

SECTION A-A

ITEM 1 - (1) REQ'D
MESH MAT'L - FEP MONOFILAMENT
GRID MAT'L - TFE
MESH STYLE - 2212
TIE WIRE MAT'L - FEP MONOFILAMENT
SUPPORT RING MAT'L - TFE



KOCH ENGINEERING CO., INC.-DIVMET DIVISION

1275 BLOOMFIELD AVENUE

FAIRFIELD, NEW JERSEY 07006

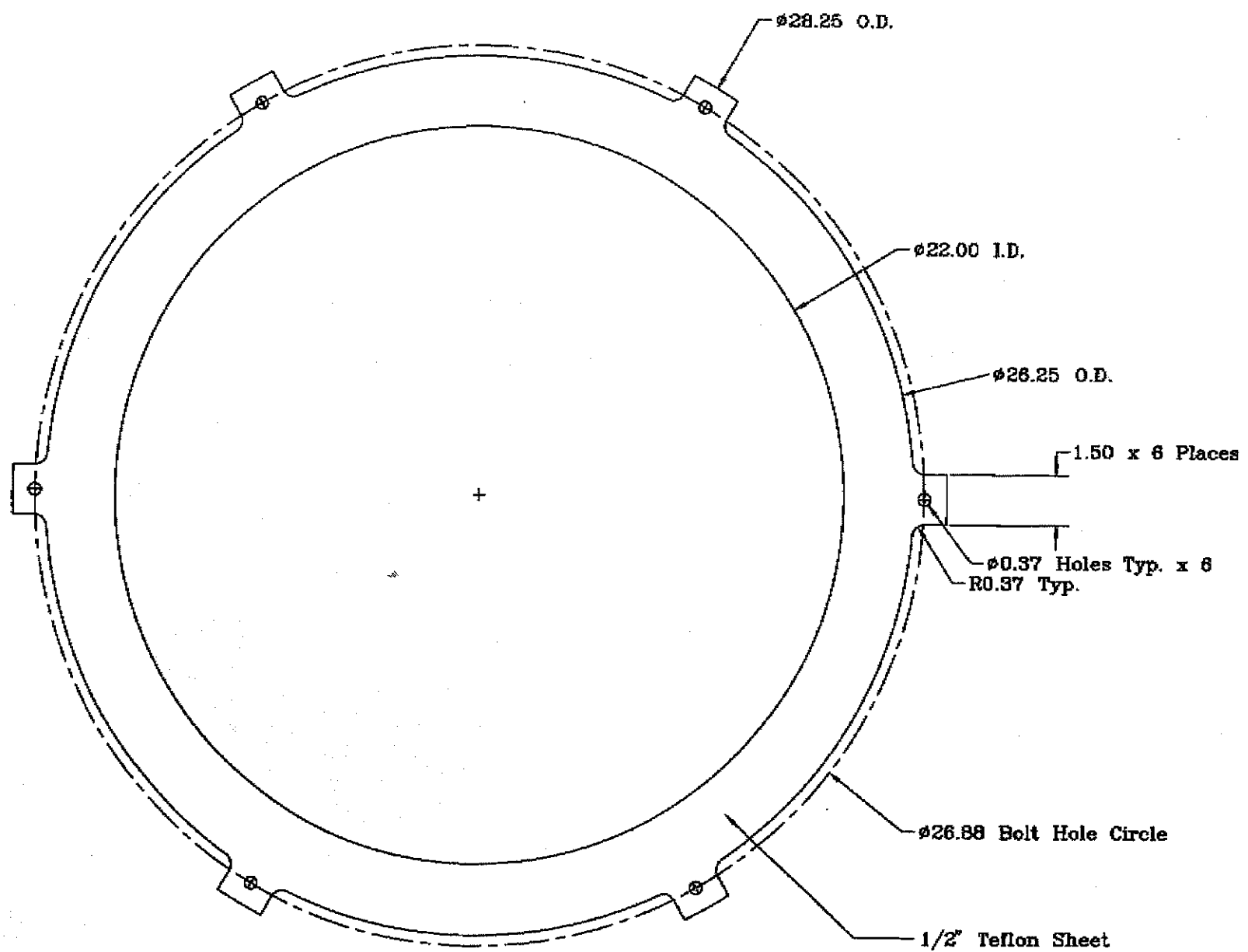
(201) 226-4100

ISSUE DATE	SCALE: <i>NTS</i>	APPROVED BY:	DRAWN BY <i>MMP</i>
JOB # <i>39591</i>	DATE: <i>4-10-95</i>		REVISED <i>4-9-96</i>
BY _____	<i>23 1/4" DIA FLEXIMESH MIST ELIMINATOR</i>		
CUSTOMER ORDER NO. <i>19902</i>	<i>JONES-HAMILTON NEWARK, CA</i>		DRAWING NUMBER <i>B6854 R1</i>

#924 P02

TEL NO: 510-838-4289

APR-04-'96 THU 11:51 ID: HDK ASSOCIATES



Mist Eliminator Support Ring

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

1. Manufactured and certified by CERAMIC COATING COMPANY, 123 Banklick Road, Newport, KY 41076
(Name and address of manufacturer)
2. Manufactured for Jones-Hamilton Company
(Name and address of purchaser)
3. Location of installation Newark, CA 94560
(Name and address)
4. Type Vertical 7-42097 NA C4778 Rev. 1 1542 1996
(Horiz. or vert., tank) (Mfr's serial No.) (ICRN) (Drawing No.) (Nat'l. Bd. No.) (Year built)
5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME **BOILER AND PRESSURE VESSEL CODE**. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1992
Year
- to 1994 NA None
Addenda (Date) Code Case Nos. Special Service per UG-120(d)
6. Shell: SA-106 3/8 0 1' - 11 1/4" 3' - 3", 0' - 11"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams: SMLS NA 85% PAR 9-9 PAR 9-9 DBW NA Two
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses
8. Heads: (a) Mat'l. SA-234-WPB App. 27-7 (b) Mat'l. SA-234-WPB App. 27-6
(Spec. No., Grade) (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	<u>Top</u>	<u>.373</u>	<u>0</u>			<u>2:1</u>				<u>Both</u>
(b)	<u>Bottom</u>	<u>.372</u>	<u>0</u>			<u>2:1</u>				<u>Both</u>

If removable, bolts used (describe other fastenings) SA-194-2H/SA-193-B7 1" 24 per flange (72 Total)
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP EV/125 psi at max. temp. 450 °F
 Min. design metal temp. -20 °F at 125 psi. Hydro., pneu., or comb. test pressure 125 psi.
10. Nozzles, inspection and safety valve openings: Safety devices by end user

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
	<u>3</u>	<u>6"</u>	<u>FIG</u>	<u>SA-216</u>	<u>150 lb.</u>	<u>integral</u>	<u>DBW</u>	
	<u>6</u>	<u>3"</u>	<u>FIG</u>	<u>SA-216</u>	<u>50 lb.</u>	<u>integral</u>	<u>DBW</u>	

11. Supports: Skirt None Lugs 4 Legs None Other NA Attached Banded to shell
(Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: PAR UG-20(f) NO IMPACT TESTING CONDUCTED
(Name of part, item number, Mfr's. name and identifying stamp)

Glasslined 24" O.D. Mist Eliminator Housing for Chemical Service
C.O. 19332 Constructed in Conformance with Appendix 27, Alternative Requirements for Glass-Lined Vessels.

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. 16284 expires Jan 17, 1999
 Date 2/2/96 Co. name CERAMIC COATING COMPANY Signed Kenneth R. Schuth
(Manufacturer) (Representative)

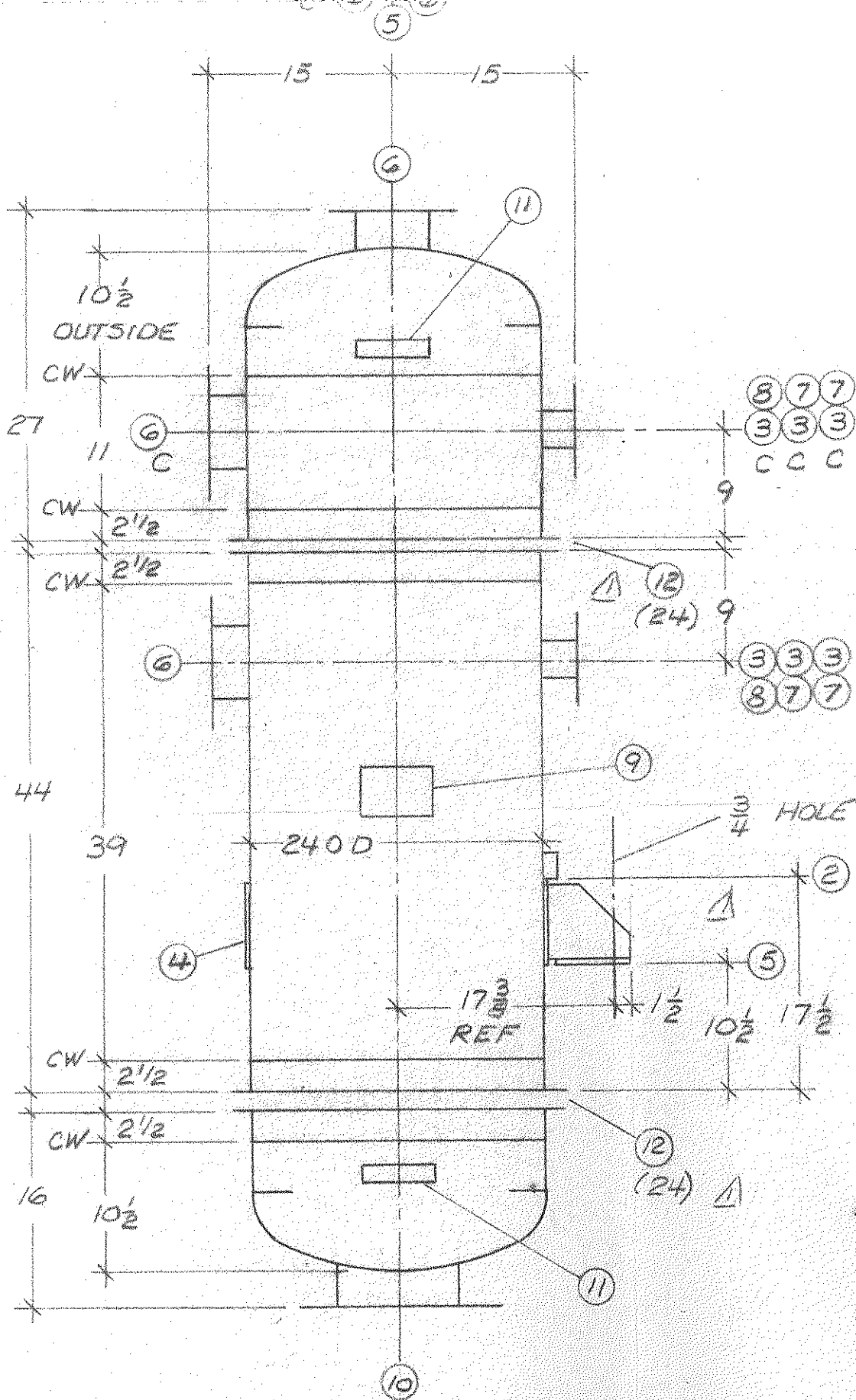
CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CERAMIC COATING COMPANY at Newport, KY

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Kentucky and employed by Commercial Union Insurance Company, Boston, MA

have inspected the component described in this Manufacturer's Data Report on 2-2, 1996, 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 2-2-96 Signed [Signature] Commissions 10/68 BN, Ky 875, PA 386
(Authorized Inspector) (Nat'l Board (incl. endorsement), State, Prov. and No.)



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JKT., MAT	
SEALER, M	
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THK. TYPE	
THK OF SH	
THK. TYPE	
SPECIFIC	
ASME CODE	
AUTH. INSP	
DESIGN PR	
FULL INT.	
DESIGN TE	
CUST. WKG	19332 7-42097, -98
CUST. WKG	18670 7-41576
HYDRO TE	C.O. CCC
RADIOGRA	

(2)

GLASS SPEC	CCC 57
GLASS HT	2000
PLUGS	FREE
GASKETS	CRT-NA
PAINT	CARBOLIN

INCH DIMENSIONS

THE CERAMIC COATING COM

24 Mist Eliminator Hou

DRAWN	KDE 16MR95	SCALE	1/2	REV.	
CHECKED	DGR 16MR95	CUST ORDER	SE		
APPROVED		CCC ORDER	CHA		

W. E. Kopp
09 NOV 95

C4461

REFERENCE DWGS