



## INITIAL REQUIREMENTS



Before getting started you will need access to Autodesk Revit Version 2018

Free 30-day Trial Link: <https://www.autodesk.co.uk/products/revit/free-trial?plc=RVT&term=1-YEAR&support=ADVANCED&quantity=1>

Note: Before starting on the below project, we recommend any beginners on Revit having a go at the provided Revit starter's guide: <https://academy.autodesk.com/atom/121181>

## THE DESIGN BRIEF



Our client has come to you with the intension of renovating and extending their current living space. They wish to design and construct a new-build contemporary extension onto the rear of their semidetached amily home. The client has also noted that they are flexible on the final design so long as their new extension can provide the following rooms and design requests;

## THE LAYOUT



A Family Room;

The client would like the primary room in the extension to be a family-room / lounge to host friends and family during evenings and weekends. In this room they would like the following requests to be considered;

- Provide an area large enough for plenty of seating, a TV, coffee table, storage etc,
- Provide good connection from the existing building through into the extension,
- Provide plenty of natural light into the room for during the day – this can be provided through either windows and/or rooflights,
- Also provide adequate lighting for when there is no natural lighting available,
- Provide enough power outlets around the room for everyday needs – cleaning, electrical equipment etc,
- Provide easy access in and out of the back garden,



## **THE LAYOUT (CONTINUED)**



### A Study:

Due to the current Covid-19 outbreak, our client like many is currently working from home and would therefore like to include a small study space that can be used as a home office in the future. In this room they would like the following requests to be considered;

- An area suitable to provide an adequate working space, include the use of a desk, monitor, PC, keyboard, mouse etc
- Provide an area within the room that can incorporate any required storage space,
- Provide plenty of natural light to provide for adequate working conditions,
- Also provide enough artificial lighting for when there is no natural light available,
- Provide adequate electrical power outlets for all equipment needed,

### NOTE:

In order to avoid 'study' rooms becoming an un-used dead space, when submitting a building warrant, studies are often also required to be designed as a single bedroom in order to avoid the room being neglected and never used.

When designing the study, our client would like you to draft up a separate design proving that this room can also be doubled up as a single bedroom. See regulations; 3.11.1 Apartments for more information.

### A Shower Room:

As part of the proposed works, our client would like to add a shower room in order to provide the ground floor with accessible sanitary facilities. In the shower room they would like the following requests to be considered;

- An area large enough for a WC, Sink and a walk-in Shower,
- Provide an electrical power / shaver socket to allow for grooming purposes,
- Provide plenty of artificial lighting over sink, shower, mirror etc,
- Adequate storage space for all their bathroom stuff,
- Propose a level of artificial lighting if possible,

## **ADDITIONAL REQUIREMENTS**



As an additional request, the client would like you to consider the option of renovating the rear two rooms, both Kitchen and Dining, as they would like to explore the option of creating an 'open plan' layout to the rear of the house removing a partition between the dining room and kitchen allowing for one area. Alternatively the client would consider the Dining room becoming an open plan area linked into the new extension

Note: The boiler is currently situated within the Kitchen with the flue going out the back of the building, this would need to be relocated if the extension were to cover the kitchen.

- Extension can be any size, if a reasonable garden space is left,
- Extension is to be single storey only,
- Extension Roof can be flat or pitched, client is open to options,
- Consider garden landscaping and incorporate into the extension design,
- Each room needs to be provided with adequate lighting (both naturally & artificially), plenty of electrical outlets, radiators, smoke / heat detector etc,
- Each room must be easily accessible,
- Extension to be fully compliant with the current building regulations.

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Use this space to make any notes