

114306

FORM U-1 MANUFACTURERS DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules Section VIII Division 1

1 Manufacturer by **The Pfandler Company, Rochester, New York, U.S.A.**
2 Manufacturer for **American Hoechst Corp., Coventry, RI**
3 Location of installation **American Hoechst Corp., Coventry, RI**
4 Type **Vertical** Vessel No. **R180-0056** NA **TYPE-0056** 40343 Vess. D. # **1980**
5 The chemical and physical properties of all parts meet the requirements of material specifications of the ASME Code and Pressure Vessel Code. The design, construction and workmanship conform to ASME Code Section VIII Division 1 and Addenda to 12-31-79 and Code Case no. **C888 1251** Special service per UG 120(d) NA 0

Manufacturers Partial Data Reports properly identified and signed by Commissioned inspectors have been furnished for the following items of the report
NA
NA

6 Shell Material **SA 515 UR. 65** 1/8" in. Corrosion Allowance **0** in. **5.6** in. Length **6.8** in.
7 Seams Longitudinal Type **01, Table UW-12** at **NO** efficiency **70** in. at Temp **NO**
Type **NA** Circ. Type **01, Table UW-12** at **NO** efficiency **70** in. at Temp **NO**
8 Heads 1st Material **SA 515 UR. 65** 1/8" in. Corrosion Allowance **0** in. **5.6** in. Length **6.8** in.

Location (Top Bottom Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Chamfer Radius	Chamfer Angle
Bottom	7/16"	None	66"	4"	None
NA	NA	NA	NA	NA	NA
Chamfer Angle	Chamfer Radius	Chamfer Radius	Chamfer Radius	Chamfer Radius	Chamfer Radius
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA

9 Reinforcement, both used elsewhere other than...
10 Type of Jacket **UA-101 Type 5** Jacket Closure **UA-104 (b-2)** 1/8" in. Corrosion Allowance **0** in. **5.6** in. Length **6.8** in.
11 Constructed for max. alternate working pressure **155** psi. Items 12 and 13 not applicable.

12 Tables Material **SA 515 UR. 65** 1/8" in. Corrosion Allowance **0** in. **5.6** in. Length **6.8** in.
13 Tables Material **SA 515 UR. 65** 1/8" in. Corrosion Allowance **0** in. **5.6** in. Length **6.8** in.

14 Shell Material **SA 515 UR. 65** 1/8" in. Corrosion Allowance **0** in. **5.6** in. Length **6.8** in.
15 Seams Longitudinal Type **01, Table UW-12** at **NO** efficiency **70** in. at Temp **NO**
Type **01, Table UW-12** at **NO** efficiency **70** in. at Temp **NO**
16 Heads 1st Material **SA 515 UR. 65** 1/8" in. Corrosion Allowance **0** in. **5.6** in. Length **6.8** in.

Location (Top Bottom Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Chamfer Radius	Chamfer Angle
Top	11/16"	None	None	None	None
Bottom	7/16"	None	66"	4"	None
NA	NA	NA	NA	NA	NA
Chamfer Angle	Chamfer Radius	Chamfer Radius	Chamfer Radius	Chamfer Radius	Chamfer Radius
NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA

17 Tables Material **SA 515 UR. 65** 1/8" in. Corrosion Allowance **0** in. **5.6** in. Length **6.8** in.

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Pfautler Order No. R1800056 Form 101 (Rev. 1-65) Custom Order No. NA

17 Constructed for max. allowable working pressure
Hydrostatic pressure distribution test press.

Items below to be completed for all vessels where a
18 Safety valve Outlet Number Over pressure: not to be installed in connecting piping.

19 Nozzles

Purpose (Inlet, Outlet, Drain)	Number	Size or Dia.	Type	Material	Working Pressure	Manufacturer's Material	Mark Applied
Inlet	7	2" 5/8"	L.J. Flg.	Case 125	1500	Integral	W
Outlet	1	8"	L.J. Flg.	Case 125	1500	Integral	W
Drain	1	4-1/8"	L.J. Flg.	Case 125	1500	Integral	W

20 Inspection Openings

Manholes No 1 Size 30" Location Top Head

Handholes No 0 Size NA Location NA

Threaded No 12 Size 1/2"-1-1/2"-2"-3" Location Jacket shell and head.

21 Supports Bolt No 4 Legs 4 Size 1/2" Dia. Base attached welded to 1st shell

22 Remarks 1000 gal. Jacketed glassed steel vessel for chemical service.

CERTIFICATE OF 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.

Date 8-25-80 Signed The Pfautler Company

"U" Certificate of Authorization No. 408

By *John F. ...*
Signature 12-31 1982

CERTIFICATE OF SHOP INSPECTION

Vessel made by The Pfautler Company Rochester, New York

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors under the State of New York and employed by H. E. B. I. & I. Co. of Hartford, Conn. have inspected the pressure vessel described in the Manufacturers Data Report of 8-25-80 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 the engineer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manufacturers Data Report. Furthermore, neither the inspector nor the engineer 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 8-26-80
Signed *Paul B. Miller*
Inspector

Commissioner H. E. 00630
State Board Boiler Inspectors and Co.

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.

Date Signed Manufacturer By Representative

"U" Certificate of Authorization No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

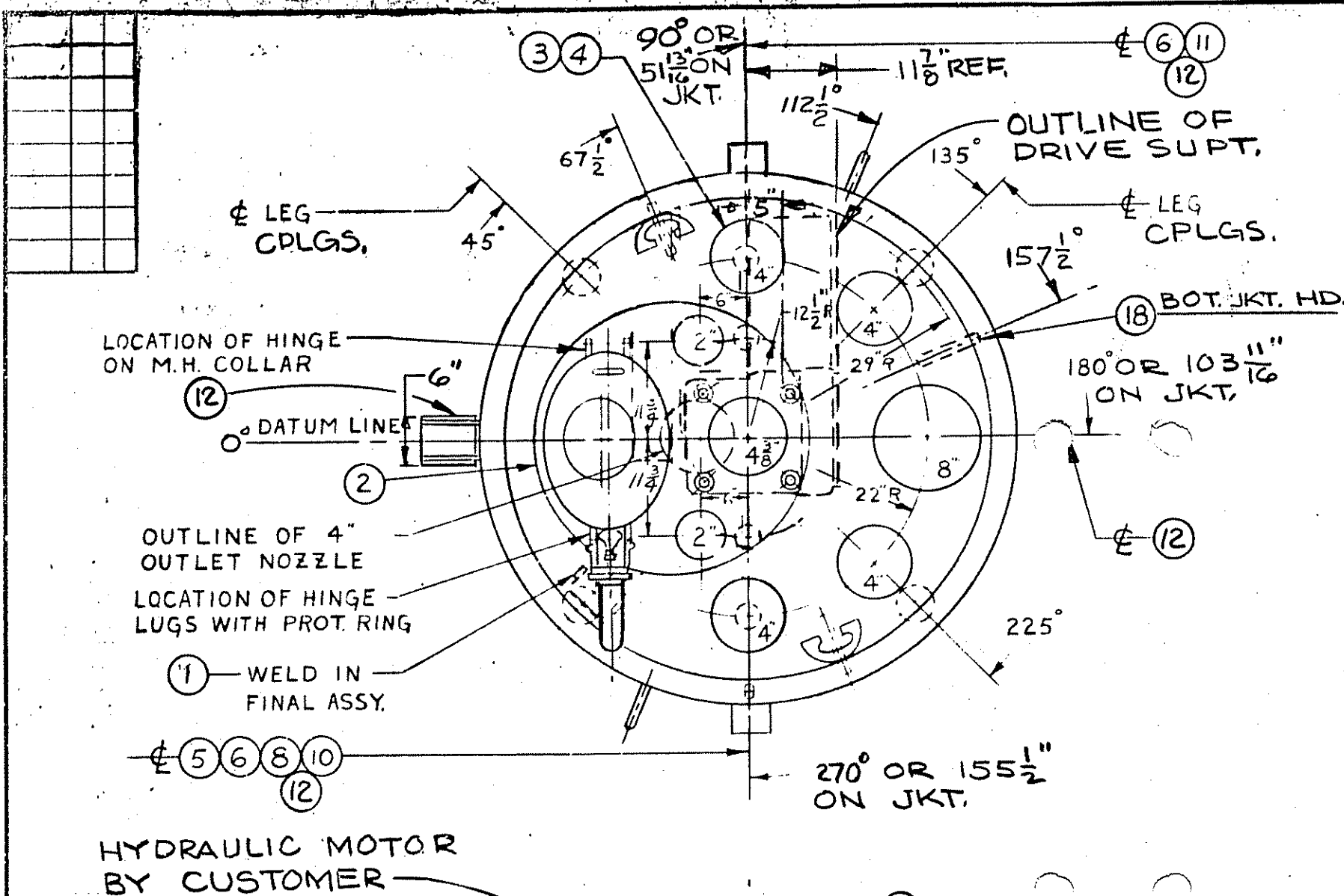
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors under the State of New York and employed by

have compared the statements in the Manufacturers Data Report with the described pressure vessel and state that both referred to in this report are included in the certificate of shop inspection, have been reported by me and that to the best of my knowledge and belief the Manufacturer has constructed and assembled the pressure vessel in accordance with ASME Code, Section VIII Division 1.

The described vessel was inspected and submitted to a hydrostatic test of

By signing this certificate neither the inspector nor the engineer makes any warranty, expressed or implied, concerning the pressure vessel described in the Manufacturers Data Report. Furthermore, neither the inspector nor the engineer 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.

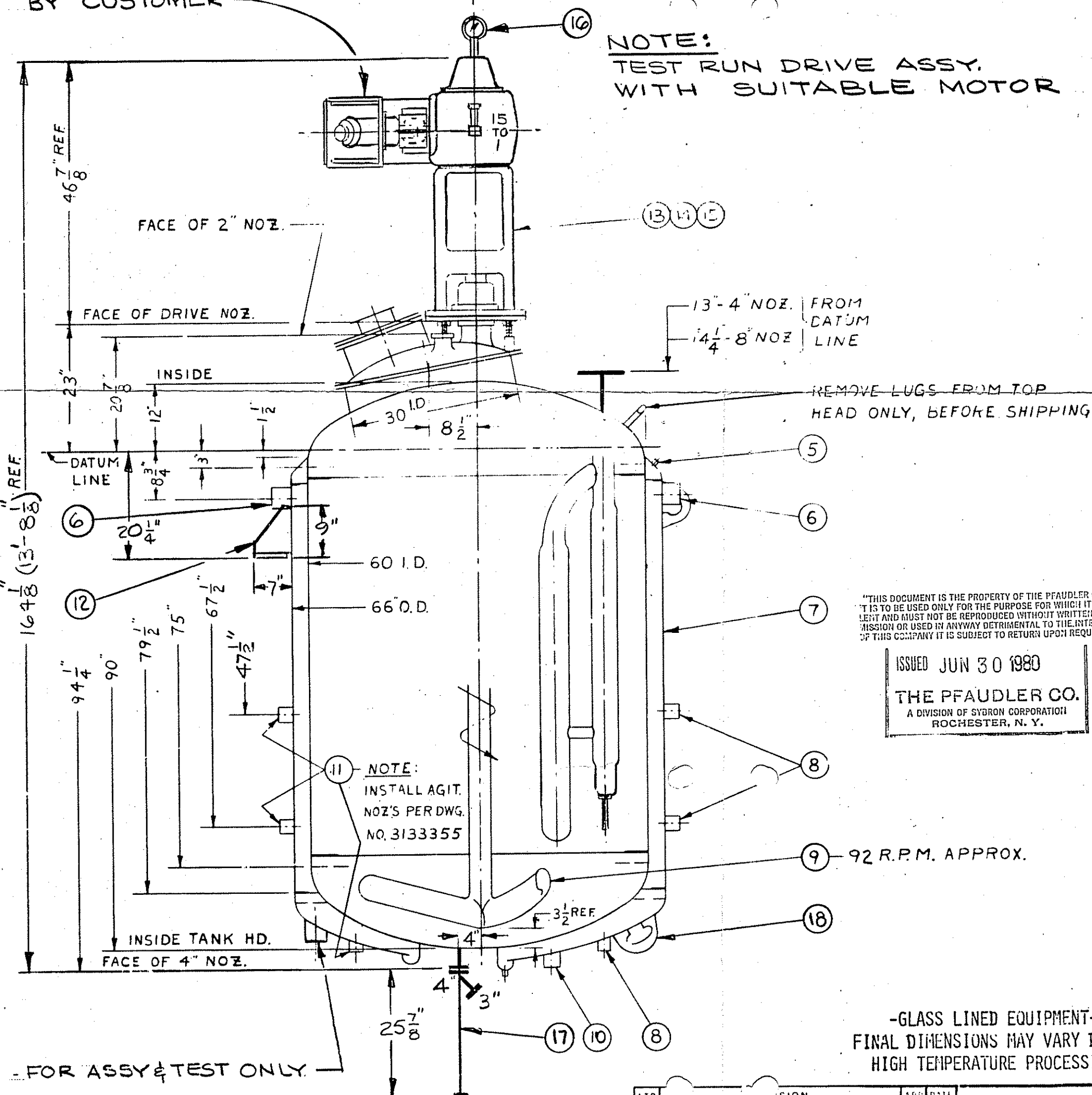
Date Signed
Inspector
Commissioner
State Board Boiler Inspectors and Co.



REF. NO.	NO. REQ'D.	PART NO.	PER DWG. NO.	DESCRIPTION
1	4	3106780	3106780	NAMEPLATE
2	1	3144114	3141575	COVER ASSY 30" x 14" x 18" SG SPRGAL M.H.
3	1	4000774	4000774	BAF, "H" NUC. STRUT, REST. IIP, REMTANT
4	1	3127895	3127895	GUIDE & STUFF BOX ASSY FOR BAFFLE
5	1	1603617		PLUG, 3000#, 1/2"
6	2	1604135		PLUG, 3"
7	1	3142013	3142013	JCW, 60" x 72"
8	3	1603952		PLUG, 1 1/2"
9	1	3135090	135080	AGIT, 44" SPAN, 3 BL.
10	1	1604116		PLUG 2"
11	3	1130041	1130041	NOZ AGIT, 1 1/2"
12	4	3133537	3133537	SUPT., SIDE
13	1	4000939	4000939	DRIVE ASSY 5 RWP-V0
14	1	3512641	3512640	LUGS, R.H.
15	1	3512685	3512320	PEDESTAL & SEAL ASSY, 3 1/2" NUC. SEAL, LH
16	1	3137071	3137066	TACH. ASSY, 0-200 RPM
17	1	2109048	2109029	VALVE, FL, GL, W/LIN-E-AIRE ACT, GL, CL 150" 4" x 3"
18	1	3118136	3118136	LUG HOIST

HYDRAULIC MOTOR
BY CUSTOMER

NOTE:
TEST RUN DRIVE ASSY.
WITH SUITABLE MOTOR



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LENT AND MUST NOT BE REPRODUCED WITHOUT WRITTEN PER-
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OF THIS COMPANY IT IS SUBJECT TO RETURN UPON REQUEST."

ISSUED JUN 30 1980

THE PFAUDLER CO.
A DIVISION OF SYBRON CORPORATION
ROCHESTER, N. Y.

-GLASS LINED EQUIPMENT-
FINAL DIMENSIONS MAY VARY DUE TO
HIGH TEMPERATURE PROCESSING.

BASE MATERIAL		
VESSEL SA-285, GR. C		
JACKET SA-515, GR. 65		
SEALER SA-515, GR. 65		
THICKNESSES	TANK	JKT.
HD. - TOP	11/16"	—
HD. - BOT.	5/8	7/16"
SHELL	11/16"	3/8"
SEALER	—	3/8"
DESIGN & INSPECTION		
SPECIFICATION	TANK	JKT.
ASME CODE	YES	YES
DESIGN & STAMP		
DESIGN PRESS. PSI	100 /FV	90 /90*
DESIGN TEMP. °F	650	450
HYDRO TEST PSI	100	135
RADIOGRAPH	NO	NO
HEAT TREAT SPEC. NO.		
SEE OPERATING LIMITATIONS INSTALLATION, MAINTENANCE INSTRUCTIONS, MANUAL# IMBI-100		
* WITH FULL VACUUM IN VESSEL		
VESSEL FINISH & ACCESSORY MAT'L'S.		
VESSEL 5015/5015		
ACCESSORIES AS SPECIFIED		
PLUGS TANTALUM		
FILLER FURAN		
GASKETS CRT	REFERENCES	
PAINT PFAUDLER BLUE	AE-7049	
PER DATA SH*110	3142058	
CAP. RATED 1,000 GAL.		
CAP. FULL 1,125 GAL.		
WT. UNJKTED 5,000#		
WT. JKTED 7,350#		
WT. ACC'S. 9,900#		
	PC 18.1	
TITLE RA-60-1000 REACTOR 60" x 72" JCWVA		
CUSTOMER AMERICAN HOECHST COVENTRY, RI.		
ADDRESS		
CONSIGNEE AM. HOECHST/RI, WKS.		
ADDRESS COVENTRY, RI.		
CUST. ORDER NO. R140084		

ALL TANK NOZZLES FURNISHED WITH LOOSE SPLIT FLG. 150 LB. ANS
DRILLING

WORK FROM DIMENSIONS - DO NOT SCALE

SEE PLAN VIEW FOR ORIENTATION

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LTR.	REVISION	APP.	DATE

PFAUDLER
SYBRON CORPORATION

plants in Elmira, Ohio and Rochester, New York

SCALE 3/4" = 1' - 0"
DRAWN AD DATE 4-18-80
CHECKED F.S. DATE 4-26-80
APPROVED & CERTIFIED L.A.B./K/I DATE 6-27-80

NO. REQ'D.
1
R180-0056
SHEET OF

17 11 8.5 3.5 11 17 114306