

## **Sustainable Design and Construction Statement**

### **Proposed First Floor Extension @ 68 Aireview, Cononley, BD20 8JY**

#### Climate Mitigation Measures.

The first point to note is that the proposed extension provides only a relatively small amount of floor area, and is being built on top of the existing single story extension. Therefore the opportunities for CMM's is very limited indeed.

The extension is small as per the above but thought has been given to provide as much window space as is permissible. There is also a velux window in the roof. This is to make the most of natural lighting, thus once completed minimizing the durations and amount of electrical lighting needed.

Said lighting when installed will all be full LED installation to minimize energy usage.

All windows and doors will be fully insulated frames and energy saving glass to minimize heat loss.

Should planning approval be achieved then the client has committed to surpass building regulation requirements where possible within the limited options available due to the size of the construction.

With this in mind the following areas will be explored to surpass any building control requirements in terms of U Values etc.

- Cavity wall insulation content (subject to cavity space available given this is dictated by the construction of the existing ground floor extension).
- Warm Roof insulation content

It will be the aim of the specification to surpass building regulation U values by at least 10% where doable.

As the existing works commence, all possible materials will be looked to set aside for re-use. This will include;

- Natural Stone walling materials
- Concrete Blocks

Re-use of all possible materials will assist in demonstrating sustainability.

Any new timbers required will be used only where responsible and sustainable forestry can be demonstrated.

The works will generate waste. The contractor will use only a reputable skip company and we will seek to ensure that a minimum of 95% recycling is achieved from the said skip company.

All windows and doors to be installed will carry "secure by Design" certification

The installation of Photovoltaics has been considered but given the lack of south facing roof that is created together with the velux as noted above, this has been discounted as viable.

It is suggested that given the small nature of the proposed construction the above demonstrates that the maximum possible measures have/will be taken to demonstrate Sustainability.