## FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1 1. Manufactured by B. NOLTE & SONS, INC. MULLEN RD. WHITEHOUSE, N.J. 2. Manufactured for AMERICAN HOECHST CORP. 129 QUIDNICK ST. COVENTRY, R.I. (Name and address of purchaser) 3. Location of Installation COVENTRY VERTICAL (Horiz., or vert. tank) \_ Year Built <u>19</u>78 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, Divi-. and Addenda to \_\_\_\_ \_ and Code Case no. \_ Special service per UG-120(d) Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: (Name of part, item number, mfgr's name and identifying stamp) Items 6-11 incl. to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers 6. Shell: Material SA240 T3161 (Spec. No., Grade) \_\_\_ Nominal Thickness \_\_\_\_\_\_ 120 \_\_\_ in. Corrosion Allowance \_\_\_ 0 \_\_ in. Length 4 CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and that all details of resign, workmansh to of this vessel conform to the ASME Code for Pressure Vessels, Section VI \_\_\_ Signed B. NOLTE & SONS, INC. by (Manufacturer) 2865 80 "U" Certificate of Authorization No. \_ CERTIFICATE OF SHOP INSPECTION Vessel made by B. NOLTE & SONS, INC. at WHITEHOUSE, N.J. 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 NEW JERSEY and employed by COMM. UNION INS. of BOSTON, MASS. have inspected the pressure vessel described in this Manufacturers' Data Report on  $_{-}$  19 $_{--}$   $_{7}$   $_{8}$   $_{-}$  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 the Manufacturers' 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. CERTIFICATE OF COMPLIANCE FOR FIELD WORK 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. \_\_ Signed (Manufacturer) "U" Certificate of Authorization 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 of \_ and employed by -\_ have compared the statements in this Manufacturers' Data Report with the described pressure vessel and state that parts referred to as data items \_ 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 ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic test of ... By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturers' 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

(Nat'l Board, State, Province and No.)

Commissions

inspection. Date ... Signed

(Authorized Inspector)

		F Time	_ Girth _ SIN	(Welde	l I d. Dhl. Snot. Lan. B	efficiency 50
	R.T. NONE	ull) No. of Courses	13. TURN	IS OF HE	MI – TUBE	Ξ
8.	(Spot, Partial, or F Heads: (a) Material _SA	240 T316L	(b)	Material		
	Location	(Spec. No., Grade) Minimum	Corrosion		(Spec. No.	
	(Top, Bottom, Ends)	Thickness	Allowance	Radius	Radius	Ratio
	(a) BOTTOM	3"OD X .		-	TUBE	
	(b)	DIRECTLY	TO BOTT			
	Conical Apex Angle	Hemispherical Radius		Flat iameter	Side to Convex	o Pressure or Concave)
	(a)					
	(b)					
	If removable, bolts used (c	describe other fastenings)	· · · · · · · · · · · · · · · · · · ·	(Material, Spec	c. No., Gr., Size, No	
	Type of Jacket HAL Jacket Closure SEE	F PIPE REMARKS  Describe as ogee & weld, bar,	Proof	r rest ar, give dimens	sions	
	به و ما المسال المسال المسال	. h	7.7			
11.	Constructed for max. allow	vable working pressure	_90ps	i at max. temp.		Min. temp. (w
	less than -20 F)					
112.	ns 12 and 13 to be completed Tubesheets: Stationary—I	Material	j. 11.50m	Diam		<u>, 50, 50</u>
	Nominal Thickness	(Spe in. Corrosion A	ec. No. Gr.)	in. Attac	(Subject to hment	pressure)
	Floating—Material	(Spec No. Gr.)	Diam	in.		
	Nominal Thickness	in. Corrosion	Allowance	in.		gada persali Hari
13	Attachment	Spec. No., Gr.)	n	in Nominal	Thickness	in, or ga
13.	Tubes: Material	Spec. No., Gr.)			THORATOUS	1.3.4.
	Number	туре	(Straight or "U")		-	
14. 15.	. Seams: Longitudinal	O in. L DBL BUTT (Welded, Dbl, Sngl, L F Time	an. Butt)	ft <u>2</u> _R.T <u>SPO</u> BUTT	in. T E ot or Full)	
15.	H.T. Temp  R.T. PARTIAL	(Welded, Dbl, Sngl, L F Time No. of course	.ap, Butt) GirthDBL es	m.t2 R.TSPO Sp Sp (Welde	in. T ot or Full) d, Dbl., Sngl, Lap,	Butt)
15.	H.T. Temp	Welded, Dbl, Sngl, L F Time No. of course Full) FA240 T316	ap, Butt) DBL	m.t2 R.TSPO Sp Sp (Welde	in. T ot or Full) d, Dbl., Sngl, Lap,	Butt) 3 1 6
15.	H.T. Temp  R.T. PARTIAL (Spot, Partial or . Heads: (a) Material S	DBL BUTT   (Welded, Dbl, Sngl, L   F Time   No. of course   Full)   FULL   Table   T	Girth DBL	ft	in. T ot or Full) d, Dbl., Sngl, Lap, SA240 T (Spec. N Knuckle	Butt)
15.	H.T. Temp  R.T. PARTIAL (Spot, Partial or Spot, Partial o	Welded, Dbl, Sngl, L  F Time  No. of course  Full)  (Spec. No., Grade  Minimum  Thickness	ap, Butt) Girth BL  SS(  Corrosion Allowance	ht 2 R.T. SPO BUTT (Welde	in. Tot or Full)  d, Dbl., Sngl, Lap, SA240 T (Spec. N Knuckle Radius	Butt) 3 1 6 o., Grade) Elliptical
15.	H.T. Temp  R.T. PARTIAL (Spot, Partial or Heads: (a) Material  Cocation (Top, Bottom, Ends)	Weided, Dbl, Sngl, L  F Time  No. of course  SA240 T316  (Spec. No., Grade  Minimum  Thickness  5/1611	Girth DBL	t 2 R.T. SPO BUTT (Welde b) Material S Crown Radius	in. T ot or Full) d, Dbl., Sngl, Lap, SA240 T (Spec. N Knuckle	Butt) 3 1 6 o., Grade) Elliptical
15.	H.T. Temp  R.T. PARTIAL (Spot, Partial or Heads: (a) Material  Cocation (Top, Bottom, Ends)  TOP (b) BOTTOM	DBL BUTT	Corrosion Allowance	b) Material Crown Radius 6611	in. Tot or Full) d, Dbl., Sngl, Lap, (Spec. N Knuckle Radius 6%	Butt) 3 1 6 o., Grade) Elliptical Ratio
15.	H.T. Temp  R.T. PARTIAL (Spot, Partial or Heads: (a) Material  Cocation (Top, Bottom, Ends)	Weided, Dbl, Sngl, L  F Time  No. of course  SA240 T316  (Spec. No., Grade  Minimum  Thickness  5/1611	Corrosion Allowance  - 0 -	t 2 R.T. SPO BUTT (Welde b) Material S Crown Radius	in. Tot or Full)  d, Dbl., Sngl, Lap, (Spec. N Knuckle Radius 6% 6% Sidè	Butt) 3 1 6 o., Grade) Elliptical
15.	H.T. Temp  R.T. PARTIAL (Spot, Partial or Heads: (a) Material  Location (Top, Bottom, Ends)  (a) TOP (b) BOTTOM  Conical Apex Angle	DBL BUTT	Corrosion Allowance  - 0 -	tt 2 R.T. SPO (Welde	in. Tot or Full) d, Dbl., Sngl, Lap, (Spec. N Knuckle Radius 6 % Side (Conve)	Butt)  3.1.6 o., Grade) Elliptical Ratio  to Pressure x or Concave)  E. E. CON
15.	H.T. Temp  R.T. PARTIAL (Spot, Partial or Location (Top, Bottom, Ends)  (a) TOP (b) BOTTOM  Conical Apex Angle  (a) (b)	DBL BUTT	Corrosion Allowance  - 0 -	tt 2 R.T. SPO (Welde	in.  Tot or Full)  d, Dbl., Sngl, Lap,  (Spec. N Knuckle Radius  6 %  6 %  Side (Convey)	Butt)  3 16 o., Grade)  Elliptical Ratio  to Pressure x or Concave)  E & CON\ E & CON\
16.	H.T. Temp  R.T. PARTIAL (Spot, Partial or Uspot, Bottom, Ends)  (a) TOP (b) BOTTOM  Conical Apex Angle  (a) (b)  If removable, bolts used (	Welded, Dbl, Sngl, L  F Time  No. of course  A 2 40 T 3 16  (Spec. No., Grade Minimum Thickness  5 / 16 11  'Hemispherical Radius	Corrosion Allowance  - 0 0 1	ft 2 R.T. SPO (Sep. (Welder Sport of the sep. (Material,	in. Tot or Full)  d, Dbl., Sngl, Lap,  SA240 T (Spec. N Knuckle Radius  6% 6% Side (Convex)  CONCAV  CONCAV  c. No., Gr., Size, N.	Butt)  3 16 o., Grade)  Elliptical Ratio  to Pressure or Concave)  E & CONV E & CONV
16.	H.T. Temp  R.T. PARTIAL (Spot, Partial or Location (Top, Bottom, Ends)  (a) TOP (b) BOTTOM  Conical Apex Angle  (a) (b)	Weided, Dbl, Sngl, L F Time  No. of course (Spec. No., Grade Minimum Thickness  5/16"  5/16"  Hemispherical Radius  describe other fastenings wable working pressure	Corrosion Allowance  -001  F. V. & 9 Ops	ft 2 R.T. SPO (Sep. (Welder Sport of the sep. (Material,	in. Tot or Full)  d, Dbl., Sngl, Lap,  SA240 T (Spec. N Knuckle Radius  6% 6% Side (Convey CONCAV CONCAV  c. No., Gr., Size, N 390 1, F	Butt)  3 16 o., Grade)  Elliptical Ratio  to Pressure x or Concave)  E & CON E & CON O.)
16.	H.T. Temp  R.T. PARTIAL (Spot, Partial or Uspot, Bottom, Ends)  (a) TOP (b) BOTTOM  Conical Apex Angle  (a) (b) If removable, bolts used (constructed for max. alloo	Welded, Dbl, Sngl, L  F Time  No. of course  A 2 40 T 3 16  (Spec. No., Grade Minimum Thickness  5 / 16 11  5 / 16 11  Hemispherical Radius  describe other fastenings wable working pressure F. Hydrostatic,	Corrosion Allowance  - 0	ft 2 R.T. SPO (Welde  b) Material Crown Radius  6611 Flat Diameter  (Material, Speid at max temp. test pre-	in. Tot or Full)  d, Dbl., Sngl, Lap, (Spec. No. Knuckle Radius)  6% 6% Side (Convey) CONCAV CONCAV CONCAV  C. No., Gr., Size, N. 390 Fssure 14	Butt)  3 16 o., Grade)  Elliptical Ratio  to Pressure x or Concave)  E & CON\ E & CON\ O psi.
16. 17.	H.T. Temp  R.T. PARTIAL (Spot, Partial or Location (Top, Bottom, Ends)  (a) TOP (b) BOTTOM Conical Apex Angle  (a) (b) If removable, bolts used (constructed for max. alloless than -20 F) Items below to be comple.	Welded, Dbl, Sngl, L (Welded, Dbl, Sngl, L (Welded, Dbl, Sngl, L F Time  No. of course (SA240 T316 (Spec. No., Grade Minimum Thickness  5/16'! 5/16'! 4	Corrosion Allowance  - 0	ft 2 R.T. SPO (Welde  b) Material Crown Radius  6611 Flat Diameter  (Material, Speid at max temp. test pre-	in. Tot or Full)  d, Dbl., Sngl, Lap, (Spec. No. Knuckle Radius)  6% 6% Side (Convey) CONCAV CONCAV CONCAV  CONCAV  Sure. No., Gr., Size, No. 390 Fessure.	Butt)  3 16 o., Grade)  Elliptical Ratio  to Pressure x or Concave)  E & CON E & CON O.)
16. 17.	H.T. Temp  R.T. PARTIAL (Spot, Partial or (Spot, Bottom, Ends))  Location (Top, Bottom, Ends)  (a) TOP (b) BOTTOM  Conical Apex Angle  (a) (b) If removable, bolts used (Constructed for max. allowers than -20 F) Items below to be completed.  Safety Valve Outlets: Nur. Nozzles: Purpose	Welded, Dbl, Sngl, L  F Time  No. of course  (Spec. No., Grade  Minimum  Thickness  5/16!!  5/16!!  4 Hemispherical  Radius  describe other fastenings  wable working pressure  F. Hydrostatic,  eted for all vessels where  mber  Diam.	Corrosion Allowance  -00- 1  F.V.&90ps e applicable Size	ft 2 R.T. SPO  BUTT (Welde  b) Material Service (Welde  Crown Radius  6611  6611  Flat Diameter  (Material, Special at max temp. test presented	in. Tot or Full)  d, Dbl., Sngl, Lap, (Spec. No. Knuckle Radius)  6% 6% Side (Conve)  CONCAV CONCAV CONCAV Loc. No., Gr., Size, No. 390 ssure 14  Location 1	Butt)  316 o., Grade) Elliptical Ratio  to Pressure x or Concave)  E & CON\ E & CON\ O psi.  N SYSTEN  ement How
16. 17.	H.T. Temp  R.T. PARTIAL (Spot, Partial or LSpot, Partial or Heads: (a) Material  Location (Top, Bottom, Ends)  (a) TOP (b) BOTTOM  Conical Apex Angle  (a) (b) If removable, bolts used ( constructed for max. alloless than -20 F) Items below to be comple. Safety Valve Outlets: Nur. Nozzles: Purpose (Inlet, Outlet, Drain)	Welded, Dbl, Sngl, L  F Time  No. of course  (Spec. No., Grade  Minimum  Thickness  5 / 16!!  5 / 16!!  4 Hemispherical  Radius  describe other fastenings  wable working pressure  F. Hydrostatic,  eted for all vessels where  mber  Diam.  Number or Size	Girth DBL  Corrosion Allowance  -00-  Signature  F.V.&90ps  e applicable Size  Type  Mater	ft 2 R.T. SPO  BUTT (Welde  b) Material Crown Radius  6611 Flat Diameter  (Material, Spe ii at max temp. test pre:	in.  Tot or Full)  d, Dbl., Sngl, Lap,  (Spec. No. Knuckle Radius)  6% 6% (Conve)  CONCAV  CONCAV  CONCAV  CONCAV  Location I	Butt)  316 o., Grade)  Elliptical Ratio  to Pressure x or Concave)  E & CONV  E & CONV  O psi.  N SYSTEN  ement How rial Attache
15. 16.	H.T. Temp  R.T. PARTIAL (Spot, Partial or (Top, Bottom, Ends)  Location (Top, Bottom, Ends)  Conical Apex Angle  (a) (b)  If removable, bolts used ( Constructed for max. allor less than -20 F)  Items below to be compiled. Safety Valve Outlets: Nur. Nozzles: Purpose (Inlet, Outlet, Drain)  JKT • IN & OU PROCESS	Welded, Dbl, Sngl, L  F Time  No. of course  (Spec. No., Grade  Minimum  Thickness  5 / 16!!  5 / 16!!  4 Hemispherical  Radius  describe other fastenings  wable working pressure  F. Hydrostatic,  eted for all vessels where  mber  Diam.  Number or Size	Girth DBL  Corrosion Allowance  -00-  Signature  F.V.&9 Ops  Papplicable Size  Type Mater	ft 2 R.T. SPO  BUTT (Welde  b) Material Crown Radius  6611 Flat Diameter  (Material, Spenial at max temp. test presented	in.  Tot or Full)  d, Dbl., Sngl, Lap,  (Spec. No. Knuckle Radius)  6% 6% (Conve)  CONCAV  CONCAV  CONCAV  CONCAV  Location I	Butt)  316 o., Grade) Elliptical Ratio  to Pressure x or Concave)  E & CON\ E & CON\ O psi.  N SYSTEN  ement How
15. 16.	H.T. Temp  R.T. PARTIAL (Spot, Partial or (Top, Bottom, Ends)  Location (Top, Bottom, Ends)  (a) TOP (b) BOTTOM  Conical Apex Angle  (a) (b)  If removable, bolts used ( Constructed for max. allor less than -20 F)  Items below to be comple. Safety Valve Outlets: Nur. Nozzles: Purpose (Inlet, Outlet, Drain)  JKT.IN & OU  PROCESS PROCESS	Welded, Dbl, Sngl, L  F Time  No. of course  (Spec. No., Grade  Minimum  Thickness  5 / 16!!  5 / 16!!  4 Hemispherical  Radius  describe other fastenings  wable working pressure  F. Hydrostatic,  eted for all vessels where  mber  Diam.  Number or Size  JT 6 2!! C.	Girth DBL  Corrosion Allowance  -00-  Signature  F.V.&90ps  e applicable Size  Type  Mater	ft 2 R.T. SPO  BUTT (Welde  b) Material Crown Radius  6611 Flat Diameter  (Material, Speid at max temp. test presented test pr	in.  Tot or Full)  d, Dbl., Sngl, Lap,  (Spec. No. Knuckle Radius)  6% 6% (Conve)  CONCAV  CON	Butt)  316 o., Grade)  Elliptical Ratio  to Pressure x or Concave)  E & CONV  E & CONV  O psi.  N SYSTEN  ement How rial Attache
17. 18. 19.	H.T. Temp  R.T. PARTIAL (Spot, Partial or (Top, Bottom, Ends)  Location (Top, Bottom, Ends)  Conical Apex Angle  (a) (b)  If removable, bolts used ( Constructed for max. allor less than -20 F)  Items below to be compiled. Safety Valve Outlets: Nur. Nozzles: Purpose (Inlet, Outlet, Drain)  JKT • IN & OU PROCESS	Welded, Dbl, Sngl, L  F Time  No. of course  (Spec. No., Grade Minimum Thickness  5/16!!  5/16!!  5/16!!  4Hemispherical Radius  describe other fastenings wable working pressure  F. Hydrostatic, eted for all vessels where mber  Diam. Number or Size  JT 6 2!!  7 6!!  2 4! 6!!  1 12!!  F.	Corrosion Allowance  -001  F. V. & 9 Ops  a applicable Size  Type  Mater OUP - T31 LG - SA18	ft 2 R.T. SPO  BUTT  (Welde  b) Material SPO  Crown Radius  66!!  66!!  Flat Diameter  (Material, Spe ii at max temp. test pre:  Nomii Thickn  16 300  16 150  31-1 15	in.  Tot or Full)  d, Dbl., Sngl, Lap,  (Spec. No. Knuckle Radius)  6% 6% Side (Conve)  CONCAV  CONCAV  CONCAV  CONCAV  Location I  nal Reinforce ess Mater  0 #  ANSI  4NSI  0 #ANSI	Butt)  316 o., Grade)  Elliptical Ratio  to Pressure x or Concave)  E & CONV  E & CONV  O psi.  N SYSTEN  ement How rial Attache
17. 18. 19.	H.T. Temp  R.T. PARTIAL (Spot, Partial or (Top, Bottom, Ends)  Location (Top, Bottom, Ends)  Conical Apex Angle  (a) (b)  If removable, bolts used ( Constructed for max. allor less than -20 F)  Items below to be comple. Safety Valve Outlets: Nur Nozzles: Purpose (Inlet, Outlet, Drain)  JKT.IN & OUPROCESS PROCESS PROCESS  Inspection Openings: Manholes No.	Welded, Dbl, Sngl, L F Time  No. of course (Spec. No., Grade Minimum Thickness  5/16!!  5/16!!  4Hemispherical Radius  describe other fastenings wable working pressure F. Hydrostatic, eted for all vessels where mber  Diam. or Size  JT 6 2!! C 7 6!! F 12!! F Size	Girth DBL  Corrosion Allowance  -00-  Signature  F.V.&90ps  Papplicable Size  Type  Mater  OUP - T31  AD T31  LG SA18  2011	ft 2 R.T. SPO  BUTT  (Welde  b) Material Crown Radius  6611  Flat Diameter  (Material, Spenial at max temp. test presented in the control of	in.  Tot or Full)  d, Dbl., Sngl, Lap,  (Spec. No. Knuckle Radius)  6% 6% Side (Conve)  CONCAV  CONCAV  CONCAV  CONCAV  Location I  nal Reinforce ess Mater  0 #  ANSI  4NSI  0 #ANSI	Butt)  316 o., Grade)  Elliptical Ratio  to Pressure x or Concave)  E & CONV  E & CONV  O psi.  N SYSTEN  ement How rial Attache
17. 18. 19.	H.T. Temp  R.T. PARTIAL (Spot, Partial or (Top, Bottom, Ends)  Location (Top, Bottom, Ends)  Conical Apex Angle  (a) (b)  If removable, bolts used ( Constructed for max. allor less than -20 F)  Items below to be comple. Safety Valve Outlets: Nur. Nozzles: Purpose (Inlet, Outlet, Drain)  JKT.IN & OUPROCESS PROCESS PROCESS  PROCESS Inspection Openings: Manholes No	Welded, Dbl, Sngl, L F Time  No. of course (Spec. No., Grade Minimum Thickness  5 / 16!!  5 / 16!!  5 / 16!!  4 Hemispherical Radius  describe other fastenings wable working pressure  F. Hydrostatic, eted for all vessels where mber  Diam. or Size  JT 6 2!!  7 6!!  1 12!!  Size  Size  Size	Corrosion Allowance  -001  F. V. & 9 Ops  a applicable Size  Type  Mater  OUP - T31 AD T31 LG SA18	ft 2  R.T. SPO  BUTT  (Welde  b) Material SPO  Crown Radius  6611  Flat Diameter  (Material, Spe ii at max temp. test pre- iial Nomiii Thickn  16 300 16 150 150 151 Location To	in.  Tot or Full)  d, Dbl., Sngl, Lap,  (Spec. No. Knuckle Radius)  6% 6% Side (Conve)  CONCAV  CONCAV  CONCAV  CONCAV  Location I  nal Reinforce ess Mater  0 #  ANSI  4NSI  0 #ANSI	Butt)  316 o., Grade)  Elliptical Ratio  to Pressure x or Concave)  E & CONV  E & CONV  O psi.  N SYSTEN  ement How rial Attache
17. 18. 19.	H.T. Temp  R.T. PARTIAL (Spot, Partial or Heads: (a) Material  Location (Top, Bottom, Ends)  (a) TOP (b) BOTTOM  Conical Apex Angle  (a) (b)  If removable, bolts used ( Constructed for max. alloless than -20 F)  Items below to be comple. Safety Valve Outlets: Nui. Nozzles:  Purpose (Inlet, Outlet, Drain)  JKT IN & OUPROCESS  PROCESS  PROCESS  Inspection Openings: Manholes No.  Threaded No.  Supports: Skirt	Weided, Dbl, Sngl, L  F Time  No. of course  A2 40 T 316  (Spec. No., Grade Minimum Thickness  5 / 16 11  5 / 16 11  Hemispherical Radius  describe other fastenings wable working pressure F. Hydrostatic, eted for all vessels where mber  Number  Diam. or Size  JT 6 2 11  Z 4 1 6 11  P 1 12 11  Size Size Size Lugs	Applicable Size  Type  Mater  OUP - T31  LG SA18  2011	ft 2  R.T. SPO  BUTT  (Welde  b) Material Sequence  Crown Radius  6611  Flat Diameter  (Material, Special at max temp. test presented test pr	in. Tot or Full)  d, Dbl., Sngl, Lap,  (Spec. N Knuckle Radius  6% 6% (Convey)  CONCAV CONCAV  CONCAV	Butt)  316 o., Grade)  Elliptical Ratio  to Pressure x or Concave)  E & CONV E & CONV O psi.  N SYSTEN  ement How rial How Attache WELDED WELDED WELDED WELDED GUSSETS
17. 18. 19.	H.T. Temp  R.T. PARTIAL (Spot, Partial or (Top, Bottom, Ends)  Location (Top, Bottom, Ends)  Conical Apex Angle  (a) (b)  If removable, bolts used ( Constructed for max. allor less than -20 F)  Items below to be comple. Safety Valve Outlets: Nur. Nozzles: Purpose (Inlet, Outlet, Drain)  JKT.IN & OUPROCESS PROCESS PROCESS  PROCESS Inspection Openings: Manholes No	No. of course  No. of course  A 2 40 T 3 16  (Spec. No., Grade Minimum Thickness  5 / 16 11  5 / 16 11  Hemispherical Radius  describe other fastenings wable working pressure F. Hydrostatic, eted for all vessels where mber  Number  Diam. or Size  JT 6 2 11  Z 4 1 6 11  T 5 2 1 5 12  Size Size Lugs	Ap, Butt) Girth DBL  SS  Corrosion Allowance  -00- I  SS  Property Mater  OUP - T3 I  AD T3 I  LG SA18  20 II  Legs  (No  (Where si	ft 2 R.T. SPO (Sep. (Welder SPO) (Welder SPO	in.  Tot or Full)  d, Dbl., Sngl, Lap,  (Spec. N Knuckle Radius  6% 6% (Convex)  CONCAV CONCAV  CONCAV	Butt)  316 o., Grade)  Elliptical Ratio  to Pressure x or Concave)  E & CONV  E & CONV  O psi.  N SYSTEN  ement How rial Attache