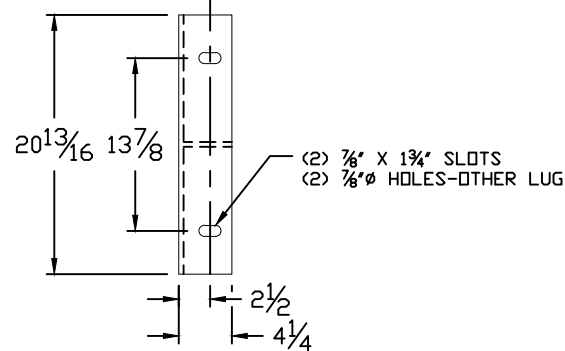
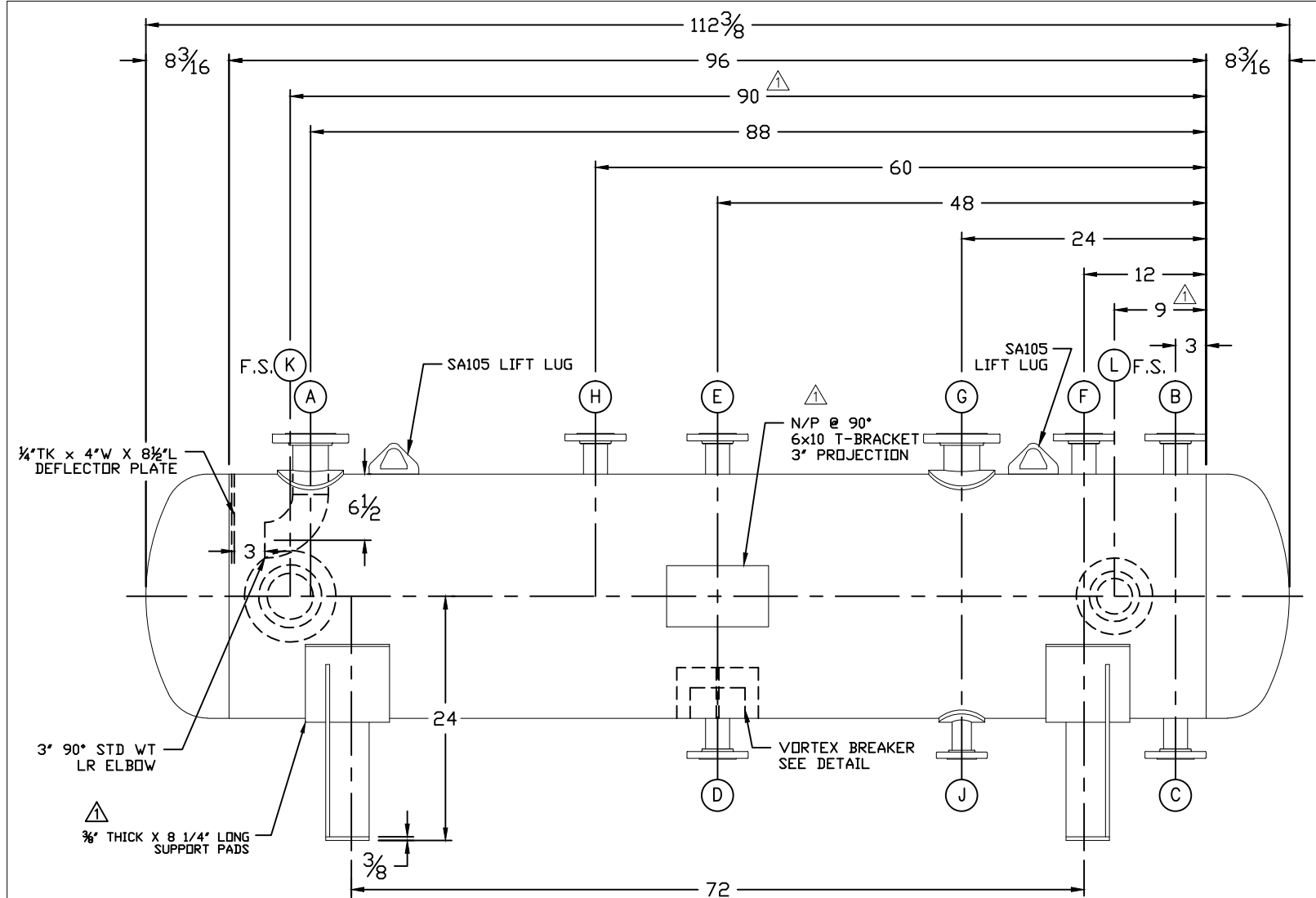
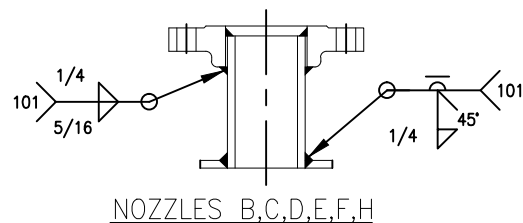
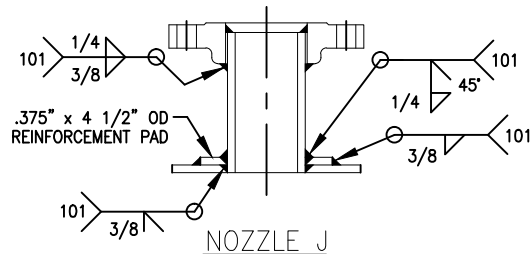
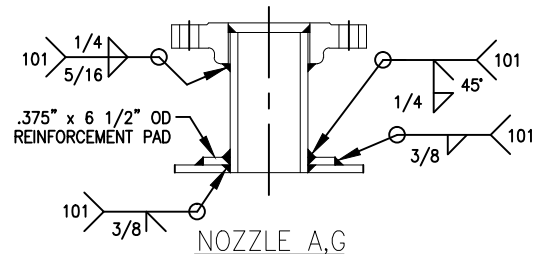


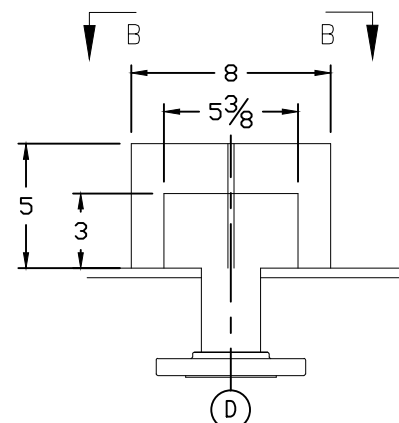
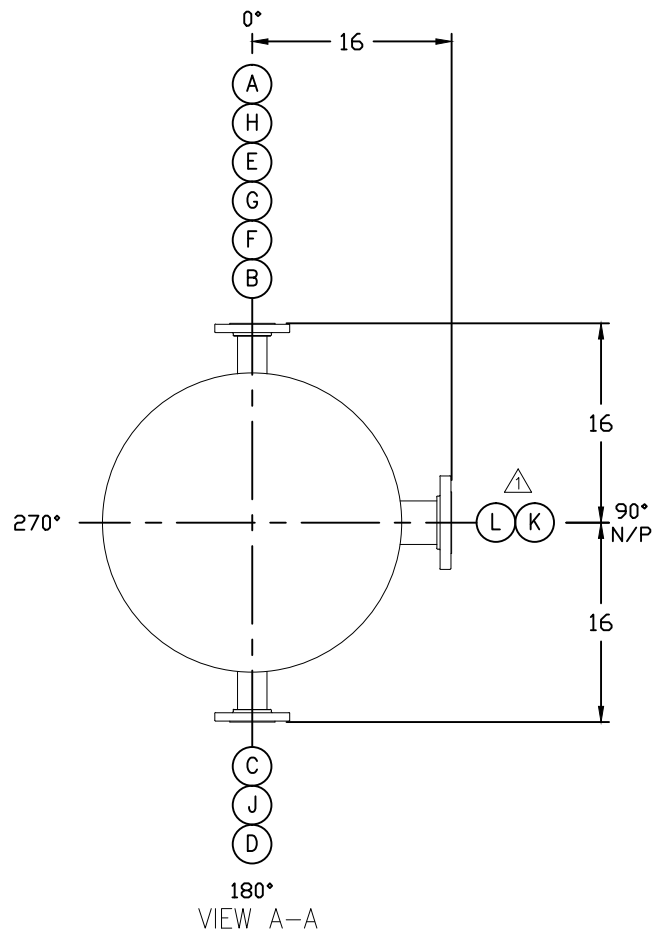
VIEW B-B



10. UNITS ARE TO BE PAINTED IN ACCORDANCE WITH UNITEC TECHNOLOGIES
ENGINEERING SPECIFICATION ES-PC-1002 SYSTEM B.

A

A



VORTEX BREAKER DETAIL

GENERAL NOTES

- ALL DIMENSIONS ARE IN INCHES.
- ALL BOLT HOLES STRADDLE BOTH NATURAL CENTERLINES.
- ALL NOZZLES TO BE FLUSH WITH INSIDE CONTOUR OF SHELL & CHANNEL.
- INSIDE EDGES OF TUBESHEET TUBE HOLES TO BE DEBURRED.
- NUMBER OF UNITS REQUIRED: (ONE)
- SHIPPING WT. 1170 LBS.
FLOODED WT. 3000 LBS.
BUNDLE WT. --- LBS.
- ALL MACHINED GASKET SURFACES TO RECEIVE A 125-250 RA FINISH.
- INTERNAL & EXTERNAL WELDS SHALL BE NEAT IN APPEARANCE, FREE OF SLAG, UNDERCUTS & OTHER DEFECTS. ALL HEAT TINT SHALL BE REMOVED.
- PROTECT ALL FLANGE FACES WITH WOOD OR PLASTIC COVERS BEFORE SHIPMENT.

MATERIAL SPECIFICATIONS

SHELL SIDE	PART	TUBE SIDE
SA106B	SHELL & BONNET	
	GIRTH FLANGES	
SA106B	NOZZLE NECKS	
SA105	NOZZLE FLANGES	
	COUPLINGS	
SA516-70	COVERS	
	TUBESHEET	
	GASKETS	
C/STL	BAFFLES	
	TUBES	
	TIE RODS & SPACERS	
	BOLTS	
	NUTS	
C/STL	SUPPORTS	
	SUPPORT PADS	
	LINERS	

NOZZLE SCHEDULE

TAG	SIZE	QTY	SERVICE	TYPE	NECK	REMARK
A	3	1	LIQUID INLET	150# RFSO	STD WT	
B	2	1	LEVEL	150# RFSO	SCH 80	
C	2	1	LEVEL	150# RFSO	SCH 80	
D	2	1	LIQUID OUTLET	150# RFSO	SCH 80	
E	2	1	LIQUID INLET	150# RFSO	SCH 80	
F	2	1	LEVEL SWITCH	150# RFSO	SCH 80	
G	3	1	TO ATM	150# RFSO	STD WT	
H	2	1	VAPOR PRES. BAL.	150# RFSO	SCH 80	
J	1 1/2	1	PUMP RETURN	150# RFSO	SCH 160	
K	4	1	INSPECTION PORT	150# RFSO	SCH 80	
L	3	1	INSPECTION PORT	150# RFSO	SCH 80	

DESIGN CONDITIONS

CODE: 2004 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	PSIG
DESIGN TEMPERATURE	-20 TO 300 °F	°F	°F
TEST PRESSURE	98 PSIG	PSIG	PSIG
CORROSION ALLOW.	.125 INCH	INCH	INCH
NO. OF PASSES	1		
STRESS RELIEVE	NONE		
RADIOGRAPH	SPOT		

HETRICK MFG., INC.
LOWER BURRELL, PA 15068 (724) 335-0455

TITLE	BPM24-96		
SERVICE	ATM CONDENSATE DRUM		
DRAWN BY: CK	10-9-13	CUSTOMER: OBERON FUELS	
CHECKED: G. KNOELLER	10-10-13	CUST PO#: HET-16SEP13	
APPROVED: O. BURK	10-10-13	ITEM NO: D-2955	
SHOP ORDER NUMBER	SCALE	DRAWING NUMBER	REV
913-4755C	NTS	B-6246	1