

LIVIN**HOME**
CROSS**PLATFORM**
M**HAUS**
COURTYARD**HOUSE**
FAST**HOUSE**
CANFLOAT**HOUSE**



LIVIN

HOME

CRYSTAL PALACE

CASE STUDY - CURRENTLY UNDER CONSTRUCTION



LIVINHOME
A new housing typology

CRYSTAL PALACE

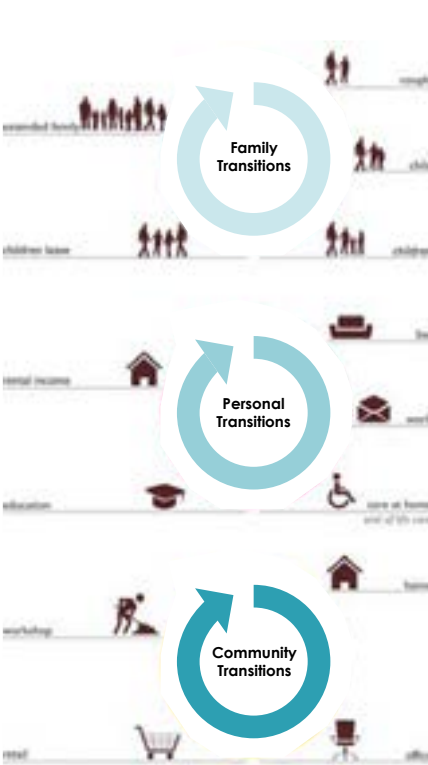
CASE STUDY - CURRENTLY UNDER CONSTRUCTION



LIVINHOME

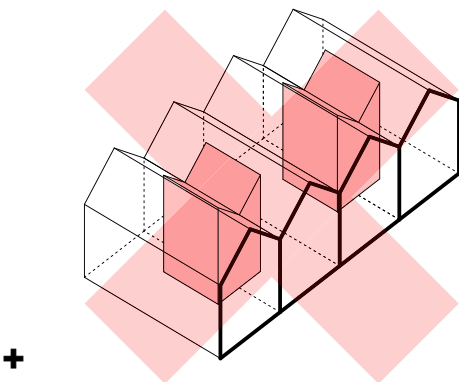
A new typology for homes and communities in transition

THE UK's HOUSING CHALLENGE



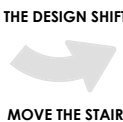
CONCEPTUAL APPROACH

TRADITIONAL HOUSING SCHEME
Central core circulation



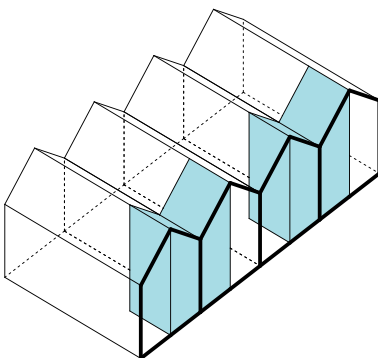
- + Central core circulation
- Traditional layout configuration
- Accommodation around core

Restricted layout -
Limited construction flexibility & adaptability -



MOVE THE STAIR

LIVINHOME CONCEPT
Move circulation to front or side of dwelling



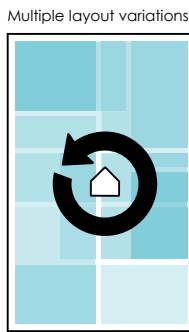
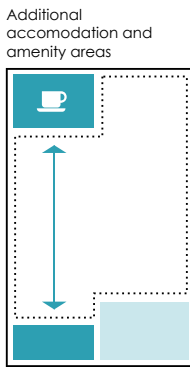
- + Customized & adaptable core that facilitates varying design solutions (traditional/modern)
- Adaptable & dynamic layouts with minimum intervention (vertically and horizontally)
- Designed for transition, meeting the needs of the owner over time
- Economically & socially sustainable
- Scalable model suitable for different functions and combinations e.g. Housing, Retail and Office in various urban contexts
- Offers variable building form and elevation designs
- Modular - designed for intelligent construction
- Predesigned extension & remodelling

CONCEPTUAL DIAGRAMS

TRADITIONAL HOUSE



LIVINHOME



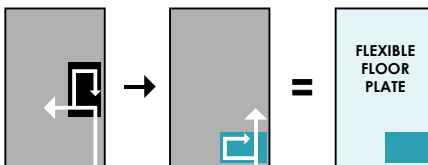
LIVINHOME

A new typology for homes and communities in transition

WHY THIS STRATEGY?

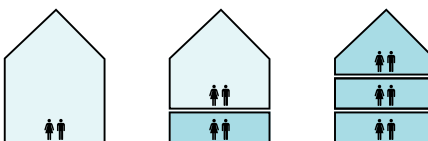
CORE CONCEPT

By relocating the stair Livinhome brings the flexibility and adaptability needed for fully customised solutions using different layouts. Independent access to different floors is provided without having to enter accommodation areas.



FLEXIBILITY

Livinhome provides a flexible model for accommodation that can change from a house, to a duplex, to single apartments or even offices and retail.



ADAPTABILITY

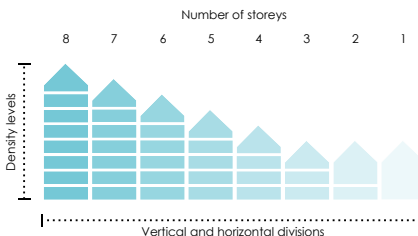
By means of an adaptable layout, Livinhome provides a solution that meets specific cultural and personal needs.



THE MARKET SOLUTION

DENSITY

Livinhome offers low rise, high density housing. The design is transferable, scalable and suitable for single houses through to urban blocks.



VARIABLE ELEVATIONS

Livinhome provides variable building forms and elevation designs to suit different contexts.



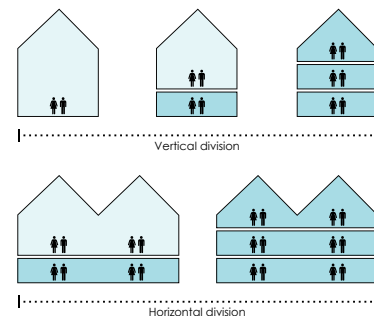
FLEXIBLE URBAN FORM

- House
- Duplex / Flats
- Office
- Retail



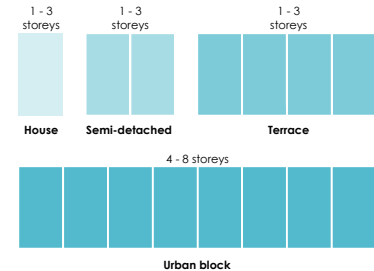
TPOLOGY

Livinhome provides a flexible typology that responds to changing needs and demands. It achieves this by facilitating easy vertical and horizontal movement and adaptation.



VARIABLE URBAN FORMS

Livinhome provides small and large scale buildings that easily change use as its occupants or even its neighbourhood needs evolve over time.

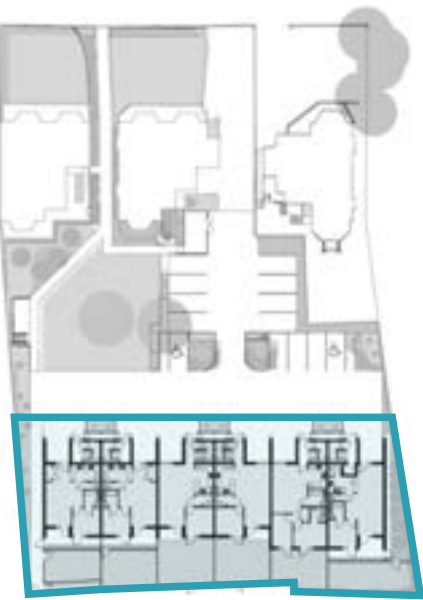




CRYSTAL PALACE
CASE STUDY - CURRENTLY UNDER CONSTRUCTION

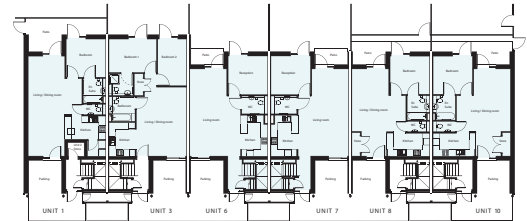
LIVINHOME
A new typology for homes and communities in transition

SITE PLAN

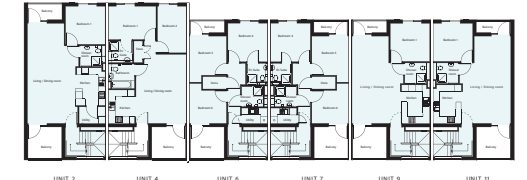


PLANS AND ELEVATIONS

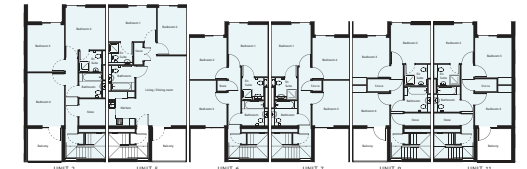
Ground floor plan



First floor plan



Second floor plan

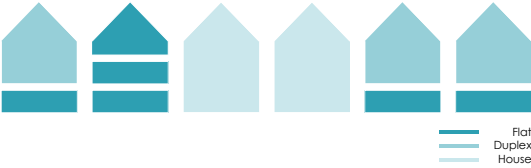


Front elevation



CASE STUDY
CRYSTAL PALACE, LONDON

Types of accommodation



Unit		Area per unit in sq m	Area per unit in sq ft	Bedrooms per unit
Unit 1	Ground floor	63	678	1
Unit 2	1st & Loft duplex	159	1,717	4
Unit 3	Ground floor	71	764	2
Unit 4	1st floor	71	763	2
Unit 5	Loft floor	71	760	2
Unit 6	Per unit	199	2,137	6
Unit 7	Per unit	198	2,128	6
Unit 8	Ground floor	57	611	1
Unit 9	1st & Loft duplex	142	1,527	4
Unit 10	Ground floor	57	611	1
Unit 11	1st & Loft duplex	142	1,527	4
Total		1,017	13,224	33

CROSS

PLATFORM

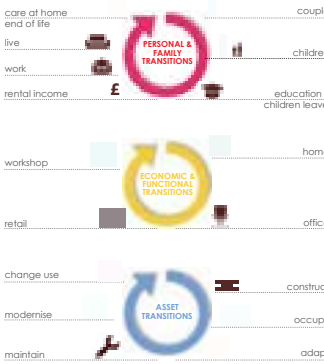
CROSSPLATFORM ARCHITECTURE

A new template for buildings and communities in transition

1: theBRIEF

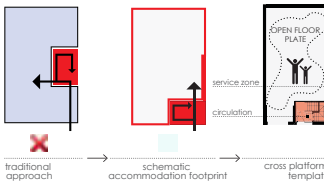
Cross Platform Architecture responds to a variety of challenging social and economic conditions, including but not limited to:

- There is a need for new housing and building products that are better suited to diverse demographics and rapidly changing socio-economic forces
- There is a need for housing - 240K new homes per annum in the UK
- Buildings are increasingly required to be adaptable flexible assets
- Accommodate flexible life and work
- Combination of under occupancy and overcrowding in office / housing stock
- Shortage of land - the need for higher development densities and ability to re-use built assets
- Increasing role of technology in social and business interaction
- Communities in Constant change and transition
- Sustainable communities will be better served by a built environment that is responsive to change and able to transform itself
- Use of smart technology and intelligent construction in building design, procurement and operation, with an increase use of Modern Methods of Construction



2: theSTRATEGY

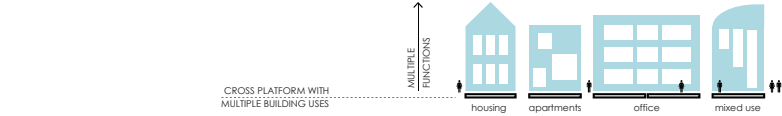
The strategic positioning of vertical circulation and services to create a common platform (floor plate) that is flexible, adaptable and suitable for multiple uses.



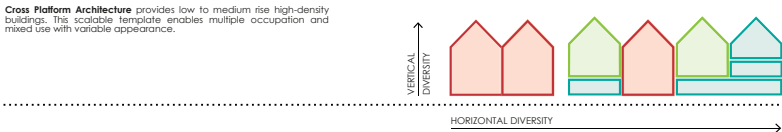
3: theSOLUTION

Single design template - multiple uses

The Cross Platform template is suitable for multiple building types.



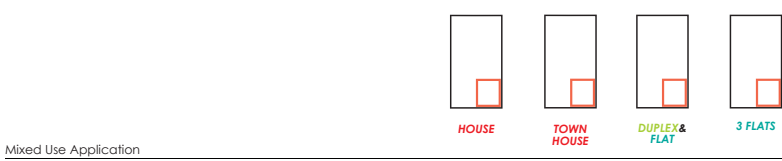
Density and Urban Form



Residential Application

Cross Platform Architecture in housing is suitable for public and private housing. In the UK this would meet London Plan Housing Design Guide, Lifetime Homes, and Secured by Design, Building for Life, the Code for Sustainable Homes. Design standards can be modified to meet specific project needs.

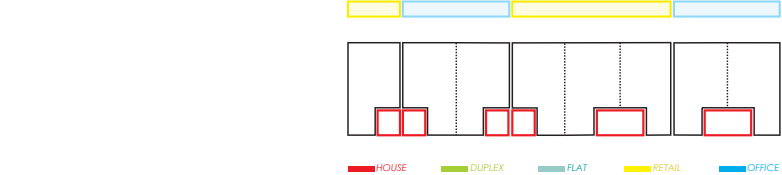
The Platform template provides a flexible model for accommodation that can change from a house to a duplex, single apartments or even offices and retail.



Mixed Use Application

Combined templates provide large floor plate areas that are sub-divisible. The circulation strategy allows for the horizontal and vertical distribution of occupied areas. Individual living or work area requirements can be efficiently modified to meet changing needs. Over time, the occupation and use of the entire building adapts in response to market and community demands.

Cross Platform Architecture is a dynamic asset for a world in transition.



Elevations and appearance

The Cross Platform template does not constrain elevation design. The appearance of buildings remains subject to site, context, function and other relevant criteria.



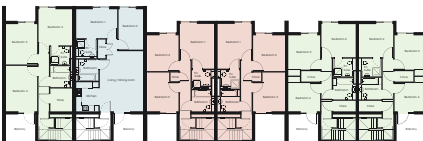
CROSSPLATFORM ARCHITECTURE

A new template for buildings and communities in transition

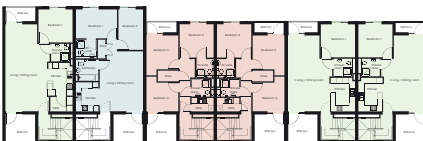


PLANS AND ELEVATIONS

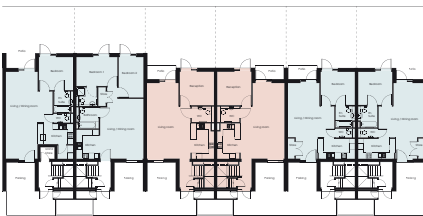
Second floor plan



First floor plan



Ground floor plan



WOODVIEW MEWS CRYSTAL PALACE, LONDON

The **Cross Platform Architecture** template as been used to create six, three storey modules, that provide eleven residential units in a combination of houses, duplexes and flats.

M

HAUS

MHAUS

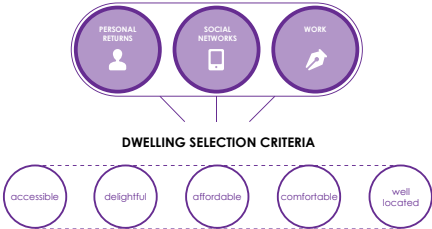
A new typology for homes and communities in transition

THE UK's MARKET DEMANDS

240k new homes per year

Do we have the sufficient types to meet the needs of society?

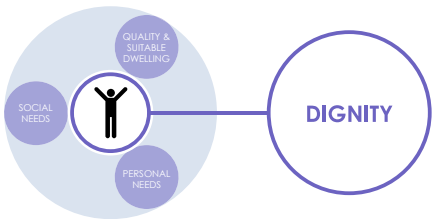
Long gone are the days where individuals or families purchased or rented a single property for life. Most people want to live somewhere that allows us to connect and support our personal and social networks and aspirations. The place we call home should allow us to nurture and improve our lives, be accessible and affordable and provide a sense of comfort and delight.



THE CHALLENGE

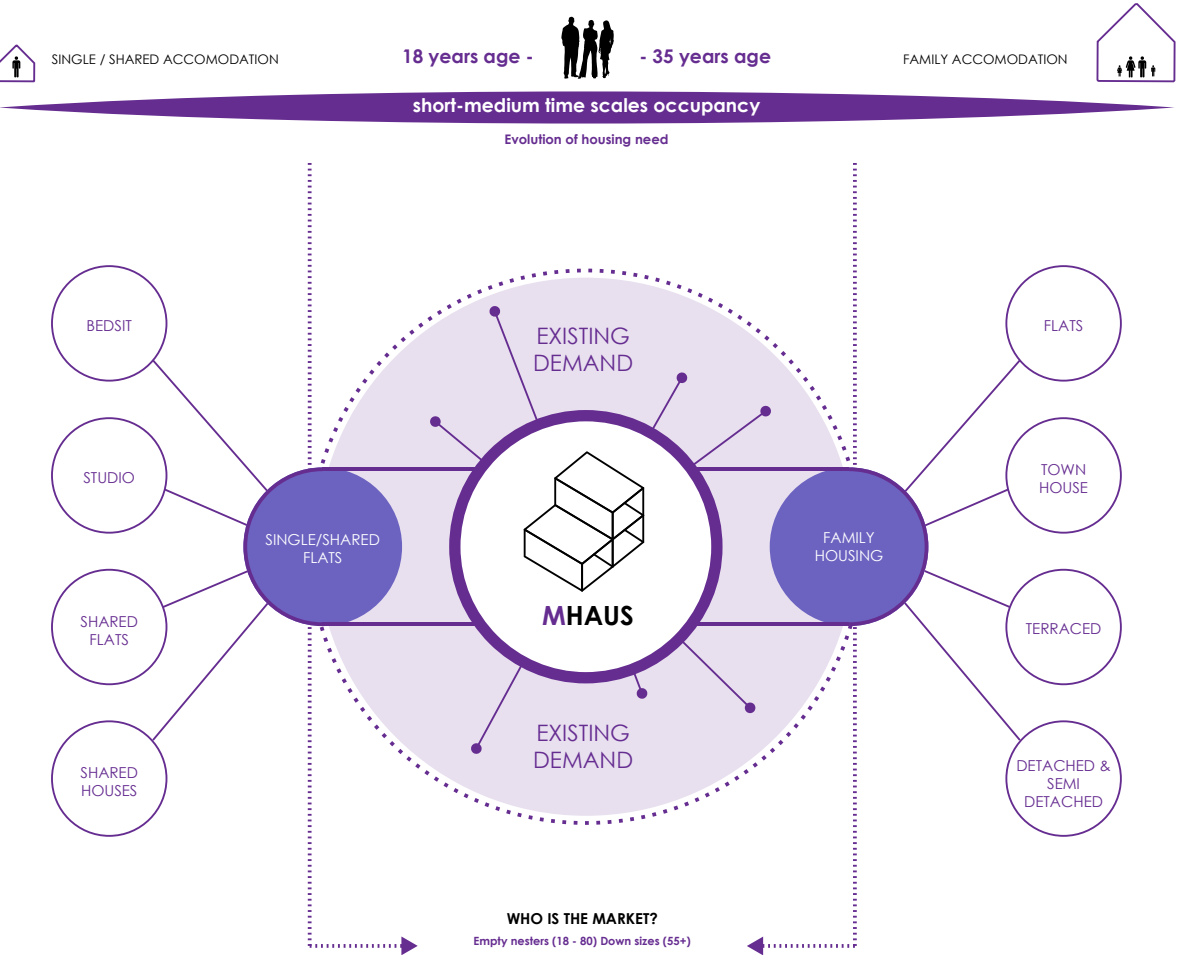
What is the future housing strategy?

Our dwellings must contribute to the development and maintenance of human dignity. What is dignity? It means something different to almost everyone, but what all will probably agree on is that it gives us a feeling of safety and security, it is tangible and delightful, and it helps build confidence.



DESCRIPTION

What is the our design objective: To offer new housing typologies to the market



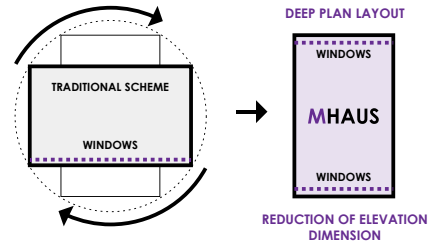
MHAUS

A new typology for homes and communities in transition

WHY THIS STRATEGY?

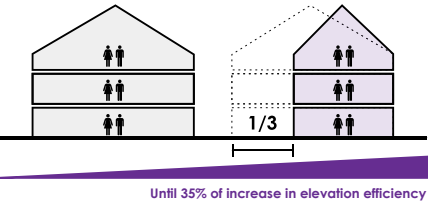
CONCEPT

MHAUS is a traditional design solution with a contemporary and technological input.



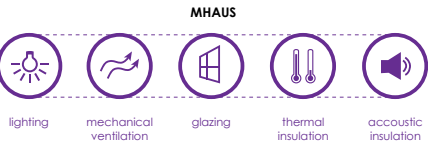
SPATIAL OCCUPANCY / DENSITY

MHAUS is a modular scheme of accomodation that provides an increase of average density levels (population) per linear meter.



TECHNOLOGICAL SOLUTIONS

By means of technological design solutions, MHAUS provides a scheme that meets all UK building requirements and housing standards.



THE MARKET SOLUTION



INTERNAL AREAS

Entrance hall: 3.57 m2
Bathroom: 4.40 m2
Bedroom: 12.00 m2
Living, dining and kitchen: 27.63 m2



Flat bed capacity: 2 persons



M HAUS

1 BEDROOM FLAT (50m2)

KITCHEN FURNITURE SCHEDULE

CYL Hot Water Cylinder FF Fridge/Freezer S Sink H Hoven/Hob WM Washing Machine DW Drawer BU Base unit RB Recycle Bins

CYL	FF	S	H	WM	DW	BU	RB



Flat bed capacity: 4 persons



INTERNAL AREAS

Kitchen and dining: 12.60 m2
Bathroom: 6.00 m2
Bedrooms: 12.00 m2
Living room: 21.00 m2

M HAUS

2 BEDROOM FLAT FOR 4 PERSONS (70m2)

KITCHEN FURNITURE SCHEDULE

CYL Hot Water Cylinder FF Fridge/Freezer S Sink H Hoven/Hob WM Washing Machine DW Drawer BU Base unit RB Recycle Bins

CYL	FF	S	H	WM	DW	BU	RB

COURTYARD

HOUSE



COURTYARDHOUSE

CONCEPTUAL IMAGES - Aerial View



COURTYARD HOUSE

CONCEPTUAL IMAGES

COURTYARDHOUSE

Kitchen and dining room



Flat bed capacity: 5 persons

INTERNAL AREAS

Kitchen and dining room: 14.43 m²
 Bathroom: 3.80 m²
 Living room: 17.85 m²
 Corridor: 10.36 m²
 Bin storage: 1.20 m²

EXTERNAL AREAS

Courtyard: 20.00 m²



COURTYARD HOUSE

GROUND FLOOR (52m² - GIA)



COURTYARDHOUSE
Courtyard



Flat bed capacity: 5 persons



INTERNAL AREAS

Bedroom 1: 13.86 m²
 Bedroom 2: 12.00 m²
 Bedroom 3: 8.50 m²
 Bathroom: 4.40 m²
 Storage: 2.00 m²
 Corridor: 9.90 m²

COURTYARD HOUSE
FIRST FLOOR



COURTYARDHOUSE

Living room



Flat bed capacity: 5 persons

AREAS

Corridor: 6.40 m²
Exterior space 1: 22.70 m²
Exterior space 2: 20.50 m²



COURTYARD HOUSE

SECOND FLOOR - OPTION A



COURTYARDHOUSE

Courtyard



Flat bed capacity: 5 persons

INTERNAL AREAS

Corridor: 6.40 m²
Bedroom: 16.84 m²
Bathroom: 4.40 m²

EXTERNAL AREAS

Exterior space 1: 22.70 m²



COURTYARD HOUSE

SECOND FLOOR - OPTION B



COURTYARDHOUSE
CONCEPTUAL IMAGES



COURTYARD HOUSE
CONCEPTUAL IMAGES - Aerial View

FAST

HOUSE



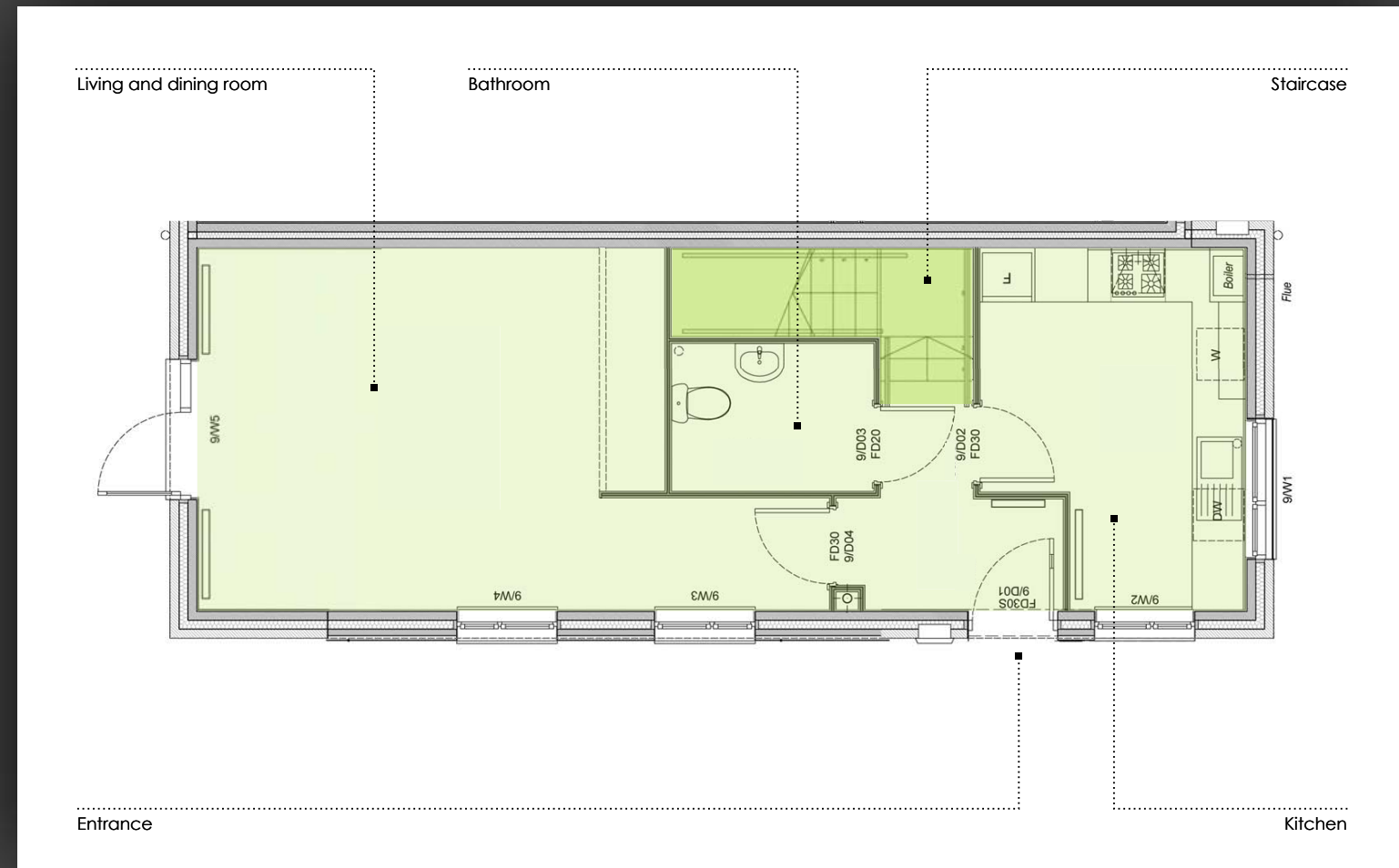
AYLESBURY
CURRENTLY UNDER CONSTRUCTION



Floor bed capacity: 0 persons

INTERNAL AREAS

Living and dining room: 24 m²
Bathroom: 4 m²
Entrance / Staircase: 6 m²
Kitchen: 11 m²



FAST HOUSE
GROUND FLOOR



AYLESBURY

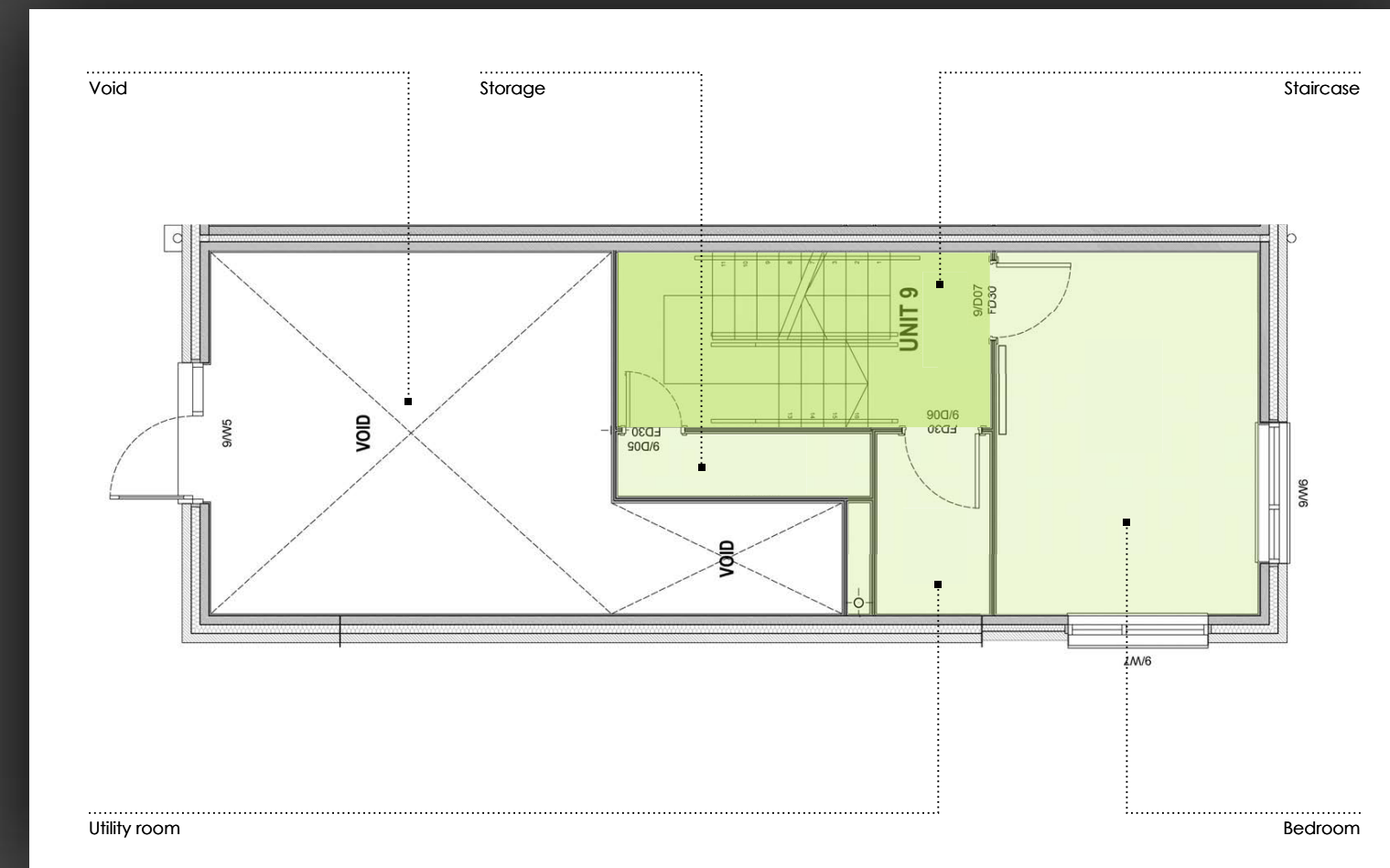
CURRENTLY UNDER CONSTRUCTION



Floor bed capacity: 2 persons

INTERNAL AREAS

Storage: 2 m²
Utility room: 3 m²
Bedroom: 12 m²
Staircase: 8 m²



FAST HOUSE

FIRST FLOOR



FAST HOUSE

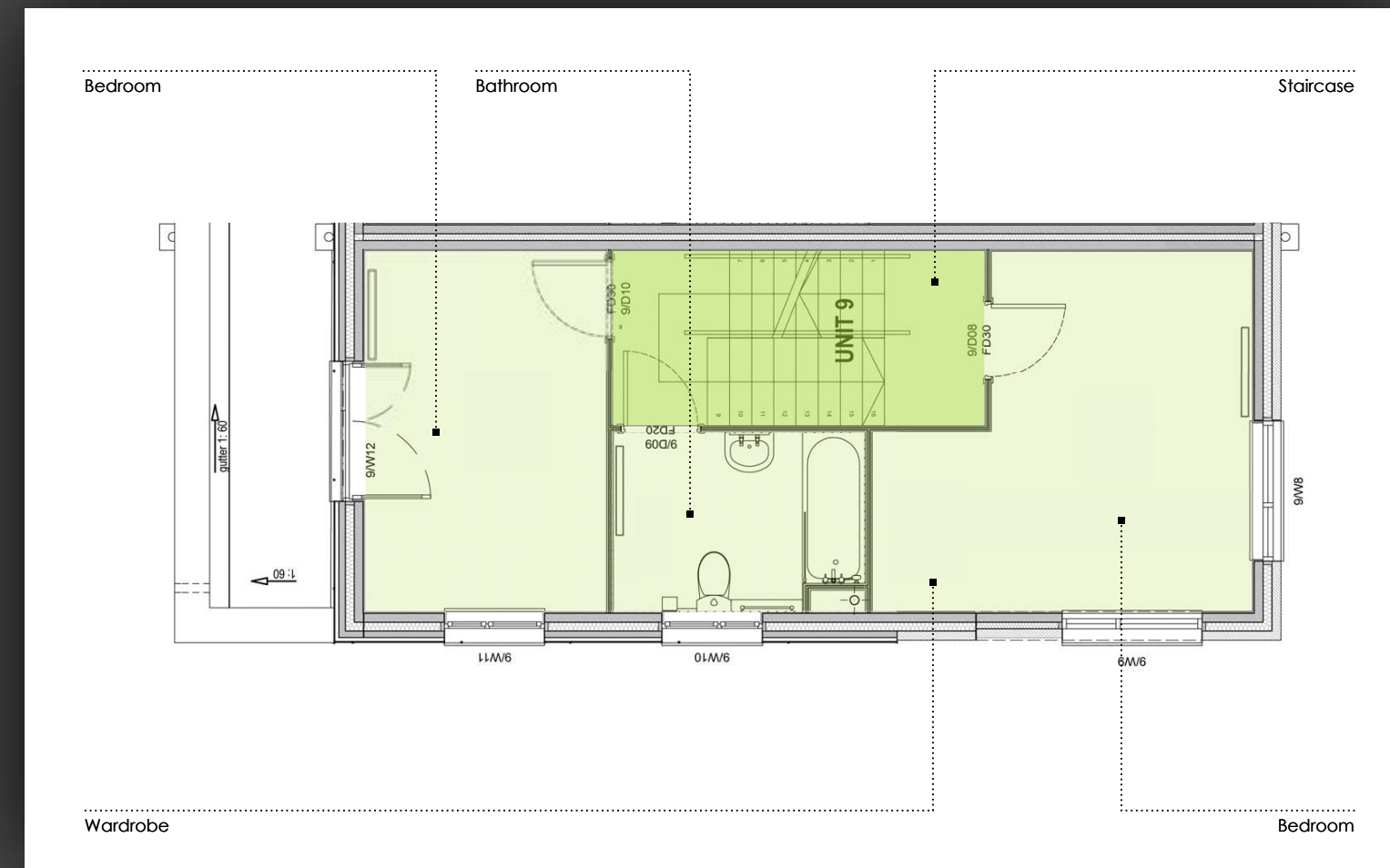
3D SECTION



Floor bed capacity: 3 persons

INTERNAL AREAS

Bedroom 1: 11 m²
 Bathroom: 6 m²
 Staircase: 8 m²
 Bedroom 2: 12 m²
 Wardrobe: 3 m²



FAST HOUSE

SECOND FLOOR



SECTIONS

Bedroom: 11 m²
Bathroom: 6 m²
Staircase: 2 m²



Floor bed capacity: 1 person

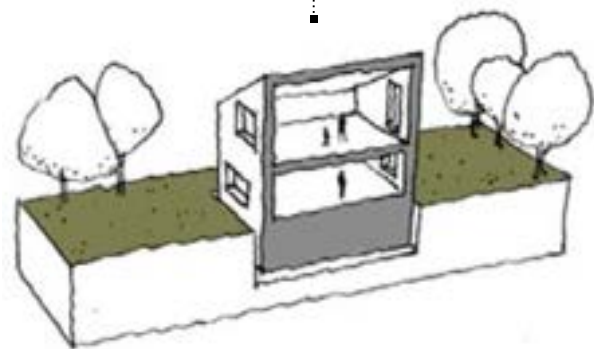


THIRD FLOOR

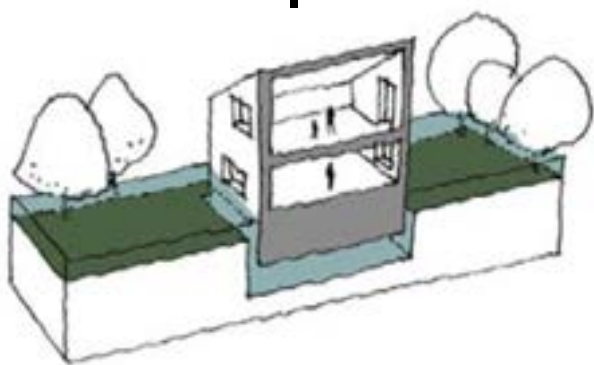
CANFLOAT

HOUSE

Dry conditions



Flooded conditions



The building is designed to rise up in the event of flooding

No damage to the house
Property can be insured
Mortgageable
Sustainable

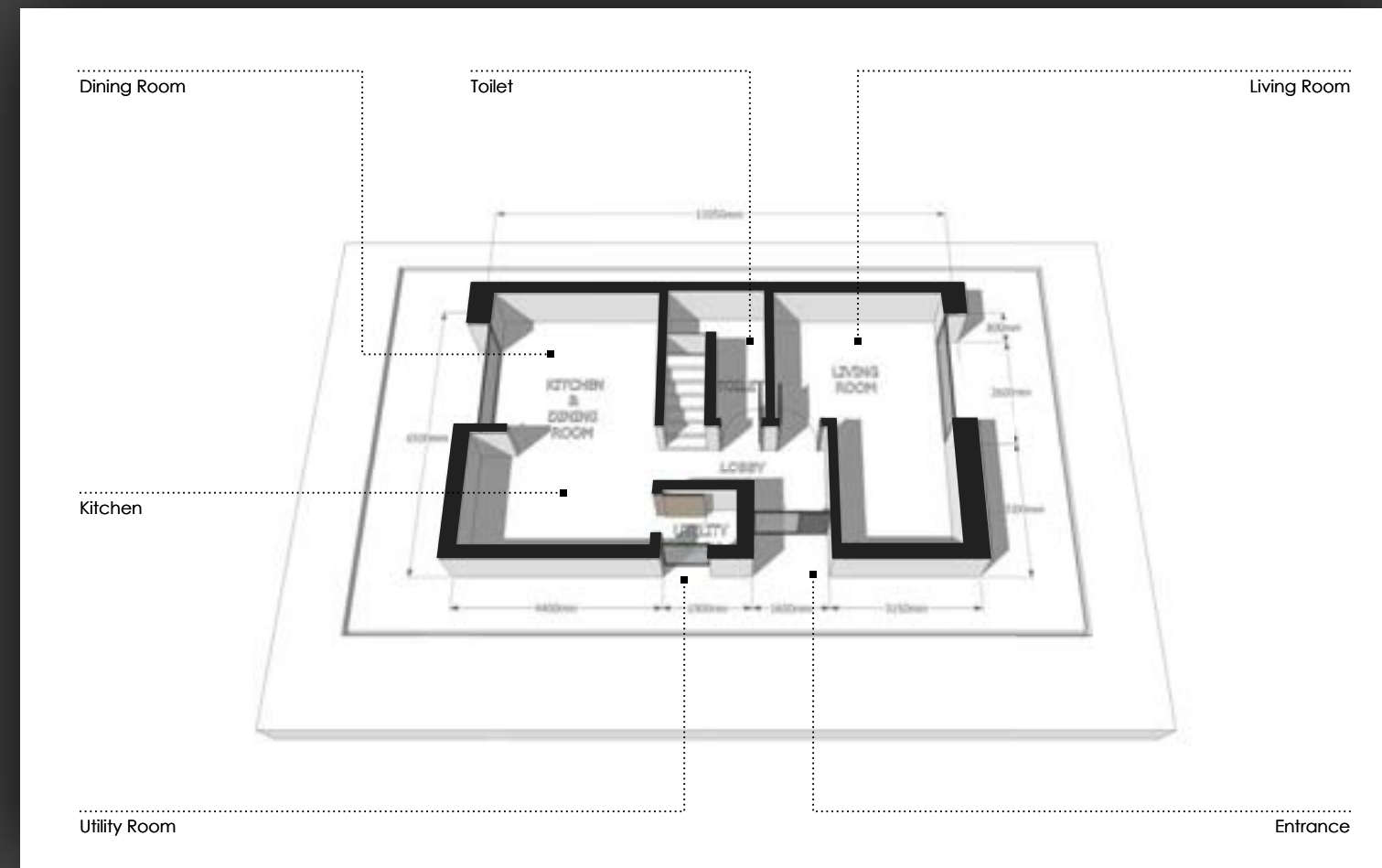
CANFLOAT HOUSE
CONCEPTUAL APPROACH



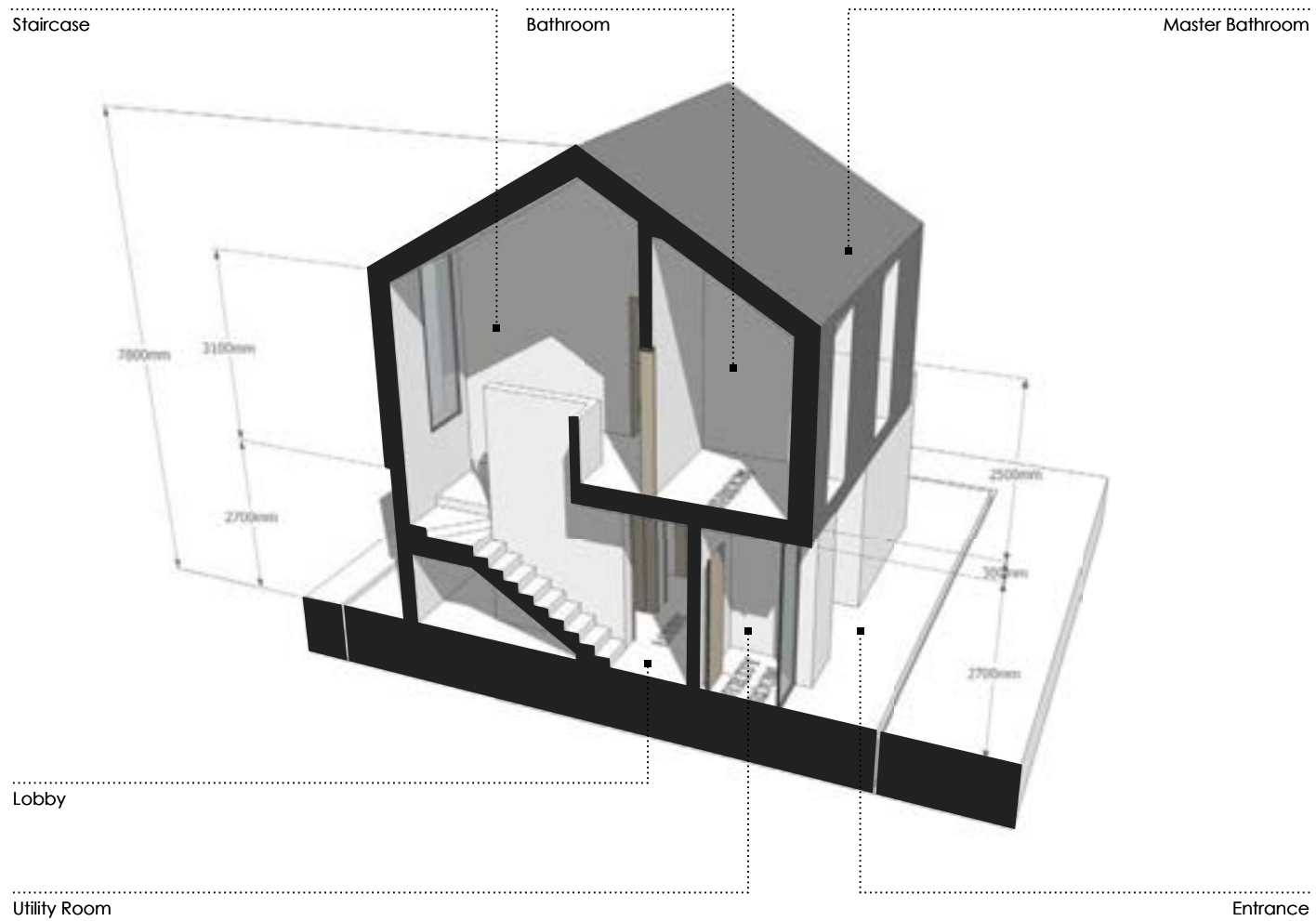
Floor bed capacity: 0 persons

INTERNAL AREAS

Living Room: 19 m²
Toilet: 5 m²
Lobby: 6 m²
Kitchen: 10 m²
Dining Room: 13 m²
Utility Room: 2 m²



CANFLOAT HOUSE
GROUND FLOOR



CANFLOAT HOUSE

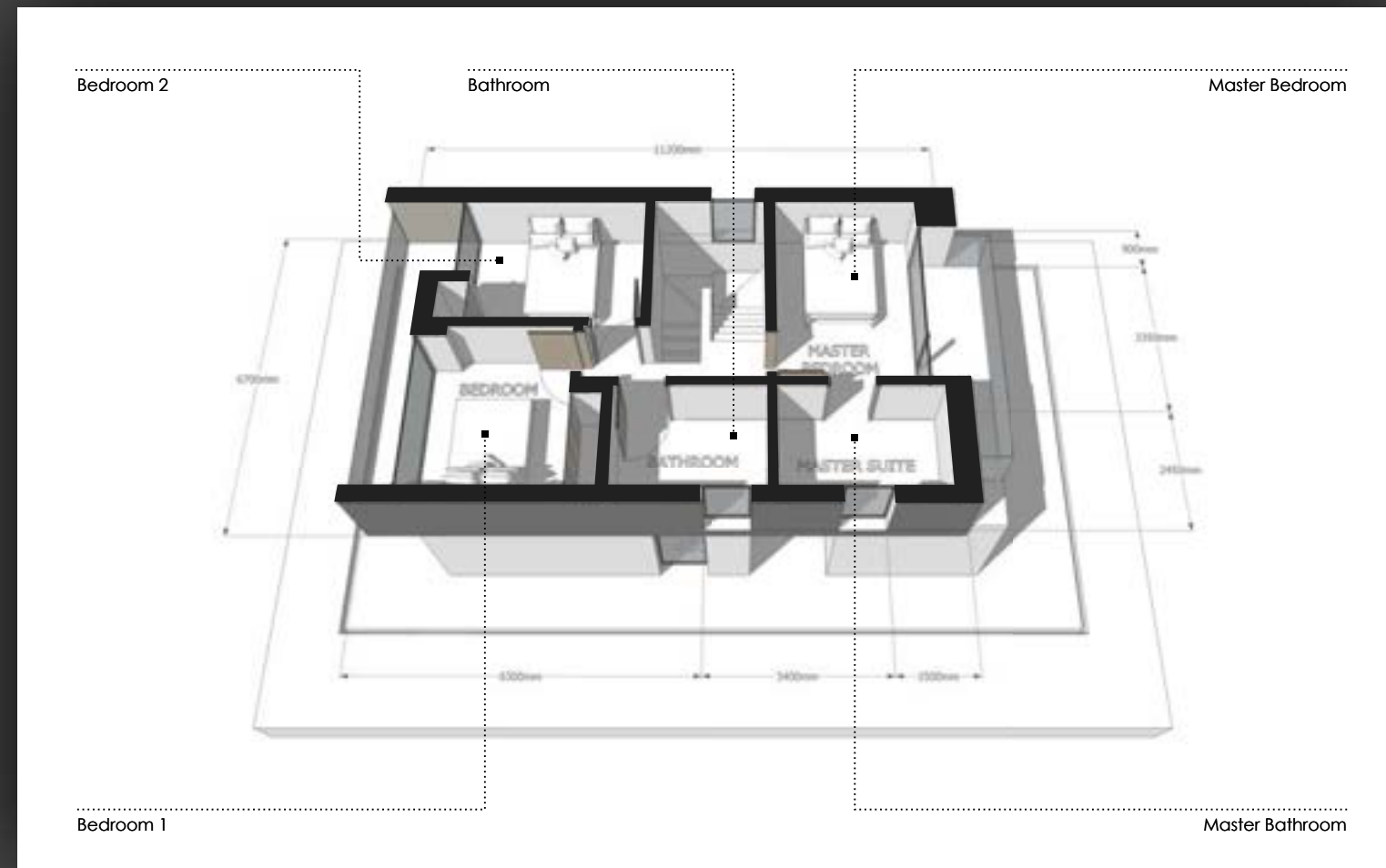
3D SECTION



Floor bed capacity: 6 persons

INTERNAL AREAS

Master Bedroom: 12 m²
 Master Bathroom: 6 m²
 Bathroom: 6 m²
 Bedroom 1: 12 m²
 Bedroom 2: 10m²



CANFLOAT HOUSE

FIRST FLOOR

FRONT ELEVATION



CANFLOAT HOUSE
CONCEPTUAL IMAGES

REAR ELEVATION



CANFLOAT HOUSE
CONCEPTUAL IMAGES

LIVINHOME
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