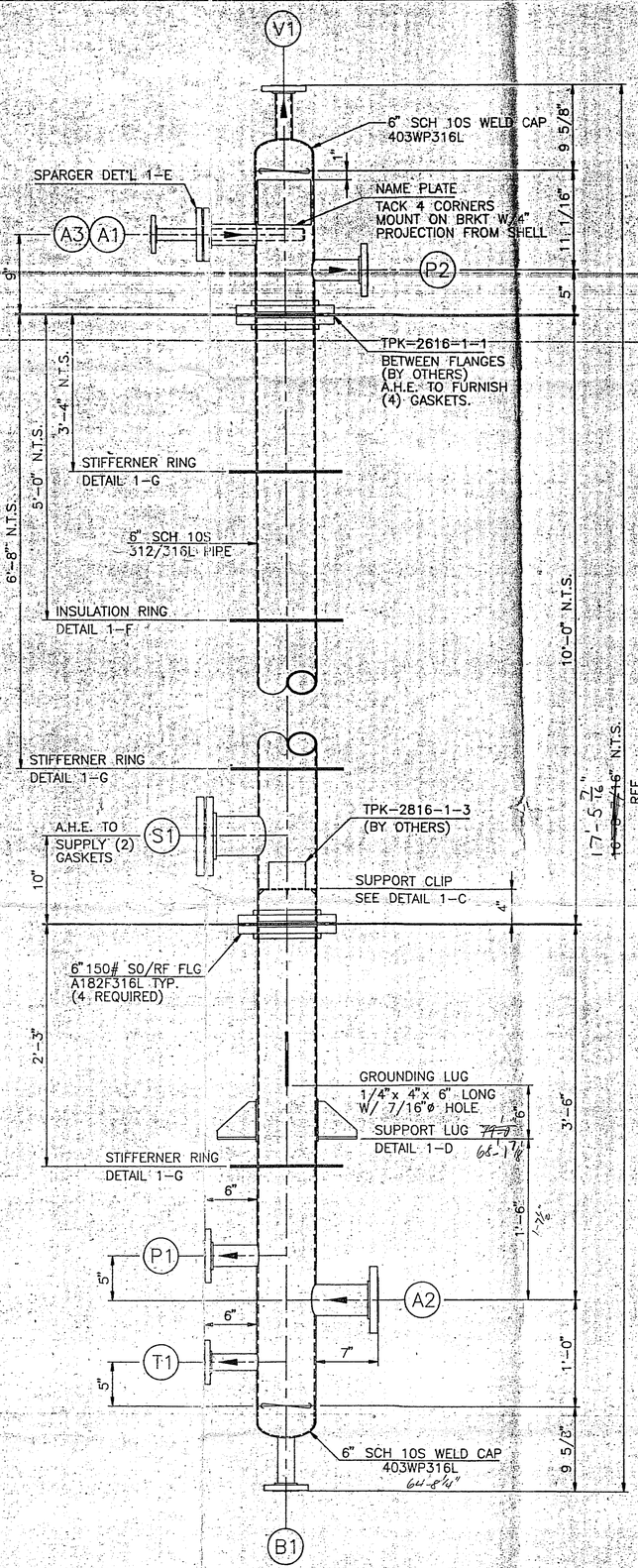
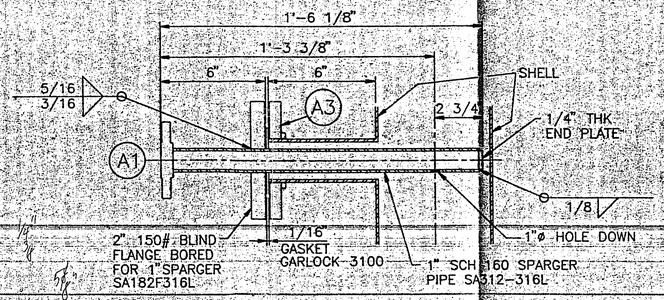
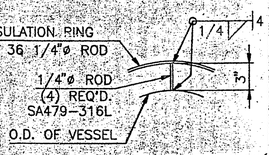


VESSEL SIDE ELEVATION



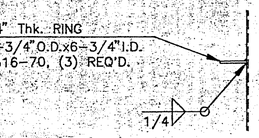
DETAIL 1-E REMOVABLE SPARGER

SCALE: N. T. S.



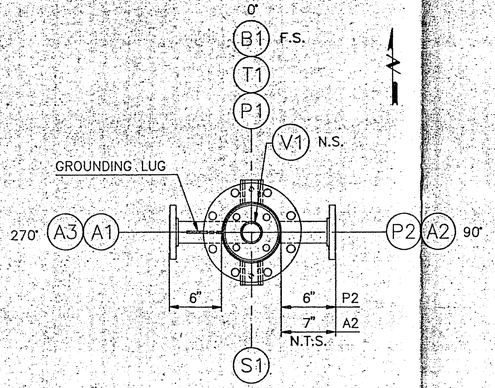
DETAIL 1-F INSULATION RING, (1) REQ'D.

SCALE: N.T.S.

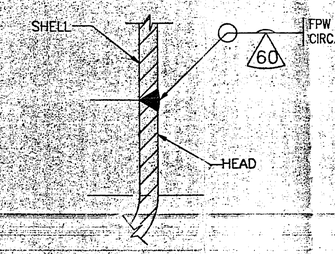


DETAIL 1-G STIFFENER RING, (3) REQ'D.

SCALE: N. T. S.

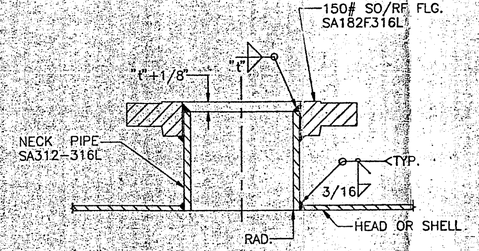


PLAN AT TOP



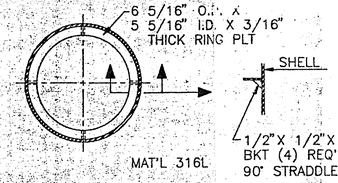
DETAIL 1-A HEAD TO SHELL WELD

SCALE: N. T. S.



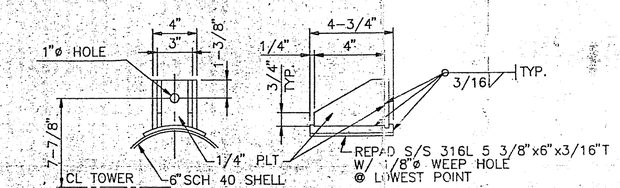
DETAIL 1-B MISC. NOZZLES

SCALE: N. T. S.



DETAIL 1-C SUPPORT CLIP

SCALE: 1/8" = 1"



MATERIAL: SA36 U.N.O.

DETAIL 1-D SUPPORT LUG

SCALE: N.T.S.

NOZZLE SCHEDULE

MARK	NOZZLE SIZE	NOZZLE SCH	NOZZLE THK	FLANGE PRES	FLANGE TYPE	FLANGE FACE	FLANGE FIN.	SERVICE
A1	1"	160	.250	150	SO	RF	STD	PROCESS LIQUID INLET
A2	3"	40	.216	150	SO	RF	STD	PROCESS LIQUID / VAPOR INLET
A3	2"	40	.154	150	SO	RF	STD	PROCESS VAPOR INLET
B1	1.5"	40	.145	150	SO	RF	STD	PROCESS VAPOR OUTLET
P1	2"	40	.154	150	SO	RF	STD	DIFFERENTIAL PRESSURE TRANSMITTER
P2	2"	40	.154	150	SO	RF	STD	DIFFERENTIAL PRESSURE TRANSMITTER
S1	4"	40	.237	150	SO	RF	STD	CLEAN OUT W/ BLD FLG.
T1	1.5"	40	.145	150	SO	RF	STD	TEMPERATURE ELEMENT.
V1	2"	40	.154	150	SO	RF	STD	PROCESS VAPOR OUTLET

NOTES:

1. VESSEL FABRICATED PER ASME SECT. VIII DIV. 1, 1992 ED.; 1994 ADDENDA.
2. ALL BOLT HOLES SHALL STRADDLE VESSEL MAJOR CENTERLINES.
3. ALL C/S WELDS PER AHE-100.
   ALL S/S WELDS PER AHE-800.
   ALL C/S TO S/S WELDS PER AHE-803.
4. SHOP HYDRO SHELL SIDE @ 75 PSI.

DESIGN DATA

DESCRIPTION		VESSEL
DESIGN PRESSURE	INTERNAL - PSIG	50
	EXTERNAL - PSIG	15
DESIGN TEMPERATURE	INTERNAL °F	356
	EXTERNAL °F	
MAWP 356° F.		50/FV
CORR. ALLOW.		.0625"
HYDRO. PRESS. PSIG.		75
WELD PROCEDURE		SEE NOTE 3
RADIOGRAPHY PER CODE		SEE WELD DET'L.
HEAT TREATMENT		NOT REQUIRED

MATERIAL SPECIFICATIONS ASME

	VESSEL
SHELL	SA312TP316L
HEADS	SA403WP316L
SUPPORTS	SA36/SA516-70
FLANGES	SA182F316L
PIPE	SA312TP316L
TUBES	
TUBE SHEETS	
BOLTS/NUTS	SA193-B8/SA194-8
GASKETS	GARLOCK 3100 1/8" THK.
BODY FLG.	SA182F316L
BAFFLE / TUBE SUPP.	

RECEIVED
APR 16 1996

U
W
RES

NAT'L BD. No. _____

CERTIFIED BY
ALABAMA HEAT EXCHANGERS, INC.

MAWP 50/FV PSIG @ 356 °F

MDMT -20 °F @ 50/FV PSIG
MFG. SERIAL NO. AHE-
YEAR BUILT 1996
EQUIPMENT NO. T-2816-1
I.D. NO. _____
WEIGHT: EMPTY 650 FULL 1000

ADITIONAL N/P. DATA PER CUST. SPEC.

MAWP 50/FV PSIG @ 356 °F
HYDRO TEST PR.: 75 PSIG
CORR. ALLOW.: 0.0625"
WATER PHASE STRIPPING COLUMN
AHE JOB. No.: 3356B CUST. PO No.: 08000155

REVISIONS
1. REVISED & RESUBMIT PER CUSTOMER DWG. DATED 1/22/96 JMP 3/6/96

ALABAMA HEAT EXCHANGERS, INC.

MOBILE, ALABAMA

T-2816-1
WATER PHASE STRIPPING COLUMN
HULS AMERICA

CUST. ORDER NO.	JOB NO.	DRAWING NO.
08000155	3356B	3356B951
DRAWN BY EJA	DATE 9/18/95	SHT 1 OF 1
APP'VD BY	DATE	SCALE: 1/8" =1"