



ANSI NOZZLE SCHEDULE					
MARK	SIZE	RATE	FACE	NOZZLE NECK	SERVICE
A	1 1/2"	150#	TUBE	SIDE	
B	1 1/2"	150#	LS	SC4180	
C	1 1/2"	200#	THD	SC4180	VENT
D	1 1/2"	150#	REIN	SC4180	
E	1"	200#	THD	SC4180	VENT
F	1"	200#	THD	SC4180	VENT
G	1"	200#	THD	SC4180	VENT

ASME CODE REQUIREMENTS			
DESIGN PRESSURE	PSID	SHELL SIDE	TUBE SIDE
75	350	75	78
DESIGN TEMPERATURE	°F	350	410
HYDRO TEST PRESSURE	PSIG	155	120
CORROSION ALLOWANCE		1/8"	NONE
POSTWELD HEAT TREATMENT		NONE	NONE
RADIOGRAPHIC EXAMINATION		NONE	NONE

NON-PRESSURE PARTS			
SUPPORTS / BARS	SA-36		
BAFFLES / SUPPORTS	SA-240 TP 316		
TIE RODS / SINGERS	316		
DUMMY TUBES	SA-240 TP 316		
LIFT LUGS	SA-240 TP 304		

NOTES			
1. EST. WT. EMPTY:	700#	FULL:	850#
2. ALL BOLT HOLES STRADDLE NORMAL CENTER LINES.		BOL:	200#
3. RAYBROOD COVERS ON ALL OPEN NOZZLES.			
4. 1/2" MAIN GASKET SURFACES			
5. FINISH: SEE SHEET 2 FOR NOTES			

PART	QTY	DESCRIPTION	WELL	AVG
TUBES	SA-240 TP 316 L (WELDED)			
BAFFLES	SA-240 TP 316			
TIE RODS	SA-240 TP 316			
DUMMY TUBES	SA-240 TP 316			
LIFT LUGS	SA-240 TP 304			

PART	QTY	DESCRIPTION	WELL	AVG
VESSEL	SA-53 GR B	SMLS	SA-312 TP 316	
COVERS				
FORMED HEADS	SA-105	SA-312 TP 316 (SA-402 WR)		
NOZZLE FLANGES	SA-105	SA-105		
NOZZLE PIPE	SA-105	SA-312 TP 316		
STUDS / NUTS	SA-193 - B77SA - 194 - 2H	SA-193 - B77SA - 194 - 2H		
GASKETS / NUTS	SA-105	1/2" THK COMP AL-88		
COLD PLATES				
PICKING				
FLLOATING BARREL				
FLAATING HD COVER				
WPS P-D1	W-42 (SMALL)	W-172 (EAW)	W-109 (EAW)	
WPS D-B	W-215 (SMALL)	W-112 (EAW)		
WPS B-B	W-3 (SMALL)	W-81 (EAW)	W-90 (SAW)	

P.O. BOX 5906 TUSCALOOSA, AL 35405
 SOUTHERN HEAT EXCHANGER CORP.
 DATE 9-2-87 ORDER NO. DWG NO SM-1920-1
 BVA WEST 82-101 SHEET 1 OF 2