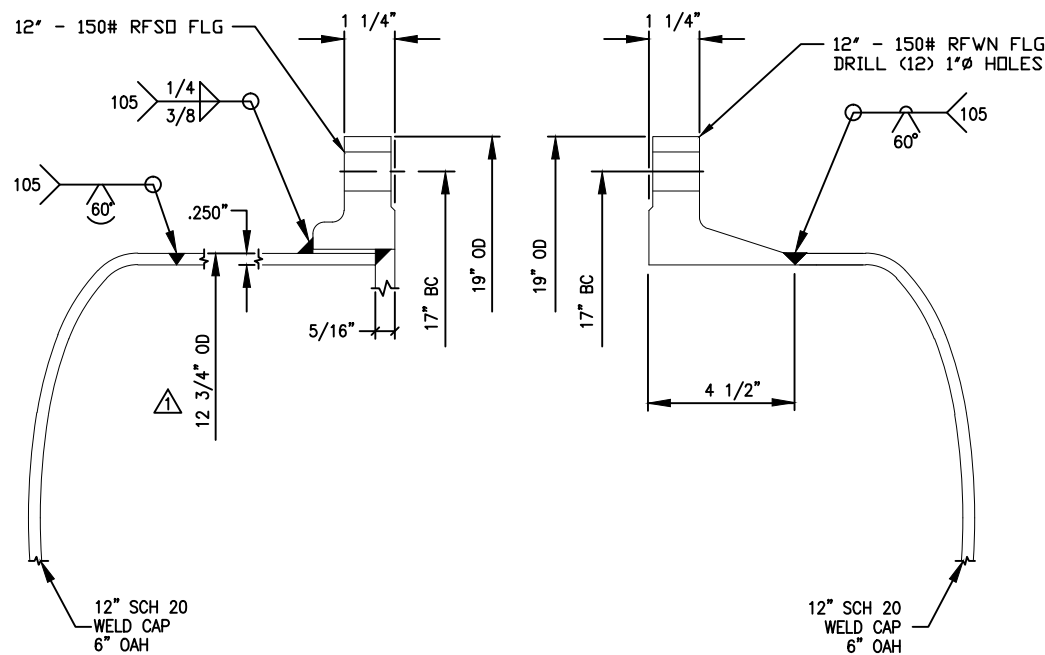
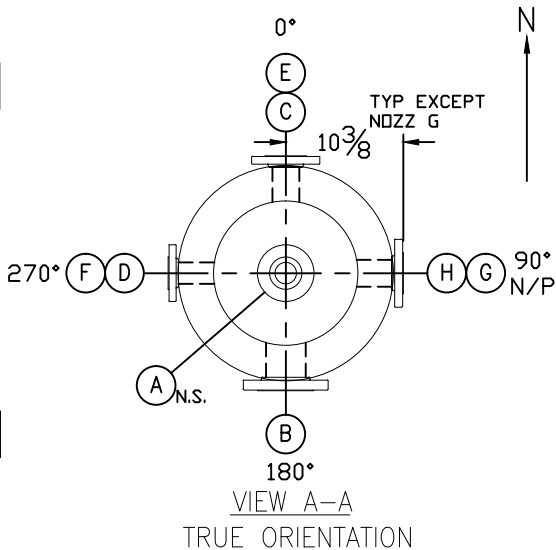
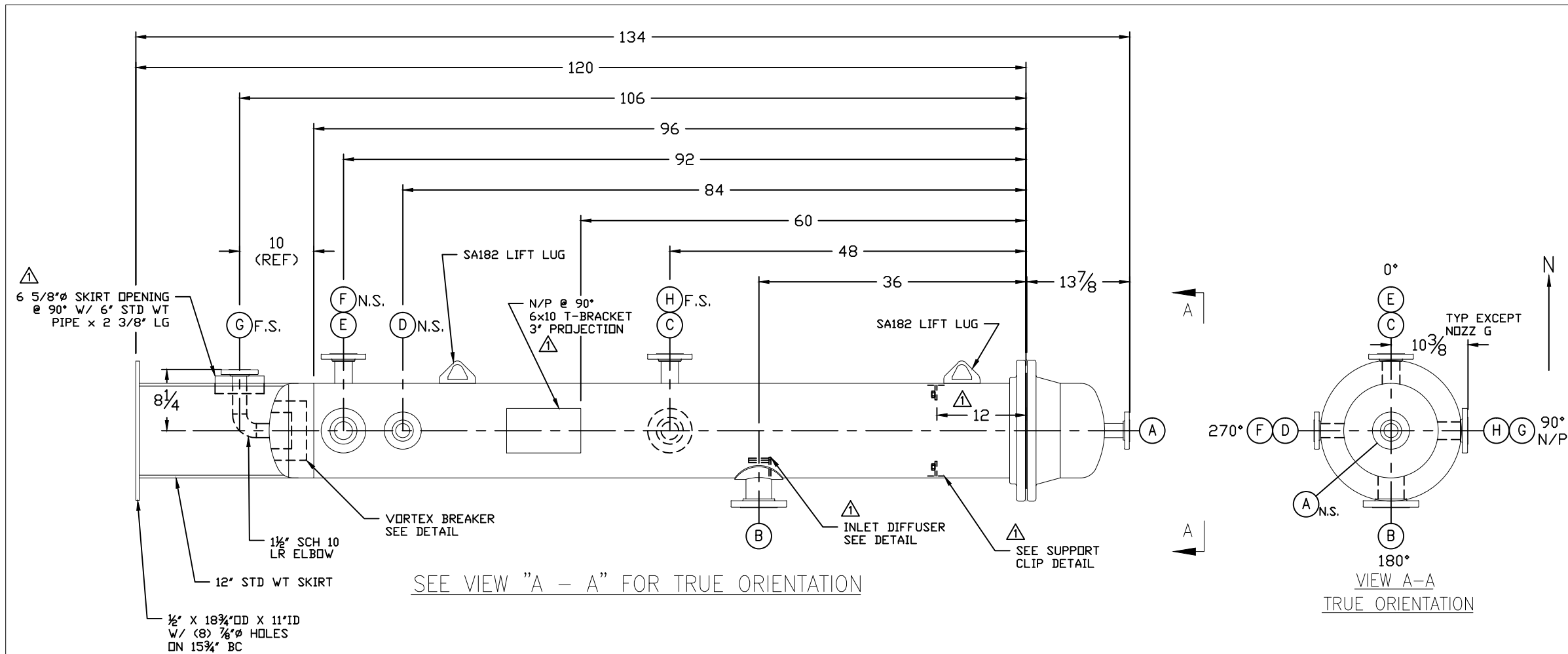


1	CUSTOMER COMMENTS	GK2	12/19/13
NO.	REVISION	BY	DATE

GENERAL NOTES			
1.	ALL DIMENSIONS ARE IN INCHES.		
2.	ALL BOLT HOLES STRADDLE BOTH NATURAL CENTERLINES.		
3.	ALL NOZZLES TO BE FLUSH WITH INSIDE CONTOUR OF SHELL & CHANNEL.		
4.	INSIDE EDGES OF TUBESHEET TUBE HOLES TO BE DEBURRED.		
5.	NUMBER OF UNITS REQUIRED: (ONE)		
6.	SHIPPING WT. 550 LBS.		
	FLOODED WT. 1050 LBS.		
	BUNDLE WT. ---- LBS.		
7.	ALL MACHINED GASKET SURFACES TO RECEIVE A 125-250 RA FINISH.		
8.	INTERNAL & EXTERNAL WELDS SHALL BE NEAT IN APPEARANCE, FREE OF SLAG, UNDERCUTS & OTHER DEFECTS. ALL HEAT TINT SHALL BE REMOVED.		
9.	PROTECT ALL FLANGE FACES WITH WOOD OR PLASTIC COVERS BEFORE SHIPMENT.		
10.	ALL MATERIAL TO BE DUAL CERTIFIED 304/304L SS.		

MATERIAL SPECIFICATIONS		
SHELL SIDE	PART	TUBE SIDE
SA312-304	SHELL & BONNET	
SA182-304	GIRTH FLANGES	
SA312-304	NOZZLE NECKS	
SA182-304	NOZZLE FLANGES	
	COUPLINGS	
SA403-304L	COVERS	
	TUBESHEET	
SP WND SS	GASKETS 1/8" THK	
	BAFFLES	
	TUBES	
	TIE RODS & SPACERS	
SA193-B7 ZINC PLATED	BOLTS	
SA194-2H ZINC PLATED	NUTS	
SS 304	SUPPORTS	
	SUPPORT PADS	
	LINERS	

NOZZLE SCHEDULE						
TAG	SIZE	QTY	SERVICE	TYPE	NECK	REMARK
A	1 1/2	1	VAPOR OUTLET	150# RFSO	SCH 40	
B	3	1	INLET	150# RFSO	SCH 40	
C	2	1	LEVEL	150# RFSO	SCH 40	
D	1 1/2	1	PUMP RETURN	150# RFSO	SCH 40	
E	2	1	LEVEL	150# RFSO	SCH 40	
F	2	1	TEMPERATURE	150# RFSO	SCH 40	
G	1 1/2	1	LIQUID OUTLET	150# RFSO	SCH 40	
H	2	1	LEVEL SWITCH	150# RFSO	SCH 40	

DESIGN CONDITIONS			
CODE:2010 ASME SECTION VIII, DIV 1 (2011 ADDENDA) TEMA CLASS: ---			
SQ. FT. OF OUTSIDE TUBE SURFACE ---			
DESIGN & TEST	SHELL SIDE		TUBE SIDE
DESIGN PRESSURE	FV TO 75	PSIG	PSIG
DESIGN TEMPERATURE	-20 TO 200	°F	°F
TEST PRESSURE	98	PSIG	PSIG
CORROSION ALLOW.	0.031	INCH	INCH
NO. OF PASSES	1		
STRESS RELIEVE	NONE		
RADIOGRAPH	SPOT		

HETRICK MFG., INC.			
NEW KENSINGTON, PA 15068 (724) 335-0455			
TITLE	BPM12-96		
SERVICE	PRE-CUT REFLUX DRUM		
DRAWN BY: CK	10-9-13	CUSTOMER: OBERON FUELS	
CHECKED: C. KINNEY	10-10-13	CUST PO#: HET-16SEP13	
APPROVED: G. KNOELLER	10-10-13	ITEM NO: D-2620	
SHOP ORDER NUMBER	SCALE	DRAWING NUMBER	REV
913-4755A	NTS	B-6244	1