

BAFFLE DETAIL

WILL TO MATCH TUBESHEET

QUALITY CONTROL — PLEASE NOTE:
HOLE DIAMETERS MUST NOT EXCEED THE $+.002$
REMAINDER NOT EXCEED $+.010$ TOLERANCE.

RRY PRODUCTS COMPANY
STAINLESS STEEL FABRICATORS



MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 08036

DRN. <i>JD</i>	18" TUBE SHEET & BAFFLE LAYOUT		
DATE 8/23/89	4-PASS, $\frac{3}{4}$ " TUBES ON $\frac{15}{16}$ " $\triangle$ PITCH		
CHKD. <i>JUL</i>			
R. NO. B-4403	JOB NO. 13700	DWG. NO. D-89199	

114260

1/4" THK. PARTITION R C/S

2. ALL INT. 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) 1650 LBS.

ESTM. WT. (FULL OF WATER) 2700 LBS.

FITTING SCHEDULE									
MARK	SIZE	SCH.	RATING	DESCRIPTION					
A 1/2	1 1/2"	80	150 #	FLG. CONN., SEE DWG. D-ND-72, DET. 7-7					
B	10"	10		FLG. CONN., SEE DWG. D-ND-70,					
C	6"								
D	1 1/2"							D-ND-71	
E	3/4"	-	3000 #	HALF COUPLING, DWG. D-3165/S					
F 1/2	3/4"	-						C/S	2

REFERENCE DWG'S.

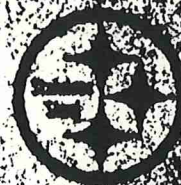
D-ND-72 NOZZLE DETAILS
D-89199 CONDENSER/HEAT EXCHANGER DETAILS
D-ND-71 NOZZLE DETAILS
B-39200 SUPPORT DETAILS
D-ND-70 NOZZLE DETAILS

OWNER; HOECHST CELANESE CORP.

TAG NO.

PERRY

PRODUCTS COMPANY
STAINLESS STEEL FABRICATORS



MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 07036

DRN. *Handwritten*
DATE 8/23/83
CHKD. *Handwritten*

(1) 18" SIZE CONDENSER/HEAT EXCHANGER
(4) - PASS THREE SIDE (1) - PASS THREE SIDE

SER. NO. B-4503 JOB NO. 13700 LONG NO. B-89198



Gil Fatale

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

IN ACCORDANCE WITH SECTION VIII, DIVISION 1, PART 1
OF THE 1986 EDITION OF THE UNFIRED PRESSURE VESSEL CODE, FOR OPERATION IN THE STATE OF RI

ASME CODE INSPECTION	YES
CODE STAMP	YES
SPOT RADIOGRAPHED	NO
FULLY X-RAYED	NO
CORR. ALLOW.	1/16" C/S DEPENDS PARTS ONLY

DESIGN DATA (MAX):	TUBE SIDE	SHELL SIDE
PRESSURE (PSIG)	90	90
TEMPERATURE °F.	390	320
MIN. DES. TEMP. °F	10	10
HYDROSTATIC TEST (PSIG)	135	140

WELD SPEC'S. SEE SUMMARY MAP

MATERIAL SPECIFICATIONS

BONNET HEADS 18" O.D. 5/16" THK, 7" DIA. FLANGE

SHELL 18" - SCH #20 (.1312") THK WELD PIPE

SA-53-60

SHELL 18" GA (.135") THK, #20 WELD PIPE

BAFFLES, TIE RODS & PIPE SPACERS

	TUBE SIDE	SHELL SIDE
NOZZLE (PIPE)	SA-53-60 1.31"	SA-312
NECKS		T-316
NOZZLE (FORGED)	SA-105 C/S	SA-105 C/S
FLANGES		

TUBES 3/4" O.D. 18" GA 1.31" THK, 7" DIA. FLANGE

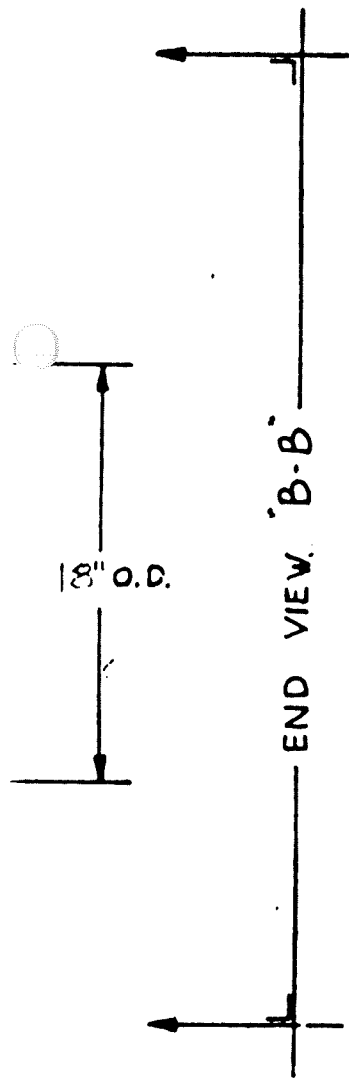
TUBE SHEETS 1 1/8" (NOM) THK SA-312 T-316

BODY FLANGES 2" C/S SA-53-60 1.31"

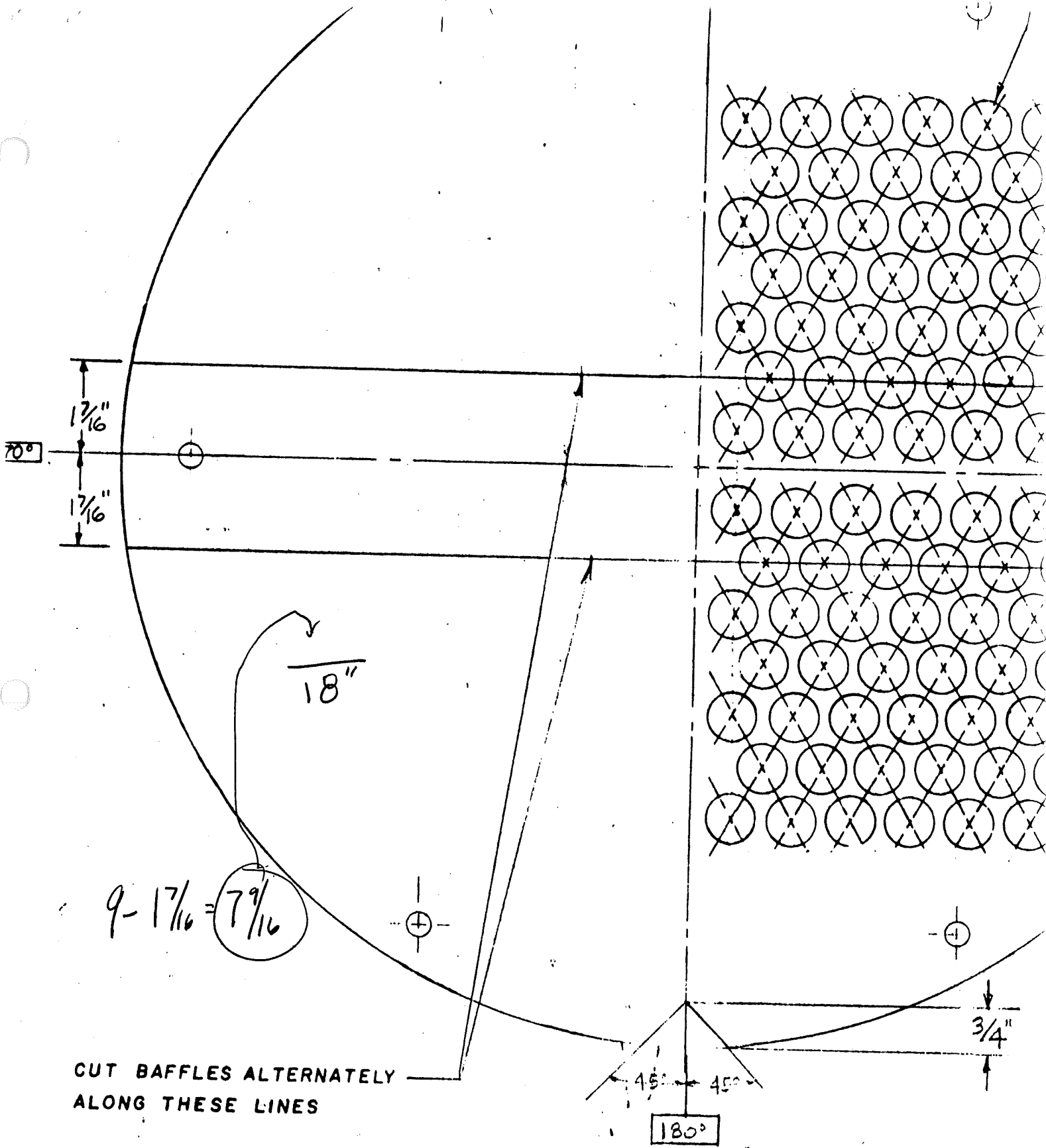
BOLTING SA-193-B7 1/2" NUTS SA-193-B7 1/2"

GASKETS GY-011

GENERAL NOTES



SHELL SIDE - T-316 537L SA-53-60
TUBE SIDE - TYPE - C/S (SA-53-60)



(4) T-316 S.S.T., $\frac{3}{16}"$ THK.

BAFFLE DETAIL

DRILL TO MATCH TUBESHEET

0°

$\frac{25}{32}$ " DIA. HOLE ON $\frac{15}{16}$ " ϵ TO ϵ
TRIANGULAR PITCH

90°

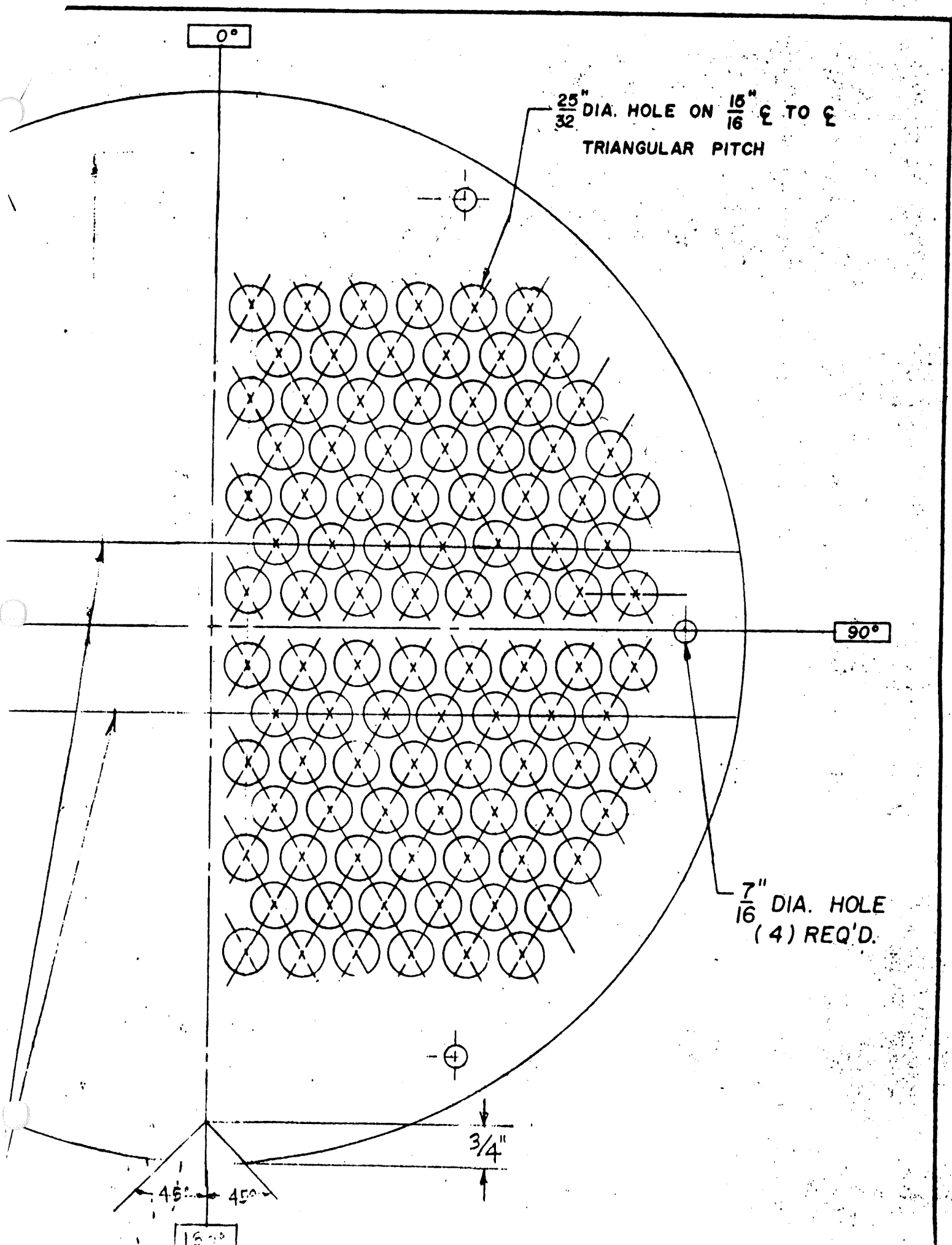
$\frac{7}{16}$ " DIA. HOLE
(4) REQ'D.

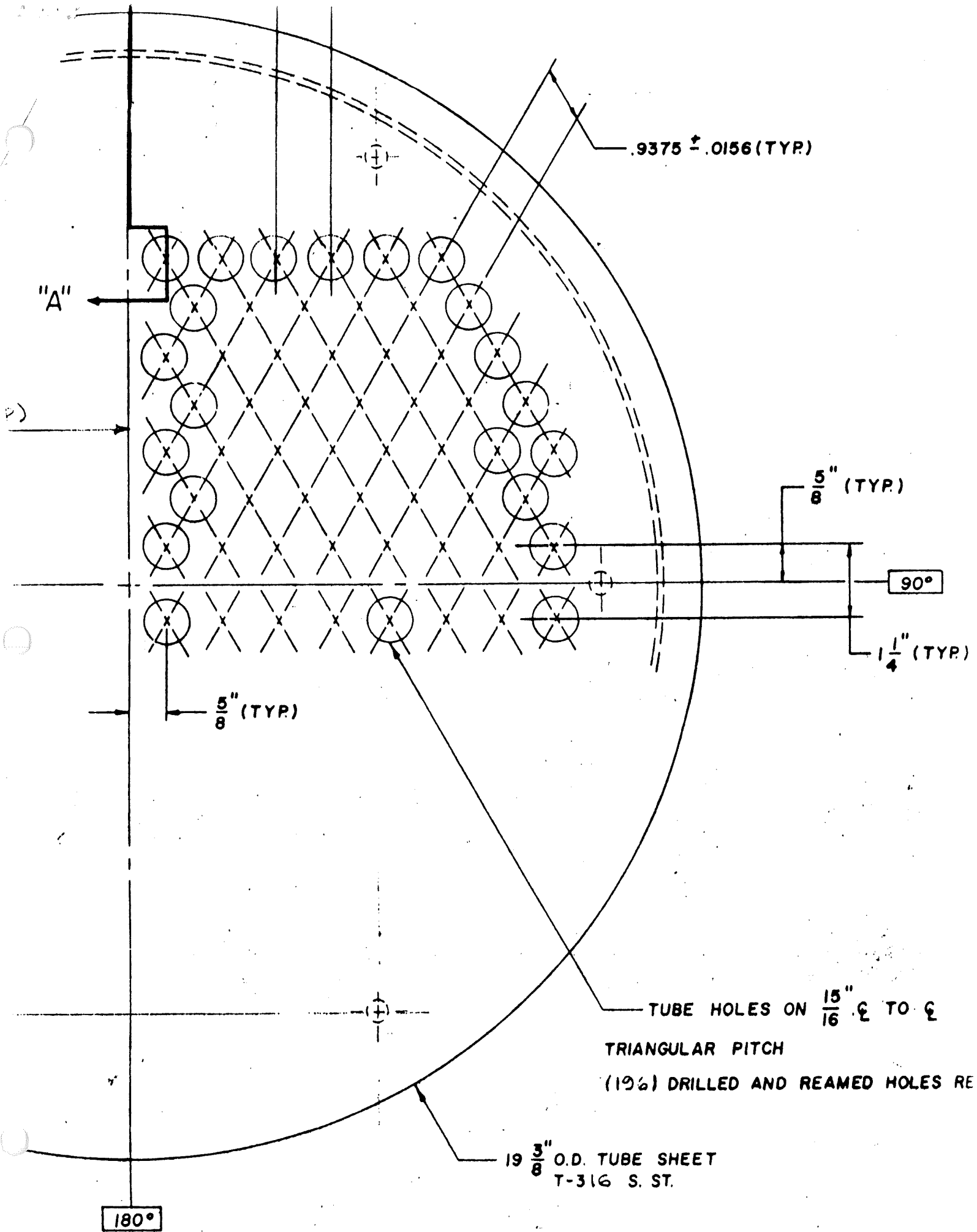
$\frac{3}{4}$ "

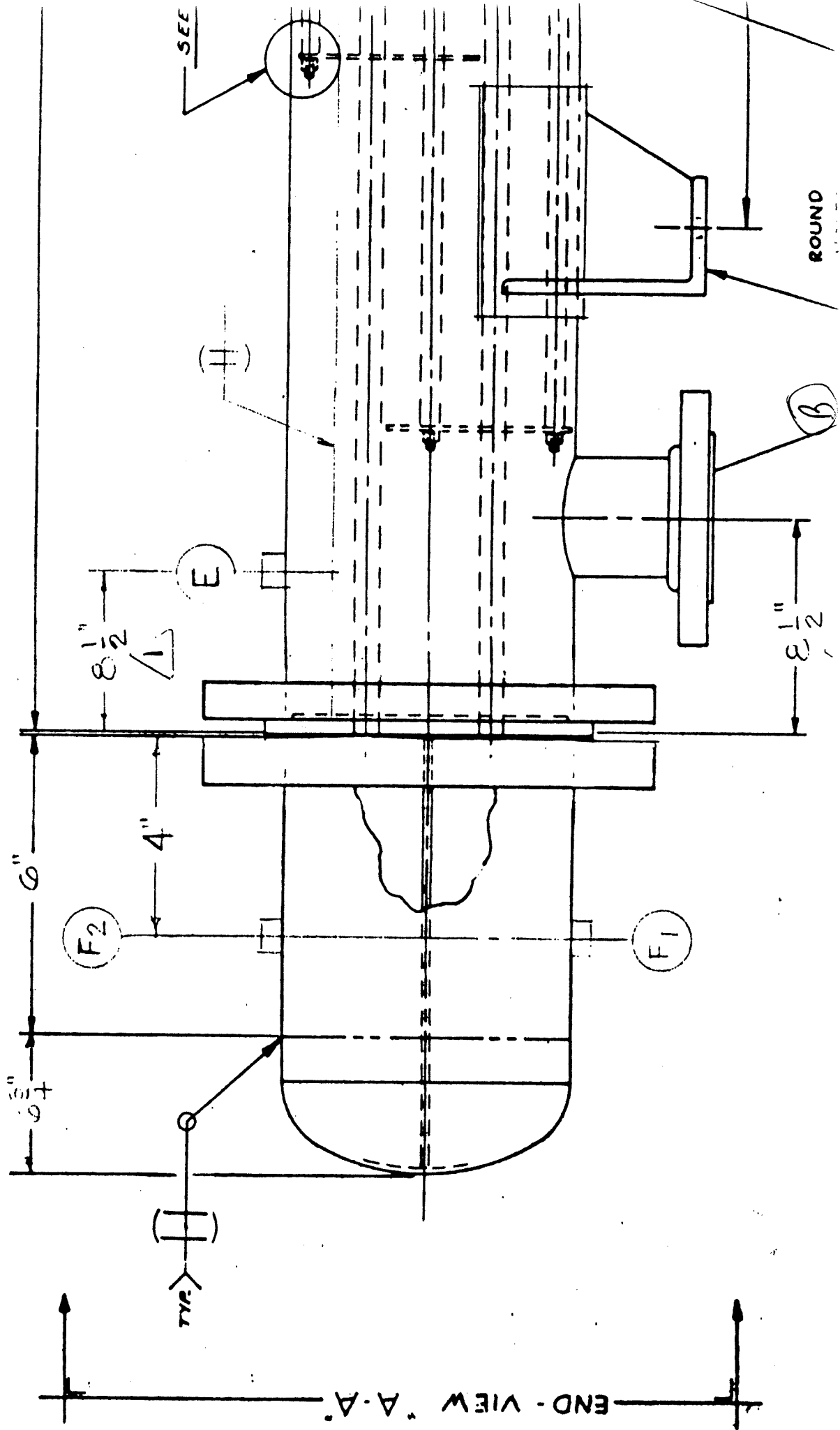
45°

45°

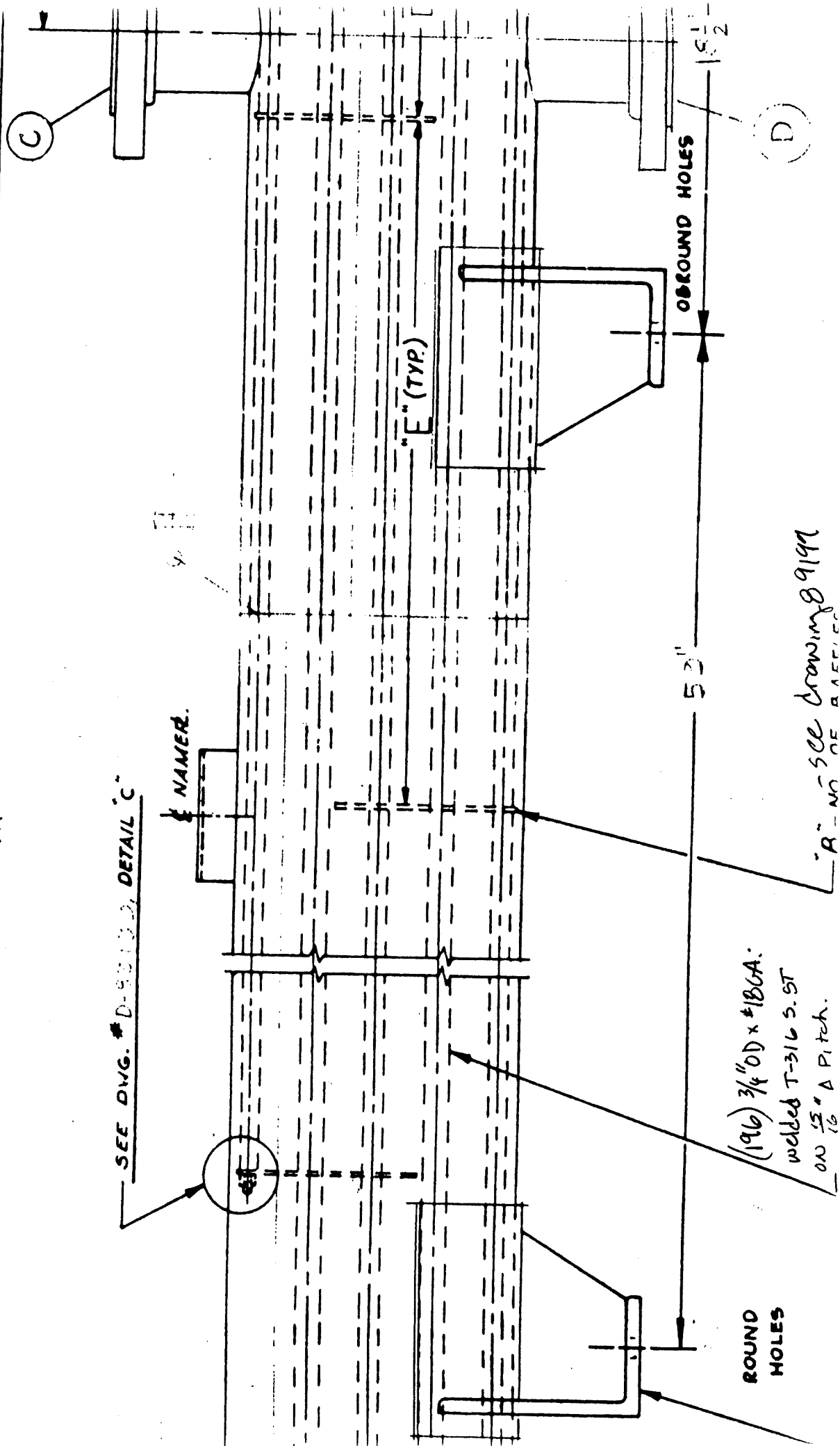
160°



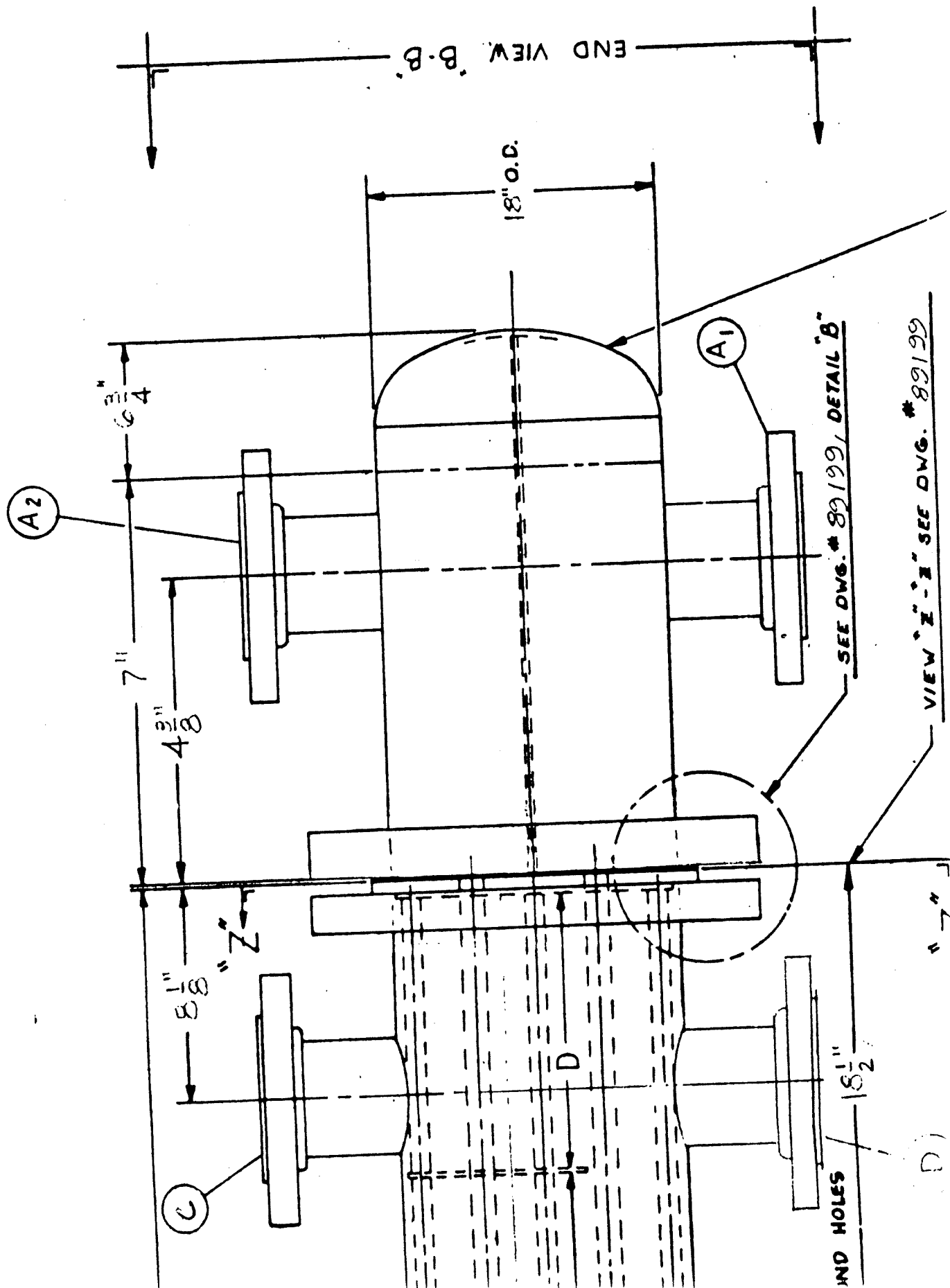




"A" (FACE TO FACE OF TUBE SHEETS)



SHELL SIDE - T-3165 STL. SA-240
 TUBE SIDE - TYPE - C/S (SA-240)



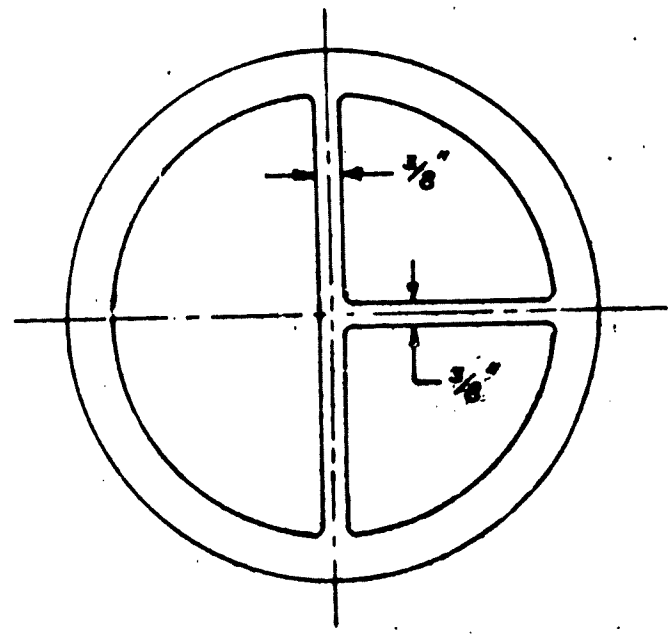
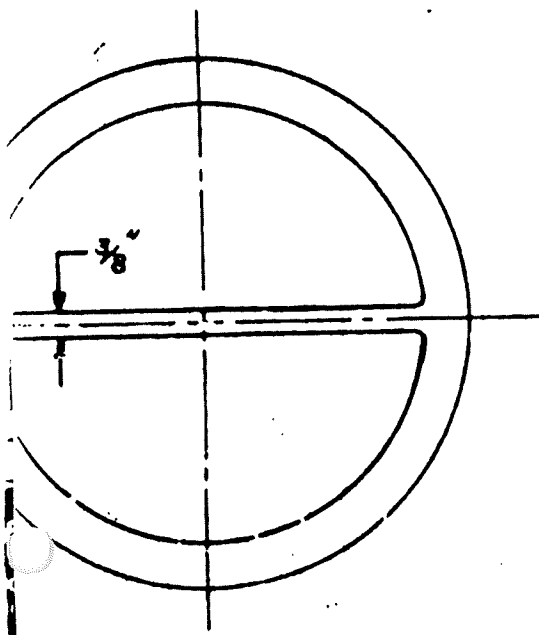
T-312 S. ST. TUBES ON $\frac{15}{16}$ " $\triangle$ PITCH

"E"
19 1/2"

center to center

CONDENSER/HEAT EXCHANGER SIZE					
SQ. FT.	"A"	"B"	"C"	EXPANSION JOINT	"D"
320	8'-3 7/8"	4	—	"NO"	19 1/2"

FROM INSIDE FACE OF
TUBE SHEET



GASKET DETAILS