Attached ----- (Where and how) Shell - Welded

22. Remarks

Cont. from line 19: Purpose: M, No.: 1, Dia. or Size: 18", Type: Manway, Nozzle: SA-240 316L, Flange: SA-479 316L, Nozzle Thk. Nom.: 0.240", Corr.: 0, Reinf. Matl.: 0.3125" thk. SA-240 Type 304/L, Att. Details Nozzle: UW-16.1(s), Flange: Fig.2-4(4a), Location: Top head / Pressure testing by others / No design function by FASTCO Fabrication, Inc.

(07/17)

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Manufactured by FASTCO Fabrication, Inc.
Manufacturer's Serial No. 945-14573-1 CRN ----- National Board No. -----

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.

U or PRT Certificate of Authorization number 24,078 Expires February 26, 2022

Date 11/19/2020 Name FASTCO Fabrication, Inc. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford, Connecticut

have inspected the pressure vessel part described in this Manufacturer's Data Report on 11/19/20, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel part described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 11/19/2020 Signed [Signature] Commissions NB14054
(Authorized Inspector) (National Board Authorized Inspector Commission number)

(07/17)

MULTIPLE
REVISED

DUPLICATE 2580

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)

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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

3/4

1. Manufactured and certified by Zimmerlin GmbH Edelstahl-Technik, Frohmattenstrasse 19, D-79268 Boetzingen, Germany
(Name and address of Manufacturer)

2. Manufactured for Archon Industries Inc., 357 Spool Rock Road, Bldg. I Unit 505, Suffern, New York, USA
(Name and address of Purchaser)

3. Location of installation _____
(Name and address)

4. Type Multibolted Closure Device D0720 150708-150709 ---
[Description of vessel part (shell, two-piece head, tube bundle)] (Manufacturer's serial number) (CRN)
--- 202 450 277 rev.1 Zimmerlin GmbH 2020
(National Board number) (Drawing number) (Drawing prepared by) (Year built)

5. ASME Code, Section VIII, Div. 1 Ed2019 2911 ---
(Edition and Addenda, if applicable (date)) (Code Case number) (Special service per UG-120(d))

6. Shell: (a) Number of course(s) 1 (b) Overall length 5.35"

Course(s)			Material		Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No.	Diameter	Length	Spec./Grade or Type		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	ID17.72"	5.35"	SA-240 316L		0.24"	0	1	none	0.7	7	none	N/A	---	---
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Body Flanges on Shells										Bolting			
No.	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached	Location		Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
1	loose	17.72"	19.06"	1.06"	---	SA-479 316L	Fig. 2-4 (4a)	shell		6xM16x5.3"	SA-193 B8M2	---	---
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7. Heads: (a) SA-240 316L, no H.T. (b) ---
(Material spec. number, grade or type) (H.T. --- time and temp.) (Material spec. number, grade or type) (H.T. --- time and temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemis. Radius	Flat Diameter	Side to Pressure		Category A		
		Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)	hinged top	0.22"	---	---	---	---	---	19.69"	---	X	X	---	---	---
(b)	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Body Flanges on Heads										Bolting			
	Location	Type	ID	OD	Flange Thk	Min Hub Thk	Material	How Attached		Num & Size	Bolting Material	Washer (OD, ID, thk)	Washer Material
(a)	head	integral	17.72"	19.06"	1.46"	---	SA-479 316L	Fig. 1-6(d)		see above	---	---	---
(b)	---	---	---	---	---	---	---	---		---	---	---	---

8. MAWP 25psi FV at max. temp. 350°F 350°F Min. design metal temp. -20°F at 25psi/FV
(Internal) (External) (Internal) (External)

9. Impact test none, exempt per UHA-51 (d) (1) at test temperature of ---
(Indicate yes or no and the component(s) impact tested)

10. Hydro., pneu., or comb. test pressure --- Proof test N.A.

11. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Type	Material		Nozzle Thickness		Reinforcement Material	Attachment Details		Location (Insp. Open.)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
sight glass	1	2.96"	w.e.	---	*	---	---	---	---	UW16.1(k)	---
---	---	---	---	---	---	---	---	---	---	---	---

12. Identification of part(s)

Name of Part	Quantity	Line No.	Mfr's. Identification No.	Mfr's. Drawing No.	CRN	National Board No.	Year Built
---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---

13. Supports: Skirt no Lugs --- Legs --- Other --- Attached ---
(Yes or no) (Number) (Number) (Describe) (Where and how)

14. Remarks

Nameplate engraved to dished head, Lower part identified with the last six digits of the MSN; Design with exemption of reinforcement calculation between cover and PV, performed by Zimmerlin GmbH; Bolt design acc. Zimmerlin design; no pressure test performed by Zimmerlin GmbH; using U-2(g)/App. 46 for the calculation of the cover flange; *SA-182 F316 (07/17)

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FORM U-2A

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Manufactured by Zimmerlin GmbH Edelstahl-Technik, Frohmattenstrasse 19, D-79268 Boetzingen, Germany
Manufacturer's Serial No. D0720 150708-150709 CRN --- National Board No. ---

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.

U or PRT Certificate of Authorization no. 28,065 Expires November 21, 2021

Date 05. Nov. 2020 Name Zimmerlin GmbH Signed i. V. Duf
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company of Connecticut

have inspected the pressure vessel part described in this Manufacturer's Data Report on 20. Aug. 2020 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel part described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 05. Nov. 2020 Signed Walter Heller Commissions 15910
(Authorized Inspector) (National Board Authorized Inspector Commission number)

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM) Page 1
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

1. Manufactured and certified by Samuel Pressure Vessel Group, 1119 Bridge Street, Tomahawk, Wisconsin 54487 USA

2. Manufactured for _____
(Name and address of Manufacturer)
Steel Pro Inc 771 Main St Rockland, ME 04841
(Name and address of Purchaser)

3. Location of installation _____ Unknown
(Name and address)

4. Type	66" ID Two Piece Welded Head	H6549-1-1-1 & -2	
	(Description of vessel part (shell, two-piece head, tube bundle))	(Manufacturer's serial number)	(CRN)
	80.12964	Samuel Pressure Vessel Group	2020
	(National Board number)	(Drawing number)	(Drawing prepared by) (Year built)

5. ASME Code, Section VIII, Div. 1 2019
 [Edition and Addenda, if applicable (date)] [Code Case number] [Special service per UG-120(d)]

[illegible][illegible][illegible][illegible]

8. MAWP _____ at max. temp. _____, Min. design metal temp. _____ at _____

9. Impact test _____ at test temperature of _____
[Indicate yes or no and the component(s) impact tested]

10. Hydro., pneu., or comb. test pressure _____ By Others _____ Proof test _____

11. Nozzles, inspection, and safety valve openings:

[illegible]

12. Identification of part(s)

Name of Part	Quantity	Line No.	Mfr's. Identification No.	Mfr's. Drawing No.	CRN	National Board No.	Year Built
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

13. Supports: Skirt No Lugs - Legs - Other - Attached -
(Yes or no) (Number) (Number) (Describe) (Where and how)

14. Remarks

Material is Dual Certified SA-240, Type 316/316L
No Design Functions Were Performed By Samuel Pressure Vessel Group

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FORM U-2A

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Manufactured by Samuel Pressure Vessel Group, 1118 Bridge Street, Tomahawk, Wisconsin 54487 USA
Manufacturer's Serial No. H6549-1-1-1 & -2 CRN - National Board No. -

CERTIFICATE OF SHOP/FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1.

U or PRT Certificate of Authorization no. 12346 Expires August 28, 2022
Date 8/13/2020 Name Samuel Pressure Vessel Group Signed Andrew Hennessey
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by OneCIS Insurance Company of Lynn, MA

have inspected the pressure vessel part described in this Manufacturer's Data Report on 8/13/2020 and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel part described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 8/13/2020 Signed [Signature] Commissions NB16755
(Authorized Inspector) (National Board Authorized Inspector Commission number)