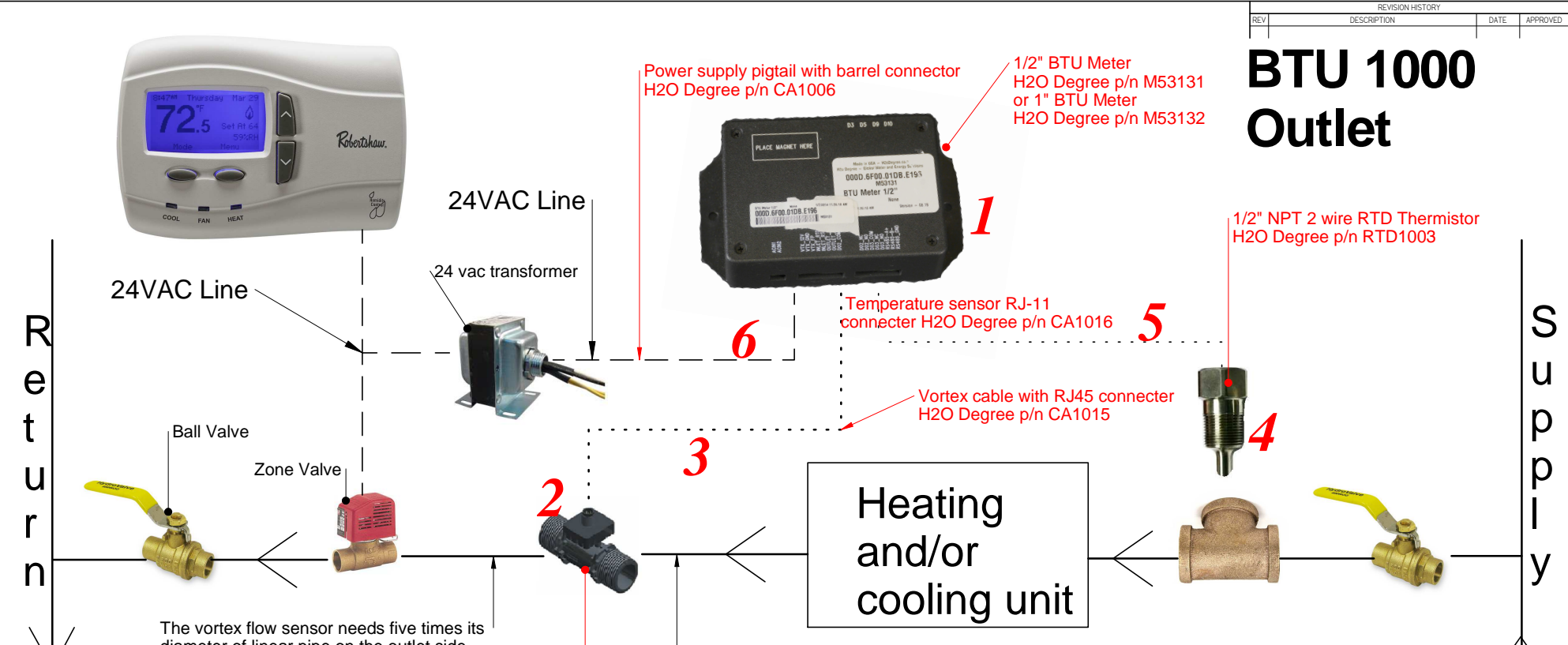


REVISION HISTORY			
REV	DESCRIPTION	DATE	APPROVED

BTU 1000 Outlet



Power supply pigtail with barrel connector
H2O Degree p/n CA1006

1/2" BTU Meter
H2O Degree p/n M53131
or 1" BTU Meter
H2O Degree p/n M53132

24VAC Line

24 vac transformer

24VAC Line

Ball Valve

Zone Valve

Temperature sensor RJ-11
connector H2O Degree p/n CA1016

Vortex cable with RJ45 connector
H2O Degree p/n CA1015

1/2" NPT 2 wire RTD Thermistor
H2O Degree p/n RTD1003

Heating
and/or
cooling unit

The vortex flow sensor needs five times its
diameter of linear pipe on the outlet side.

1/2" Vortex Flow Sensor
H2O Degree p/n V1000
or
1" Vortex Flow Sensor
H2O Degree p/n V1001

The vortex flow sensor needs ten times its
diameter of linear pipe on the inlet side.

BTU meter includes

1. M53131 - BTU meter radio (requires 24 VAC power)
2. V1000 - BTU Vortex Flow Sensor (1/2"MIPx1/2"MIP)
3. CA1015 - BTU RJ-45 cable from Vortex Flow Sensor to BTU meter
4. RTD 1003 - BTU temperature sensor (1/2" MIP)
5. CA1016 - BTU RJ-11 cable from BTU outlet temperature sensor to BTU meter (length dependent on distance)
6. CA1006 - BTU meter power cable.

Supplied by others

- *Supply side ball valve
- *Zone Valve
- *24 VAC Transformer
- *Return side ball valve
- *Thermostat
- *Brass Tee

DRAWN	NAME	DATE	Solid Edge	
CHECKED	Chuck	04/06/14	TITLE	
ENG APPR			SIZE DWG NO	
MGR APPR			REV	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES ANGLES °X'X"			FILE NAME: BTU 1001.dft	
2 PL *XXX 3 PL *XXXX			SCALE	WEIGHT
			SHEET 1 OF 1	