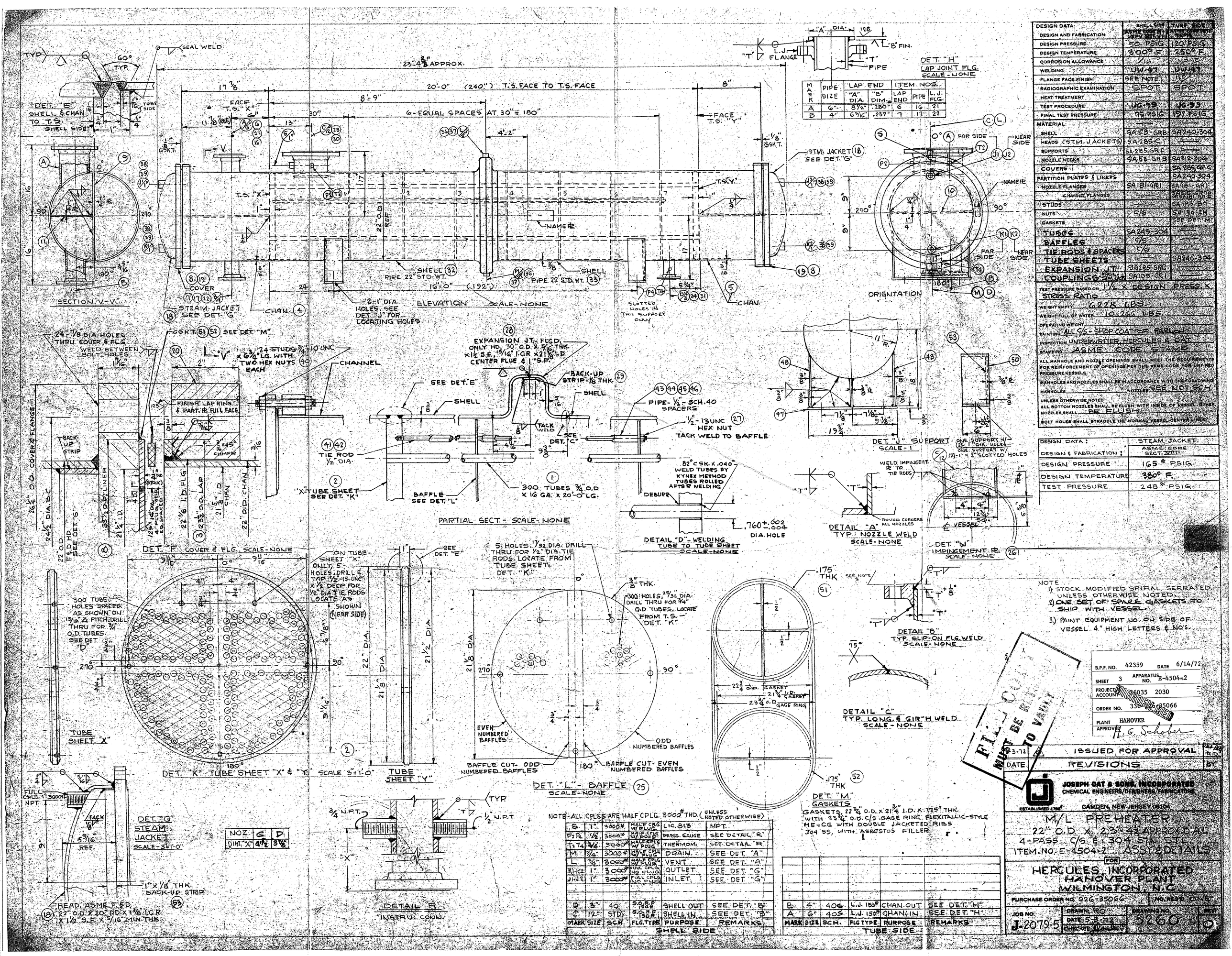

DESIGN DATA:	SHELL SIDE	TUBE SIDE
DESIGN AND FABRICATION	ASME CODE SECT. VIII DIV. 1	ASME CODE SECT. VIII DIV. 1
DESIGN PRESSURE	50 PSIG	120 PSIG
DESIGN TEMPERATURE	300° F	250° F
CORROSION ALLOWANCE	1/16	NONE
WELDING	UW-97	UW-97
FLANGE FACE FINISH	SEE NOTE 1	125
RADIOGRAPHIC EXAMINATION	SPOT	SPOT
HEAT TREATMENT	—	—
TEST PROCEDURE	UG-99	UG-99
FINAL TEST PRESSURE	75 PSIG	137.5 PSIG
MATERIAL:		
SHELL	SA 53-GRB	SA 240-304
HEADS (S.T.M. JACKETS)	SA 285-C	—
SUPPORTS	SA 285 GR C	—
NOZZLE NECKS	SA 53-GR B	SA 312-304
COVERS		SA 285 GR C
PARTITION PLATES & LINERS		SA 240-304
NOZZLE FLANGES	SA 181-GR I	SA 181-GR I
CHANNEL FLANGES		SA 515 GR 70 SA 181 GR II
STUDS		SA 193-B7
NUTS	5/8	SA 194-2H
GASKETS		SEE DET. M
TUBES	SA 249-304	
BAFFLES	5/8	
TIE RODS & SPACERS	5/8	
TUBE SHEETS		SA 240-304
EXPANSION JT.	SA 285-GR C	
COUPLINGS & SHELL	SA 105-GR I	

TEST PRESSURE BASED ON 1 1/4 X DESIGN PRESS. X STRESS RATIO

WEIGHT EMPTY 6228 LBS.

WEIGHT FULL OF WATER 10,266 LBS.

OPERATING WEIGHT

PAINTING ALL S/S - SHOP COAT OF PRIMER

INSPECTION UNDERWRITER, HERCULES & GAT.

STAMPING ASME CODE STAMP

ALL MANHOLE AND NOZZLE OPENINGS SHALL MEET THE REQUIREMENTS FOR REINFORCEMENT OF OPENINGS PER THE ASME CODE FOR UNFIRED PRESSURE VESSELS.

MANHOLES AND NOZZLES SHALL BE IN ACCORDANCE WITH THE FOLLOWING:

MANHOLES — NOZZLES SEE NOZ. SCH.

UNLESS OTHERWISE NOTED ALL BOTTOM NOZZLES SHALL BE FLUSH WITH INSIDE OF VESSEL. OTHER NOZZLES SHALL BE FLUSH

BOLT HOLES SHALL STRADDLE THE NORMAL VESSEL CENTER LINES.

DESIGN DATA:	STEAM JACKET
DESIGN & FABRICATION:	ASME CODE SECT. VIII
DESIGN PRESSURE	165* PSIG
DESIGN TEMPERATURE	380° F.
TEST PRESSURE	248* PSIG

MARK	PIPE SIZE	LAP END "A" DIA.	LAP END "B" DIM.	ITEM NOS. LAP END	ITEM NOS. PIPE	ITEM NOS. L.J. FLG.
A	6"	8 1/2"	.280"	6	16	21
B	4"	6 9/16"	.237"	7	17	22

NOZ.	G	D
DIM. "X"	4 1/2	3 1/8

S	1"	3000#	HALF CPLG W/ PLUG	LIC. 813	NPT.
P1-P2	1/2	3000#	HALF CPLG W/ PLUG	PRESS. GAUGE	SEE DETAIL "R"
T1-T4	3/4	3000#	HALF CPLG W/ PLUG	THERMOM.	SEE DETAIL "R"
M	3/4	3000#	HALF CPLG W/ PLUG	DRAIN	SEE DET. "A"
L	3/4	3000#	HALF CPLG W/ PLUG	VENT	SEE DET. "A"
K1-K2	1"	3000#	FULL CPLG NO PLUG	OUTLET	SEE DET. "G"
J1-J2	1"	3000#	FULL CPLG NO PLUG	INLET	SEE DET. "G"
D	3"	40	S.O. R.F. 150#	SHELL OUT	SEE DET. "B"
C	12"	STD.	S.O. R.F. 150#	SHELL IN	SEE DET. "B"
MARK	SIZE	SCH.	FLG. TYPE	PURPOSE	REMARKS

SHELL SIDE

B	4"	40S	L.J. 150#	CHAN. OUT	SEE DET. "H"
A	6"	40S	L.J. 150#	CHAN. IN	SEE DET. "H"
MARK	SIZE	SCH.	FLG TYPE	PURPOSE	REMARKS

TUBE SIDE