Subject:	Building Information Modelling with Revit MEP
Course:	BIM with Revit MEP
Session:	Autumn 2020
Lecturer:	Paul Vesey BEng, MIE, HDip

Assignment 3 – Pipe Systems

Issue Date:	As stated on Moodle
Submission Date:	As stated on Moodle

Continuous Assessment Marks

This assignment will account for 25% of the 100% allocated for continuous assessment in this module

Assignment Outline

You will start this assignment by creating a new Revit project based on the piping template. You will then have to link to the Architectural model for reference. You are required to model three pipe systems, one Hydronic Supply system and one Hydronic Return system and one Fire Protection system as depicted in the drawings that accompany this specification. In order to complete this work you will need to place appropriate sprinklers and radiators as shown on the drawings. The radiator family part has been provided to you. It will be necessary to modify its clearance parameters to effectively model the hydronic systems. You will also need to create view filters for the Fire System as Revit the standard template does not provide one. You will also have to set the view range parameters as necessary. You are also required to create three (3) A1 drawing sheets using the LIT title block provided. These sheets should be populated with the views and schedules as shown. Pipe schedules and are to be placed on the appropriate sheets. All drawings sheets and views are to be replicated in your assignment. You will also need to make use of the tagging functionality in Revit as necessary.

The asset pack for this assignment contains the following items:

1. LIT Title-block
2. Revit Architectural Model
3. Completed Drawing in pdf format
4. Radiator Family sourced from the NBS

Submission

Upon completion, create a single zip file of your Revit project including the architectural model. Upload this single zip file to Moodle on or before the submission deadline. Please do not use .rar or 7-zip compression tools; please use the standard zip compression provided by Windows File Explorer.