

CERTIFIED FOR FABRICATION

DATE 1/30/87 P. PROD.

J. J. Aquilino

1. ALL WELDS A.S.M.E. CODE WELDED,
PICKLED AND BRUSHED.
3. ALL EXT. WELDS A.S.M.E. CODE WELDED,
PICKLED AND BRUSHED.
4. ALL S.S.T. SURFACES PASSIVATED.
5. ALL CARBON STEEL TO RECEIVE ONE
SHOP COAT OF PRIMER.
6. ALL FLANGE BOLT HOLES TO
STRADDLE CENTER LINES OF HEAT EXCH.
EXCEPT AS OTHERWISE NOTED.

ESTM. WT. (EMPTY) = 800 lbs.

ESTM. WT. (FULL OF H₂O) = 1175 lbs.

FITTING SCHEDULE

MARK	SIZE	SCH.	RATING	DESCRIPTION	QUAN.
A 1/2	1 1/2"	10	150 #	FLG. CONN., SEE DWG. # D-ND-72, DETAIL 7-7"	2
B 1/2	1 1/2"	10	150 #	FLG. CONN., SEE DWG. #	2
C	4"	10	150 #	↓ ↓ ↓ ↓ ↓ ↓ ↓	1

REFERENCE DWG'S.

D-87006 CONDENSER/HEAT EXCHANGER DETAILS
D-ND-72 NOZZLE DETAILS
B-87007 SUPPORTS

AMERICAN HOECHST CORP.

TAG NO B-420

PERRY

**PRODUCTS COMPANY
STAINLESS STEEL FABRICATORS**



MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 08036

DRN. 111

DATE 1/19/87

CHKD. 111

(52) SQ. FT.

(1) 10" SIZE CONDENSER/HEAT EXCHANGER

(2) - PASS TUBE SIDE (1) PASS SHELL SIDE

SER. NO. B-4137

JOB NO. 13348

DWG. NO. D-87005



A.S.M.E. CONSTRUCTION INSP. & STAMPING

IN ACCORDANCE WITH SECTION VIII, DIVISION No. 1
OF THE 1986 EDITION OF THE UNFIRED PRESSURE
VESSEL CODE FOR OPERATION IN THE STATE OF R.I.

ASME CODE INSPECTION	YES
CODE STAMP	YES
SPOT RADIOGRAPHED	NO
FULLY X RAYED	NO
CORR. ALLOW.	"0"

DESIGN DATA MAX:	TUBE SIDE	SHELL SIDE
PRESSURE (PSIG)	90	90
TEMPERATURE F.	390	390
HYDROSTATIC TEST (PSIG)	140	140
WELD SPECS.* SEE SUMMARY MAP		

MATERIAL SPECIFICATIONS

BONNET HEADS 3/16" (NOM) TK #1 MILL FINISH
SHELL 10" - SCH #10 (.165") TK WLD. PIPE

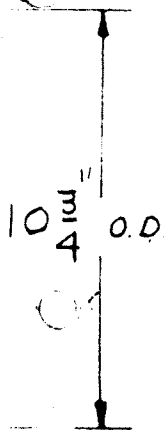
SHELL 10" - SCH #10 (.165") TK WLD. PIPE

BAFFLES, TIE RODS & PIPE SPACERS

	TUBE SIDE	SHELL SIDE
NOZZLE (PIPE)	SA 312 (WELDED)	SA-312 (WLD)
NECKS	T-316 S/S	T-316 S/S
NOZZLE (FORGED)	SA-182-F-	SA-182-F-
FLANGES	316	316
TUBES	1" O.D x #16 GA. T-316 S. ST SA-249 (WELDED)	
TUBE SHEETS	1/4" (NOM) TK. SA-240, T-316 S. ST.	
BODY FLANGES	SA-182-GR F T-316	
BOLTING	SA-193-B8	NUTS-SA-194
GASKETS	GARLOCK GYLON 3504	

GENERAL NOTES

SHELL SIDE - T-316 S. ST. (SA-240) (SA-312)
TUBE SIDE - 316 S. ST (SA-240) (SA-312)

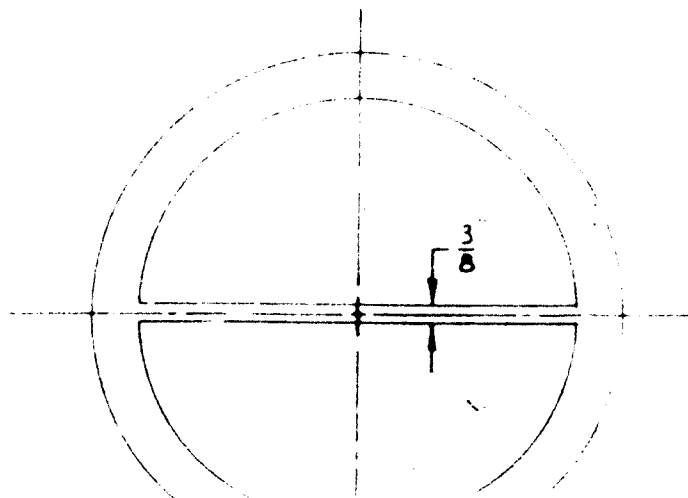
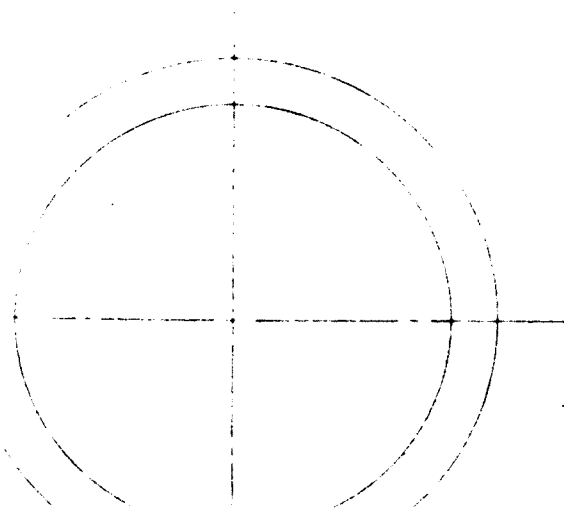


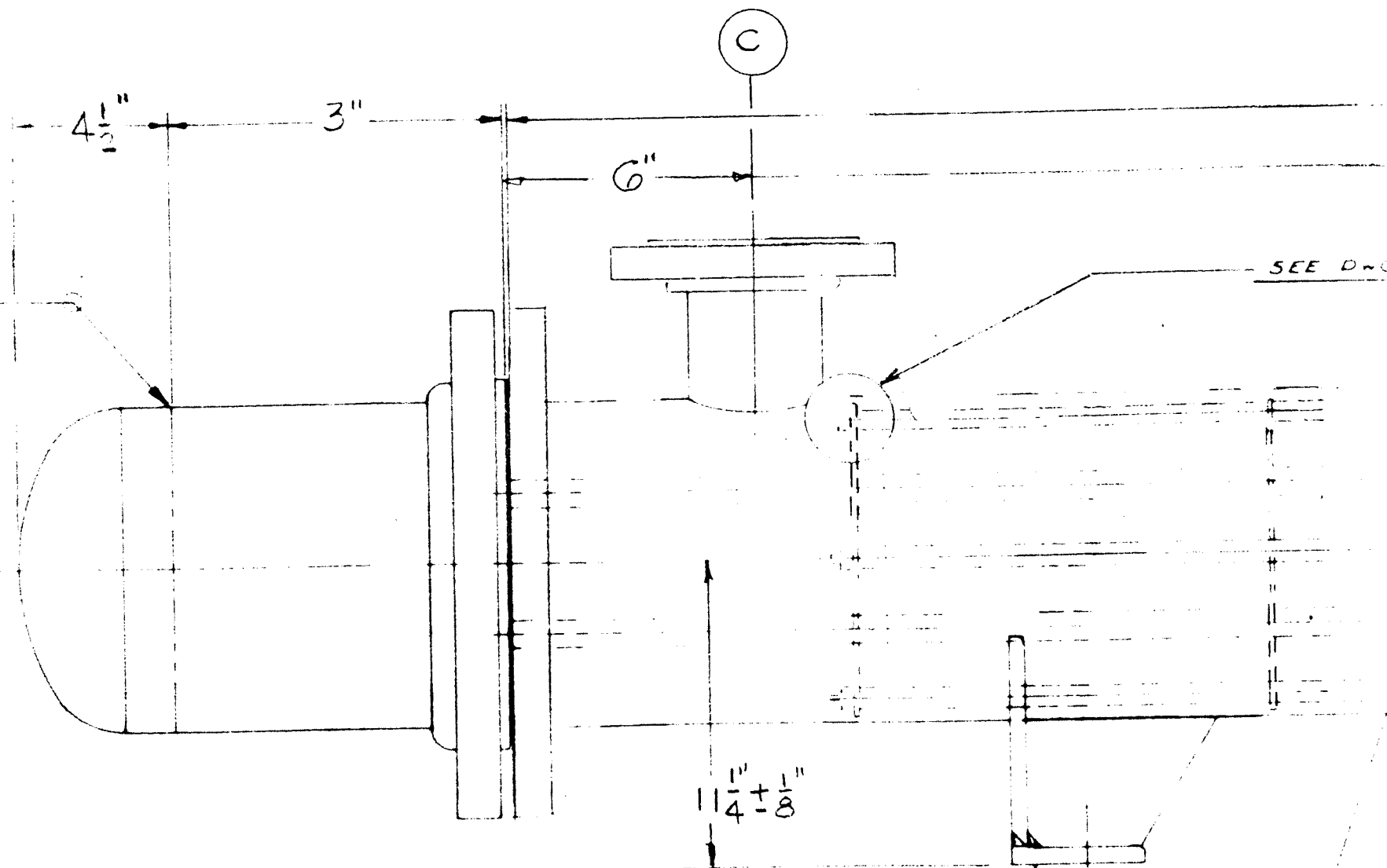
2:1 ELLIP HEADS
10 3/4" O.D. x 1 1/2" S.F.
(SEAMLESS) (2) REQ'D

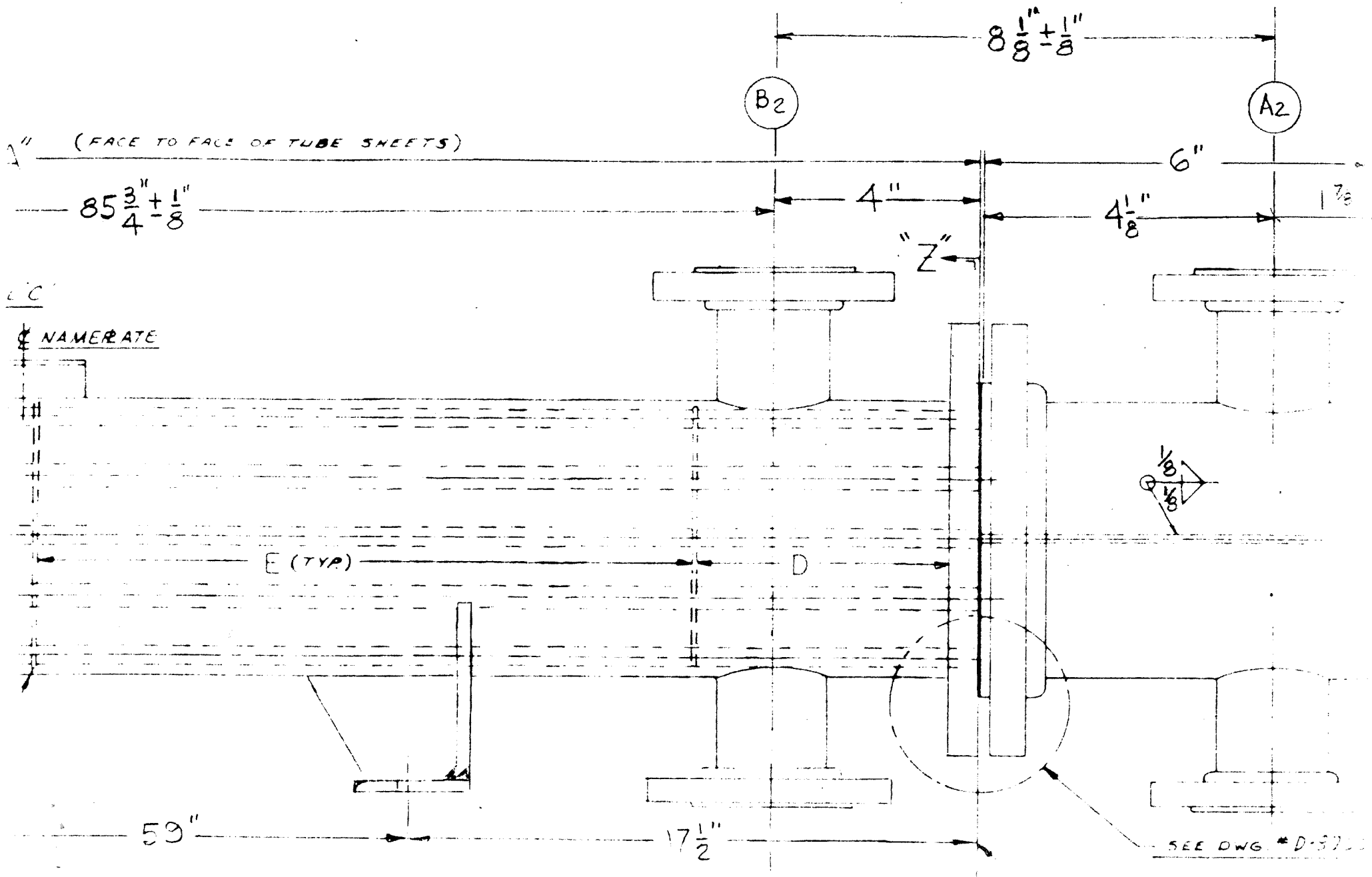
T-304
S. ST.

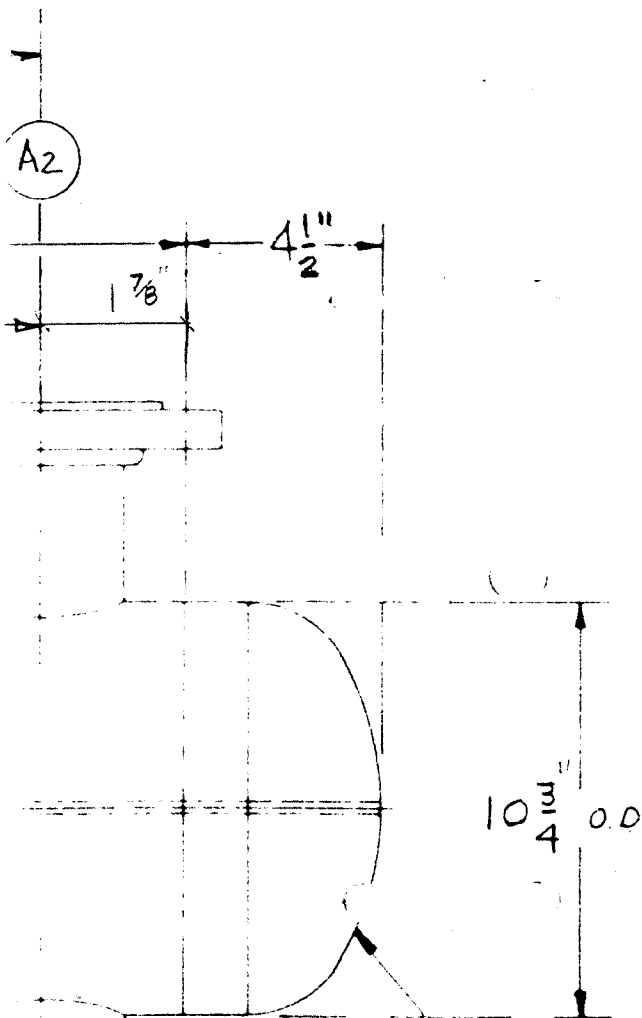
CONDENSER/HEAT EXCHANGER SIZE						
SQ. FT.	"A"	"B"	"C"	EXPANSION JOINT	"D"	"E"
92	7'-11 $\frac{3}{4}$ "	6	—	"NO"	13 $\frac{5}{8}$ "	13 $\frac{1}{4}$ "

← CENTER
 ↑ FROM INSIDE FACE









SHELL SIDE - T-3/4 S 5 TL (SA-240) (SA-312)

TUBE SIDE - 3/16 S 5 T (SA-240) (SA-312)

A.S.M.E. CONSTRUCTION INSP. & STAMPING

IN ACCORDANCE WITH SECTION VIII, DIVISION No. 1
OF THE 1986 EDITION OF THE UNFIRE PRESSURE
VESSEL CODE FOR OPERATION IN THE STATE OF R.I.

ASME CODE INSPECTION	YES
CODE STAMP	YES
SPOT RADIOGRAPHED	NO
FULLY X RAYED	NO
CORR. ALLOW.	"O"

DESIGN DATA MAX:	TUBE SIDE	SHELL SIDE
PRESSURE (PSIG)	90	90
TEMPERATURE F.	390	330
HYDROSTATIC TEST (PSIG)	140	140
WELD SPECS.* SEE SUMMARY MAP		

MATERIAL SPECIFICATIONS

BONNET HEADS 3/16" (NOM) TK #1 MILL FINISH

SHELL 10" - SCH #10 (.165") TK WLD. PIPE

SHELL 10" - SCH #10 (.165") TK WLD. PIPE

BAFFLES, TIE RODS & PIPE SPACERS

TUBE SIDE	SHELL SIDE
-----------	------------