

	NOZZLE SCHEDULE							
MK	SIZE	RATING	FACING	PROJ.	SERVICE	REMARKS		
N1	20''		BUTT WELD	6''	VAPOR INLET	FR ET-4103		
N2	6''	150 LB	LJ FLG	6''	LIQUID RETURN	TO PC-4104		
N3	6''	150 LB	LJ FLG	6''	LOWER CIP	FR TP-4105		
N4	6''	150 LB	LJ FLG	6''	UPPER CIP	FR TP-4105		
N5	20''		BUTT WELD	6''	VAPOR DISCH	TO TW-4101		
M1	24"				MANWAY W/HINGE OR DAVIT			
W1			WELD PAD		SIGHTGLASS W/4" VIEW			
W2			WELD PAD	N/A	SIGHTGLASS W/4" VIEW			
A1	14"	ATMO	PLAIN	3''	SKIRT PENETRATION FOR N2			
A2	24"	ATMO	PLAIN	3''	SKIRT ACCESS			
A3	3''	ATMO	O PLAIN		FIRE PROTECTION			

- 1.) THE FABRICATOR IS RESPONSIBLE FOR THE DESIGN & STRUCTURAL INTEGRITY OF THE TANK.
- 2.) WIND AND SEISMIC LOAD PER BOCA 1996 SNOW LOAD, $P_g = 20$ PSF
- 3.) ALL NON CONTACT SURFACES TO BE CARBON STEEL
- 4.) FABRICATOR TO SUPPLY BRACKETS FOR VENDOR NAMEPLATE AND THERMAL KINETICS SYSTEMS NAMEPLATE
- 5.) ALL CARBON STEEL PARTS ATTACHED TO STAINLESS STEEL PARTS SHALL BE ATTACHED USING 304L STAINLESS STEEL. SCAB PLATES SHALL BE USED WITH ATTACHMENTS FOR VESSEL WALL THICKNESS OF 3/16" OR LESS. 304L STAINLESS STEEL PARTS MAY BE USED INSTEAD OF CARBON STEEL AT THE VENDORS OPTION.
- 6.) ALL NOZZLES SHALL BE SQUARE, PLUMB, AND ACCURATELY LOCATED TO THE FOLLOWING TOLERANCES:

A) OVERALL DIAMETER AND HEIGHT: ± 1/2" B) FLATNESS:

C) NOZZLE LOCATION: ± 1/4" FROM CENTERLINES D) PROJECTION: ± 1/8" FROM OUTSIDE SHELL TO FACE OF NOZZLE

E) FLANGE FACES: 1/2" IN ANY PLANE

7.) FABRICATOR TO PROVIDE VESSEL COMPLETE WITH LIFTING AND TRAILING LUGS FOR HANDLING AND ERECTION

8.) FABRICATOR SHALL PROVIDE AND ORIENT (4) EA. 2" SCH. 40 SKIRT VENTS APPROX. EQUAL SPACING AND TO CLEAR ALL SKIRT OPENINGS, SEAMS, SUPPORT CLIPS, ETC.

GF-1-73338: GENERAL FABRICATION STANDARDS FOR PRESSURE VESSELS & HEAT EXCHANGERS

- 6018-MD-4001

				NO.	ZZLE SCHEDULE		DESIGN DATA					
K SIZE RATING FACING PROJ. SERVICE REMARKS						REMARKS	CODE: ASME V111 DIV 1 STAMPED AND REGISTERED					
1	20''		BUTT WELD	6''	VAPOR INLET	FR ET-4103	SPECIFIC GRAVITY/CONTENTS: 1.09					
2	6''	150 LB	LJ FLG	6''	LIQUID RETURN	TO PC-4104	DESIGN PRESS.: 75/FV (psig) DESIGN TEMP.: 250	(°F)			
3	6''	150 LB	LJ FLG	6''	LOWER CIP	FR TP-4105	OPERATING PRESS.: 12.26 (psic) OPERATING TEMP.: 203	(°F)			
4	6''	150 LB	LJ FLG	6''	UPPER CIP	FR TP-4105	MDMT: -20°F					
5	20''		BUTT WELD	6''	VAPOR DISCH	TO TW-4101	CORROSION ALLOWANCE: NONE					
11	24''				MANWAY W/HINGE OR DAVIT		No. & TYPE OF TRAYS: 8" THICK MIST ELIIMINATOR					
/1			WELD PAD	N/A	SIGHTGLASS W/4" VIEW		STRESS RELIEF:					
2			WELD PAD	N/A	SIGHTGLASS W/4" VIEW		TESTS:					
.1	14"	ATMO	PLAIN	3''	SKIRT PENETRATION FOR N2		WIND: BASIC WIND SPEED: 80 MPH	SEISMIC: $A_V = 0.05$				
2	24''	ATMO	PLAIN	3''	SKIRT ACCESS		WIND IMPORTANCE FACTOR: 1.0	$A_a = 0.05$				
3	3''	ATMO	PLAIN	3''	FIRE PROTECTION							
							WEIGHT EMPTY: (lbs)	WEIGHT FLOODED:	(lbs)			

(lbs) VOLUME: (gal) WEIGHT INSULATION:

NUZZLE LUAUS									
MK	F _R (lbs)	MR (ft/lbs)	MK	F _R (lbs)	M _R (ft/lbs)				
N1	5700	10068	N4	1500	2394				
N2	1500	2394	N5	5700	10068				
N3	1500	2394							

MATERIALS OF CONSTRUCTION								
ITEM	MATERIAL	COMMENTS						
SHELL	304L SS							
HEADS	304L SS	2:1 ELLIPTICAL						
JACKET	NONE							
CLADING/LINER	NONE							
INTERNAL SUPPORTS	304LSS	DEMISTER SUPPORT RING						
GASKETS	IFG 5500							
BOLTING	SEE SPEC GF-1-73335							
LADDER	CS	CLIPS ONLY						
PLATFORMS	CS	CLIPS ONLY						
VESSEL SUPPORTS	CS	SKIRT						
PAINT:	SEE SPEC GF-1-73335 CL-1							
SURFACE PREP:	SEE SPEC GF-1-73335 CL-1							
INSULATION:	2" FG-TOP HEAD Ca Si	PURCHASER TO PROVIDE						

CONFIDENTIAL

SEPARATOR - RC COND./BC REBOILER



73338 Buffalo, NY 14220 CENTRAL ILLINOIS

B -SIZE

							THIS DRAWING IN DESIGN AND DETAIL IS THE MUST NOT BE USED FOR ANY PURPOSE OTHE			SHEET No.:
	В	ISSUED FOR REVIEW & COMMENT	7-14-06	KAR	JL	_	FURNISHED. ALL RIGHTS OF DESIGN AND INVE		HT 2006	1 of 1
1	_					_	SPEC. No.:	SCALE:	SIZE:	DRAWING No.:
	Α	ISSUED FOR BID	06-26-06	RJS	-		GF-1-73338	NONE	П	2010 110 110-
	REV	REVISION	DATE	DWN	CHK	CLIENT	DRAWN BY: DATE: CHECKEL	D BY: DATE:	В	6018-MQ-4105

667 Tifft Street