

DO NOT SCALE THIS DRAWING

NOTES:

- 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: $\pm 1/2"$
 - B) FLATNESS: $\pm 1/4"$
 - C) NOZZLE LOCATION: $\pm 1/4"$ FROM CENTERLINES
 - D) PROJECTION: $\pm 1/8"$ 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

SPECIFICATIONS:

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

REF. DWG'S:

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NOZZLE SCHEDULE							DESIGN DATA	
MK	SIZE	RATING	FACING	PROJ.	SERVICE	REMARKS	CODE: ASME VIII DIV1 STAMPED AND REGISTERED	
N1	14"	150 LB	RFSO	6"	INLET	FR TW-4301/TW-4302	SPECIFIC GRAVITY/CONTENTS: 0.24	
N2	14"	150 LB	RFSO	6"	OUTLET	TO ET-4104	DESIGN PRESS.: 75/FV (psig)	DESIGN TEMP.: 450

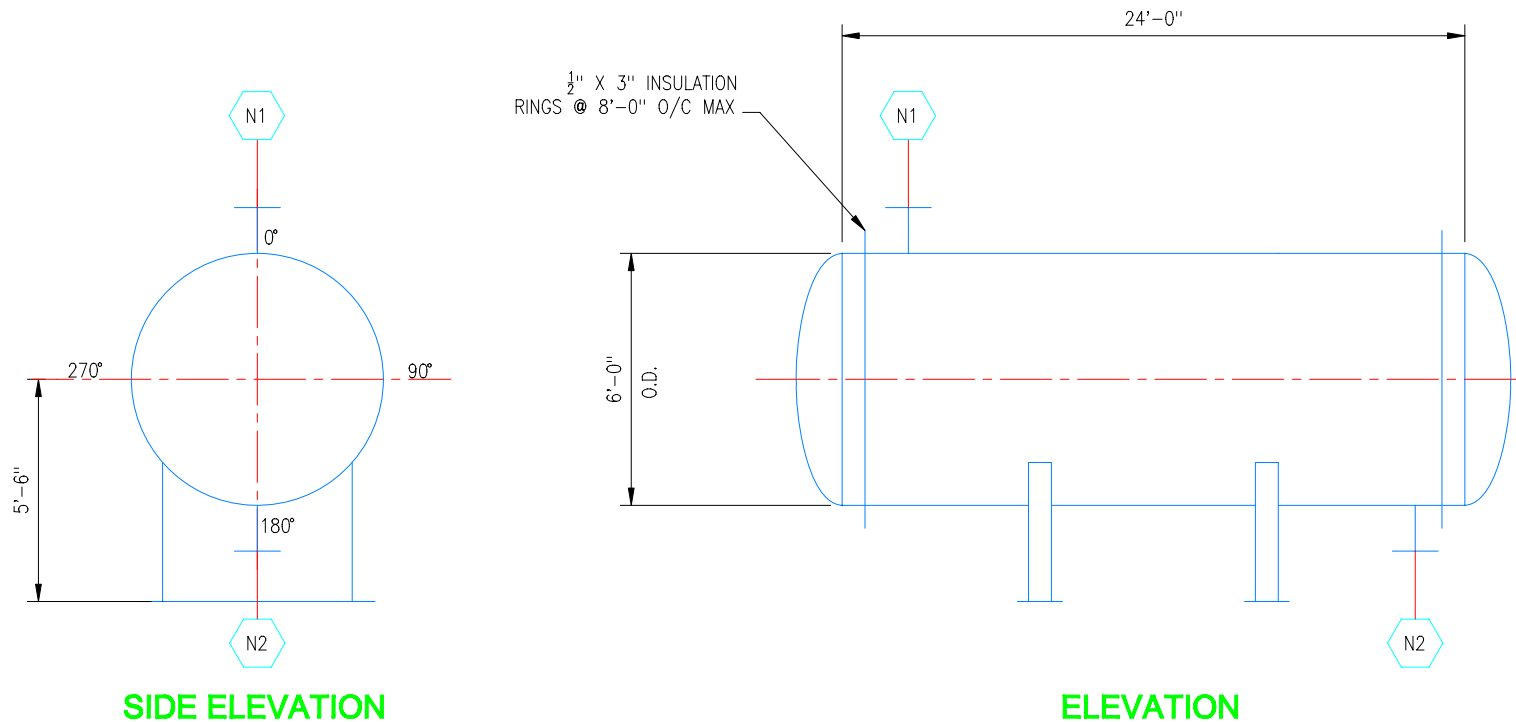
OPERATING PRESS.: 38 (psia)	OPERATING TEMP.: 310
MDMT: -20°F	
CORROSION ALLOWANCE: 1/16"	
No. & TYPE OF TRAYS: N/A	
STRESS RELIEF:	
TESTS:	
WIND: BASIC WIND SPEED: 80 MPH WIND IMPORTANCE FACTOR: 1.0	SEISMIC: $A_v = 0.05$ $A_o = 0.05$
WEIGHT EMPTY: VENDOR TO PROVIDE (lbs)	WEIGHT FLOODED:
VOLUME: VENDOR TO PROVIDE (gal)	
WEIGHT INSULATION: VENDOR TO PROVIDE	

NOZZLE LOADS

MK	FR (lbs)	MR (ft/lbs)	MK	FR (lbs)	MR (ft/lbs)
N1	4400	6332			
N2	4400	6332			

MATERIALS OF CONSTRUCTION

ITEM	MATERIAL	COMMENTS
SHELL	CS	
HEADS	CS	2:1 ELLIPTICAL
JACKET	N/A	
CLADING/LINER	N/A	
INTERNAL SUPPORTS	N/A	
GASKETS	IFG5500	
BOLTING	SA-193-B7/S14-194-2H	
LADDER	N/A	
PLATFORMS	N/A	
VESSEL SUPPORTS	CS	SADDLES
PAINT: SEE SPEC GF-1-73338 CL-1		
SURFACE PREP: SEE SPEC GF-1-73338 CL-1		
INSULATION: 3" FIBERGLASS PURCHASER TO PROVIDE		



CONFIDENTIAL

ACCUMULATOR-OUTLET

		EQUIPMENT No.: TP-4302	
Evaporation/Distillation/Chemical Reactor/Process Design & Energy Conservation 667 Tiftt Street Buffalo, NY 14220		PROJECT No.: 73338	
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SPEC. No.: GF-1-73338 SCALE: NONE SIZE: B		SHEET No.: 1 of 1	
DRAWN BY: JEM DATE: 5-23-06 CHECKED BY: DATE:		DRAWING No.: 6018-MQ-4302 REV: B	

REV	REVISION	DATE ISSUED	DWN BY	CHK BY	CLIENT APPR
B	ISSUED FOR REVIEW & COMMENT	7-14-06	KAR	JL	-
A	ISSUED FOR BID	06-27-06	RJS	-	-

B-SIZE (11x17)