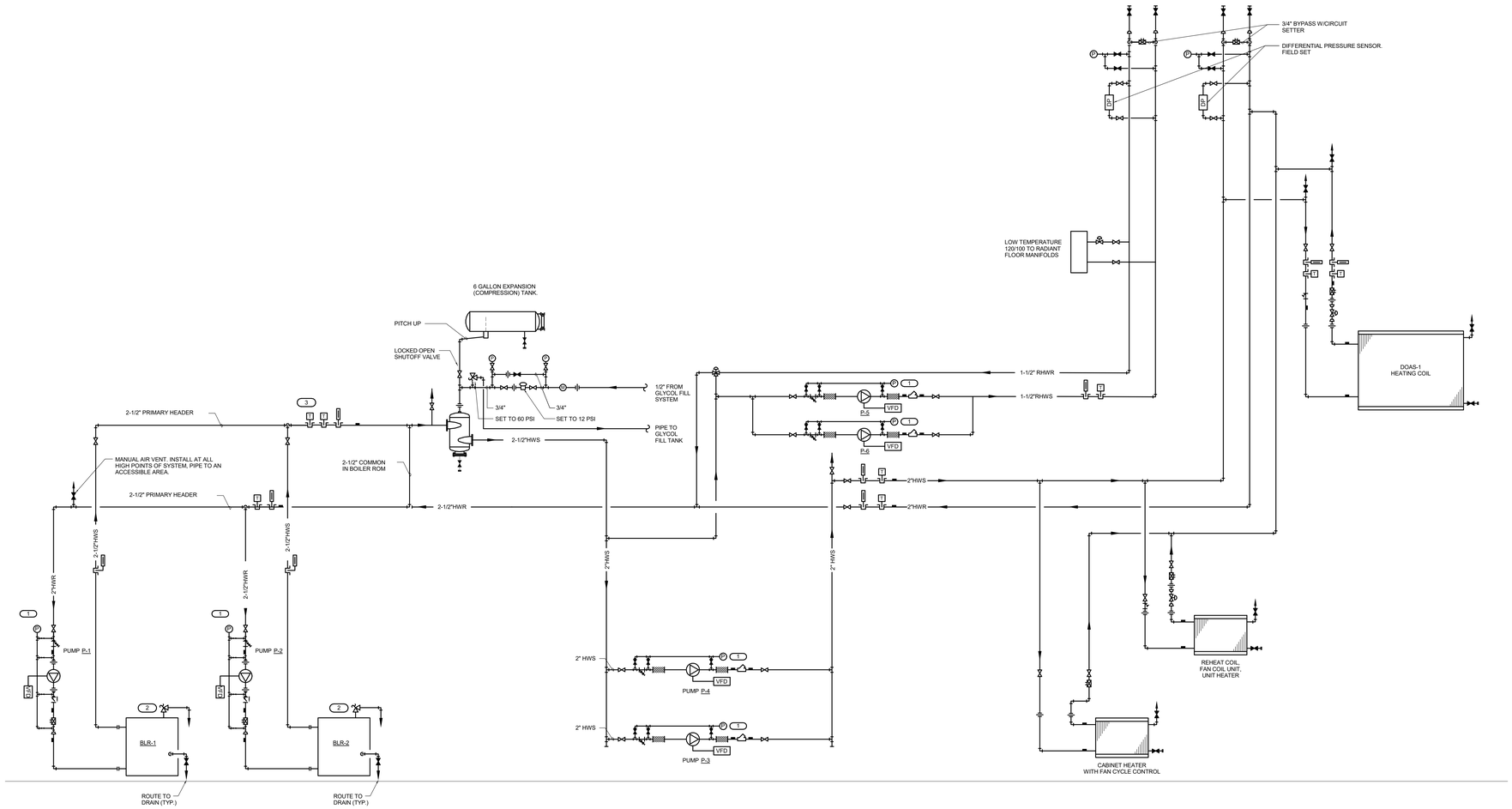

HEATING WATER FLOW DIAGRAM SYMBOL LIST

SYMBOL:	DESCRIPTION:
HWS	REHEATING WATER SUPPLY
HWR	REHEATING WATER RETURN
CW	COLD WATER - POTABLE
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	METER
	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)
	TEMPERATURE SENSOR WITH WELL
	THERMOMETER WITH WELL (FILLED TYPE)
	"WYE" - STRAINER
	"WYE" - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP
	FLEXIBLE CONNECTION
	BALANCING VALVE
	SHUTOFF VALVE
	NORMALLY CLOSED VALVE
	THROTTLING VALVE
	CHECK VALVE
	UNION/FLANGE
	REDUCER
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	DRAIN VALVE WITH HOSE CONNECTION AND CAP
	RELIEF VALVE
	PRESSURE REDUCING VALVE (LIQUID/GAS)
	PRESSURE/TEMPERATURE TEST PLUG
	CONTROL VALVE (TWO-WAY)
	CONTROL VALVE (THREE-WAY)
	BACKFLOW PREVENTER
	SUCTION DIFFUSER WITH SUPPORT FOOT

KEYNOTES

1. PRESSURE GAUGE WITH SNUBBER PER SECTION 23 09 13. INSTALL WITH MOUNTING ON WALL, STAND, OR VIBRATION-FREE PIPE ABOVE BRACKET.PUMP FLEXIBLE CONNECTOR. INSTALL FLEXIBLE COPPER TUBING TO PIPING CONNECTIONS TO AVOID VIBRATION DAMAGE TO THE GAUGE. PREFERRED CONNECTION LOCATIONS ARE:

   (1) JUST UPSTREAM OF STRAINER.
   (2) GAUGE PORT ON SUCTION DIFFUSER OR BETWEEN STRAINER AND PUMP INLET.
   (3) GAUGE TAPPING ON PUMP INLET FLANGE.
   (4) GAUGE TAPPING ON PUMP OUTLET FLANGE.

2. INSTALL SAFETY RELIEF VALVE PROVIDED BY BOILER MANUFACTURER. PIPE TO DRAIN. SUPPORT SOLIDLY.

3. TEMPERATURE SENSOR PROVIDED BY BOILER MANUFACTURER, WIRED TO BOILER/BOILER CONTROL PANEL.

3 HOT WATER FLOW DIAGRAM

NO SCALE

Construction Documents ACCOMPANYING AMENDMENT VA69D-17-B-0889-A00004

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Date:	Date:
Approved: Director	Approved: VA Energy Engineer
Date:	Date:

Drawing Title: **MECHANICAL HOT WATER FLOW DIAGRAM**

Project Name: **VA Tomah CLC Homes**

Project Number: **676-324**

Date: 10/12/2017

Location: **TOMAH VAMC**
500 E. VETERANS STREET
TOMAH, WI. 54660

Building Number: 411 & 412 | Checked: RHC | Drawn: MAG

Drawing Number: **1-M-503**

Dwg.

Office of Construction and Facilities Management

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