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

LIT
BUILT ENVIRONMENT

Assignment 1 – Electrical 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 electrical template. You will then have to link to the Architectural model for reference. You are required to model the lighting system and power outlet system as shown in the attached drawing. This will involve placing lights and switches as indicated. Lights and switches are to be allocated to a circuit on the main distribution panel as indicated on the drawing. The details of the light switching arrangements is also shown. Power outlets are to be placed in the model and allocated to circuits as indicated. Upon completion of the circuits, you are required to create a panel schedule and re-balance the three-phase load. You are also required to create an A1 drawing sheet using the LIT title block provided. This sheet should be populated with the views and schedules as shown.

The asset pack for this assignment contains the following items:

1. LIT Title-block

2. Revit Architectural Model

3. Completed Drawing in pdf format

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.