

Customer				Reference No.			
Address				Proposal No.			
Plant Location				Date		Rev	
Service of Unit				Item No.			
Size	x	inch	Type	Connected In	Parallel	Series	
Surf/Unit (Gross/Eff)	/	ft2	Shell/Unit	Surf/Shell (Gross/Eff)	/	ft2	
PERFORMANCE OF ONE UNIT							
Fluid Allocation		Shell Side			Tube Side		
Fluid Name					Cooling Water		
Fluid Quantity, Total		lb/hr					
Vapor (In/Out)							
Liquid							
Steam							
Water							
Noncondensables							
Temperature (In/Out)							
Specific Gravity							
Viscosity		cP			V/L		
Molecular Weight, Vapor							
Molecular Weight, Noncondensables							
Specific Heat		Btu/lb-F			V/L		
Thermal Conductivity		Btu/hr-ft-F			V/L		
Latent Heat		Btu/lb					
Inlet Pressure		psia					
Velocity		ft/sec					
Pressure Drop, Allow/Calc		psi					
Fouling Resistance (min)		ft2-hr-F/Btu					
Heat Exchanged		Btu/hr			MTD (Corrected)		F
Transfer Rate, Service		Btu/ft2-hr-F		Clean	Btu/ft2-hr-F		Actual
CONSTRUCTION OF ONE SHELL				Sketch (Bundle/Nozzle Orientation)			
		Shell Side		Tube Side			
Design/Test Pressure		psig		/		/	
Design Temperature		F					
No Passes per Shell							
Corrosion Allowance		inch					
Connections		In	inch	@	@		
Size &		Out	inch	@	@		
Rating		Intermediate		@	@		
Tube No.	OD	inch	Thk(Avg)	inch	Length	ft	Pitch
Tube Type						Tube pattern	
Shell		ID	OD	inch	Shell Cover		(Integ.)
Channel or Bonnet						Channel Cover	
Tubesheet-Stationary						Tubesheet-Floating	
Floating Head Cover						Impingement Plate	
Baffles-Cross		Type	%Cut (Diam)	Spacing(c/c)	Inlet	inch	
Baffles-Long		Seal Type		None			
Supports-Tube		U-Bend				Type	
Bypass Seal Arrangement		Tube-Tubesheet Joint					
Expansion Joint		Type					
Rho-V2-Inlet Nozzle		lb/ft-sec2	Bundle Entrance	Bundle Exit	lb/ft-sec2		
Gaskets-Shell Side		Tube Side					
Code Requirements						TEMA Class	
Weight/Shell		lb	Filled with Water	lb	Bundle	lb	
Remarks:							