



FILE COPY
DATE: SEP 13 1974

CAPACITY	A	B	C	D	E	GA. METAL		LEGS		FLANGE
						WALL	HEAD	NO.	SIZE	
20 GAL.	19 1/2	17 1/4	18	36 1/4	1	18	18	3	1 1/2"	1"
100 "	30	35	18	56 1/2	3 1/2	16	16	3	2"	1"
120 "	30	41	18	62 1/2	3 1/2	16	16	3	2"	1"
170 "	38	35	17 1/2	56 1/2	4	16	16	3	2"	1"
230 "	38	47	17 1/2	68 1/2	4	16	16	3	2"	1"
320 "	44	47	16 1/2	68 1/2	5	16	16	3	2"	1"
315 "	42	53	17 1/2	74 1/2	4	16	16	3	2"	1"
475 "	48	59	16	80 1/2	5 1/2	16	16	4	2"	1"
465 "	49 1/2	55	16	76 1/2	5 1/2	16	16	4	2"	1"
560 "	52	58 1/2	16	80 1/2	5 1/2	16	16	4	2"	1 1/2"
550 "	49 1/2	65	16	86 1/2	5 1/2	16	16	4	2"	1"
700 "	61	52 1/2	15 1/2	74 1/2	6	14	14	4	2"	1 1/2"
690 "	62	49 1/2	15 1/2	71 1/2	6	14	14	4	2"	1 1/2"
775 "	61	58 1/2	15 1/2	80 1/2	6	14	14	4	2"	1 1/2"
800 "	62	58 1/2	15 1/2	80 1/2	6	14	14	4	2"	1 1/2"
1000 "	66	70 1/2	15 1/2	91 1/2	6	12	12	5	2"	1 1/2"
1360 "	76 1/2	70	14 1/2	91 1/2	7	12	12	5	2"	2"
1660 "	76 1/2	82	14 1/2	103 1/2	7	12	12	5	2"	2"

MATERIAL: _____

REVISIONS:

STARCO
STAINLESS

SCALE: _____

DRAWN BY: C. BEGROW

CHKD BY: _____

DATE: 6-27-74

NAME: STANDARD 20 TO 1600 GALLON OVF TANKS

DRAWING NUMBER: AV-3684-R-24186

REDRAWN DIFFERENT SCALE: _____

PROCESS EQUIPMENT Corporation
500 REED STREET, BELDING, MICHIGAN 48809

**FORM U-3 MANUFACTURERS' CERTIFICATE OF COMPLIANCE COVERING
PRESSURE VESSELS TO BE STAMPED WITH THE UM SYMBOL**

[See Par. U-1(h)]

1. Manufactured by Lee Metal Products Company Phillipsburg, PA 16856
(Name and address of Manufacturer)

2. Manufactured for The Pfaudler Company Taylor Street Elyria, OH 44035
(Name and address of Purchaser)

3. Type Vertical Pressure Vessel No. A-3106-A Year built 1974
(Horizontal or Vertical) (Mrs. Serial No.) (State and State No.)

4. Do the chemical and mechanical properties of all materials meet the requirements of the Code? Yes

5. Shell or Drums: No. 1 Diameter 2 Ft. --- In. Length over-all --- Ft. --- In. Height --- Ft. --- In.
(Or Width)

6. Markings on shell plates None Rivets, stays, and braces Welded (Iron or Steel) Welded
(Fig. or F.B. & Spec. Min. T.S.)

7. Shell Plates .078 In. Butt straps --- In. Styles of seams: Longitudinal Dbl. Butt Girth Dbl. Butt
(Outer) (Thickness) (thickness) (Riveted, Forge Welded, Brazed, or Welded - Type of Joint)

8. Diameter of rivet holes --- In. Pitch of rivets --- x --- x --- Efficiency of joint 70 %

9. Girth Joints --- Diameter of rivet holes --- In. Pitch of rivets --- In. No. of courses ---
(Single or Double Riveted) Welded Dbl. Welded Dbl.

10. Inner Shell .187 In. Style of seams; Longitudinal Butt Girth Butt Length of section of course --- Ft. --- In.
(Thickness) (Riveted, Forge Welded, Brazed, or Welded - Type of Joint)

11. Heads: Flat or dished 187 In. Radius of dish 24" In. Side to pressure Concave
(Thickness) (Concave or Convex)

If removable, bolts used --- or method of fastening ---
(Number and Size) (Describe or Sketch)

12. Staybolts --- If hollow --- 13. Maximum pitch --- x --- Diameter --- In.
(Iron or Steel) (Size of Hole) (Horizontal) (Vertical) (Over the Threads)

14. Safety Valve Outlets: No. 1 Size Safety Valve To Be Installed On Piping
Assembly By Customer

15. Have the welders and the welding procedure been qualified in accordance with Code requirements? Yes

16. Drain Connection 3/4 In. Hand Holes or Sight Holes 40 Jacket (Number, Size, and Location)
(Size)

17. Constructed for maximum allowable working pressure 25 Int. psi at 300 F.
83 Jacket
Hydrostatic test 38 Int. psi.

Remarks: Steam Jacketed Tank W/Dished Head and Internal Pressure
(Vessel to be used for air, gas, ammonia, etc.)

We certify the above data to be correct and except for the omission of shop inspection that all details of material and construction and workmanship of this unfired pressure vessel conform to the ASME Pressure Vessel Code, Section VIII, Division I,

Date 11/27 19 74 Signed Lee Metal Products Co. by Nathan W. Myers
(Manufacturer)

BILL OF MATERIAL

REVISIONS

ITEM NO. NO. RECD	P. NO.	DESCRIPTION	MATERIAL	SIZE
1	1	TANK WALL	304 SS #4	18GA X 29" X 21 7/8"
2	1	FLAT BOTTOM	" " "	18GA X 20 1/32" DIA BLK
3	1	HALF NIP OUTLET	" " "	1" I.P.S. X 1/2 LG.
4	3	NIP ASSEMBLIES	304 SS #4	1/2"
5	3	PIPE LEGS	C.S. ^{PAINT} ALUM.	1/2" 1/2" X 20 7/8" LG.
6	6	SET SCREWS	STL. C. PLD.	7/8" - 16 X 3/8 LG.
7	3	BALL FEET	C.S. ^{PAINT} ALUM.	1/2"
8	1	NAME PLATE	STD.	PERMA-SAN
9	1	5-22 COVER	304 S.S. #4	20GA X 2 1/4 DIA. BLK
A	1	HANDLE	" " "	16GA X 3 1/32 X 7"

DATE: 1-16-74	CUSTOMER: PEAUDLER CO.
SHEET NO: 1 OF 1	OUR ORDER NO: 24186
DRAWING NO: AY-36247	DESCRIPTION: 60 GALLON OVE TANK 1-R

24186