

ASME CODE INSPECTION	YES
CODE STAMP	YES
SPOT RADIOGRAPHED	NO
FULLY X-RAYED	NO
CORR. ALLOW. 1/8" C/S PRESS. PARTS ONLY	
TEMA CLASS "C" TYPE: "DEM"	

DESIGN DATA (MAX):	TUBE SIDE	SHELL SIDE
PRESSURE (PSIG)	90	90 SE.FV
TEMPERATURE °F.	300	300

HYDROSTATIC TEST (PSIG)	138	138
WELD SPEC'S SEE SUMMARY MAP		

MATERIAL SPECIFICATIONS

BONNET HEADS #86A (.165") TK #2B FINISH
SHELL 10" SCH #5 (.134") TK WELDED PIPE
SHELL 10" SCH #30 (307") TK PIPE SA-240 (CL)

EXPANSION JOINT	TUBE SIDE	SHELL SIDE
BAFFLES, TIE RODS & PIPE SPACERS		
NOZZLE (PIPE)	SA-312 (WELDED)	SA-53-GR 10"
NECKS (FLANGE)	T-316 5/5	5/5
NOZZLE (FORGED)	SA-105 5/5	SA-105 5/5
FLANGES (PLATE)	SA-105 5/5	SA-105 5/5
TUBES	1" O.D. x 16 GA. T-316 S.S.T. 6A-249 (WELDED)	
TUBE SHEETS	1" (NOM) TK. SA-240, T-316 S.S.T.	
BODY FLANGES	SA-105 5/5	
BOLTING	SA-193-B7 5/5 NUTS-SA-193-B7 5/5	
GASKETS	TEFLON ENVELOPE	

GENERAL NOTES

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

ESTM. WT. (EMPTY) = 200 lbs.
ESTM. WT. (FULL OF H₂O) = 1275 lbs.

FITTING SCHEDULE

MARK	SIZE	SCH.	BATING	DESCRIPTION	QUAN.
A12	2"	40	150°	FLG. CONN. SEE DWG. # D-ND-71 DET. 7-7	2
B12	2"	160	150°	FLG. CONN. SEE DWG. # D-ND-72 DET. 7-7	2
C12	3/4"	—	3000°	HALF COUPLING, W/ PLUG T-316 5/5	2
D12	3/4"	—	3000°	↓ ↓ ↓	2

REFERENCE DWG'S.

- D-ND-72 NOZZLE DETAILS
D-84293 CONDENSER/HEAT EXCHANGER DETAILS
D-ND-71 NOZZLE DETAILS
B-61376 SUPPORT

CUSTOMER: AMERICAN HOECHST CORP.

TAG NO.

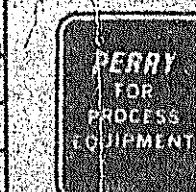
PERRY PRODUCTS COMPANY
STAINLESS STEEL FABRICATORS

MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 08036

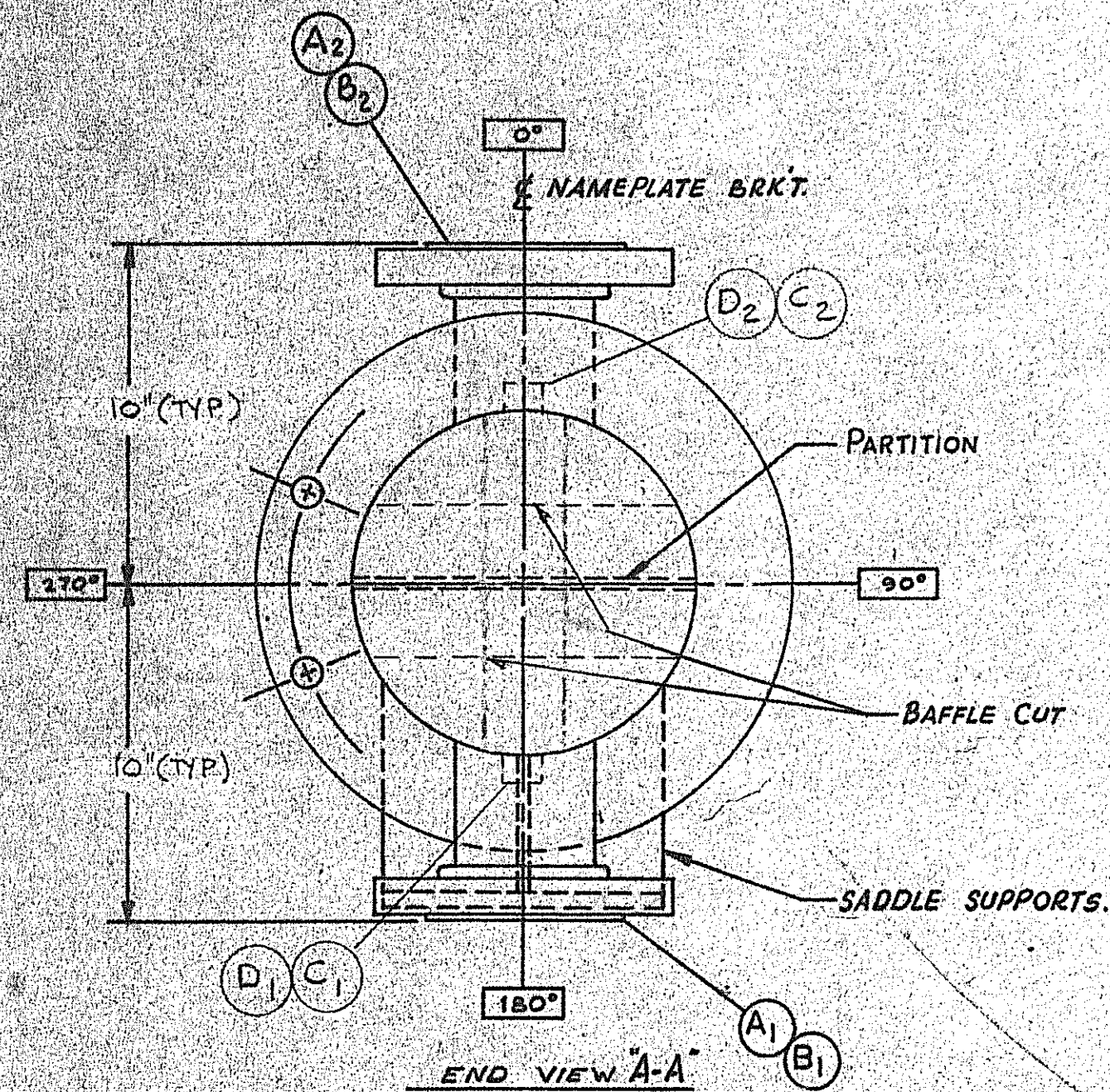
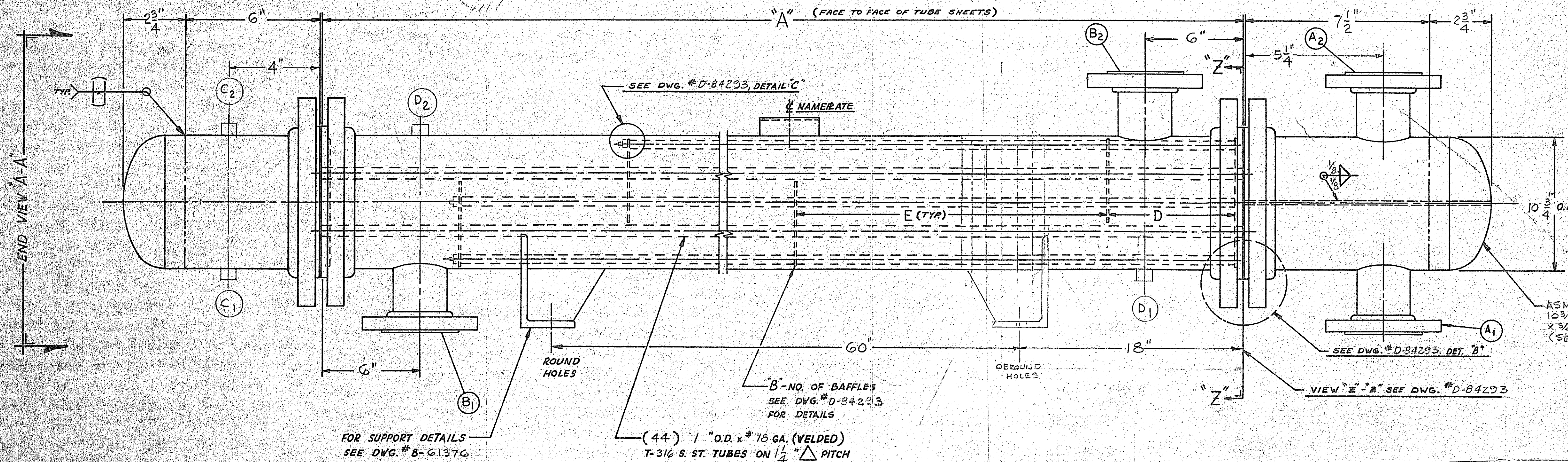
DRN. 11/12/84 (1) 10" SIZE CONDENSER/HEAT EXCHANGER

CHKD. 11/12/84 (2) PASS TUBE SIDE (1) PASS SHELL SIDE

SER. NO. B-3287 JOB NO. 13044 DWG. NO. D-84293

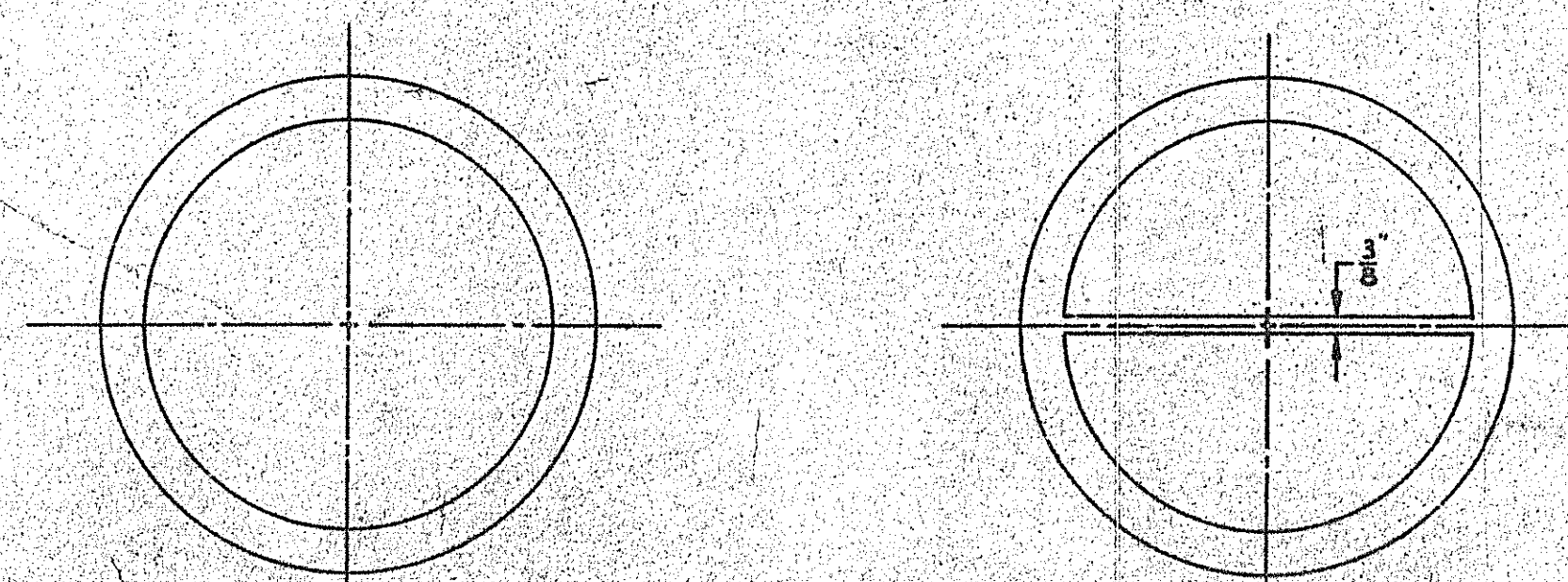


NO.	DATE	BY	REVISIONS
1	12/6/84	11/1	ADDED TEFLON ENVELOPE GASKET IN LIEU OF GMP ASS. ADDED T-316 5/5 PLUG TO FLG. 200 AL 14 L IN LIEU OF 2/5



CONDENSER/HEAT EXCHANGER SIZE						
SQ. FT.	"A"	"B"	"C"	EXPANSION JOINT	"D"	"E"
92	7'-11 3/4"	8	—	"NO"	10 5/8"	10 3/8"

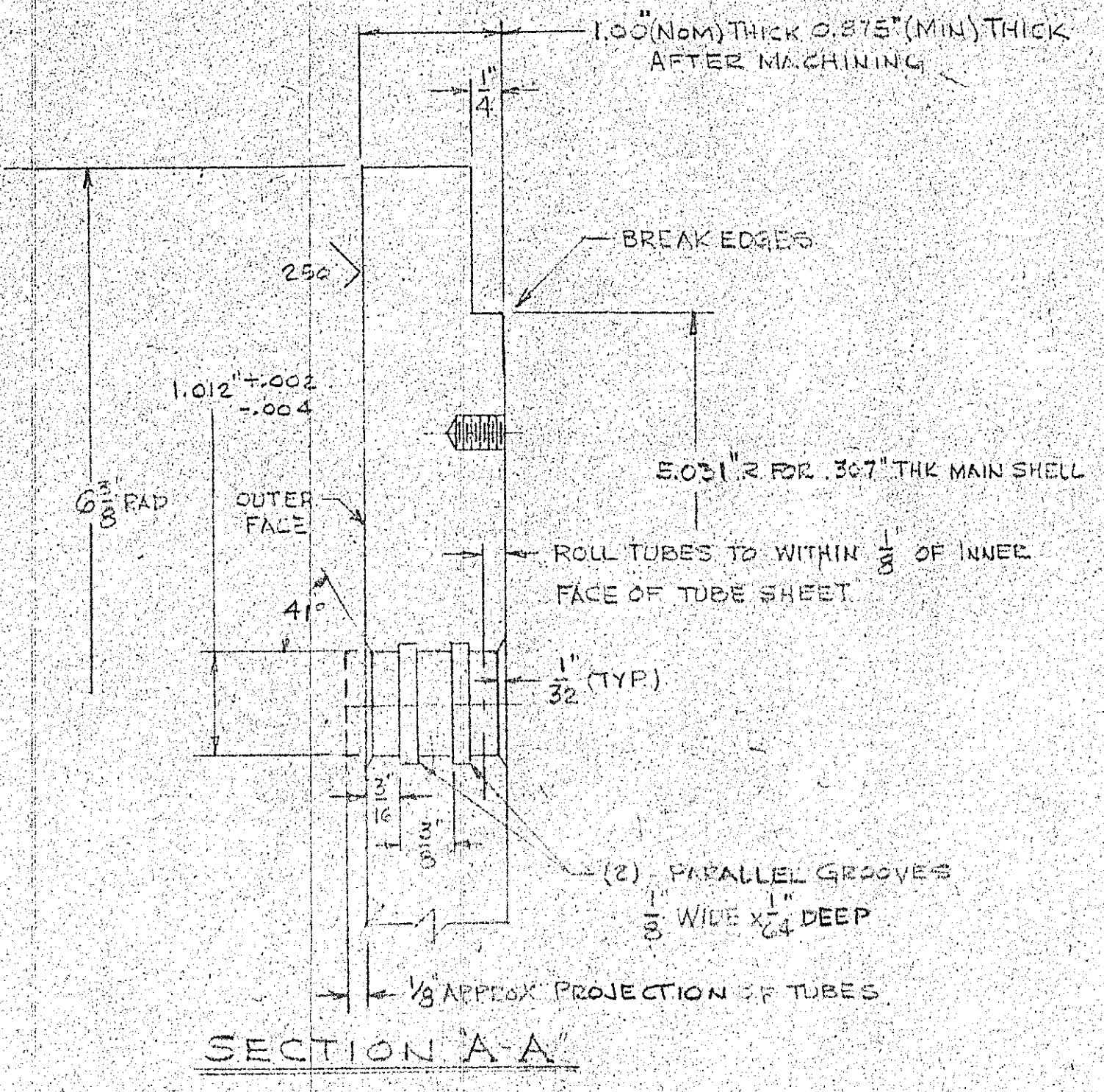
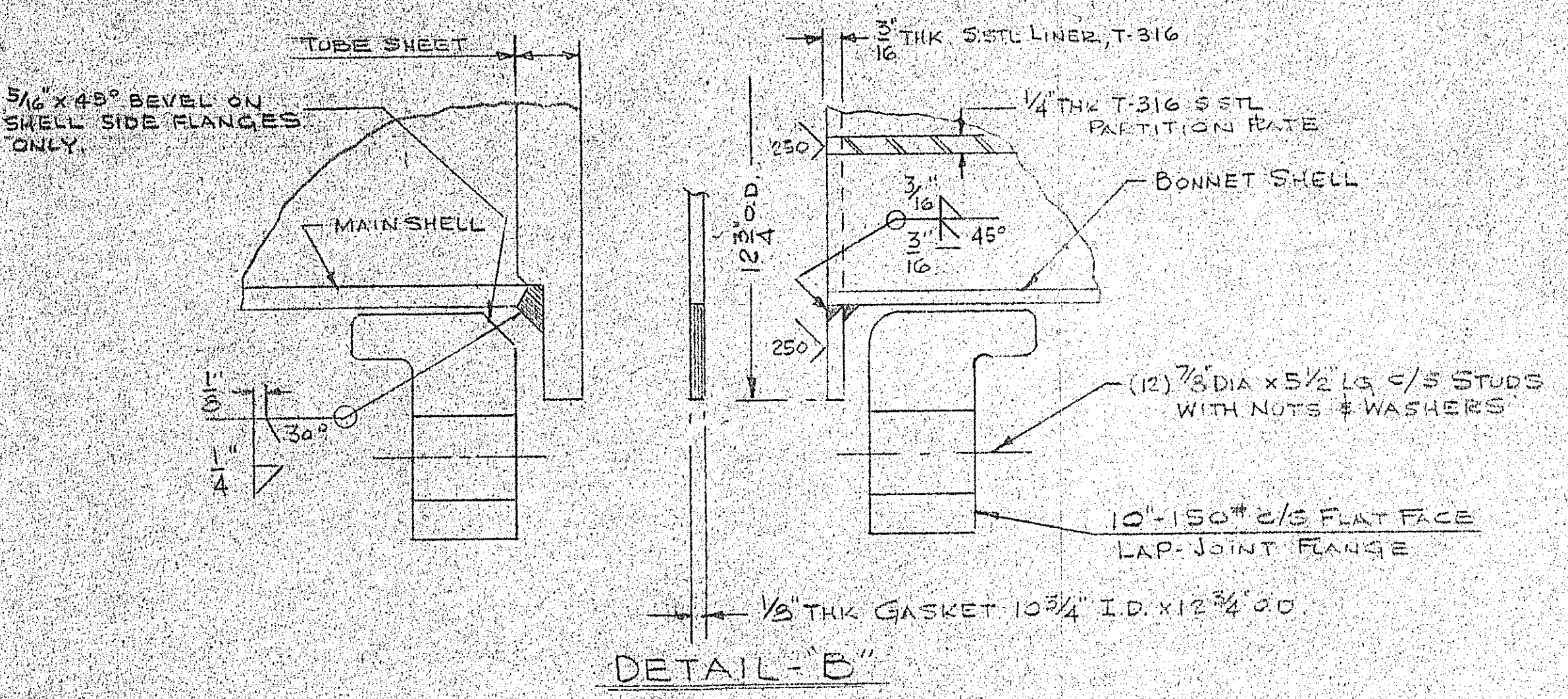
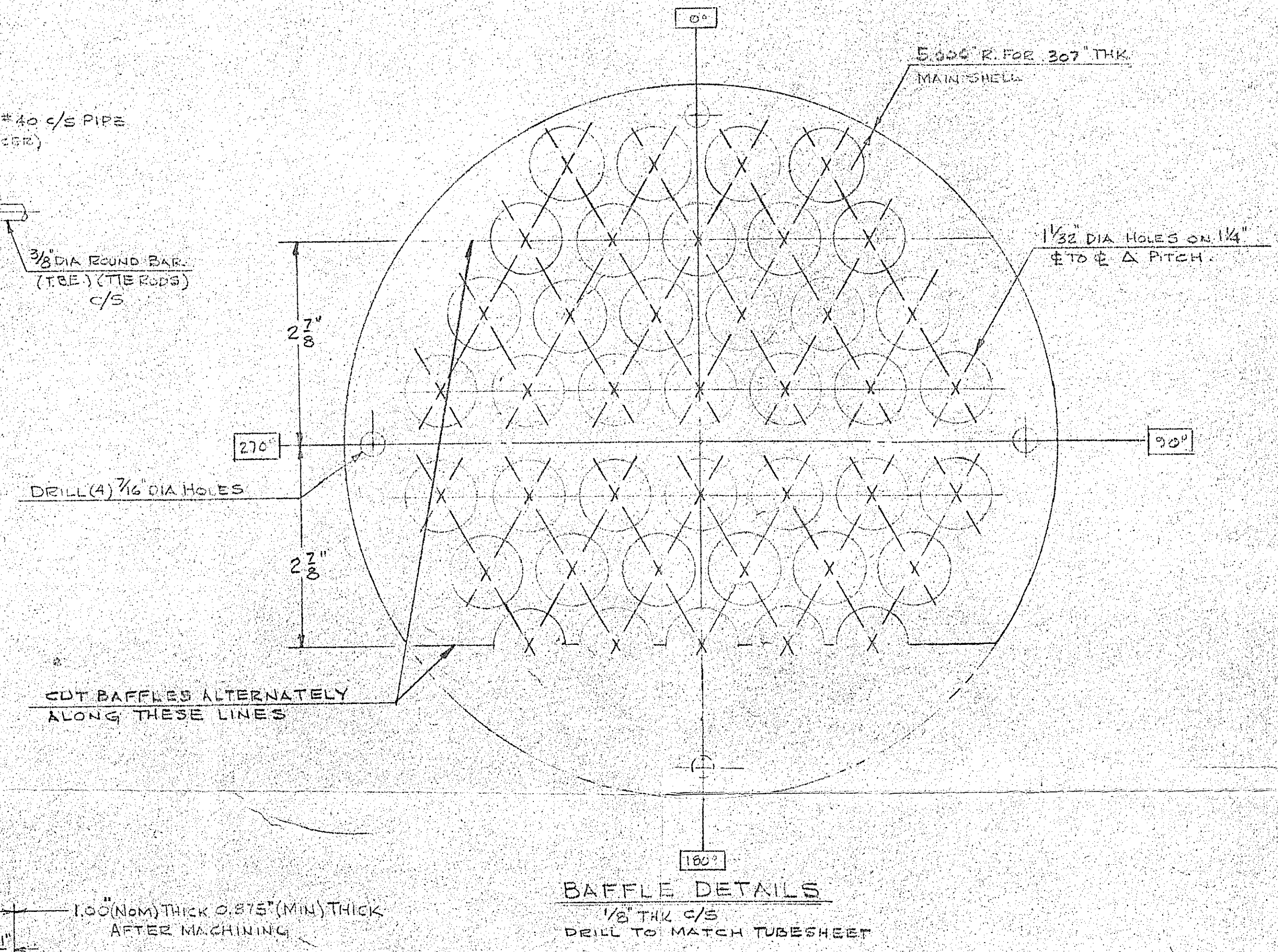
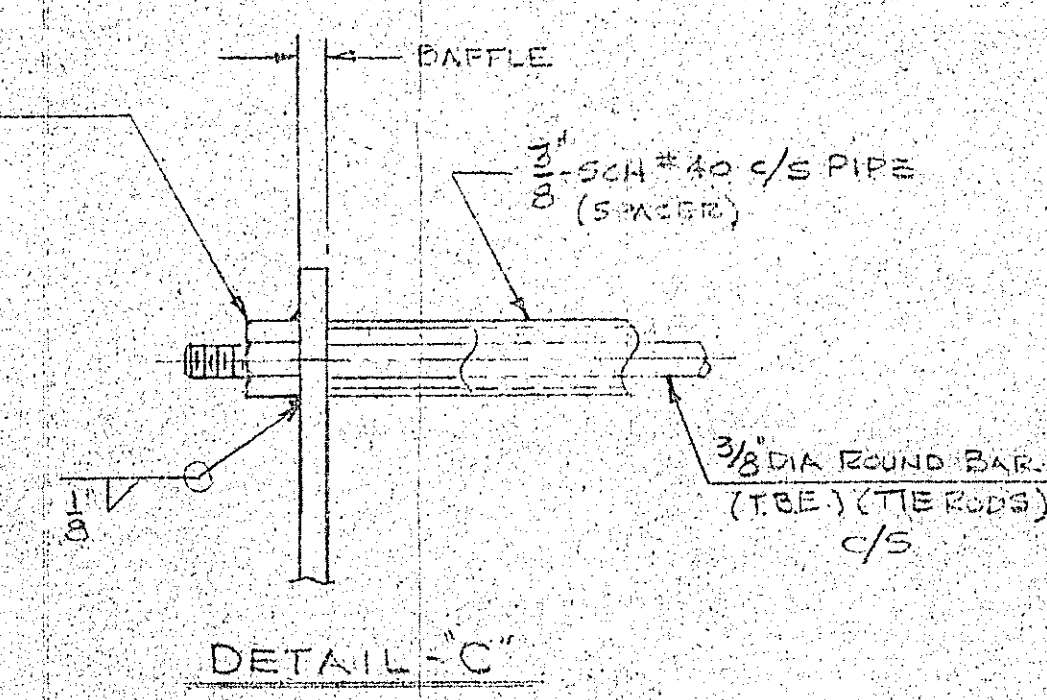
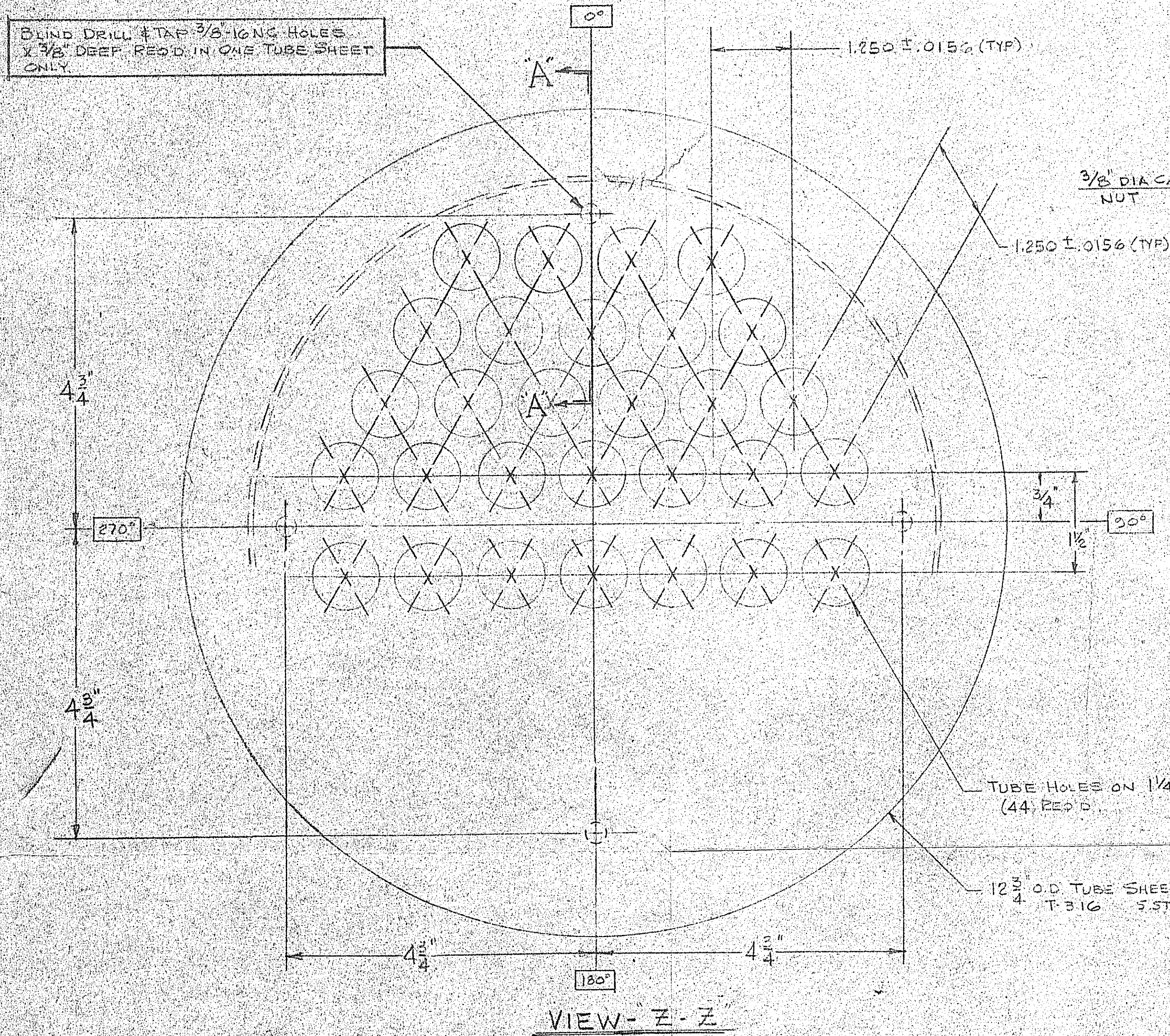
← CENTER TO CENTER
← FROM INSIDE FACE OF TUBESHEET



GASKET DETAILS

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FOR MULTIPLE PASS UNITS REFER TO
MAIN DWG FOR GASKET DIM'S & DETAILS

NO.	DATE	BY	REVISIONS
1			

PERRY PRODUCTS COMPANY
STAINLESS STEEL FABRICATORS

MOUNT LAUREL ROAD • HAINESPORT, NEW JERSEY 08036

DRN. 1112184

DATE 11/12/84

CHKD. JHL

SER. NO. B-3887

10" HEAT EXCHANGER DETAILS

2-PASS 1" TUBES ON 1/4" TRIANGULAR PITCH

JOB NO. 13044

DWG. NO. D-84203

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