

F 1.75

Items 4-9 incl. to be completed for single wall vessels (such as air tanks), jackets of jacketed vessels, or shells of heat exchangers.

If riveted describe seams fully on reverse side of form.

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T. S., Size, Number) (Describe or Attach Sketch)

8. JACKET CLOSURE: _____
(Describe as ogee & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

Items 10 and 11 to be completed for tube sections.

Floating. Material _____ Diam. _____ In. Thickness _____ In. Attachment _____
(Kind & Spec. No.)

11. TUBES: Material SA249 O.D. 3/4 In. Thickness 16 avg ~~XXXX~~ X Gage Number 568 Type Straight
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL Material 304S/S SA240 S. 75000 Nominal Thickness 3/16 Corrosion Allowance 0
(Kind and Spec. No.) (Fig. or F.B. & Spec. Min. T.S.) In. In. Diam. 2 3-3/4 In. Length 1 2

13. SEAMS: Long Dbl Butt H.T. No R.T. Spot Sectioned No Efficiency 85 %
(Welded, Dbl, Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

304 S/Sir UA-48(1a) NO NONE No (1)ea
UW-13.2(b) H.T. 75000 R.T. NONE Sectioned No No. of courses (1)ea

14. HEADS (a) Material C/SSA515GR71 S. 70000 (b) Material T.S. (c) Material T.S.

	Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	State of Surface (Convex or Concave)
(a)	Welds at end	1/8	S2-1/2	3/8				32-5/8	Flat

(b) Channel 304S/S1iner

(c) Floating

If removable, bolts used (a) Al. St. SA-193B7, 125000, 3/4" #64 (b)
(Material Spec. No. T S. Size Number)

(c) _____ Other fastening _____ (Describe or Attach Sketch)

15. Constructed for max. **Full Vac.** Min. temp. (when allowable working press.² **120** psi at max. temp. **250** °F. less than -20°) **----** °F. **Test Press 180** psi

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number Size Location ELSEWHERE IN SYSTEM

17. NOZZLES

NOZZLES							
Purpose (Inlet, Outlet, Drain)	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
	2	6"	LAP 150#	304S/SSA240	Sch40	None	Welded
	1	10"	S.O.150#	C/S SA53GRB	Sch80	None	Welded
	1	4"	S.O.150#	C/S SA53GRB	Sch80	None	Welded
	2	1"	S.O.150#	C/S SA53GRB	Sch80	None	Welded

¹ If postweld heat-treated.² List under remarks other internal or external pressures with coincident temperature when applicable.

FORM U-1 (back)

18. INSPECTION Manholes, No. _____ Size _____ Location _____
 OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____
 19. SUPPORTS: Skirt NO Lugs NO Legs NO Other Saddles Attached Shell, welded
 (Yes or No) (Number) (Number) (Number) (Describe) (Where & of how)

20. REMARKS: This vessel was fabricated for non-lethal service.
Contents: Tube Side - Methanol. Shell Side - Steam.
Overall length - 14'-2-3/4".

Vessel has a expansion joint as Code Case 1175-5WJ
 (Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooker, etc. State contents of each part.)

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 I.

Date August 12 19 71 Signed Camden Alloy Fabricators, Inc. Edward W. Hays
 (Manufacturer)

Certificate of Authorization Expires 12/32/74

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Camden Alloy Fabricators, Inc. Camden, New Jersey

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province Pa. and employed by Hartford Steam Boiler Ins. & Ins. Co. of Hartford, Conn.

have inspected the pressure vessel described in this manufacturer's data report on August 3 19 71, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

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 August 12 19 71

Walter Conroy
 Inspector's Signature

Commissions

NB 4438 PA 1786

Nat'l Board, State, or Province and No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province _____ 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 that to the best of my knowledge and belief the manufacturer has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME

Boiler and Pressure vessel Code. 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 _____ 19 _____
 Inspector's Signature _____

Commissions _____

Nat'l Board, State, or Province and No. _____