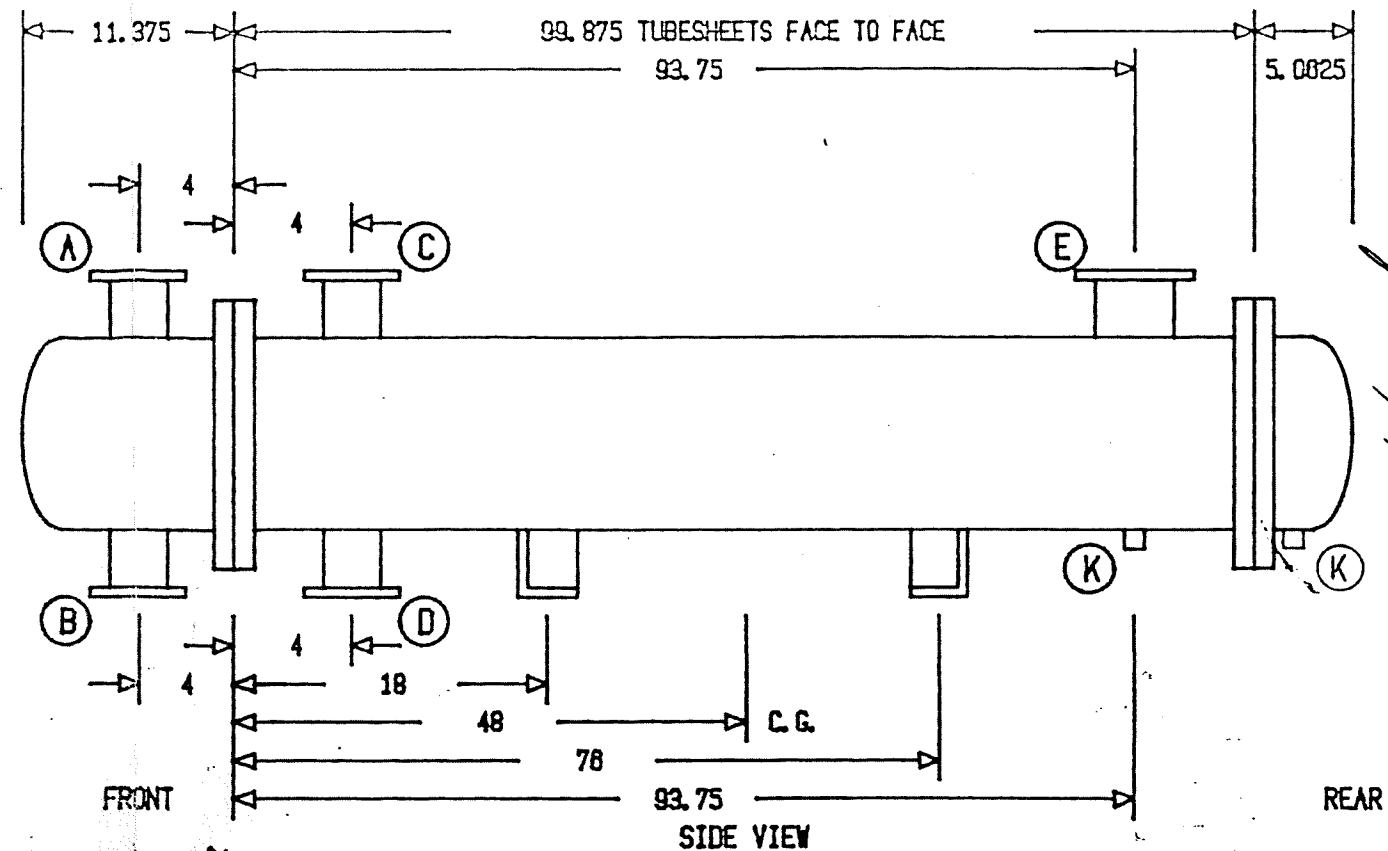
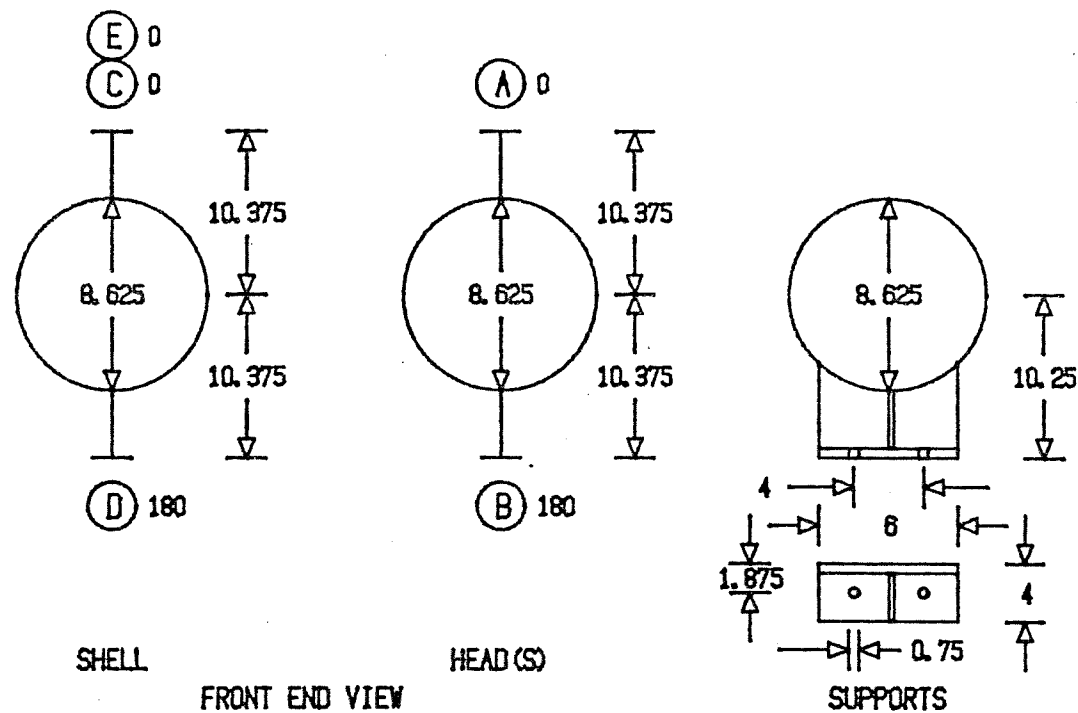


ALL SIZE DIMENSIONS
IN INCHES



Certified By:
KAM THERMAL EQUIPMENT, LTD.
By: *[Signature]* 9/2/86

COMPONENT	O. D.	TKS.	MATERIALS OF CONSTRUCTION	DESIGN SPECIFICATIONS		
					SHELL SIDE	TUBE SIDE
NOZZLE A	1.9	0.065	150 # ANSI S.O. FLG SA-240 WITH SA-312 TP316 WLD HI ALLOY PIPE	DESIGN PRESSURE	90	90
NOZZLE B	1.9	0.065	150 # ANSI S.O. FLG SA-240 WITH SA-312 TP316 WLD HI ALLOY PIPE	TEST PRESSURE	CODE	CODE
NOZZLE C	2.375	0.065	150 # ANSI S.O. FLG SA-240 WITH SA-312 TP316 WLD HI ALLOY PIPE	DESIGN TEMPERATURE	390	390
NOZZLE D	2.375	0.065	150 # ANSI S.O. FLG SA-240 WITH SA-312 TP316 WLD HI ALLOY PIPE	NUMBER OF PASSES	1	2
NOZZLE E	6.625	0.109	150 # ANSI S.O. FLG SA-240 WITH SA-312 TP316 WLD HI ALLOY PIPE	CORROSION ALLOWANCE	0.0	0.0
COUPLING K	0.75		3000 # HALF LENGTH SA-182 F316 HI ALLOY STEEL COUPL	RADIOGRAPHING	NONE	NONE
SHELL CYLINDER	8.625	0.148	SA-312 TP316 WLD HI ALLOY PIPE	TEMA TYPE BEM	SIZE 8-100	AREA 56 ft ²
FRONT HEAD CYLINDER	8.625	0.1875	SA-182 GR F11 ALLOY STEEL FORG	TUBE TYPE BARE	# HOLES 34	LENGTH 100 in
HEAD COVERS	8.625	0.1875	SA-182 F316 HI ALLOY STEEL FORG ELLIPSOIDAL COVER	LAYOUT 0.9375 in TRI	TUBE-TS JOINT EXPANDED	
TUBESHEETS	12.375	0.625	SA-240 GR 316 HI ALLOY STEEL PLT	BAFFLE TYPE SINGLE SEGMENTAL	CUT 50 % H	NO 3
FRONT HEAD FLANGE AT TS	12.375	0.75	SA-240 GR 316 HI ALLOY STEEL PLT RING FLANGE	BAFFLE SPACING (C-C)	26.0	AT INLET 23.375 in
REAR HEAD FLANGE AT TS	12.375	0.8125	SA-240 GR 316 HI ALLOY STEEL PLT RING FLANGE	IMPINGEMENT PROTECTION	NONE	
HEAD GASKETS AT TBSHTS	9.75	0.125	GYLON 3504 1/8" TK PERIPH. WIDTH 0.375 in	CODE ASME SEC. VIII DIV. 1	TEMA CLASS	
HEAD BOLTING AT TBSHTS	0.625		SA-193 B8 CL. 1 (304) HI ALLOY STEEL BLT 8 BOLTS ON 10.875 in B.C.	WEIGHT EMPTY 434	FULL 643	BUNDLE 188 lb
TUBES	0.75	0.049	SA-249 TP316 WLD HI ALLOY TUBE BARE TUBES	DRAWN BY CKD BY	APVD BY	
BAFFLES	8.25	0.125	SA-240 GR 316 HI ALLOY STEEL PLT	KAM THERMAL EQUIPMENT, LTD. OZONE PARK, NEW YORK AMERICAN HOECHST CORP. COVENTRY R.I. P.O.- 508191 DATE-4-17-86 DWG.-B 6461 ST		
SHELL SUPPORTS		0.375	SA-240 GR 316 HI ALLOY STEEL PLT			
			ITEM-B 314			

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