

DETAIL "B"  
PIPE SUPPORTS (3/8" THK.)

**DANGER**  
PFAUDLER LETHAL SERVICE VESSEL  
THIS VESSEL HAS BEEN DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH REQUIREMENTS OF THE ASME BOILER AND PRESSURE VESSEL CODE FOR USE IN LETHAL SERVICE. IT IS THE RESPONSIBILITY OF THE USER TO LOCATE AND INSTALL THE EQUIPMENT AND TO PROVIDE SAFETY AND WARNING DEVICES WHICH SAFEGUARD THE LETHAL SERVICE OPERATION

GROUNDING CLIP 2 1/2" X 2 1/2" X 1/2" THK. WITH 9/16" DIA. HOLE

DETAIL "A"

*A 11745*

BASE MATERIAL		
	VESSEL	JACKET
TOP HEAD	SA-516 GR 65	---
BOTTOM HEAD	SA-516 GR 65	---
SHELL	SA-516 GR 65	---
SEALER	---	---
THICKNESS		
	VESSEL	JACKET
TOP HEAD (MIN)	.875" F&D	---
BOTTOM HEAD (MIN)	.875" F&D	---
SHELL (NOM)	7/8"	---
SEALER (MIN)	---	---
DESIGN & INSPECTION		
SPECIFICATION	VESSEL	JACKET
ASME CODE DESIGN & STAMP	YES	---
MAINT PSL	35/FY	---
DESIGN TEMP. (MAX.) °F	400	---
MIN DESIGN METAL TEMP °F	-20	---
HYDROTEST PRESS. PSL	NOTE #6	---
RADIOGRAPH	FULL	---
CORROSION ALLOWANCE	NO	---
SEE OPERATING LIMITATIONS, INSTALLATION & MAINTENANCE INSTRUCTIONS MB1-100 FOR INSTALLATION IN AREAS SUBJECT TO NO WIND LOAD AND SEISMIC ZONE 1(UBC) SPECIFIC GRAVITY OF VESSEL CONTENTS NOT TO EXCEED 1.4 FV = FULL VACUUM		
CUSTOMER:	RHONE POULENC	
ADDRESS:	DURHAM, NC	
CONSIGNEE:	RHONE POULENC	
ADDRESS:	INSTITUTE, WV	
CUST. ORDER NO.:	IND13004	
CUST. TAG NO.:	6395-29430	
TITLE:	CV101-5600-35 5600 GALLON 101" ID X 146" STR SIDE	
Pfaudler Inc. Rochester, NY		
DRAWING NO.	SHEET	REV
R981215	1	C

VESSEL FINISH & ACCESSORY MATERIALS		DRAWN	RMZIMMERMAN	6/5/98
9119 (NOTE #4)		CHECKED	RMZ/BA	6/5/98
SEE ORDER SPEC DATA SHEET		APPROVED	BLAVANT	6/22/98
NONE (PLUG FREE)		SCALE:	5/8" = 1'-0"	
NC/VE		USED ONE:		
CR STYLE NS		REF:		
STANDARD AMERLOCK EPOXY 400 BL-5 PER D.S. 61-200 (HORIZON BLUE)		ORDER NO.	R001611	
JED 5500 GAL	WT. UNJKT'D 18,610 LBS.	JOB NO.	J022548	
LL 5945 GAL	WT. JKT'D --- LBS.	ITEM NO.	R981215	
	WT./ACC'S. 19,500 LBS.			

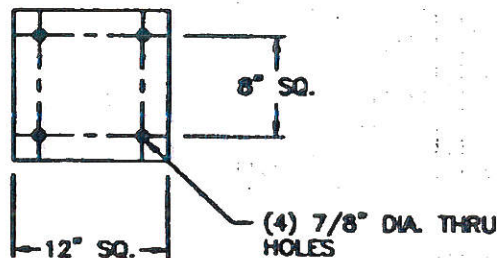
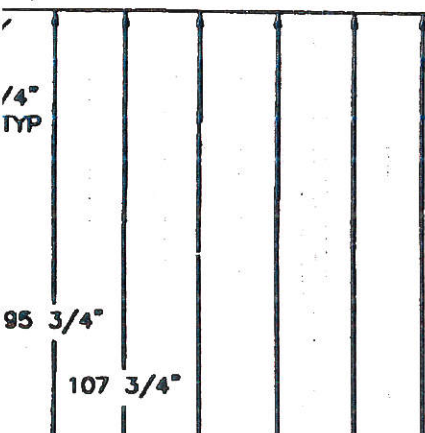
REF	SIZE	TYPE	DESCRIPTION
A	14" CL300	DRILLED	VAPOR OUTLET
B	3" CL300	SPLIT FLANGE	PRESSURE GAUGE
C1	3" CL300	SPLIT FLANGE	LIQUID INLET
C2	3" CL300	SPLIT FLANGE	LIQUID INLET
C3	3" CL300	SPLIT FLANGE	LIQUID INLET
C4	3" CL300	SPLIT FLANGE	LIQUID INLET
D	18" CL300	DRILLED	BOILER RETURN
E1	3" CL300	SPLIT FLANGE	LIQUID LEVEL
E2	3" CL300	SPLIT FLANGE	LIQUID LEVEL
E3	3" CL300	SPLIT FLANGE	LIQUID LEVEL
E4	3" CL300	SPLIT FLANGE	LIQUID LEVEL
F	8" CL300	SPLIT FLANGE	LIQUID INLET
G	3" CL300	SPLIT FLANGE	TEMPERATURE
G1	3" CL300	SPLIT FLANGE	PROCESS INLET
H	24"	"J" BOLT	MANWAY W/ GLASTEEL PLAIN COVER AND DAVIT
K1	3" CL300	SPLIT FLANGE	PROCESS INLET
K2	3" CL300	SPLIT FLANGE	PROCESS INLET
K3	3" CL300	SPLIT FLANGE	PROCESS INLET
K4	3" CL300	SPLIT FLANGE	PROCESS INLET

SEE PFAUDLER ORDER SPEC DATA SHEET FOR COMPLETE COMPONENT DESCRIPTION

NOTES:

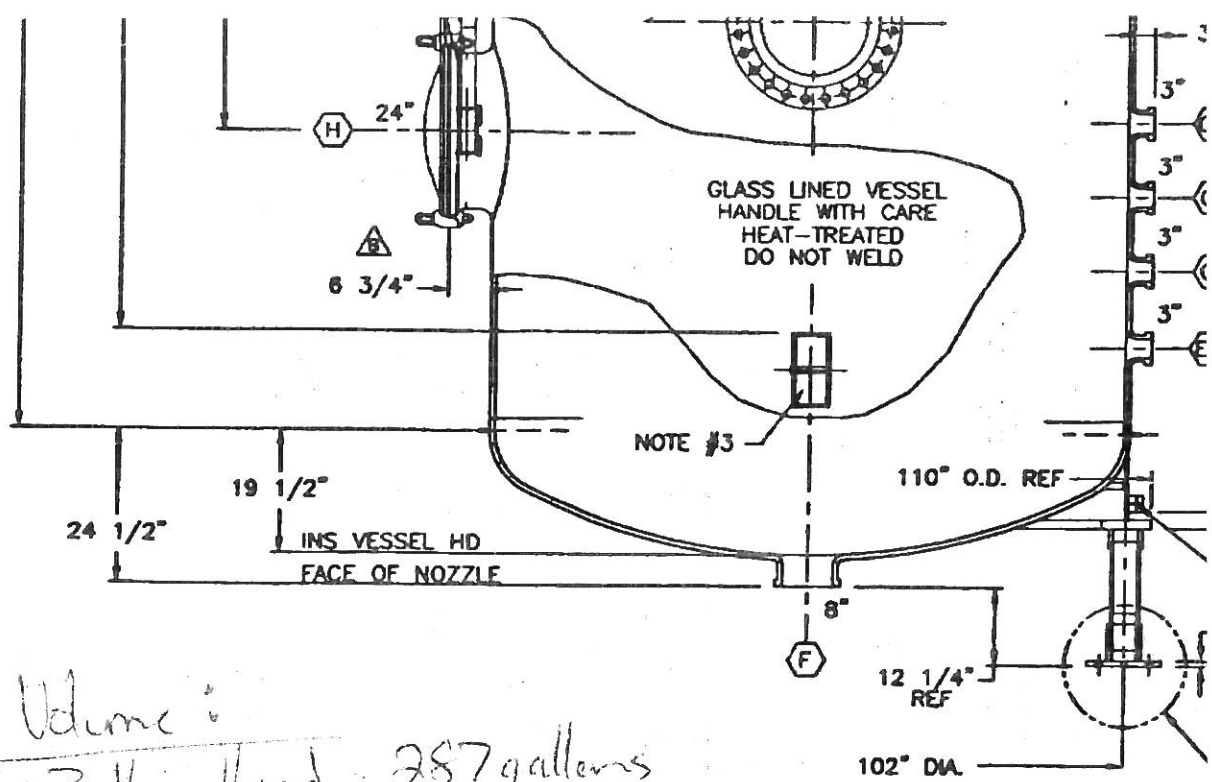
- 1.) PRESSURE RELIEF DEVICE(S) PER PAR. UG-125 OF ASME CODE, SECT. VIII DIV 1, MUST BE PROVIDED AND INSTALLED BY CUSTOMER.
- 2.) SHIPPED LOOSE:
  - BOTTOM OUTLET GASKET
  - ALL PROCESS NOZZLE GASKETS
  - COMPLETE SET OF SPARE GASKETS
  - LEGS AND LEG BASES
- 3.) BOLT HOLES TO STRADDLE PRINCIPLE VESSEL CENTERLINES.
- 4.) 9119 = 9115 BLUE GLASS, PLUG FREE, W/ 20KV TEST
- 5.) STENCIL THE FOLLOWING ONTO OPPOSITE SIDES OF VESSEL WITH 2" LETTERS:  
GLASS-LINED VESSEL HANDLE WITH CARE.  
HEAT-TREATED. DO NOT WELD.
- 6.) HYDROTEST PRESSURES:  
BEFORE GLASSING = 53 PSIG  
AFTER GLASSING = 35 PSIG
- 7.) SEGMENTS OF THE INSULATION SUPPORT MAY HAVE TO BE SHIPPED LOOSE FOR FIELD INSTALLATION BY CUSTOMER TO PROVIDE PROPER ACCESS TO HOIST TRUNNIONS.

SEE DETAIL "B"

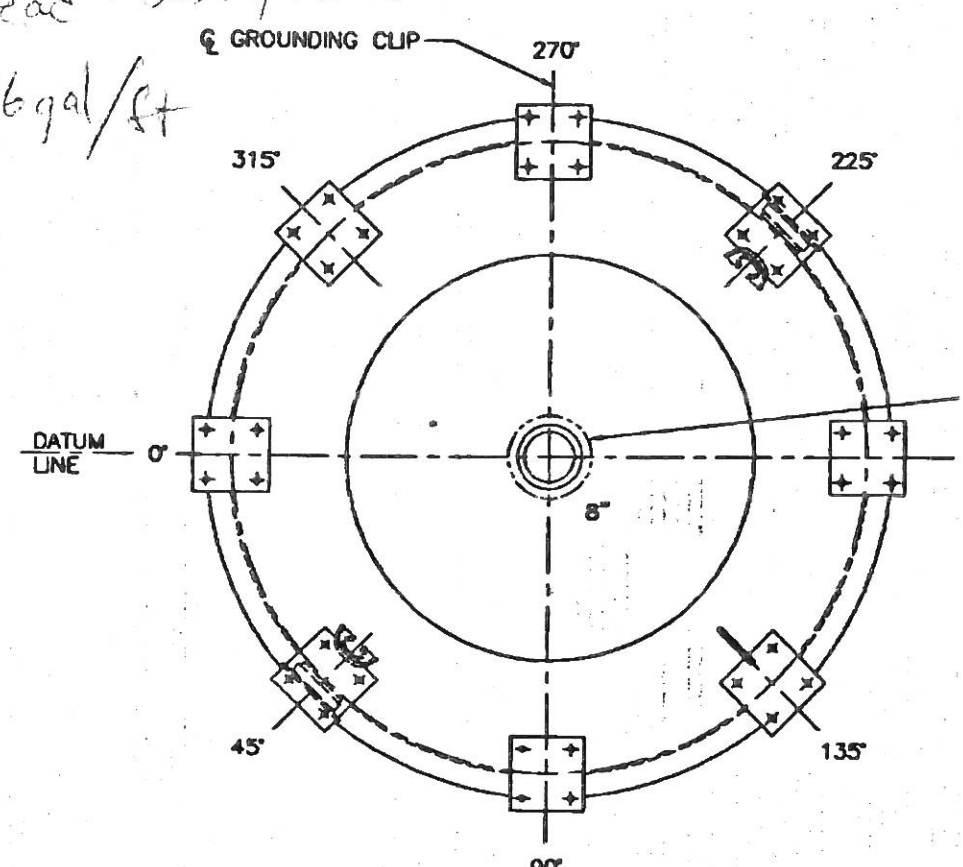


DETAIL "A"  
BASE PLATE SUPPORTS

10" (2) 7/8" DIA THRU



Volume:  
 Bottom Head - 287 gallons  
 Sl. Side 416 gal/ft



VESSEL AND/OR JACKET COMPONENTS WELDED IN ACCORDANCE WITH WELD PROCEDURES IN SECTION D-2-1.3.1 OF THE PSA & ROCHESTER WELDING MANUAL

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

LTR	REVISION	APP
A	PER CUSTOMER APPROVAL	BA 7/1
B	DIM WRS 3 3/4" & 5 3/16" ECH 533	BA 9/1
C	ADD LOOPS ON BOT HD, REMOVED	
	LOOPS FROM VSL SHELL, ECH 5588	2/2 11/1

UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES

DESIGNED IN ACCORDANCE WITH SECTION VII DIV. 1 OF THE ASME CODE INCLUDING REQUIREMENTS FOR GLASS-LINED VESSELS, & IF APPLICABLE, CUSTOMER SPEC'S, WITH PFAUDLER EXCEPTIONS

UNLESS OTHERWISE SPEC., ALL TANK NOZ. FURNISHED WITH SPLIT FLG'S (ANSI B16.5 BOLTING)

WORK FROM DIMENSIONS - DO NOT SCALE - SEE PLAN VIEW & BOTTOM VIEW FOR ORIENTATION

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