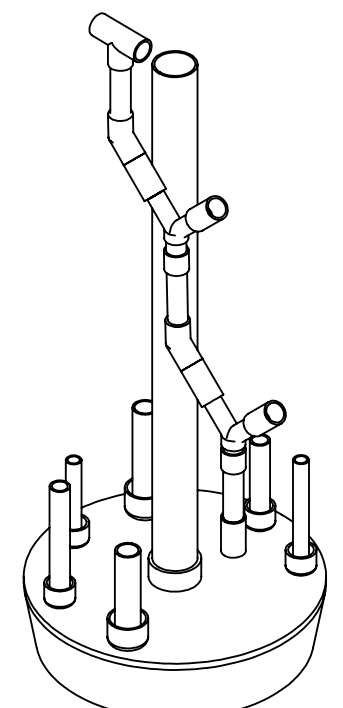


Vent front view



Vent isometric view

Task #3: Sample a new vent site

Vent base structure:

The base of the vent is an oil pan filled with cement. It weighs 15kg, is 40cm in diameter, and is 10cm tall.

A 2-inch PVC connector is embedded in the cement.

A 80cm length of 2-inch PVC extends upward from the base.

Vent:

The water bearing portion of the vent is constructed out of 3/4-inch PVC pipe.

A hose brings water into the base of the vent where it flows upward and exits through three openings.

Spires:

Six spires extend from the cement base of the vent chimney.

The spires consist of 2 lengths of 1/2-inch PVC pipe, 2 lengths of 3/4-inch PVC pipe, and 2 lengths of 1-inch PVC pipe.

These spires vary in length from 8 to 18cm.

PROPRIETARY AND CONFIDENTIAL
 THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF THE MATE CENTER. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF THE MATE CENTER IS PROHIBITED.

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	MATE Center
		DIMENSIONS ARE IN CM TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±		DRAWN		
		INTERPRET GEOMETRIC TOLERANCING PER:		CHECKED		Hydrothermal vent
		MATERIAL		ENG APPR.		
NEXT ASSY	USED ON	FINISH		MFG APPR.		SCALE: 1:10 WEIGHT: SHEET 1 OF 1
APPLICATION		DO NOT SCALE DRAWING		Q.A.		
				COMMENTS:		