the HUFFMAN co.,ltd.
HEAT TRANSFER EQUIPMENT & SERVICES

Heat Exchanger Specification Sheet

Prepared By: _____ Job No.: _____-
Company By: _____ Ref. No.: _____
Address: _____ Proposal No.:_____
Plant Address: _____ Date: _____ Rev. No.: _____
Service of Units: _____ Item No.: _____
Surf/unit(eff.) _____ ft2 Shells/unit _____ Surf/shell(eff.)_____ ft2

PERFORMANCE OF ONE UNIT

Fluid allocation		Shell Side	Tube Side
Fluid Name		_____	_____
Fluid Quantity, Total	lb/h	_____	_____
Vapor (In/Out)	lb/h	_____	_____
Liquid	lb/h	_____	_____
Noncondensable	lb/h	_____	_____
Operating Temperature (In/Out)	F	_____	_____
Dew/Bubble point	F	_____	_____
Density (Vap/Liq)	lb/ft3	_____	_____
Viscosity point	cp	_____	_____
Molecular wt, Vap		_____	_____
Molecular wt, NC		_____	_____

Specific Heat BTU/(lb*F) _____ _____

Thermal Conductivity BTU/(ft*h*F _____ _____

Latent heat BTU/lb _____ _____

Pressure psi _____ _____

Velocity ft/s _____ _____

Pressure drop, allow./calc. psi _____ _____

Fouling resist. (min) ft2*h*F/BTU _____ _____

Heat exchanged BTU/h MTD corrected F _____ _____

Transfer rate, Service Dirty Clean BTU/(h*ft2*F)_____ _____

CONSTRUCTION OF ONE SHELL

Shell Side Tube Side

Design/Test Pressure psi _____ _____

Design Temperature F _____ _____

Number passes per shell _____ _____

Corrosion Allowance in _____ _____

Connections Inlet in _____ _____

Size/rating Outlet in _____ _____

Nominal Intermediate

Tube No.:_____ OD:_____ Tks:_____ in Length:_____ in
Pitch:_____

Tube type:_____ Material:_____ Tube Pattern:_____

Shell:_____ ID:_____ OD:_____in Shell Cover:_____

Channel or Bonnet: _____ Channel Cover:_____

Tubesheet-stationary: _____ Tubesheet-floating:_____

Floating head cover: _____ Impingement protection:_____

Baffle-crossing: Type: _____ Cut(%d):_____ Spacing c/c:_____

Baffle-long: _____ Seal type: _____ Inlet:_____in

Supports-tube:_____ U-bend: _____ Type:_____

Bypass seal: _____ Tube-tubsheet joint:_____

Expansion joint: _____ Type:_____

RhoV2-Inlet nozzle: Bundle entrance: Bundle exit: lb/(ft*s2)

Gaskets - Shell side: _____ Tube side:_____

Floating head:_____

Code requirements: _____ TEMA class:_____

Weight/Shell: _____ Filled with water: _____ Bundle: lb _____

Remarks:_____

_____

_____

_____

_____