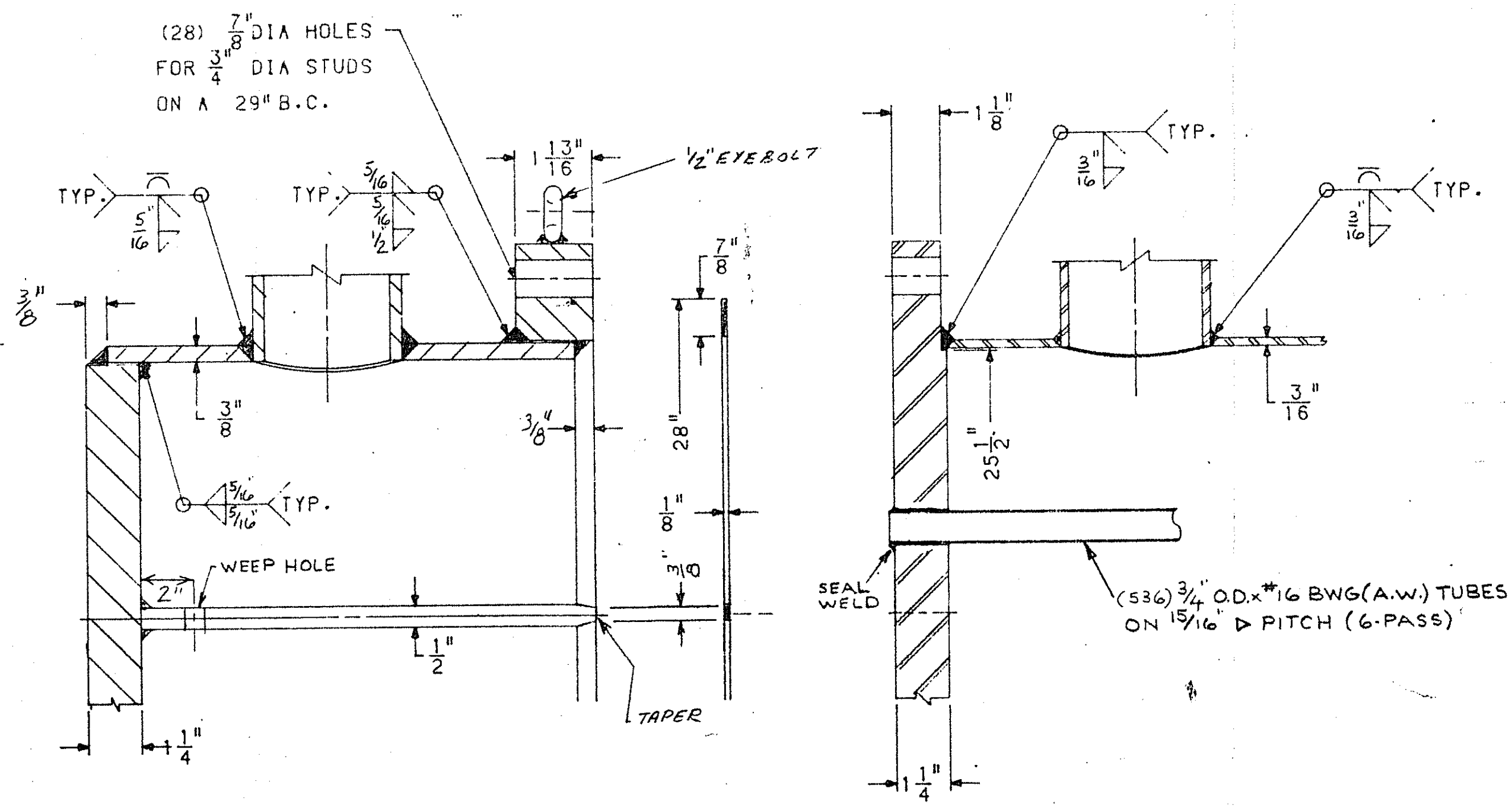
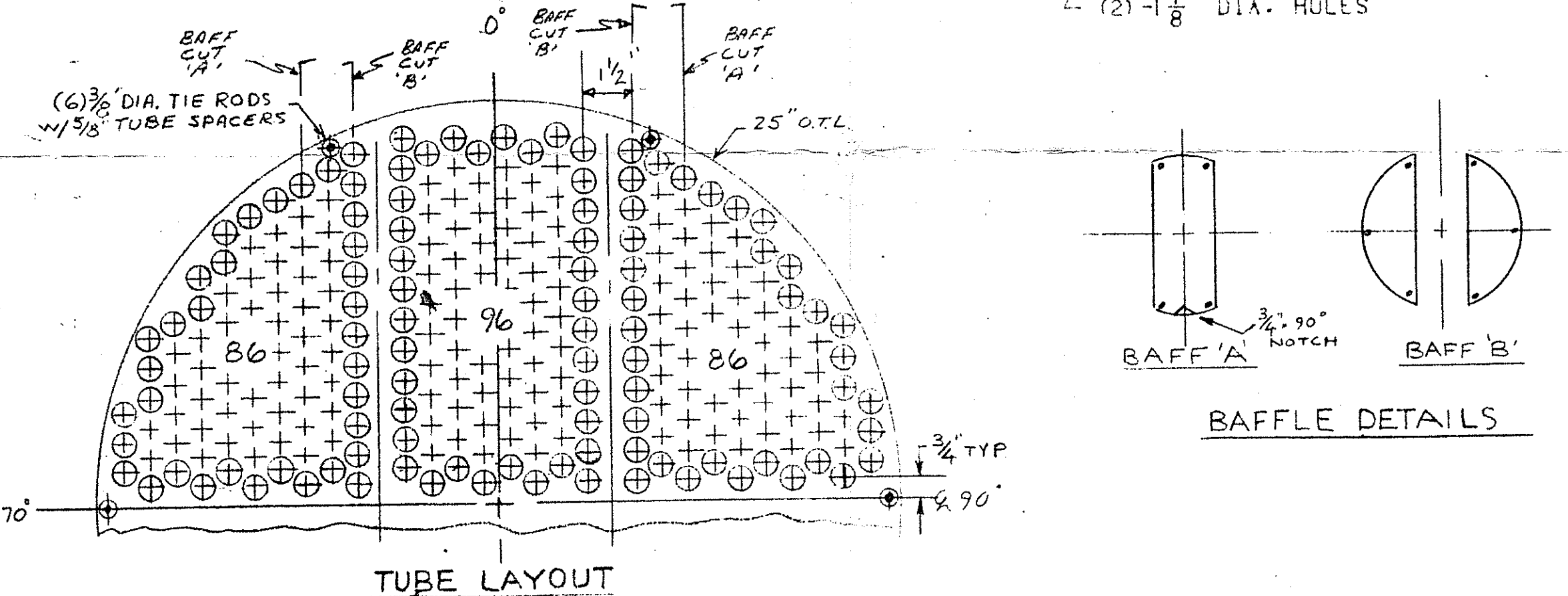
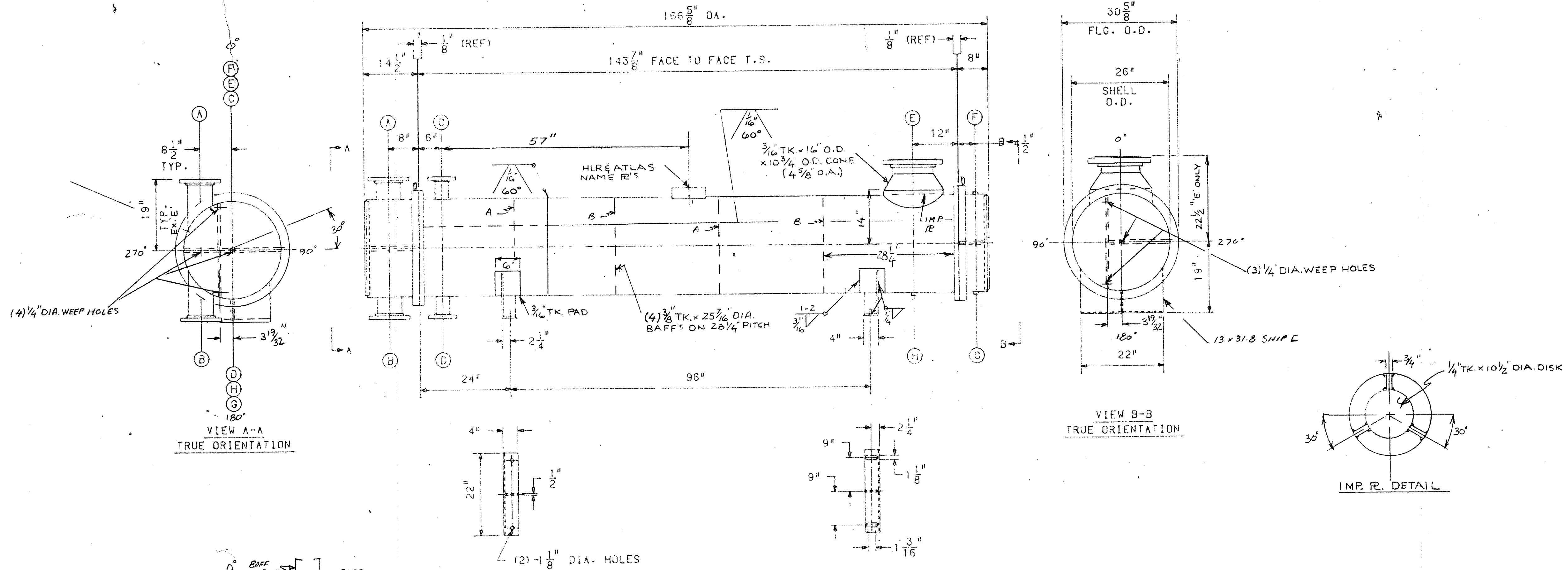




MARK	PURPOSE	SIZE	RATING/TYPE	THKNS
H	DRAIN	3/4"	3000#-HC	
G	DRAIN	3/4"	3000#-HC	
F	VENT	3/4"	3000#-HC	
E	INLET	10"	150#-LJ	0.1650
D	OUTLET	3"	150#-LJ	0.1200
C	VENT	3"	150#-LJ	0.1200
B	INLET	6"	150#-SORF	0.2800
A	OUTLET	6"	150#-SORF	0.2800
NOZZLES/CONNECTIONS				

W/ 3/16" TK. CONE & 16" O.D. x 3/16" TK. NK.

ASME MATERIAL SPECIFICATIONS									
SHELLS			FACINGS	SS-316L	SA-240	BONNETS-CHANNELS		NOZZLE NECKS	C.S.
PIPE			EXPANSION JOINT			WELD CAPS		FITTINGS	F.S.
ROLLED PLATE	SS-316L	SA-240	END PLATE			FORMED HEADS		COVERS	D.PACED
BAFFLES	SS-316L	SA-240	WELD CAPS			PIPE	C.S.	TUBE SHEETS	SS-316L
TIE RODS	SS-316	SA-479	FORMED HEADS			PLATE (PART)	C.S.	TUBES	SS-316L
SPACERS	SS-316L	SA-249	UNIT FLANGES			UNIT FLANGES	C.S.	IMPR. R.	SS-316L
NOZZLE FLGS	F.S.	SA-105	FITTINGS, SCREWED	SS-316L	SA-182	NOZZLE FLGS	F.S.	SUPPORTS	SS-316L
NOZZLE NECKS	SS-316L	SA-312W	CONE & 16" NK	SS-316L	SA-240	SUPPORTS	C.S.		

STUDS	☒ SA-193 GR B7	☐ SA-193 GR
NUTS	☒ SA-194 GR 2H	☐ SA-192 CL 2
GASKETS	☐ COMPRESSED ASBESTOS	☐ DOUBLE JACKETED
SEALING STRIPS	☒ TEFLON (1 SPARE SET REQ'D)	☐ 302 SS-18-B

NOTES

- CONSTRUCTION TO COMPLY WITH ASME CODE SECTION VIII 1980 ED. INCLUDING CERT. & STAMP. TEMA 'B' (+ SUM 82 ADD) FOR INSTALLATION IN STATE OF N.J.
- NAME PLATE STAMPING:

- TEST PRESSURE: SHELL SIDE 38 PSI, TUBE SIDE 150 PSI. CORROSION ALLOW. 0.0625 EX. TUBES.
- WEIGHTS: EMPTY 6121 LBS., FULL OF WATER 9159 LBS.
- PAINT: C.S. W/ CON LUX #35 (3 MILS MIN TO 5 MILS MAX), SANDBLAST: PER SSPC SP-6-C3
- TUBE HOLES TO BE GROOVED PER TEMA
- STRESS RELIEVE: NOT REQ'D.
- RADIOGRAPHY: NOT REQ'D.
- SPECIAL TESTS: NONE
- CUSTOMER'S INSPECTION: REQ'D.
- EXPAND TUBES 1/8" FROM FRONT FACE T.S., 1/8" FROM REAR FACE
- NAT'L. BD. NO. WILL BE ISSUED @ TIME OF SHIPMENT.
- PROTECT NOZZLES W/ WOOD COVERS
- GROSS TUBE SURFACE: 1256 FT²
- MARK P.O. NO., EQ. CODE & POSITION NO. ON SIDE OF SHELL IN LEGIBLE BLOCK NO'S

THIS DRAWING IS
FINAL CERTIFIED
By *Abdullah/CR* DATE *3/1/83*
HOFFMAN-LA ROCHE INC.

ATLAS INDUSTRIAL MANUFACTURING CO.
CERTIFIED CORRECT
DATE *2/28/83*
BY *CR/Kutler*

110-2170
CUSTOMER: HOFFMAN LA ROCHE INC.
P.O. NO. E217620-B
UNITS REQUIRED: ONE (1)
ATLAS JOB NO. 4989
LOCATION: BELVIDERE, N.J.
POSITION NO. 214-E-5703
EQUIP CODE CSE-23000

2	ADDED GIRTH SEAM TO SHELL	CR	APR	2/28/83
1	REV GASKET MAT'L & UNIT FLG WELD	CR	FEB	2/25/83
REV.		CR	APR	

ATLAS INDUSTRIAL MANUFACTURING CO.
81 SOMERSET PLACE
CLIFTON, N. J. #108232

COL. 8 OVERHEAD COND.

SCALE: 3/4"=1'-0" C6 1-25-83 DATE: 1-25-83 C6 1-25-83

D-8400-2

CSE-23000