A light bulb with a plant growing out of it

Description automatically generated with medium confidence

SUSTAINABLE DESIGN

CHECKLIST

A picture containing outdoor, landscape, cloud, grass

Description automatically generated

DESIGN WITH THE FUTURE IN MIND

We recognise that we have the opportunity to design for the longest possible building life span and to use the least environmentally damaging resources.

Our sustainable design checklist has developed with this in mind and provides considerations for your project.

|  |  |  |  |
| --- | --- | --- | --- |
| Sustainable Attribute | Yes | No | Additional Information Desired / Comments |
| Accreditations / Methodologies | | | |
| BREEAM |  |  |  |
| LEED |  |  |  |
| WELL |  |  |  |
| Passivhaus |  |  |  |
| Zero-Carbon |  |  |  |
| AECB Standards |  |  |  |
| Climate & Site Design | | | |
| Building Orientation |  |  |  |
| Solar Profile |  |  |  |
| Wind Breaks |  |  |  |
| Driving Rain Defence |  |  |  |
| Biophilic Design |  |  |  |
| Reduced Glazing |  |  |  |
| Solar Control |  |  |  |
| Eaves Overhangs |  |  |  |
| Reduced Building Surface Area |  |  |  |
| Light Wells |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Sustainable Attribute | Yes | No | Additional Information Desired / Comments |
| Building Fabric | | | |
| Traditional Construction |  |  |  |
| Timber Frame |  |  |  |
| Green Walls / Roofs |  |  |  |
| Blue Roofs |  |  |  |
| Factory MMC, e.g. SIPS |  |  |  |
| Other MMC, e.g. Strawbale, ICF etc |  |  |  |
| Building Materials | | | |
| Insulation Type |  |  |  |
| Local Renewably Sourced Materials |  |  |  |
| Reduced Conductivity Materials |  |  |  |
| Low Embodied Carbon Materials |  |  |  |
| Specialist Products e.g. Tetris |  |  |  |
| Glazing Spec, e.g. triple, G value |  |  |  |
| Recycled Materials |  |  |  |
| Reclaimed Materials |  |  |  |
| Rating / Labels |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Sustainable Attribute | Yes | No | Additional Information Desired / Comments |
| Building Detailing | | | |
| Overlapping Insulation |  |  |  |
| Thermal Bridging |  |  |  |
| Airtightness membranes / renders |  |  |  |
| Solar Shading |  |  |  |
| Building Services | | | |
| Energy Efficient Appliances |  |  |  |
| Grey Water System |  |  |  |
| LED Lighting |  |  |  |
| Smart Meter |  |  |  |
| MVHR |  |  |  |
| Passive Ventilation |  |  |  |
| IR Heaters |  |  |  |
| Electric Water Heaters |  |  |  |
| Hydrogen Ready Boilers |  |  |  |
| EV Charging |  |  |  |
| Destratification Fans |  |  |  |
| Automated Controls |  |  |  |
| Rating / Labels |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Sustainable Attribute | Yes | No | Additional Information Desired / Comments |
| Renewable Technologies | | | |
| Air Source Heat Pumps |  |  |  |
| Ground Source Heat Pumps |  |  |  |
| Water Source Heat Pumps |  |  |  |
| Solar Cells |  |  |  |
| Solar Panels / PV |  |  |  |
| Solar Control Glazing |  |  |  |
| PV Glazing |  |  |  |
| Battery Storage |  |  |  |
| Micro Vertical Axis Wind Turbines |  |  |  |
| Small Scale Hydro Elec‘- Local Rivers |  |  |  |
| BEMS, e.g. water leak detection, daylight dimming etc |  |  |  |