

## Additional local and national level documentation.

### Sustainability Assessment:

- One of the primary motivations of the the TG Escape Ltd is to provide ecologically and environmentally sensitive buildings. As a result our buildings achieve (depending on individual specifications and requirements) an 'A' or 'B' EPC (energy performance certificate) rating when assessed by independent evaluators. Virtually every component, material and constructional method used in the manufacture and assembly of the TG Escape is selected with the environment in mind, below is a summary of some of our 'green' features:

#### Foundation System

- Mini Pile system or screw pile system with minimal ground disturbance and spoilage.

#### Walls and Roof construction

- Timber from certified, sustainable sources.
- 80% recycled insulation.
- Airtight, lightweight construction.
- Low U-values

#### Glazing

- Oiled Hardwood screens from sustainable sources. No toxic surface treatment.
- High performance coated Low E double glazed units.
- Argon filled.
- Fully draught sealed.

#### External Cladding

- Western Red Cedar from Sustainable sources (FSC and PEFC certified).
- Oiled or left to silver naturally.
- No toxic surface treatment.

#### Services

- Class-A rated equipment.
- Low energy LED lighting systems with optional smart control.

#### Activities

- The TG Escape is offsetting its activities and CO<sup>2</sup> emissions generated with *Climate Care*.

### Evaluation

- Due to the lack of any objection or identification of problems and issues thus far, the proposal has progressed as intended by the designers and client. With no problems or issues of conflict yet incurred.

## Lighting Assessment:

**Equipment schedule:** Ultra low watt LED recessed spot lights fitted to external soffits above entrance screens. Emergency lights intalled above entrance screen in the event of a power failure

**Equipment details / Comments:** GU50 fittings. LEDs provide a subtle down-lighting effect and do not produce glare. Primarily installed to highlight entrance areas and not to illuminate landscape.

**Position and number of units:** (see drawing number 14 - elevations)

**Hours of operation:** At user's discretion. Emergency units for power failure situations only.

**Plan with beam orientation:** Down-lighters used only. No lighting with outward casting beam proposed at design stage.

