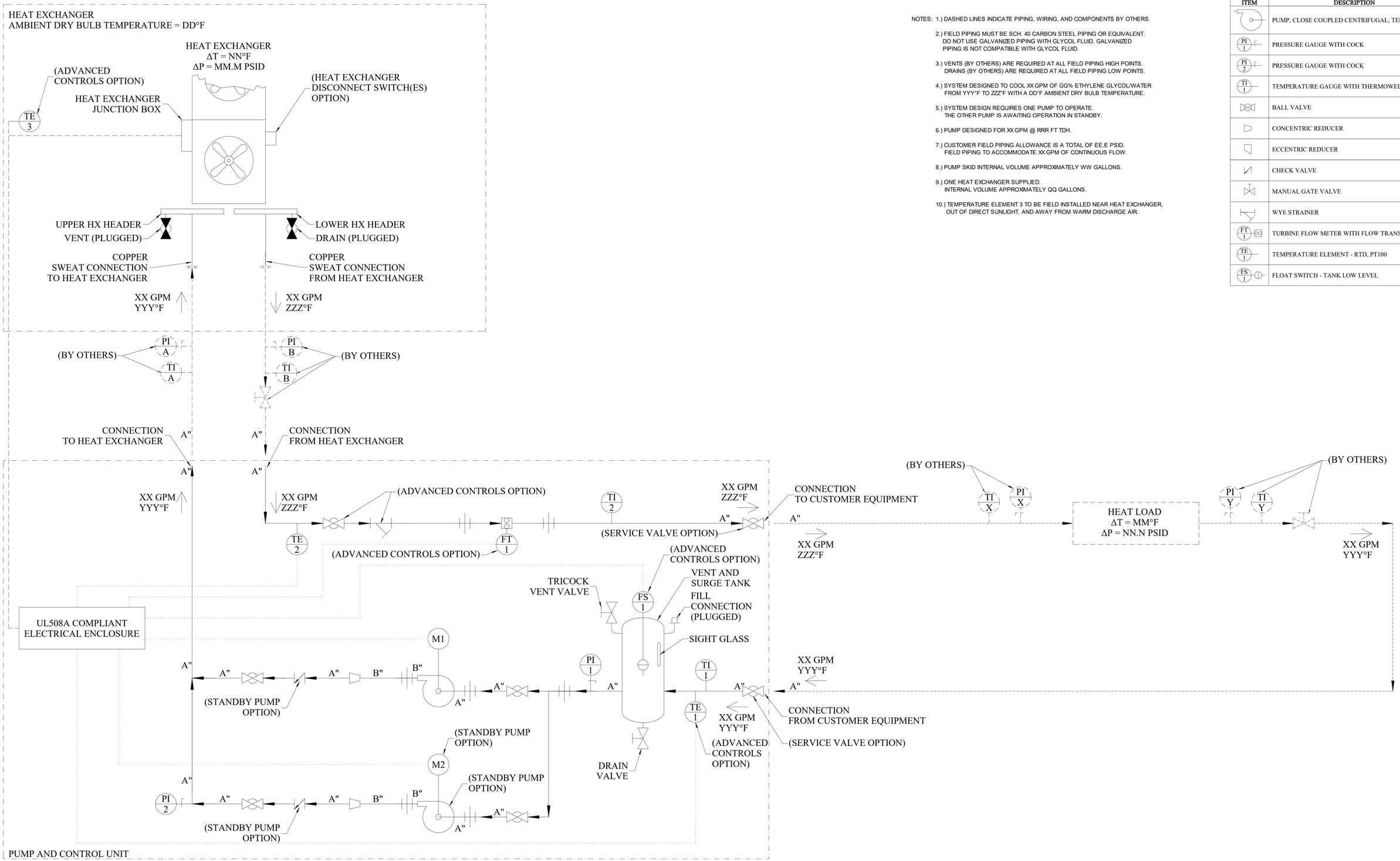

NOTES:

1.) DASHED LINES INDICATE PIPING, WIRING, AND COMPONENTS BY OTHERS.

2.) FIELD PIPING MUST BE SCH. 40 CARBON STEEL PIPING OR EQUIVALENT. DO NOT USE GALVANIZED PIPING WITH GLYCOL FLUID. GALVANIZED PIPING IS NOT COMPATIBLE WITH GLYCOL FLUID.

3.) VENTS (BY OTHERS) ARE REQUIRED AT ALL FIELD PIPING HIGH POINTS. DRAINS (BY OTHERS) ARE REQUIRED AT ALL FIELD PIPING LOW POINTS.

4.) SYSTEM DESIGNED TO COOL XX GPM OF GG% ETHYLENE GLYCOL/WATER FROM YY.Y°F TO ZZZ°F WITH A DD°F AMBIENT DRY BULB TEMPERATURE.

5.) SYSTEM DESIGN REQUIRES ONE PUMP TO OPERATE. THE OTHER PUMP IS AWAITING OPERATION IN STANDBY.

6.) PUMP DESIGNED FOR XX GPM @ RRR FT TDH.

7.) CUSTOMER FIELD PIPING ALLOWANCE IS A TOTAL OF EE.E PSID. FIELD PIPING TO ACCOMMODATE XX GPM OF CONTINUOUS FLOW.

8.) PUMP SKID INTERNAL VOLUME APPROXIMATELY WW GALLONS.

9.) ONE HEAT EXCHANGER SUPPLIED. INTERNAL VOLUME APPROXIMATELY QQ GALLONS.

10.) TEMPERATURE ELEMENT 3 TO BE FIELD INSTALLED NEAR HEAT EXCHANGER, OUT OF DIRECT SUNLIGHT, AND AWAY FROM WARM DISCHARGE AIR.

LEGEND

ITEM	DESCRIPTION
	PUMP, CLOSE COUPLED CENTRIFUGAL, TEFC MOTOR
PI 1	PRESSURE GAUGE WITH COCK
PI 2	PRESSURE GAUGE WITH COCK
TI 1	TEMPERATURE GAUGE WITH THERMOWELL
	BALL VALVE
	CONCENTRIC REDUCER
	ECCENTRIC REDUCER
	CHECK VALVE
	MANUAL GATE VALVE
	WYE STRAINER
FT 1	TURBINE FLOW METER WITH FLOW TRANSMITTER
TE 1	TEMPERATURE ELEMENT - RTD, PT100
FS 1	FLOAT SWITCH - TANK LOW LEVEL

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A	BY RS	
	DATE 2-3-25	

HYDROTHRIFT CORPORATION

MODEL: CLOSED-LOOP DRY-TYPE (CD) COOLING SYSTEM	SCALE: NONE	
	SHEET: 1 OF 1	
TITLE: PROCESS & FLOW DIAGRAM	DRAWING NUMBER: PFDSTD-CD	REV. A