



**LIT**

DEPARTMENT OF  
THE BUILT ENVIRONMENT

**Building Information Modelling –  
Revit MEP**

**Assignment 1 – Electrical Systems**

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# Assignment 1 – Electrical Systems

Issue Data: 24<sup>th</sup> October 2017

Submission Date: 7<sup>th</sup> November 2017

## 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.