

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURIZED VESSELS
 (Alternate Form 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 Curtis Kelly Inc. 14875 Waterloo, Houston, TX 77053
 (Name and address of manufacturer)

2. Manufactured for Hoechst Celanese Chemical Group, Ltd. 1601 W. LBJ Freeway Pampa, Texas 75381
 (Name and address of purchaser) **#95579**

3. Location of installation Hoechst Celanese Chemical Pampa Plant Hiway 60 West Pampa, Texas
 (Name and address)

4. Type: Vertical 1365 ----- 5132-1365 336 1997
 (Horiz. or vert. tank) (Mfr's serial no.) (CRN) (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: 1995
 to A 95 ----- -----
 Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: SA-240-316L * .25" 6'-0" 73'-11"
 (Spec. No., Grade) (Nom. Thk (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: Type I Spot 85% -- --- Type I Spot 8
 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) Matl. SA-240-316L (b) Matl. SA-240-316L
 (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) top	.45"	.25"	---	---	2:1	---	---	---	Concave
(b) bottom	.65"	.25"	---	---	2:1	---	---	---	Concave

If removable, bolts used (describe other fastenings) -----
 (Matl., Spec. No., Gr., Size, No.)

9. MAWP: 60 (15 psi Ext.) psi at max. temp. 400 (200 External) °F
 Min design metal temp. -20 of at 60 psi. Hydro., pneu. or comb. test pressure 96 (Horiz.) psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
						See attached U4 - 2 pages		

11. Supports: Skirt Yes Lugs --- Legs --- Other --- Attached Welded to btm. head
 (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 this report:
None

(Name of part, item number, Mfr's. name and identifying stamp)
 * Ring #1 - .75", Ring #2 & #3 - .625", Ring #4 thru #8 - .5" Stiffener rings used. The filler metal used for Joining 316L to 316L was E317LT-1. Impact test exempt per UHA 51, UNF 65 & UCS 66(c) & (a). User see UG 125 (a).

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. 5554 expires 1-30, 1998
 Date 6-18-97 Co. name Curtis Kelly Inc. Signed Phillip Demande
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Curtis Kelly Inc. at 14875 Waterloo, Houston, TX 77053
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Old Republic Insurance Co. of Texas have inspected the component described in this Manufacturer's Data Report on 6-18, 19 97 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 6-18, 19 97 Signed [Signature] Commissions 10924A Tx 1366
 (Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

FORM U-4 M MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by Curtis Kelly Inc. 14875 Waterloo, Houston, TX 77053
(name and address of manufacturer)

2. Manufactured for Hoechst Celanese Chemical Group, Ltd. 1601 W. LBJ Freeway Dallas, Texas 75381
(name and address of purchaser)

3. Location of installation Hoechst Celanese Chemical Pampa Plant Hiway 60 West Pampa, Texas
(name and address)

4. Type: Vertical Tower 1365
(horiz., vert., or sphere) (tank, separator, heat exh., etc.) (mfg's serial no.)
----- 5132-1365 336 1997
(CRN) (drawing no.) (Nat'l. Bd. no.) (year built)

#95579

Data Report Item Number _____ Remarks _____

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	
Pressure	1	3/4"	150# RFWN	SB622-C276	SB574-C276	.154"	0"	Inherent	UW16.1(E)	Welded	
Manway	5	21"	SPCL. LPJNT *	SA-240-316L	SA-516-70	.5"	.25"	SA-240-304	UW16.1(E)	N/A	shell
Residue	1	3"	150# LPJNT	SB619-C276	SA-105	.216"	0"	Inherent	UW16.1(E)	N/A	
Level Trans.	2	3/4"	150# RFWN	SB622-C276	SB574-C276	.154"	0"	Inherent	UW16.1(E)	Welded	
Level Gauge	2	3/4"	150# RFWN	SB622-C276	SB574-C276	.154"	0"	Inherent	UW16.1(E)	Welded	
Vapor	1	18"	150# LPJNT	SB575-C276	SA-105	.25"	0"	SA-240-304	UW16.1(E)	N/A	
Reboil. Liquid	1	10"	150# LPJNT	SB575-C276	SA-105	.25"	0"	Inherent	UW16.1(E)	N/A	
Reboiler Vapor	1	16"	150# LPJNT	SB575-C276	SA-105	.25"	0"	SA-240-304	UW16.1(E)	N/A	
Corr. Probe	3	1 1/2"	150# RFWN	SB619-C276	SB574-C276	.145"	0"	Inherent	UW16.1(E)	Welded	
Feed	3	3"	150# LPJNT	SB619-C276	SA-105	.216"	0"	Inherent	UW16.1(E)	N/A	
Reflux	1	2"	150# RFWN	SB619-C276	SB574-C276	.154"	0"	Inherent	UW16.1(E)	Welded	
Press. Gauge	1	3/4"	150# RFWN	SB622-C276	SB574-C276	.154"	0"	Inherent	UW16.1(E)	Welded	

*

2" thick circle. X 26 1/4" O.D. X 21 3/16" I.D. with 24 - 3/4" dia. holes equally spaced on a 24 3/4" bolt

Page 1

Certificate of Authorization: Type U No. 5554 Expires 1-30, 19 98

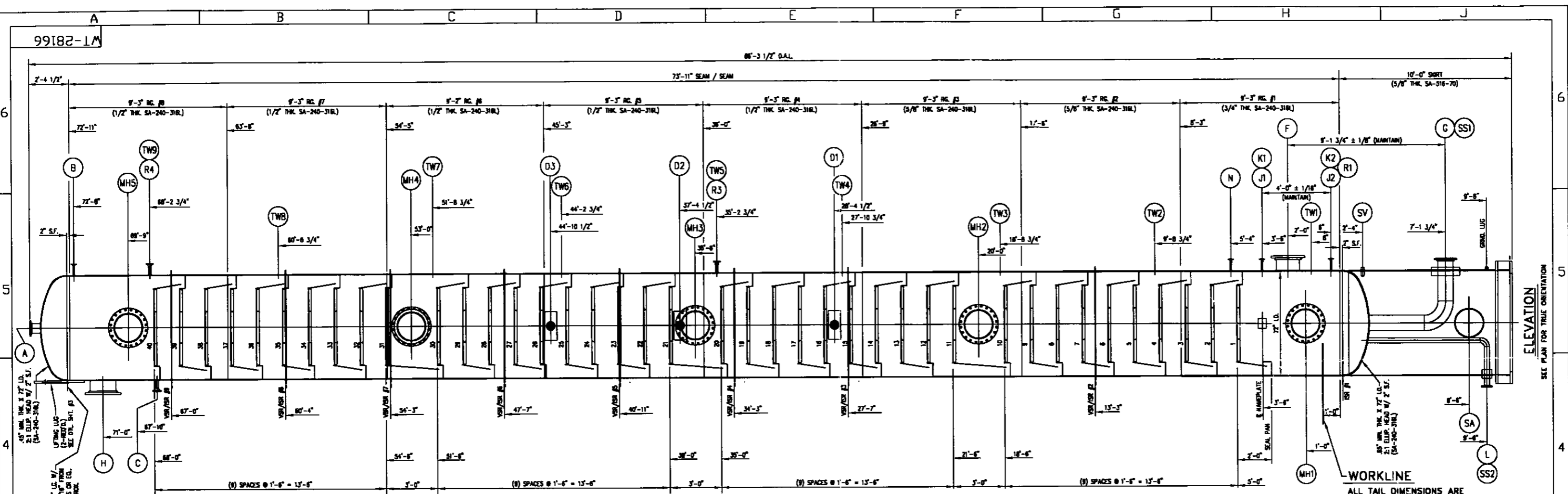
Date 6-18-97 Name Curtis Kelly Inc. (manufacturer) Signed Phillip Durando (representative)

Date 6-18-97 Name [Signature] (Authorized Inspector) Commission 10924A TX 1326 (Nat'l. Board incl. endorsement, state, province and no.)

RR 1067.4

#95579

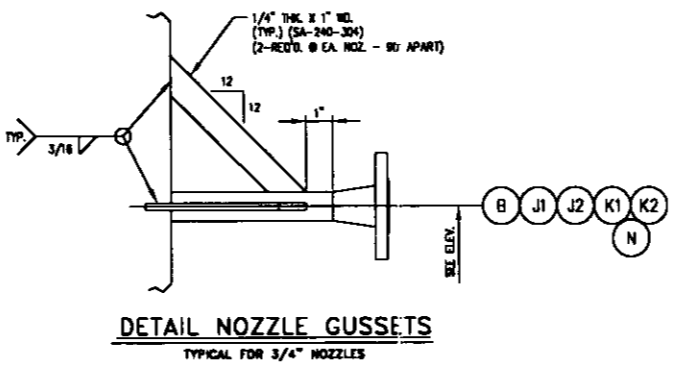
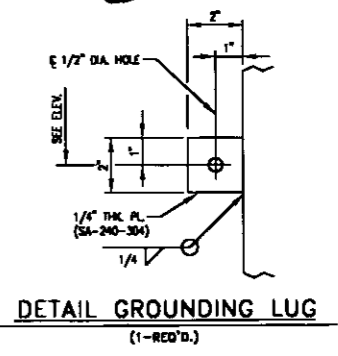
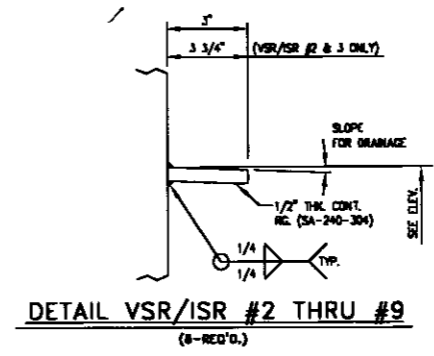
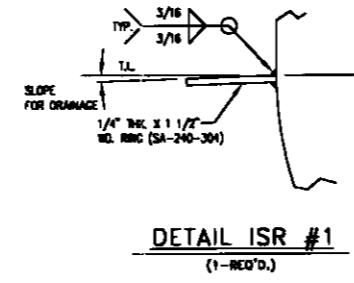
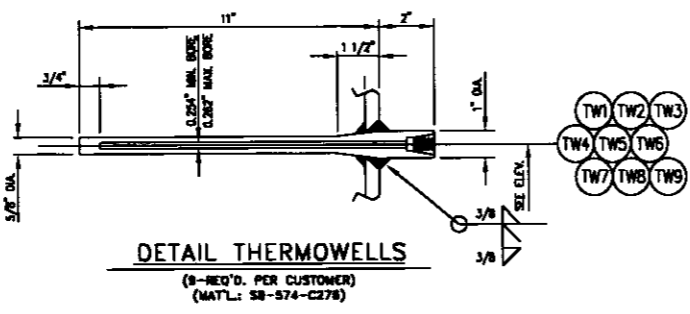
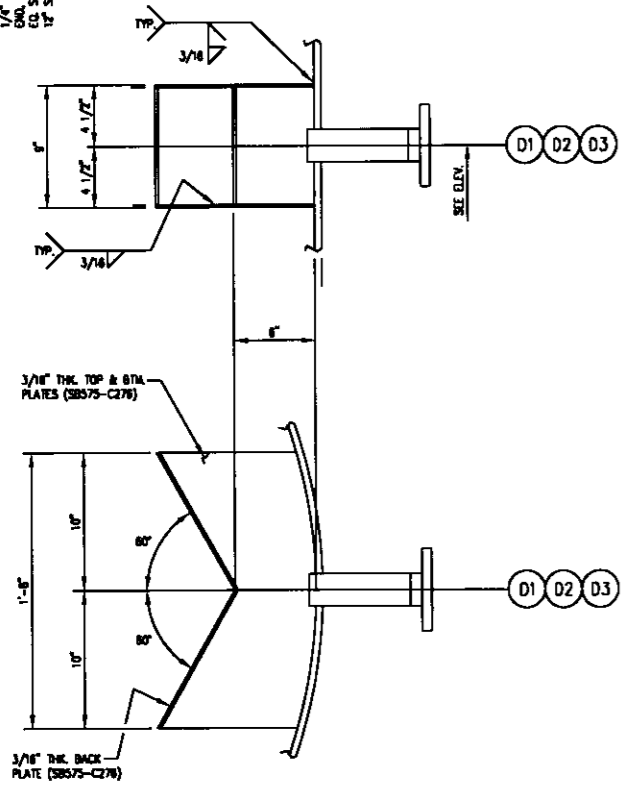
99182-LM



ELEVATION
SEE PLAN FOR TRUE ORIENTATION

WORKLINE
ALL TAIL DIMENSIONS ARE MEASURED FROM THIS LINE UNLESS NOTED OTHERWISE.

95579



CURTIS KELLY DRAWING NO.: 5132-1365 SHT. 2 OF 5

1365	6	AS BUILT	RC	CC	CH	6-19-97
1365	5	AS NOTED	RC	GHL	CH	3-18-97
1365	4	AS NOTED	RC	GHL	CH	2-26-97
1365	3	AS NOTED	RC	GHL	CH	2-13-97
1365	2	AS NOTED	RC	GHL	CH	1-15-97
1365	1	ISSUED FOR CONSTRUCTION	RC	GHL	CH	12-19-96
1365	0	ISSUED FOR APPROVAL	RC	GHL	CH	11-14-96

CONFIDENTIAL

Celanese
Chemical Division Pampa Plant

AREA-VII MeFo UNIT
TOWER
T-138 72" I.D. x 73'-11" SM/SM
ELEVATION

DR. BY: R. GRAY	DATE: 11-3-96	SCALE: N.T.S.
CHKD. BY: GHL	DATE: 11-8-96	REVISION:
APP. BY: GHL	DATE: 11-8-96	WT-28166-6
REV. BY: REN	DATE: 08/04/97	

NOTE: This drawing has been created with AUTOCAD DO NOT MANUALLY DRAFT ON THIS COPY

