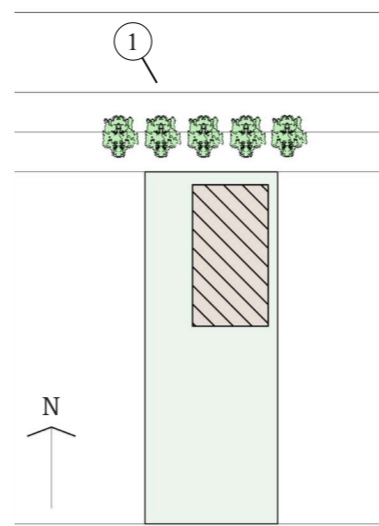


50k House

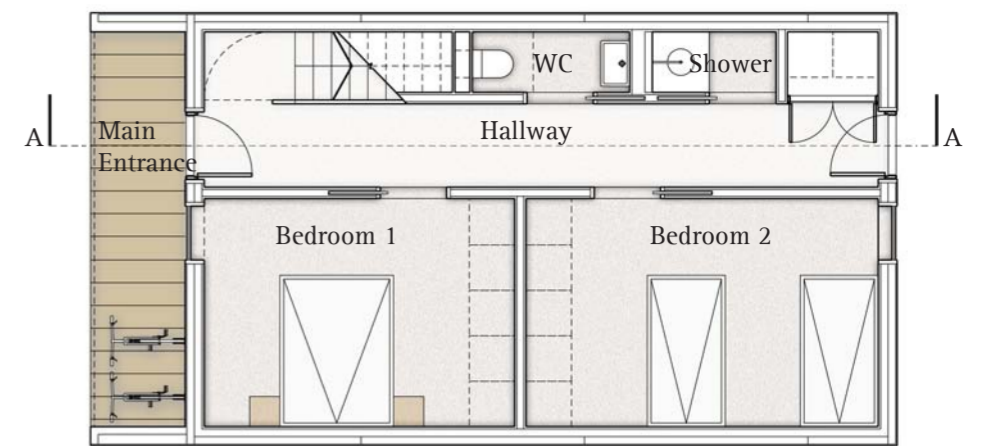
The 50k House competition provides an opportunity to explore the potential of how low cost sustainable design and construction techniques can provide a platform for individuals to build their own home.

The scheme is driven by the efficiencies associated with pre-fabrication and is designed as a kit of parts. The envelope is constructed from Eurban® cross laminated timber panels which provides the structural frame for the EPDM rubber wrap. High levels of air tightness can be achieved with this construction, therefore minimising heat loss and reducing overall heating demand. The form allows for the integration of pv's and solar tubes on the roof which is pitched at 30°.

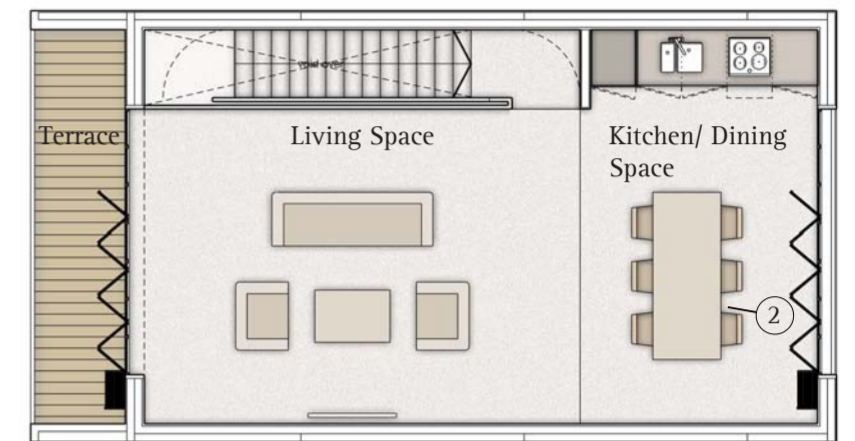
Internally, the bedrooms are located on the ground floor with a low floor to ceiling height and making use of the ground as a thermal mass during nighttime. The first floor is an open plan living space with high level windows and bi folding doors on the north and south elevations. This allows for high ceilings, more light and better views.



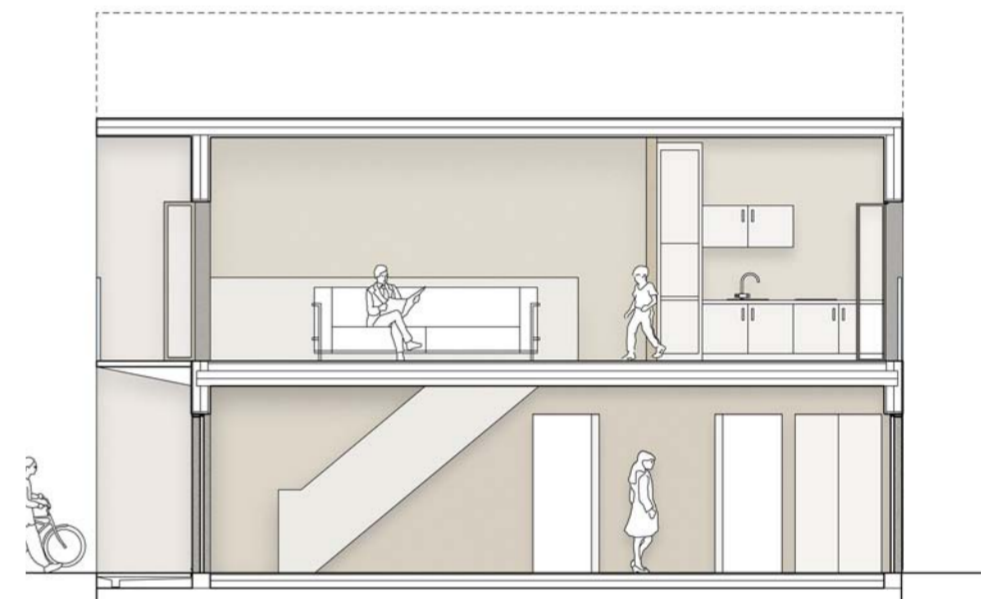
Site Location Plan



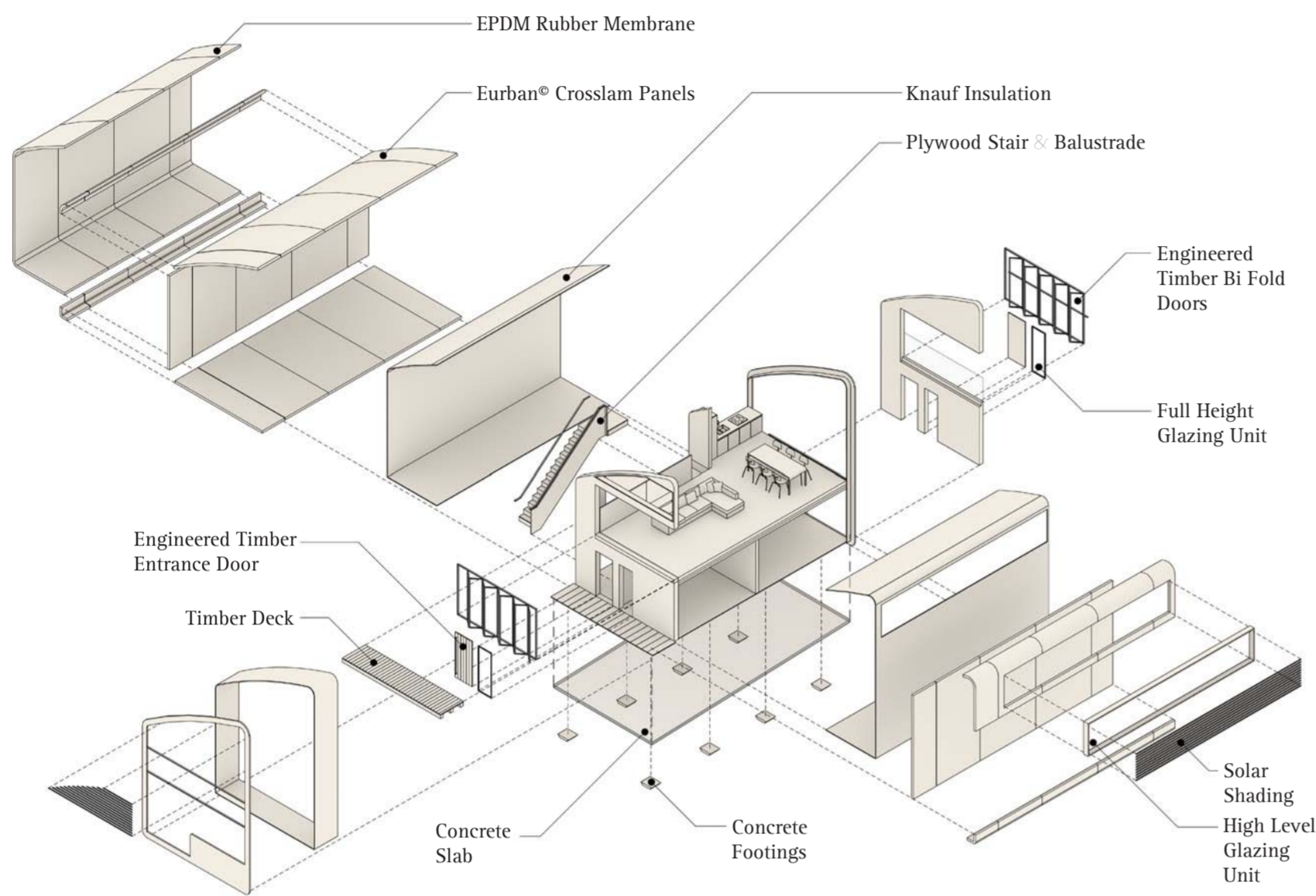
Ground Floor Plan 1:100



First Floor Plan 1:100



Section A-A 1:100



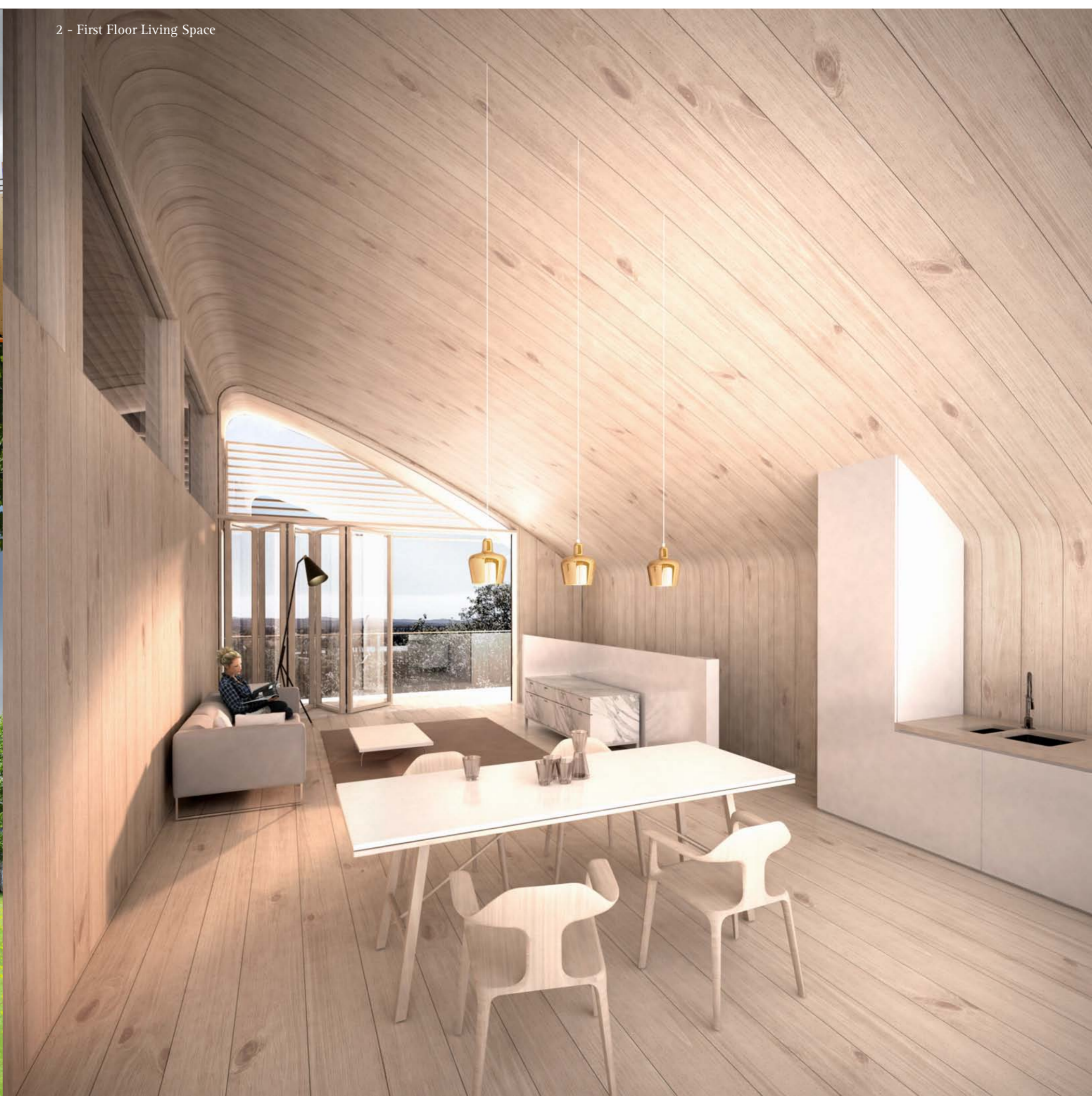
50k House - A Kit of Parts



Eurban® Construction



1 - Street View



2 - First Floor Living Space

Works Package	Construction Element	Materials	Labour	Total
Works Package 1	Set up, Clearance, Demolitions, Minor Excavation for foundations	£-	£-	£1,400.00
Works Package 2	Foundations (Flat Slab, Concrete)	£-	£-	£1,000.00
Works Package 3	Ground Floor Slab or Suspended Floor (Eurban Timber Laminate Panels)	£-	£-	£2,450.00
Works Package 4	Drainage & Service Trenchwork	£-	£-	Excl.
Works Package 5	Specialist Building System (Eurban Timber Laminate Panels, manufactured off site and delivered as a kit of parts)	£-	£-	Incl.
Works Package 6	External & Internal Walls (Eurban Timber Laminate Panels, 100mm Rigid Insulation, Rubber EPDM Waterproofing Layer externally. Either leave Eurban structural timber panels exposed internally or install Fermacell finished with white emulsion paint to avoid wet trades i.e. plastering)	£-	£-	£24,000.00
Works Package 7	Intermediate Floor Zone (N/A)	£-	£-	N/A
Works Package 8	Fireplace & Chimney (N/A)	£-	£-	N/A
Works Package 9	Roof Structure, Insulation & Covering (Eurban Timber Laminate panels, Rigid Insulation, Rubber EPDM Waterproofing layer)	£-	£-	£6,000.00
Works Package 10	Joinery (Timber framed windows and balcony doors. i.e. Accoya)	£-	£-	£18,000.00
Works Package 11	Specialist Products	£-	£-	Incl.
Works Package 12	Electrical Installation	£-	£-	£1,500.00
Works Package 13	Plumbing Installation	£-	£-	£2,000.00
Works Package 14	Heating Installation	£-	£-	£2,000.00
Works Package 15	Plastering, (Omitted and replace with Fermacell)	£-	£-	Incl.
Works Package 16	Kitchen and Utility Units (White lacquered kitchen cabinet doors with a hardwood timber worktop)	£-	£-	£5,000.00
Works Package 17	Decorations & Wall Ceramics (Tiling within shower room and above sink in WC. Tiled splashback above kitchen worktop)	£-	£-	£2,500.00
Works Package 18	Floor Finishes (solid/ engineered timber flooring)	£-	£-	£3,500.00
TOTAL		£-	£-	£69,350.00

Preliminary figures only – Further design development required from manufacturers and suppliers for value engineering. Taking economies of scale into account would dramatically reduce overall cost.



A Cost Report **must** be provided alongside your design proposals. Please use this Excel spreadsheet to summarise your estimated cost and provide this as the **first** sheet of your report.