



LETTER	DESCRIPTION	SIZE
A	D.T. VAPOR INLET	28" FLANGE
B	VAPORS TO EVAP COND.	36" FLANGE
C	D.T. VAPOR OUTLET	28" FLANGE
D	MISCELLA INLET	ND150 PN16 FLANGE
E	CONDENSATE OUTLET	ND150 PN16 FLANGE
F	RECYCLE INLET	ND100 PN16 FLANGE
G	MANWAY W/SIGHTGLASS	24"
H	MISCELLA OUTLET	ND200 PN16 FLANGE
J	LEVEL SWITCH CONNECTIONS	ND50 PN16 FLANGE PAD
K	EJECTOR DISCHARGE INLET	ND300 PN16 FLANGE
L	CLEANOUT #1	12" X 53"
M	CLEANOUT #2	12" X 53"
N	CLEANOUT #3	12" X 53"

SPECIFICATION			
DESCRIPTION	TUBES	SHELL	
Design Pressure (PSIG)	15/VAC	±1	
Hydrostatic Test Pressure (PSIG)		5	
Internal Tube Surface (ft <sup>2</sup> )			
External Tube Surface (ft <sup>2</sup> )	5013		
Passes	1	1	
Empty Weight (lbs)	(S3) 32,250# [14,629 KG]		
Water Filled Weight Less Shell Side (lbs)	(S3) 99,035# [44,922 KG]		
Gross Size (ft <sup>3</sup> )			
SHELL	58" O.D. x 3/8" WALL x 24'-0" LG		
TUBES	(1064) 3/4" O.D. x 18GA x 24'-0" LG	304SS	

REVISION C) LETTER J ITEM WAS ND50 PN16 FLANGE  
 REVISION B) REVISED PER CUSTOMER MARK-UP  
 REVISION A) ADDED WEIGHTS

TAG: EQUIP #E-041077

C7:50  
 PLOTTED  
 21.05.2004

ITEM	RQD	TOTAL	SHOP BILL OF MATERIAL	CONTROL	S.O.	NO. REQ.	DATE
7	96		HEX NUT, M30 X 3.5				
6	94		HEX HD. CAPSCREW, M30 X 3.5 X 150 MM LG				
5	2		GASKET, 1/8" X 62" O.D. X 58" I.D.		J.C.2160		
4	1		NAMEPLATE-LARGE		CIW		
3	1		END CAP		F2709-805		
2	1		ENTRAINMENT SEPARATOR		F2709-804		
1	1		EVAPORATOR WELDMENT		F2709-801		

  

DR. MBR	THIRD ANGLE PROJECTION	FILE NO. AA04104	CROWN IRON WORKS CO. MINNEAPOLIS, MINNESOTA 55440	
CHK.		ORIGINAL FILE: AE98137		
DATE: 1/22/2004			NOTICE: © 2001 CROWN IRON WORKS COMPANY THIS DRAWING AND INFORMATION ARE THE PROPERTY OF CROWN IRON WORKS COMPANY AND ARE NOT TO BE COPIED OR MISUSED. NOT RESPONSIBLE BEYOND OUR OWN WORK	
SCALE: 1/2"=1'-0"		DECIMAL ±.010	1ST STAGE EVAPORATOR ASSEMBLY	
	ASME	HOLE SIZE ±.020		
C JAS 4/2/04	1 ENG. FILE	HOLE PATTERN ±1/32		
B PWA 2/16/2004	1 PURCH.	FRACTIONAL ±1/16		
A MBR 1/29/2004	3 INV.	FLANGE ⊥ TO AXIS ±1/16		
REVISION BY DATE PRINTS ISSUED	SHOP FLG. HLS. STRADDLE	FLANGE ⊥ TO AXIS ±1/16	DWG. NO. F2709-800	REV C