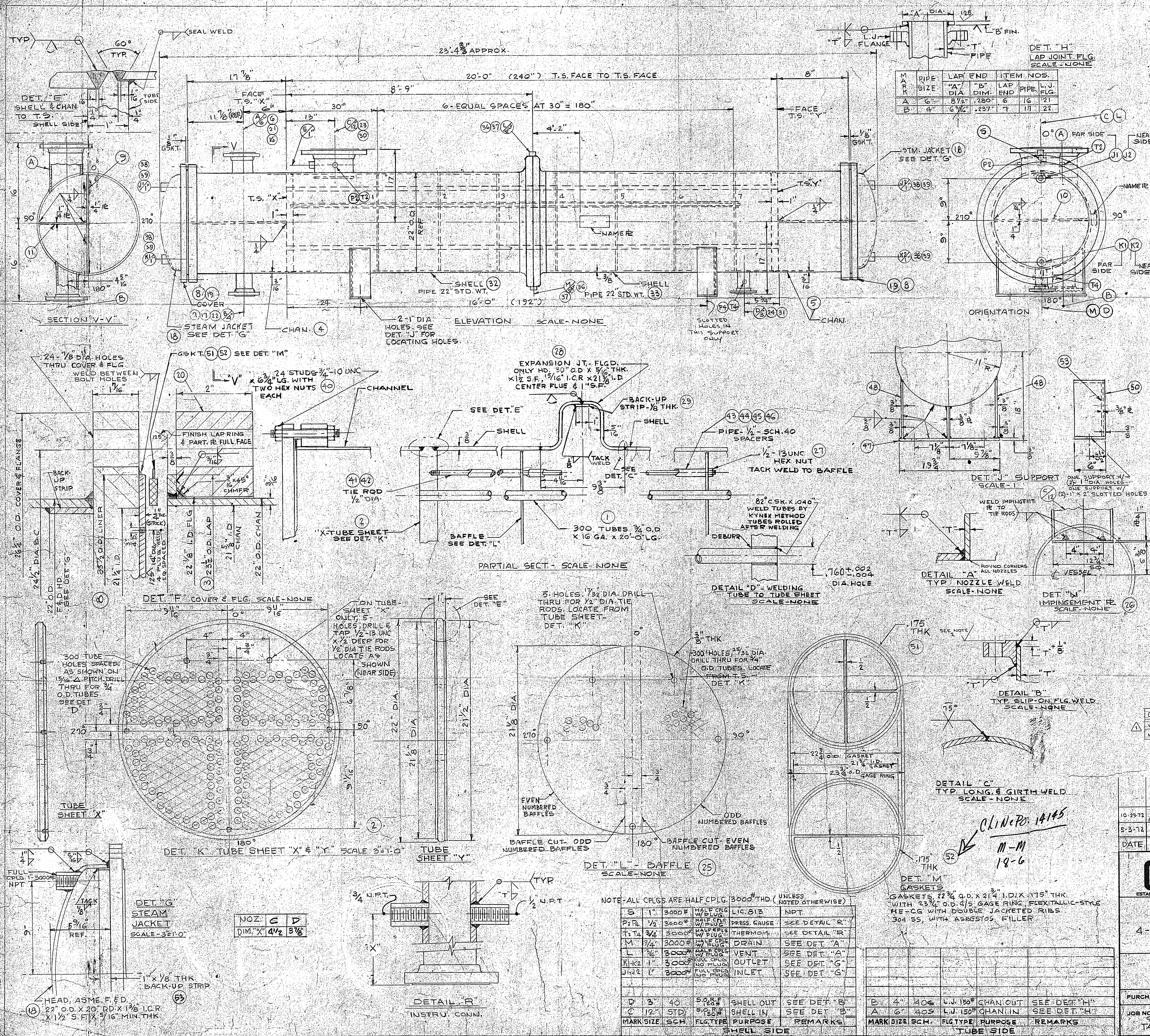




DESIGN DATA:	SHELL SIDE	TUBE SIDE
DESIGN AND FABRICATION:	ASME CODE SEC. VIII	ASME CODE SEC. VIII
DESIGN PRESSURE:	50 PSIG	120 PSIG
DESIGN TEMPERATURE:	300° F	250° F
CORROSION ALLOWANCE:	1/16"	NONE
WELDING:	UW-47	UW-47
FLANGE FACE FINISH:	SEE NOTE 1	135
RADIOGRAPHIC EXAMINATION:	SPOT	SPOT
HEAT TREATMENT:		
TEST PROCEDURE:	UG-99	UG-99
FINAL TEST PRESSURE:	75 PSIG	127 PSIG
MATERIAL:		
SHELL	SA 53-GRB	SA 240-304
HEADS (STM. JACKETS)	SA 285-C	
SUPPORTS	SA 285-GRB	
NOZZLE NECKS	SA 53-GRB	SA 312-304
COVERS		SA 285-GRB
PARTITION PLATES & LINERS		SA 240-304
NOZZLE FLANGES	SA 181-GR1	SA 181-GR1
CHANNEL FLANGES		SA 53-GRB
STUDS		SA 193-B7
NUTS	C/S	SA 194-2H
GASKETS		SEE DET. "M"
TUBES	SA 249-304	
BAFFLES	C/S	
TIE RODS & SPACERS	C/S	
TUBE SHEETS		SA 240-304
EXPANSION JT.	SA 285-GRB	
COUPLINGS	SA 105-GR1	

TEST PRESSURE BASED ON 1/2 X DESIGN PRESS. X STRESS RATIO

WEIGHT EMPTY 6228 LBS.

WEIGHT FULL OF WATER 10,266 LBS.

OPERATING WEIGHT

PAINTING ALL CS-SHOP COAT OF PAVLON

INSPECTION UNDERWRITER, HERCULES & OAT

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 SEC. VIII
DESIGN PRESSURE:	165 * PSIG
DESIGN TEMPERATURE:	380° F
TEST PRESSURE:	248 * PSIG

NOTE

- 1) STOCK MODIFIED SPIRAL SERRATED UNLESS OTHERWISE NOTED.
- 2) ONE SET OF SPARE GASKETS TO SHIP WITH VESSEL.
- 3) PAINT EQUIPMENT NO. ON SIDE OF VESSEL 4" HIGH LETTERS & NOS.

OAT JOB NO.	ITEM NO.	P.O. NO.
J-20795	E-4504-2	026-35066
J-21275	E-6504-02	026-57020

VENDOR	PRINT FILE	43558	DATE	10-27-72
SHEET	2	NOS	E-6504-2	
PROJECT & ACCOUNT NOS.	026057	NO 617		
PURCHASE ORDER NO.	336-026-57020			

10-23-72	PLANT	HANOVER	BY	DATE
5-3-72	REVIEWED	H. G. Schuber	ROYAL	
	APPROVED			
	ENGINEER			
	DATE		REVISIONS	BY

JOSEPH OAT & SONS, INCORPORATED
CHEMICAL ENGINEERS/DESIGNERS/FABRICATORS
ESTABLISHED 1785 CAMDEN, NEW JERSEY 08104

M/L PREHEATER
22" O.D. X 23'-4 1/2" APPROX. O.A.L.
4-PASS C/S & 304 STN. STL.
ASSY. & DETAILS

HERCULES, INCORPORATED
HANOVER PLANT
WILMINGTON, N.C.

PURCHASE ORDER NO. SEE TABLE NO. REQ'D. ONE

JOB NO.	DATE	DRAWING NO.	REV.
SEE TABLE	5-3-72	5260	