

HEAT EXCHANGER WORKSHEET

5-20-11

Date: _____

Customer: _____

Contact: _____

Tel: _____ Fax: _____

E-mail: _____

Job Name: _____

Exhibit Name: _____

Heat Exchanger Type: Plate and Frame Tube and Shell

Side A - Exhibit Cooling

Desired Exhibit Water Temperature Maintained at: _____ ° F _____ ° C

Exhibit Fluid Type: Seawater Freshwater

Btu/hr Required to Maintain Water Temperature: _____

Exhibit Fluid ΔT Outlet: _____ Min _____ Max.

Maximum Pressure Drop: _____ PSIG

Maximum Available Water Flow Rate: _____ GPM _____ Lts/m

Control Differential Between off and on: _____ ° F _____ ° C

Side B - Cold Loop

Cold Loop Fluid Type: Seawater Freshwater Glycol %: _____

Entering Cold Fluid Temperature: _____ ° F _____ ° C

Cold Fluid Loop ΔT Outlet: _____ Min _____ Max.

Maximum Available Fluid Flow Rate: _____ GPM _____ Lts/m

Maximum Pressure Drop: _____ PSIG

Comments

Side A - Exhibit Heating

Desired Exhibit Water Temperature Maintained at: _____ ° F _____ ° C

Exhibit Fluid Type: Seawater Freshwater

Btu/hr Required to Maintain Water Temperature: _____

Control Differential Between off and on: _____ ° F _____ ° C

Maximum Available Water Flow Rate: _____ GPM _____ Lts/m

Maximum Pressure Drop: _____ PSIG

Side B - Hot Loop

Hot Loop Fluid Type: Seawater Freshwater Glycol %: _____

Entering Hot Fluid Temperature: _____ ° F _____ ° C

Hot Fluid Loop ΔT Outlet: _____ Min _____ Max.

Maximum Available Fluid Flow Rate: _____ GPM _____ Lts/m

Maximum Pressure Drop: _____ PSIG

Comments:

Heat Exchanger Construction

Tube and Shell

Shell Material: Sch 40 Pipe Sch 80 Pipe PVC CPVC

Shell Fluid Connection Type: Union MPT FPT Flange

Tube Side Connections Type: MPT FPT

Shell Hardware: 304 SS 316 SS

Heat Exchanger Postion: Horizontal Vertical

Heat Exchanger Stand Material: 304 SS 316 SS None

Comments:

_____Plate and Frame

Plate Material: Titanium 316 Stainless Steel

Gasket Material: EPDM Other: _____

Tye Rods: 316 Stainless Steel Other: _____

Comments:

