

1. Manufactured and certified by FRICK COMPANY 100 CV AVE. WAYNESBORO, PA 17268
 (Name and address of Manufacturer)
 manufactured for _____
 (Name and address of Purchaser)

3. Location of installation NOT KNOWN
 (Name and address)

4. Type: Horizontal Heat Exchanger 132093 546D0755 132093 1996
 (Horiz., vert., or sphere) (Tank, separator, jkt. vessel, heat exh., etc.) (Mfg's serial No.) (CRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)

5. ASME Code, Section VIII, Div. 1 1995/NONE 1518-3
 Edition and Addenda (date) Code Case No. 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 multi-chamber vessels.

6. Shell (a) No. of course(s): 1 (b) Overall length (ft & in.): 4'-10 1/4"

Course(s) No.	Diameter, in.		Length (ft. & in.)		Material Spec./Grade or Type		Thickness Nom. Corr.		Long Joint (Cat. A) Type Full Spot None			Circum. Joint (Cat. A, B & C) Type Full Spot None			Heat Treatment Eff. Temp. Time	
	1	24 O.D.	4'-10 1/4"	SA-53-B ERW	3/8"	1	None	85%								

7. Heads: (a) N/A (b) _____
 (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp

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

If removable, bolts used (describe other fastening) _____
 (Mat'l Spec. No., Grade, size, No.)

Type of jacket N/A Jacket closure _____
 (Describe as ogee & weld, bar, etc.)

If bar, give dimensions _____ if bolted, describe or sketch _____
 9. MAWP 300 psi at max. temp. 200 °F Min. design metal temp. 0 °F at 300 psi
 (internal) (external) (internal) (external)

10. Impact test NO UG-20(f)
 (Indicate yes or no and the component(s) impact tested)

11. Hydro., pneu., or comb. test press. 375 PNEU. Proof test N/A
 items 12 and 13 to be completed for tube sections.

12. Tubesheet: SA-516Gr.70 24 1.0 MIN 0 Welded
 Stationary (Mat'l Spec. No.) Dia., in. (subject to press.) Nom. thk., in. Corr. Allow., in. Attachment (welded or bolted)
N/A Floating (Mat'l Spec. No.) Dia., in. Nom. thk., in. Corr. Allow., in. Attachment

13. Tubes: SA249Tp.304 5/8" .049 MIN. 222 Straight
 Mat'l Spec. No., Grade or Type O.D., in. Nom. thk., in. or gauge Number Type (Straight or U)

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 (ft & in.): 0'-2"

Course(s) No.	Diameter, in.		Length (ft. & in.)		Material Spec./Grade or Type		Thickness Nom. Corr.		Long Joint (Cat. A) Type Full Spot None			Circum. Joint (Cat. A, B & C) Type Full Spot None			Heat Treatment Eff. Temp. Time	
	1	24" O.D.	0'-2"	SA-53-B ERW	3/8"	1	None	85%								

15. Heads: (a) SA-516Gr.70 (b) _____
 (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp

Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical	Conical	Hemispherical	Flat	Side to Pressure		Category A	
	Min.	Corr.	Crown	Knuckle	Ratio	Apex Angle	Radius	Diameter	Convex	Concave	Type	Full Spot None Eff.
Ends	1.5							24				
(b)												

If removable, bolts used (describe other fastening) SA-193-B7.5/8.16
 (Mat'l Spec. No., Grade, Size, No.) RR 1028.10

16. MAWP 150 (internal) - (external) psi at max. temp. 200 (internal) - (external) °F Min. design metal temp. -20 °F at 150 psi.

17. Impact test NO UG-20(f)

(Indicate yes or no and the component(s) impact tested)

18. Hydro., pneu., or comb. test press. HYDRO. 225 Proof test N/A

19. Nozzles, inspection, and safety valve openings:

Purpose (inlet Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
SAFETY	1	1/2		SA106Gr.B	SMLS	.147	---	Not Required	Welded		
VENT/PURGE	1	1/2		SA106Gr.B	SMLS	.147	---	Not Required	Welded		
LIQ OUT	1	1		SA106Gr.B	SMLS	.179	---	Not Required	Welded		
HOT-GAS	1	1 1/2		SA106Gr.B	SMLS	.200	---	Not Required	Welded		
MISC	4	2		SA106Gr.B	SMLS	.218	---	Not Required	Welded		
WTR. REG	1	1/4		SA-105		3000#	---	Not Required	Welded		
OIL DRAIN	1	1/2		SA-105		3000#	---	Not Required	Welded		

20. Supports: Skirt No (Yes or No) Lugs - (No.) Legs - (No.) Others Saddles (Describe) Attached TOP/BOT WELDED (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, mfg's. name and identifying number)
Na

22. Remarks: 24" O.D. X 60" (6 PASS) CONDENSER FOR NON-LETHAL/NON CORROSIVE SERVICE

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1,

U Certificate of Authorization No. 142 Expires MAY 28, 19 98

Date 5-10-96 Name FRICK COMPANY (Manufacturer) Signed R. Rosenwald (Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PA and employed by KEMPER NAT. INS. COMPANIES of LONG GROVE, IL. have inspected the pressure vessel described in this Manufacturer's Data Report on 5-10, 19 96, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his 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 5-10-96 Signed [Signature] (Authorized Inspector) Commissions NB6373(A)MD117 (Nat'l Board incl. endorsement, State, Province and No.)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements on this report are correct and that the field assembly construction of all parts of this vessel conforms with the requirements of ASME Code, Section VIII, Division 1,

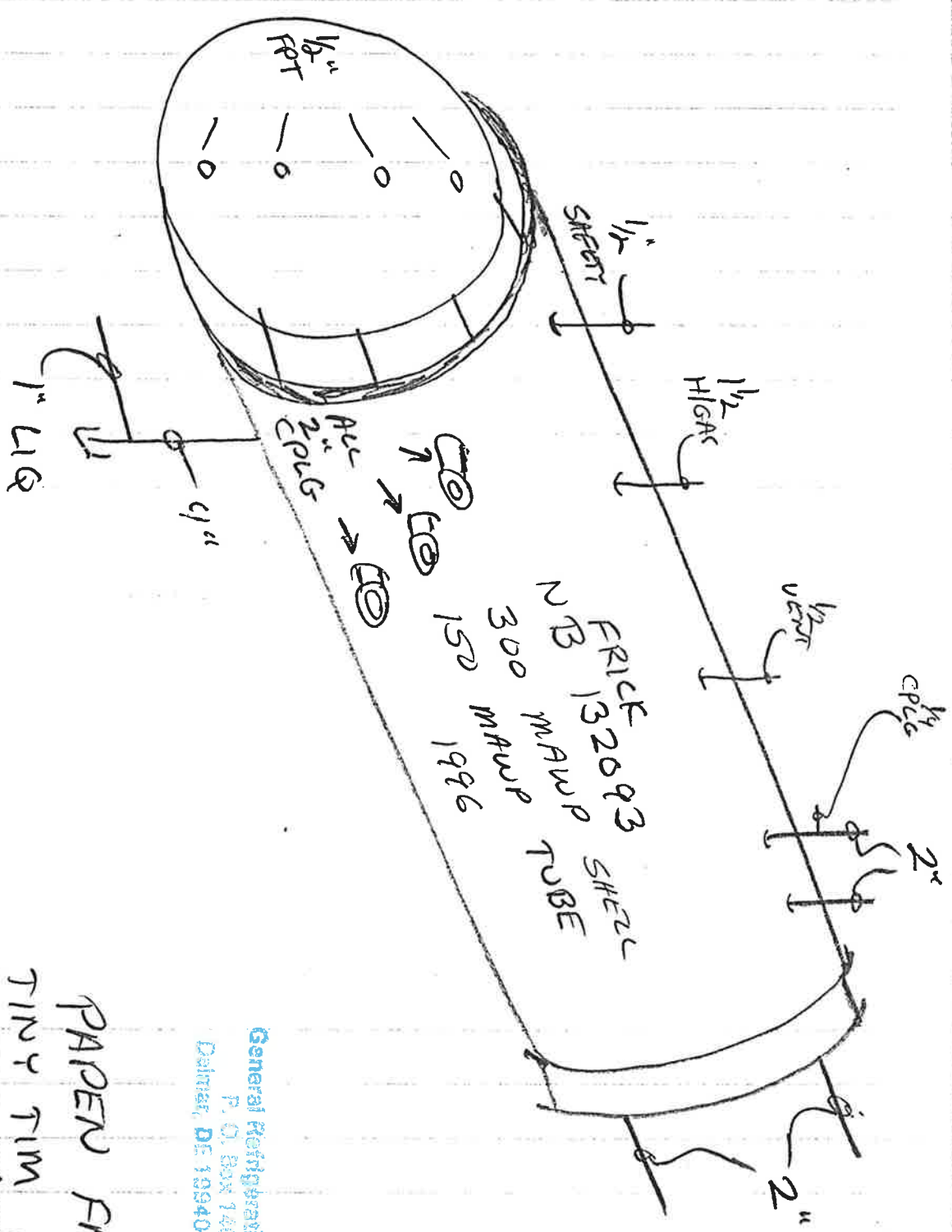
U Certificate of Authorization No. Expires, 19

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 the State or Province of and employed by 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 ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of psi. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his 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 (Authorized Inspector) Commissions (Nat'l Board incl. endorsement, State, Province and No.)



General Refrigeration Co.
 P. O. Box 140
 Dalmer, DE 19940-0140

PAPEN FARM
 TINY TIM 10 S.C
 ICE MAKER
 SHES ORDER
 266 273