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HEAT EXCHANGER WORKSHEET

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 Fuild 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

_____

_____

_____

_____

Aqua Logic, Inc. 9558 Camino Ruiz, San Diego, CA. 92126 PH: 858.292.4773 Fax: 858.279.0537 email: info@aqualogicinc.com

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: