Joanna Moloney MArch2

Portfolio



A New Model Of Adaptive Reuse

My project aims to provide an alternative model of adaptive reuse by allowing the resident's to repair and improve the building themselves. This allows for the apartments to be affordable and fosters a sense of community in the area.

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Site Introduction

Both buildings used to be hospitals until 2011. It has been vacant since then.

West House

In 2014 planning permission was granted for a mixed use development for 'later living'. The local plan has allocated 20 units for the site.



Gambier House 3 storey Victorian building with modifications

Site Plan

5

1:500 @A2











¹ Flowers by Lil

Florist providing bespoke artificial bouquets and flower arrangements for weddings.

2 Sprodnick Baits

Fishing shop provid-ing bait and tackle.

3 West Hill Road Pottery

Shop selling home-made pottery.

Dating service for local residents and





POTTERY

7 Illustra Prototype Models

Shop that models of collective cars.

5 The Marina Fountain

food and drink.

6 Food City Hastings

Off licence.

Local pub that serves













4 Date Club Greenwich

black tie events.

Site History Artefacts

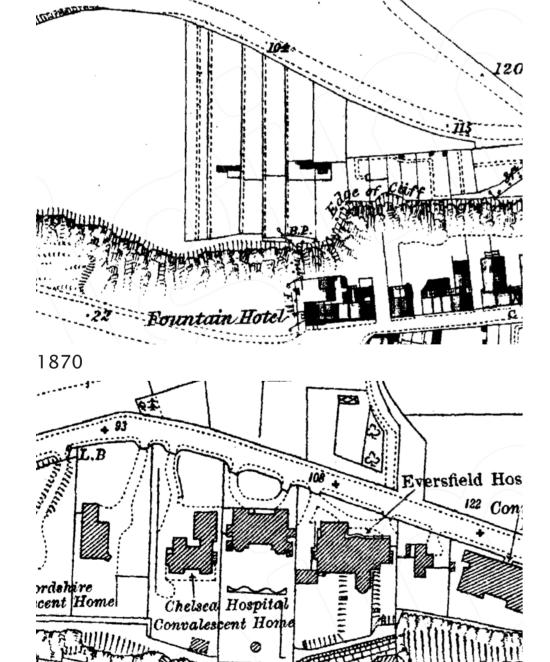
Gambier House was built as a Convalescent Gome for Railway Men in 1897. In 1948 the NHS purchased the site to use the buildings as hospitals. It was vacated in 2011. In 2014 a mixed use development for 'later-living' was granted planning permission.

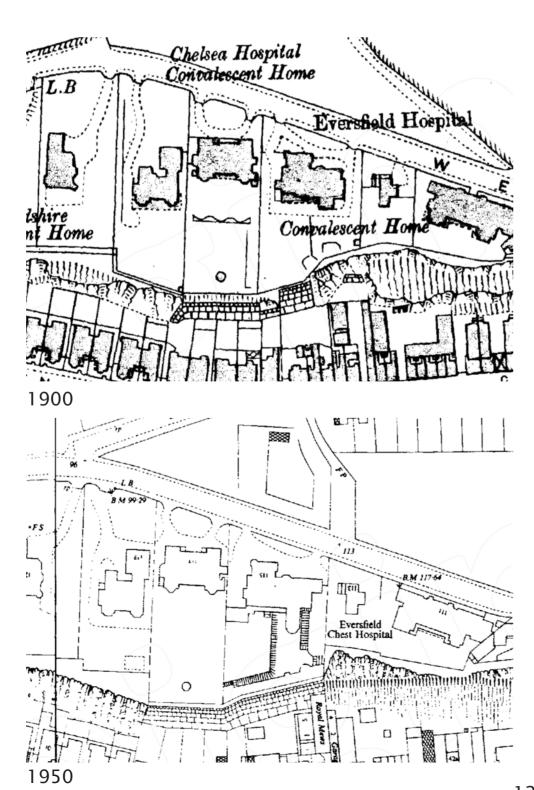














Brick textures from West Hill House facade



Crumbled brick from West Hill House facade

12







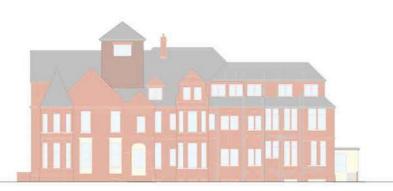
West House Gambier

Gambier House

West House













































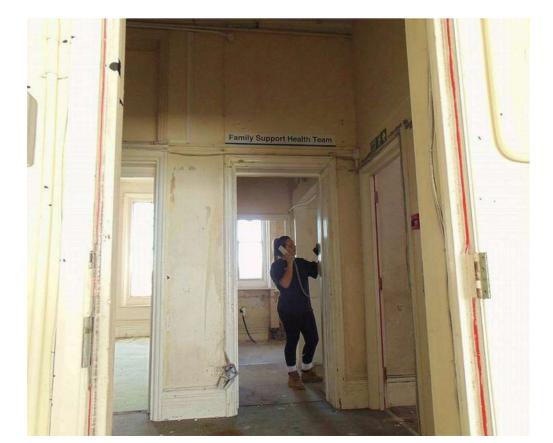








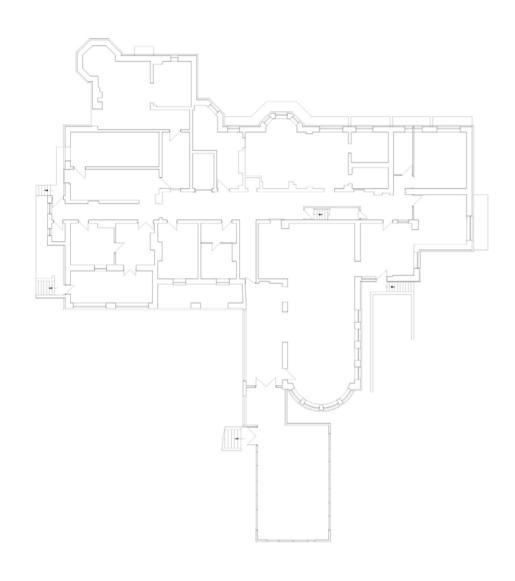




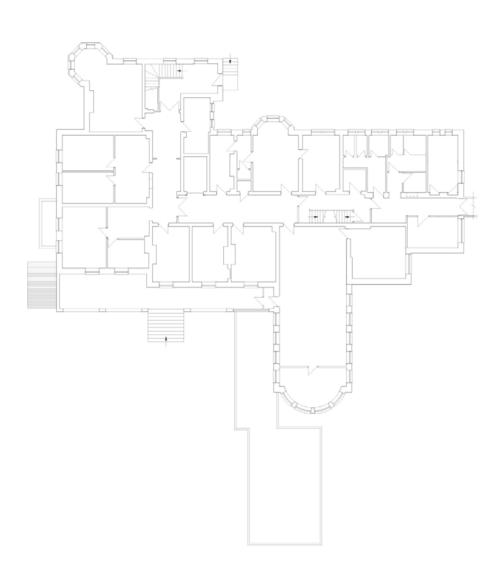




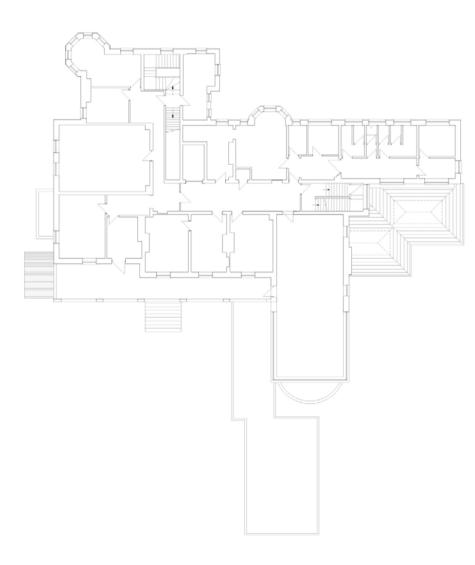
Lower Ground Floor



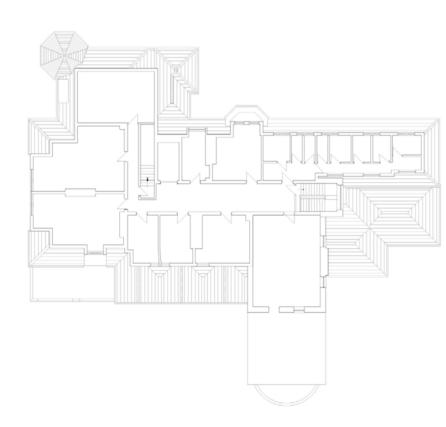
Ground Floor



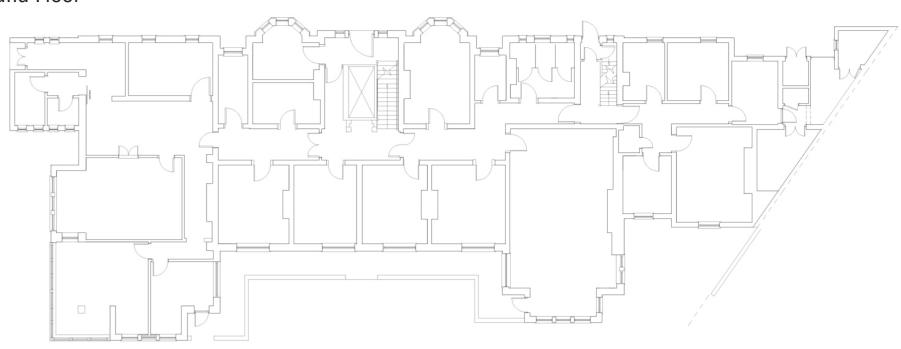
First Floor



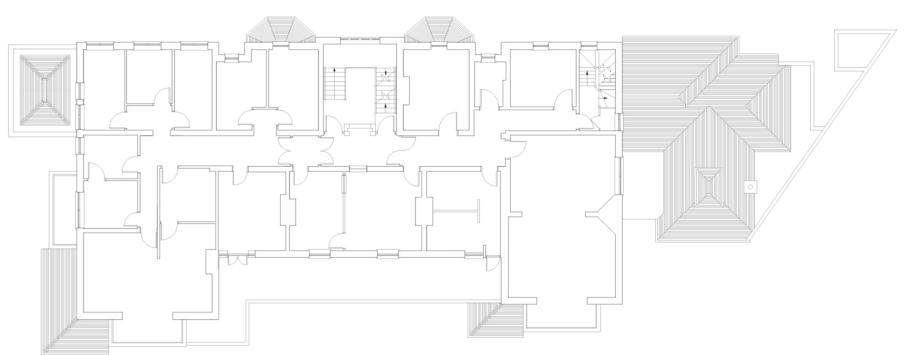
Second Floor



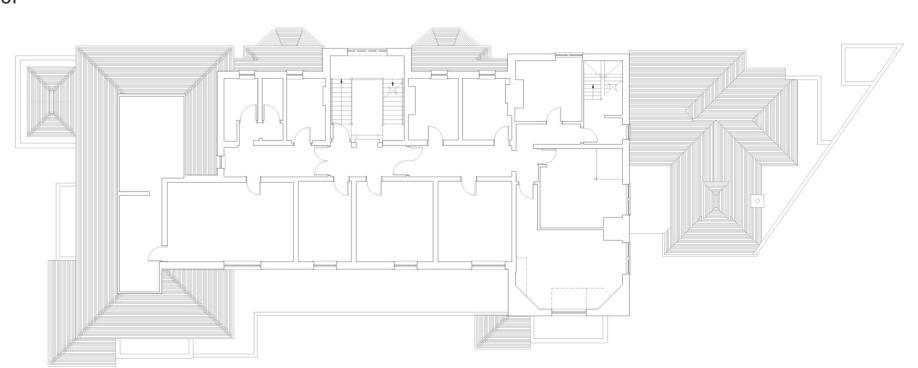
Lower Ground Floor



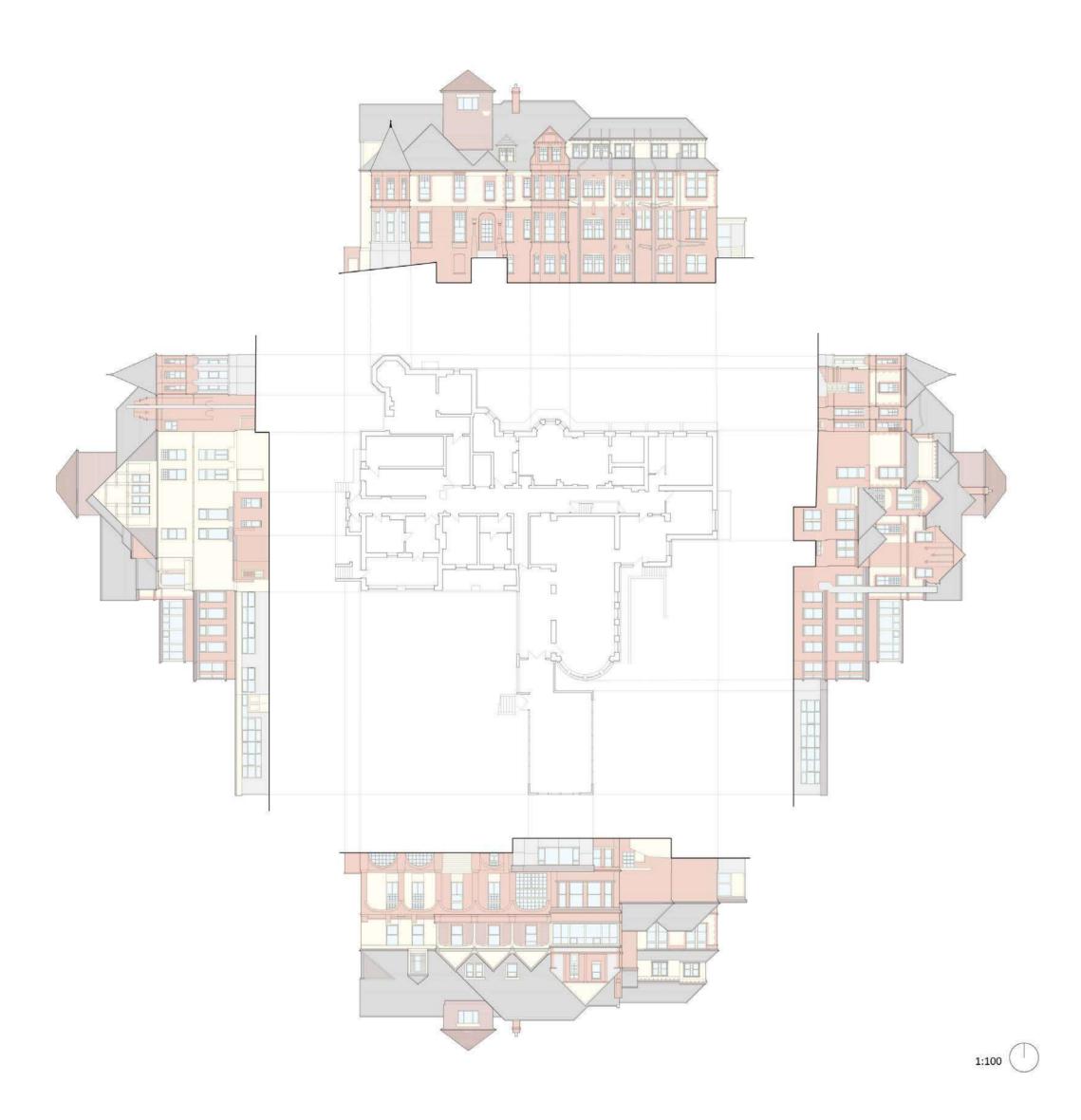
Ground Floor

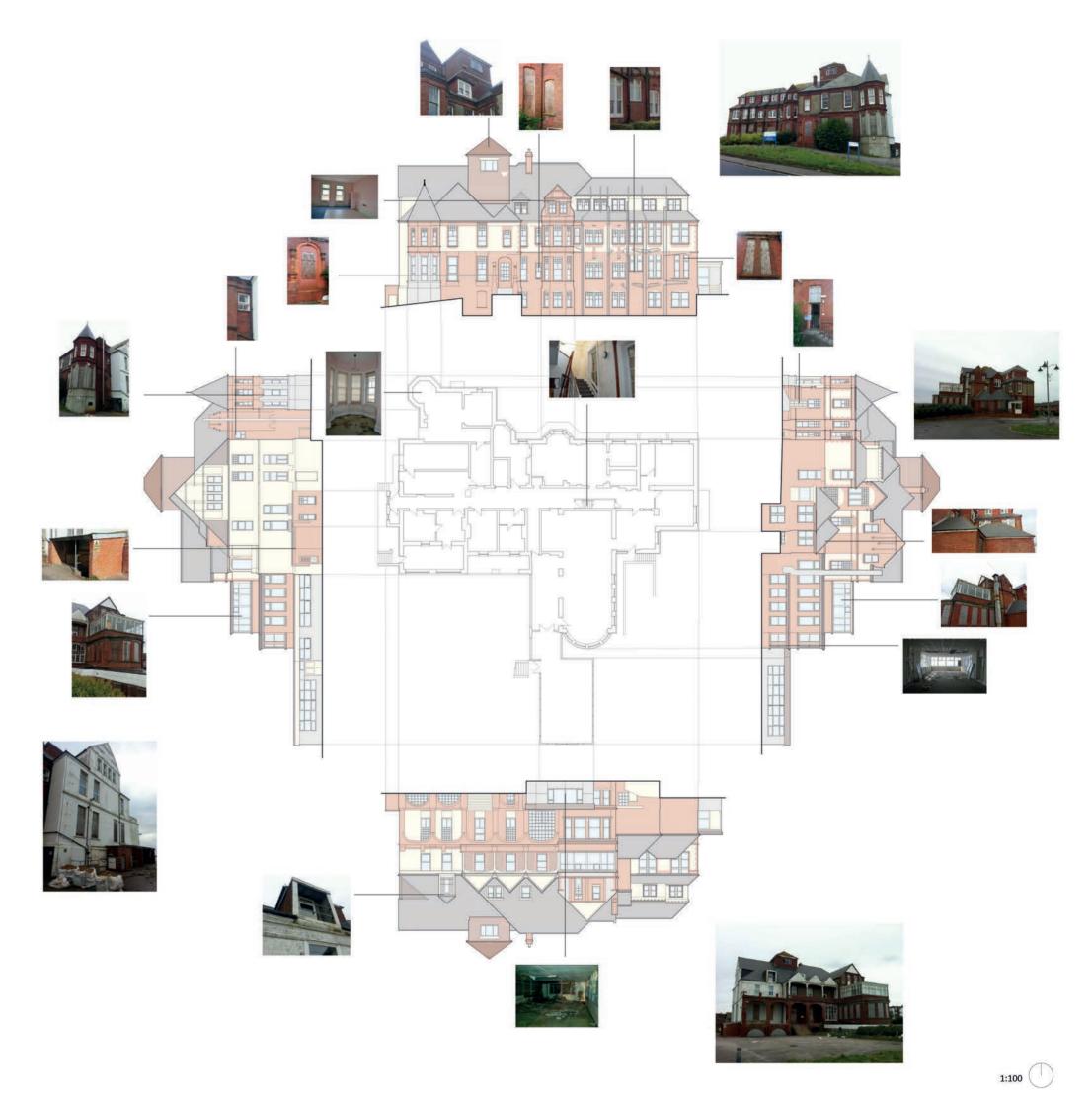


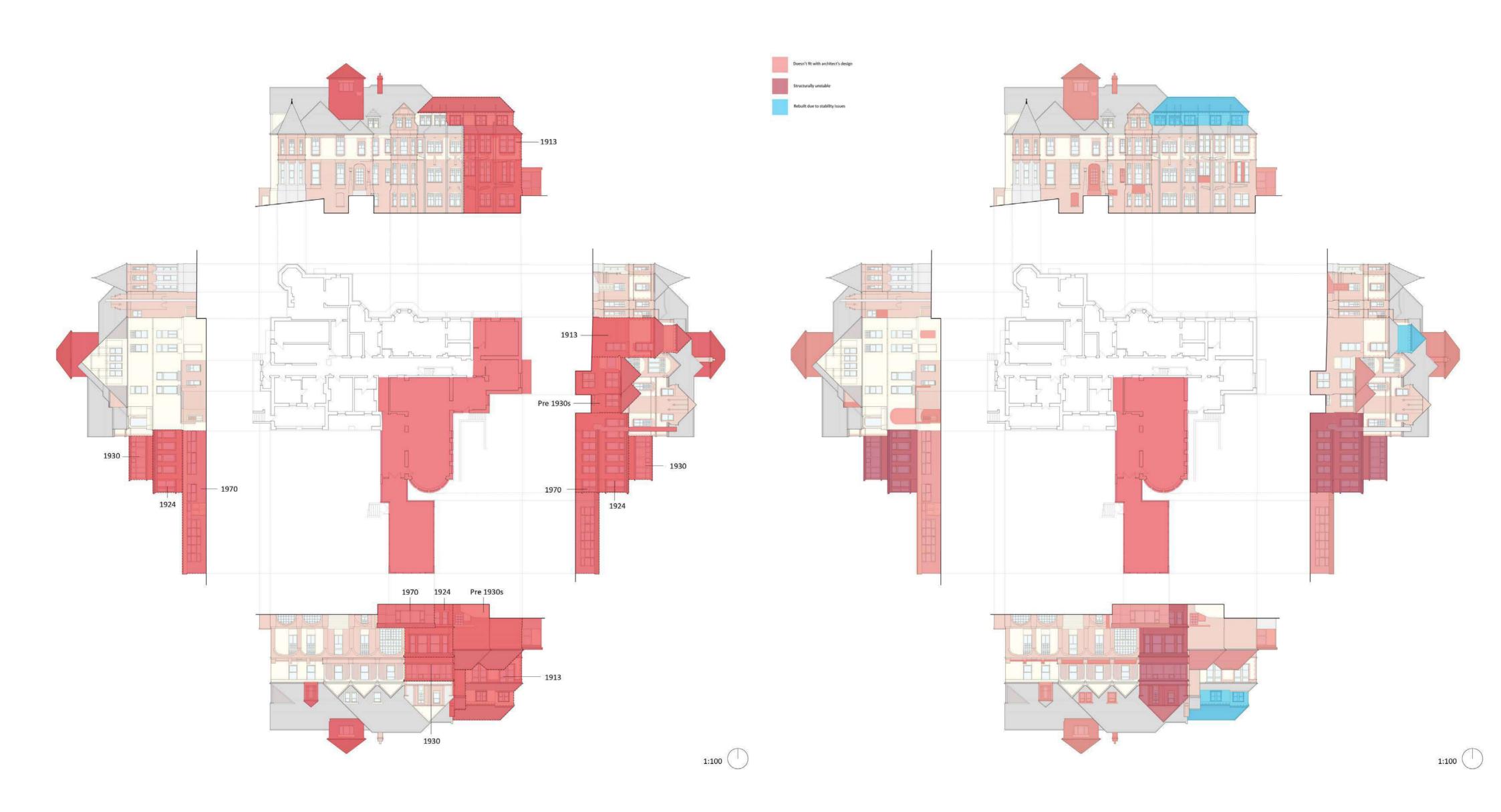
First Floor



West House Elevations West House Photographs







Gambier House Elevations



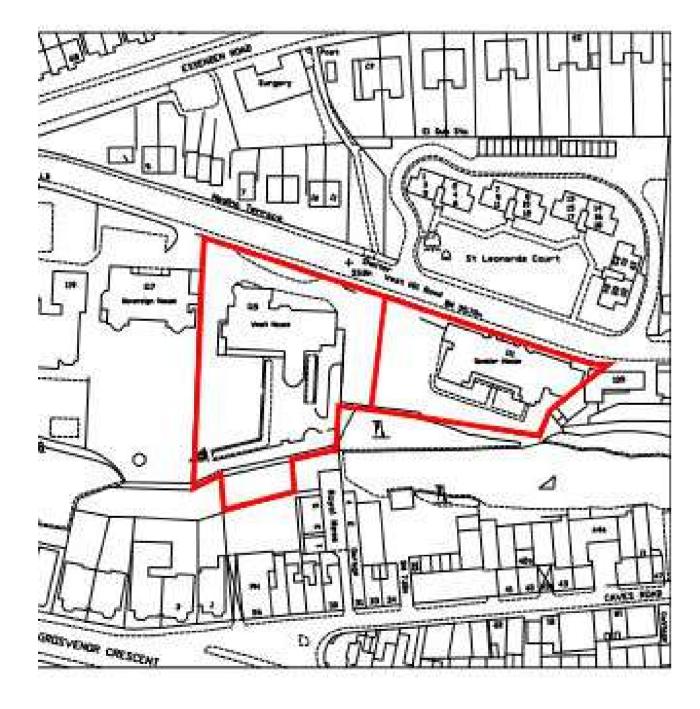


Brief Development

Local Plan

The Local Plan foresees the following for this Site:

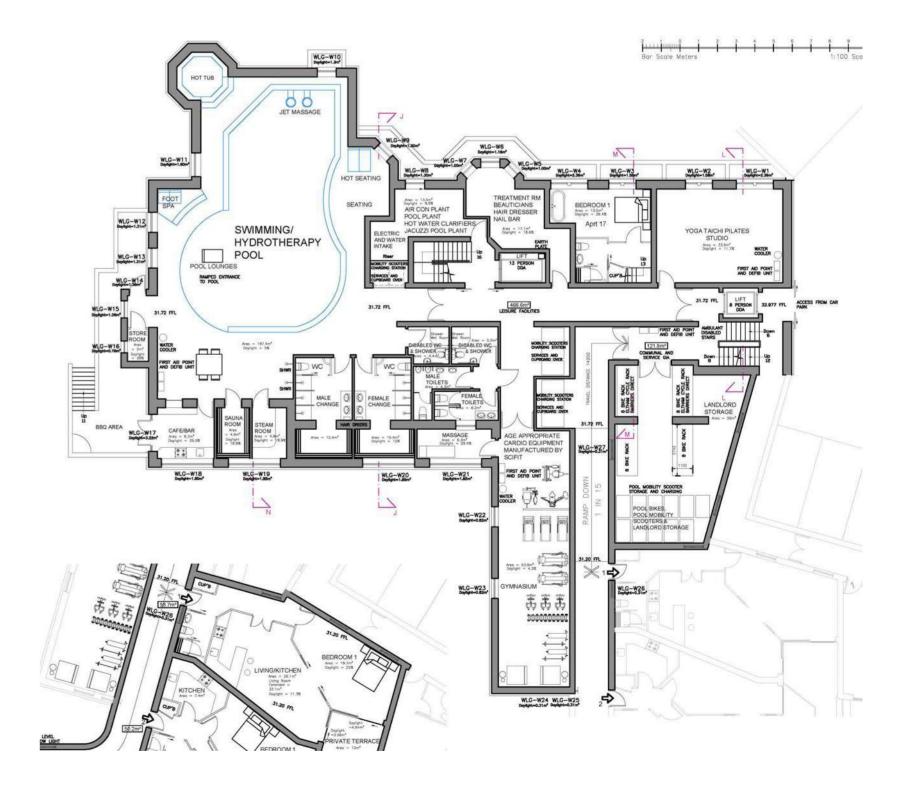
- Provide 25% affordable housing in line with policy SP2.
 Retain and restore Gambier House and West House buildings together with infill development, or demonstrate how demolition provides a better design response.
- Consider proposals that include removal of unsympathetic or out of keeping additions to the buildings in order to better reveal the original design as this will be supported.



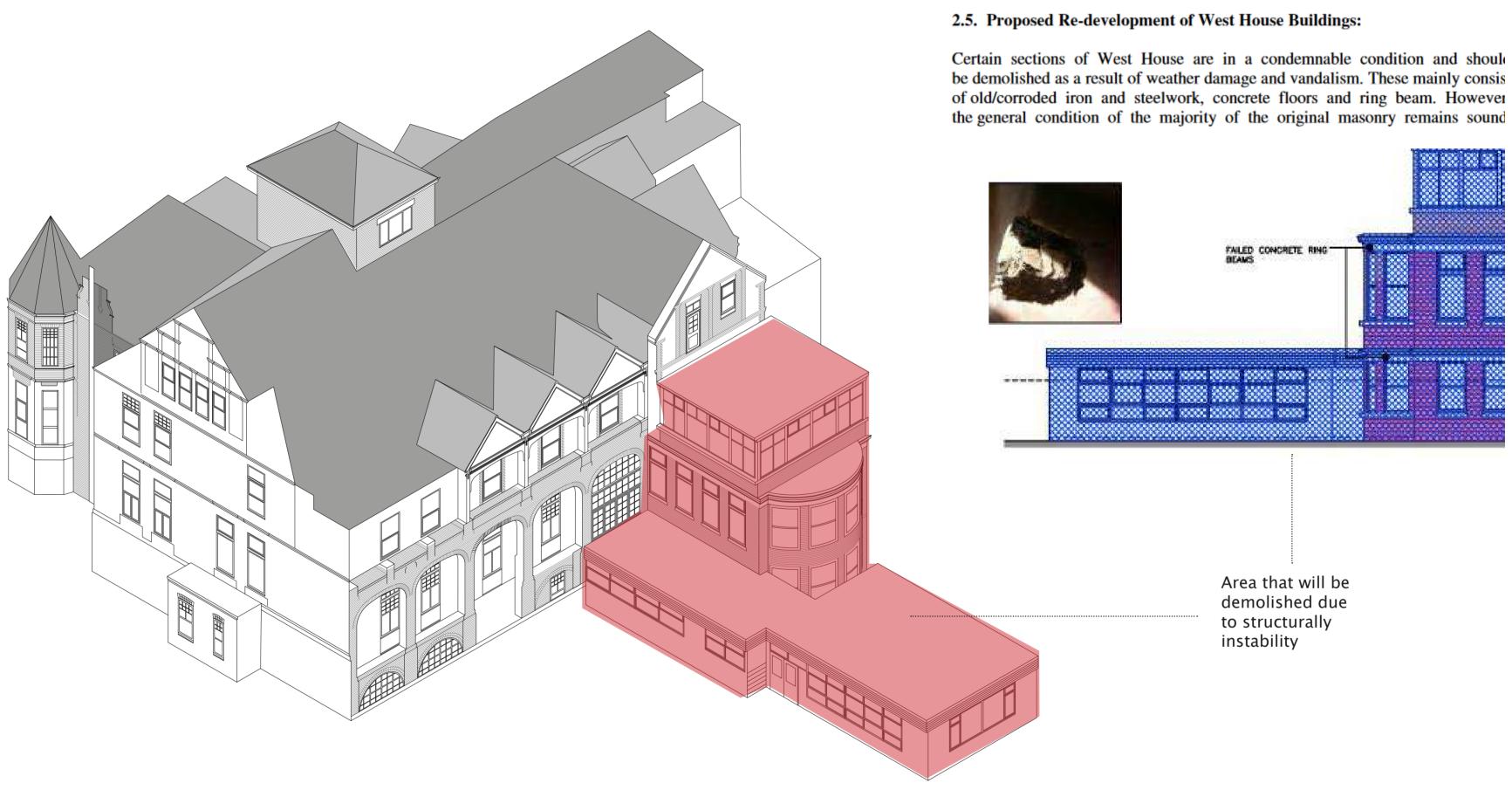
Eversfield Regeneration Designs

The buildings are currently being developed into luxury homes for 'later living' by Eversfield Regeneration. They aimed to restore the buildings to its original design and remove the new extensions.









Massing

Users And The Spaces They Need:

Main users:

Permanent residents:

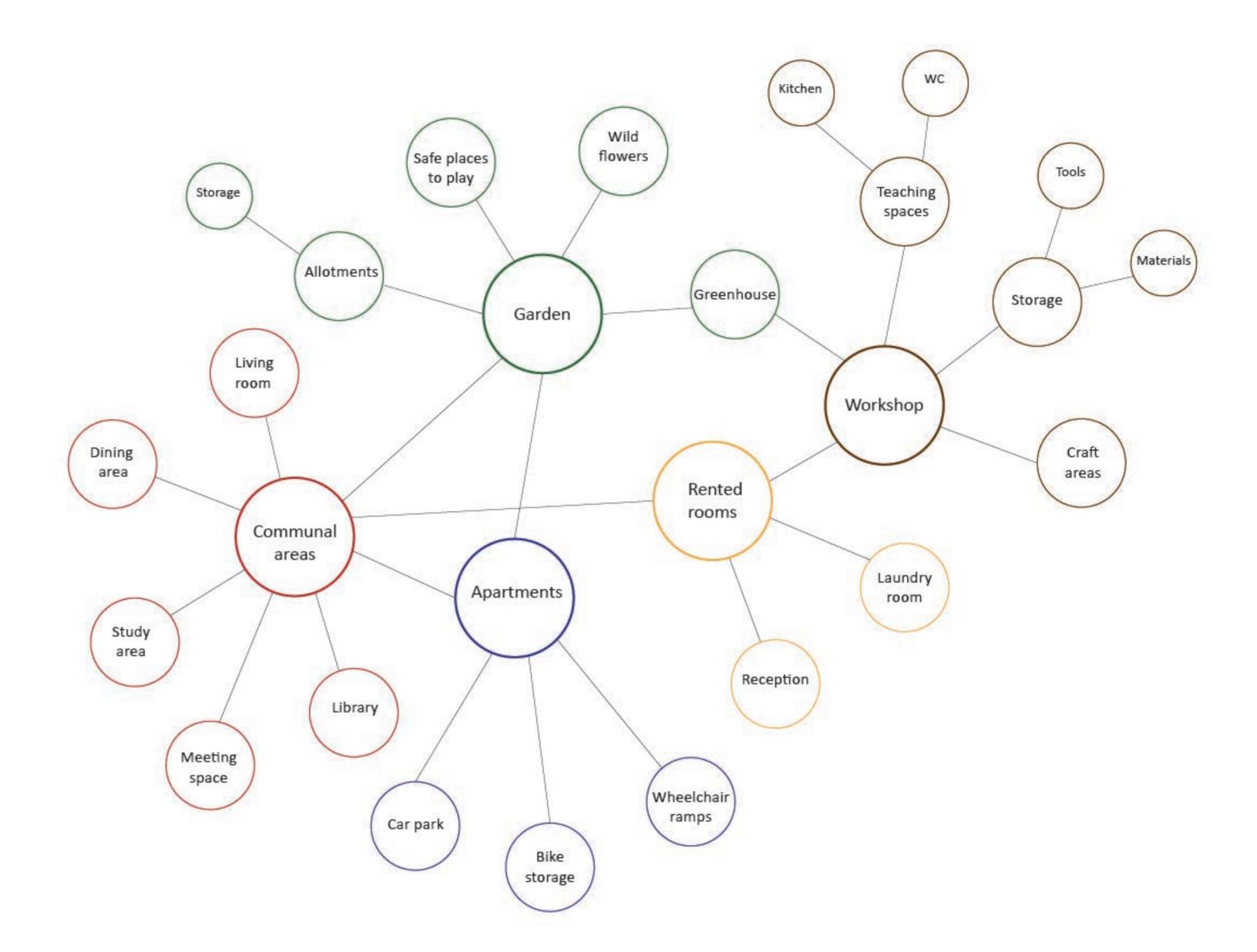
- -Adults
- -Young adults -Children

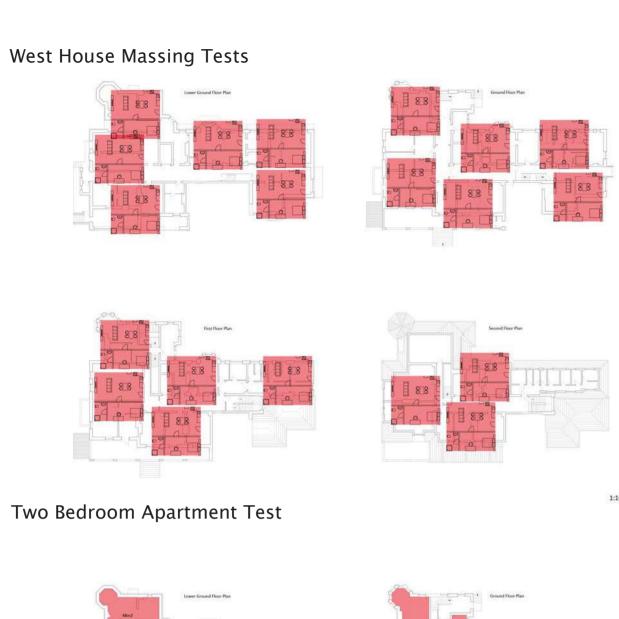
Temporary residents

Visitors to workshop and garden

Users with special requirements:
- Wheelchair users

- Elderly people
- Bike users
- Young children

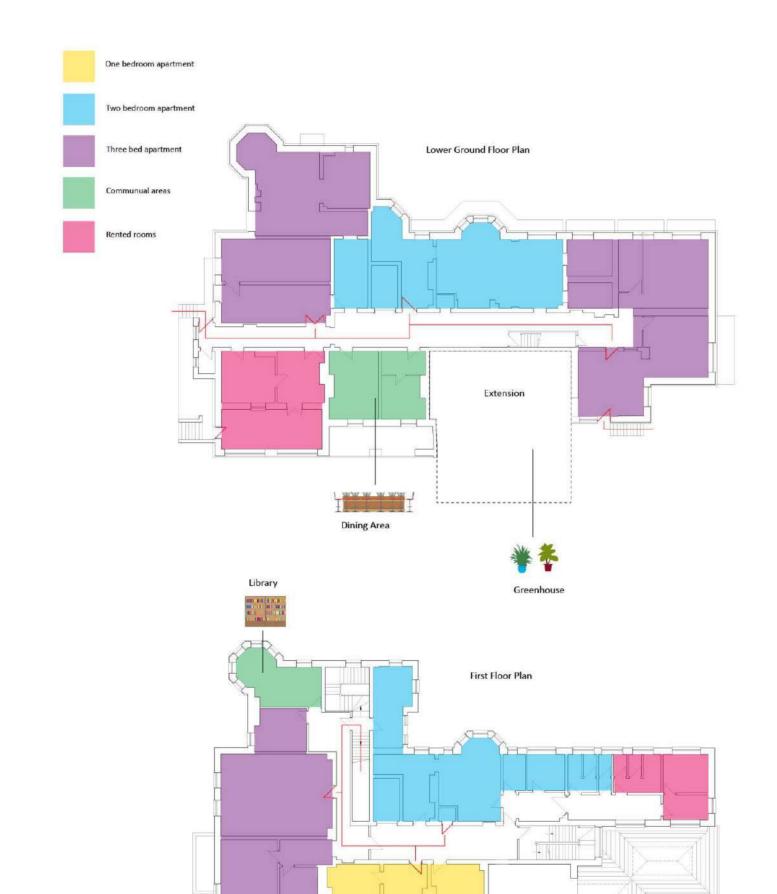




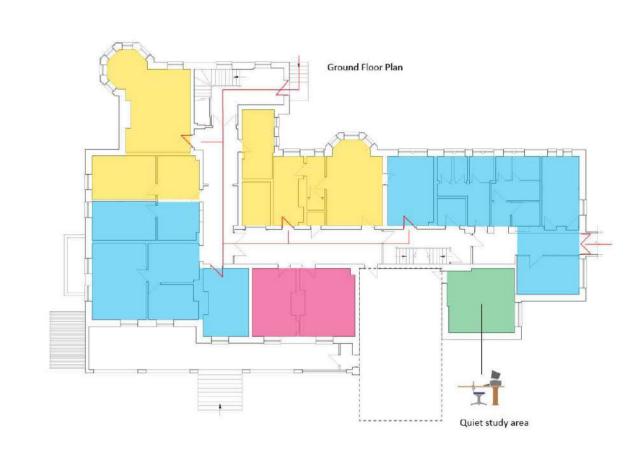


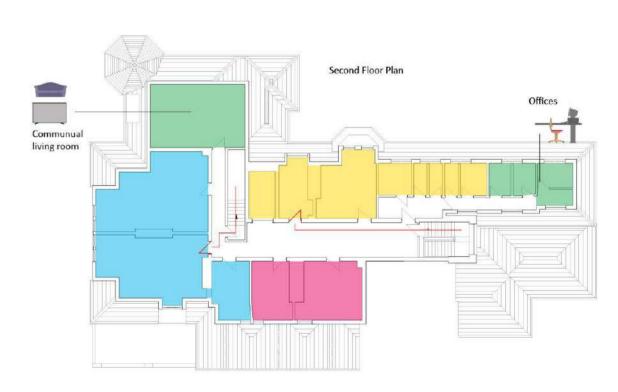


Fitting in 1, 2 and 3 Bedroom Apartments

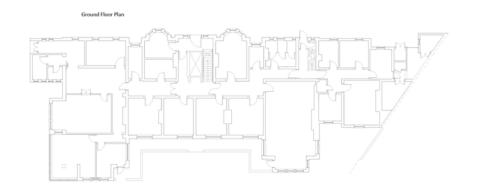


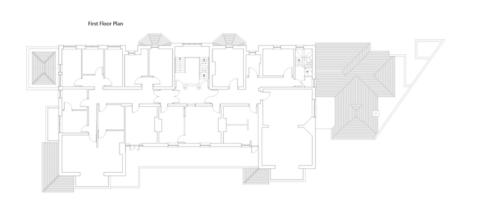
Adding More Uses

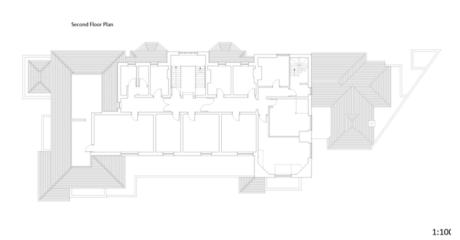




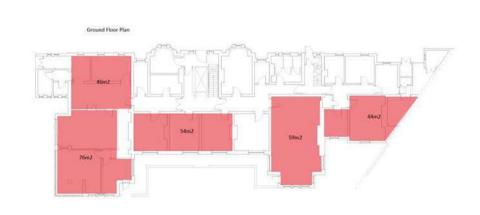
Gambier House Massing Tests

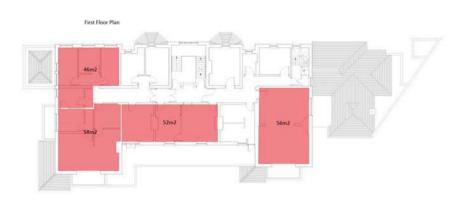


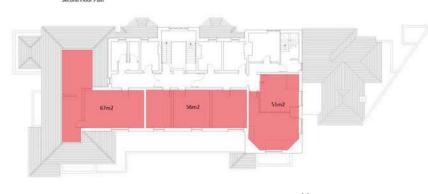




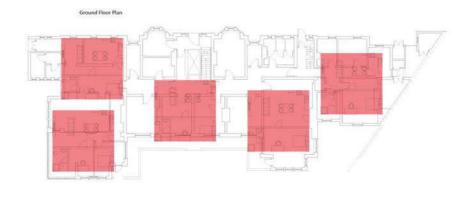
Existing Plans

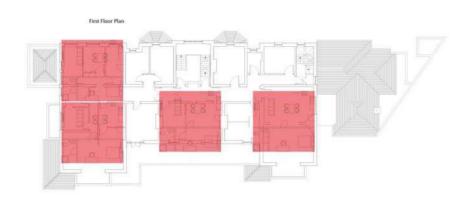


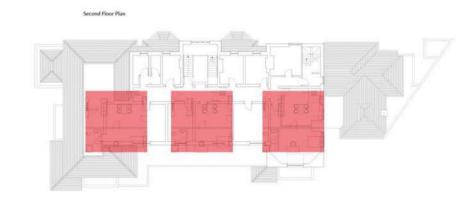




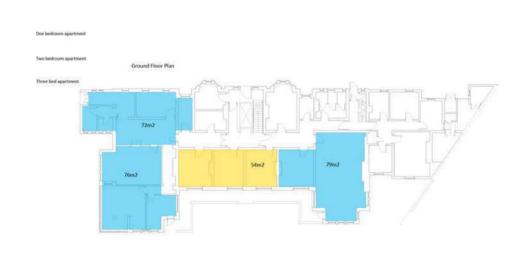
Fitting Apartments Into Existing Walls

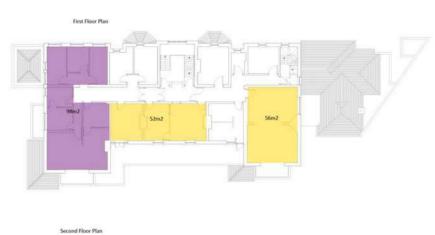


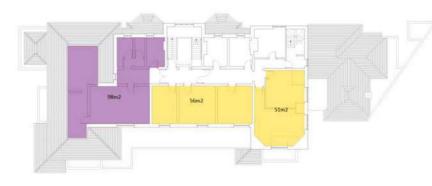




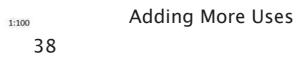
Two Bedroom Apartment Test

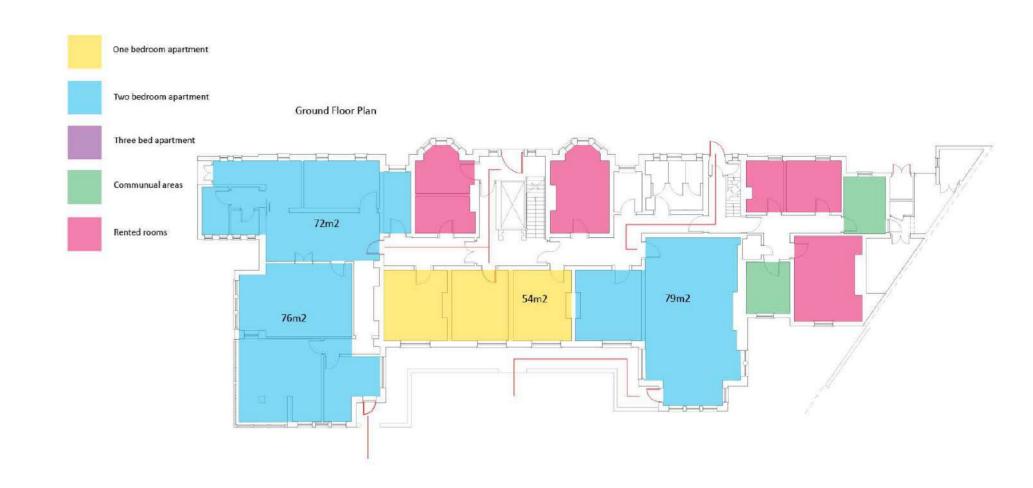


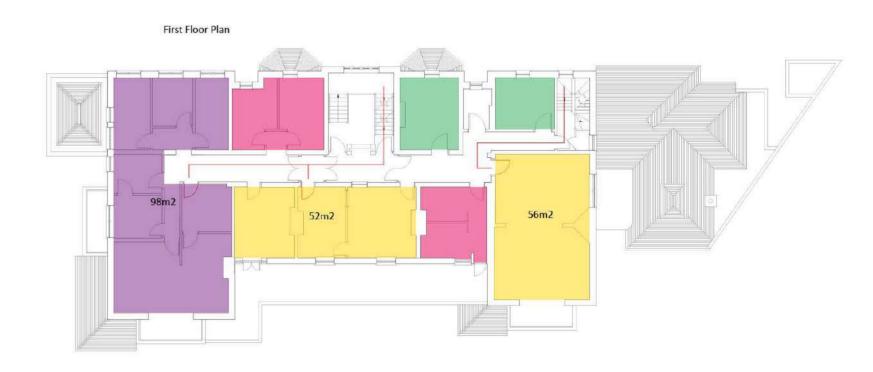


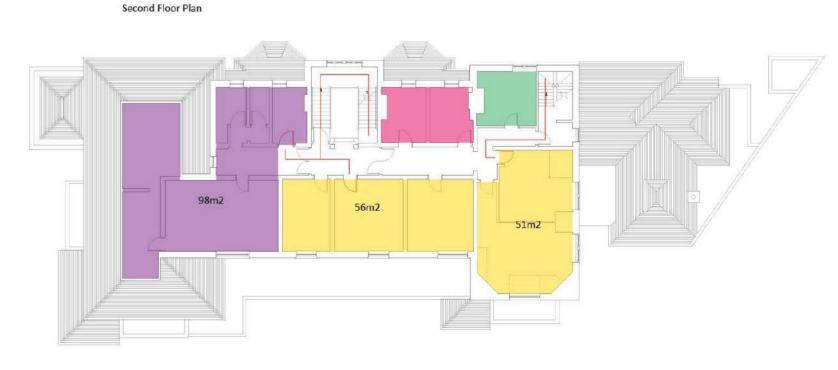


Fitting in 1, 2 and 3 Bedroom Apartments





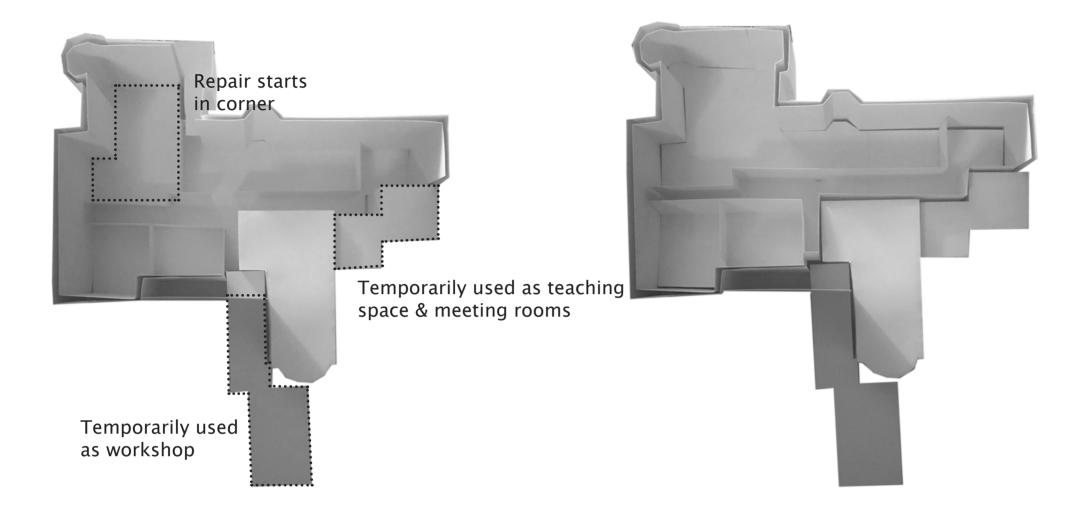




1:100

Phase One

Residents move into lower ground and ground floor. Requirement to renovate upper two floors in contract – cheaper houses.



Lower Ground Floor



Ground Floor



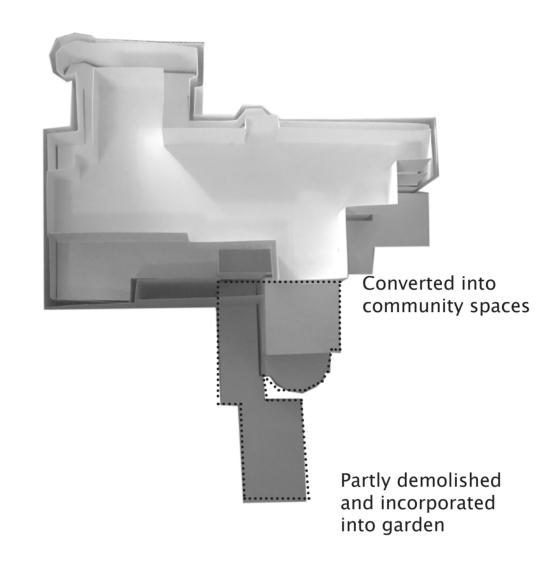
40

First Floor

Second Floor

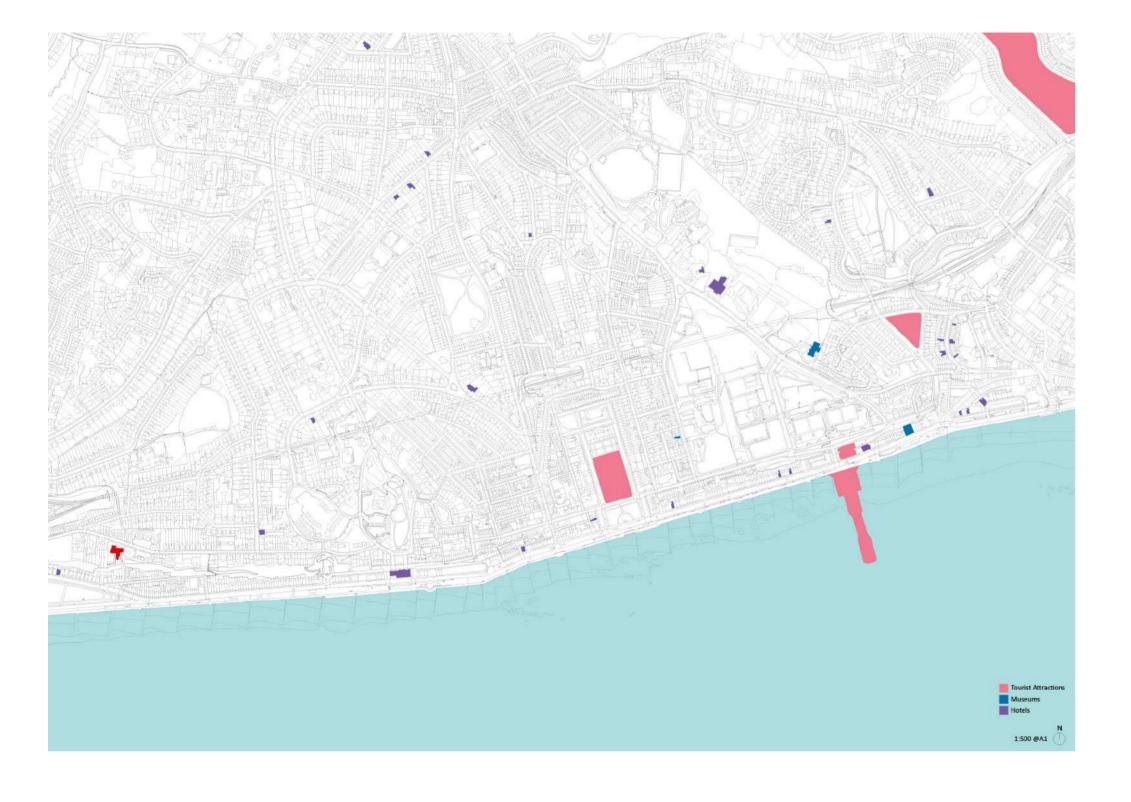
Phase Three

Extensions demolished.



Wider Strategy

Tourism in Hastings



In 2019 there was an estimated 515,000 overnight tourism trips made to Hastings.

An estimated £288.3 million was spent by day and overnight visitors in 2019.

There were around 3.8 million day visitors to Hastings in 2019.

Different Types of Hotels in Hastings

Premier Inn





Bannatyne Spa Hotel





Alexander's Hastings



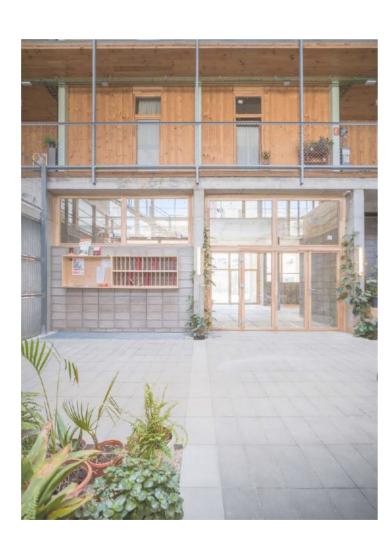


La Borda by Lacol



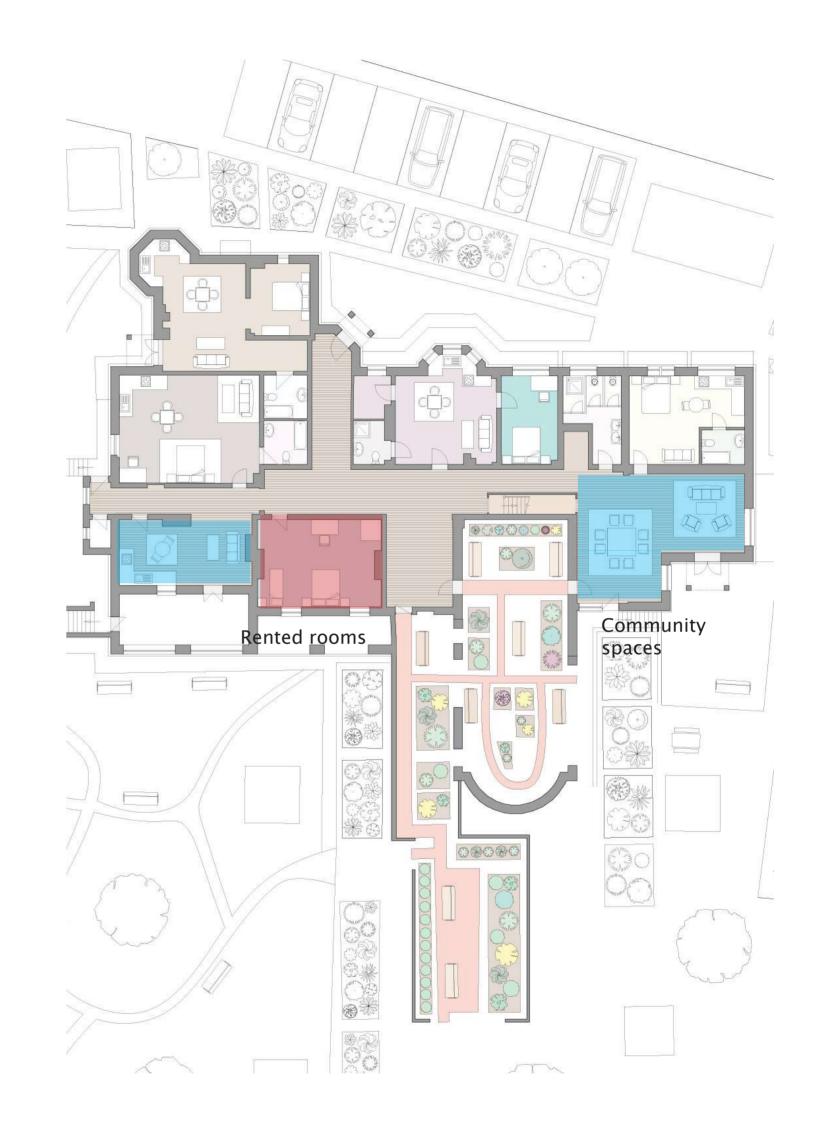






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Community space



Rented Hotel Rooms

Rented rooms ——Profit ——Tools and ——Repairs ——Option to purchase rooms ——Profit ——Tools and ——Repairs materials

RDV Decorating & Property Maintenance

Internal and External Decorating 26 Muirfield Rise, St Leonards-on-Sea East Sussex TN38 0XL Tel: 01424 258887 or 07999 483748 ▶ Website
▶ Contact

Creative Decorating

Domestic and Commercial Decorator 106 Hughenden Road, Hastings East Sussex TN34 3TA Tel: 01424 713431 or 07913 712618 ▶ Website ▶ Contact

K J Anderson

Painting & Decorating 7 Neilson Court, Amherst Close Hastings, East Sussex TN34 1TZ Tel: 01424 446972

MPB Painting & Decorating

Domestic & Commercial 8A Chiltern Drive, Hastings East Sussex TN34 3PZ Tel: 07594 709778

Croft Glass

Windows, Doors & Conservatories 92-98 Beaconsfield Road, Hastings, East Sussex TN34 3TN Tel: 01424 436776 ▶ Website

WindowTek

Refurbishment, repair & Supply Unit 51 Beachways, 409-411 Bexhill Road St Leonards on Sea, East Sussex TN38 8AR Tel: 01424 431 422

Emted Carpentry

Loft Conversions and All Carpentry 176 Elphinstone Road, Hastings East Sussex TN34 2BN Tel: 07581 196740 ▶ Website ▶ Contact

Ray Bowles Carpentry

Carpentery 55 Birch Way, Hastings, East Sussex TN34 2JY

Tel: 01424 839220

J Dicker Carpentry & Joinery

All Types Of Carpentry & Joinery 2 Redlays Cottages, Cottage Lane, Hastings, East Sussex TN35 4RR Tel: 07941 415346

Bentley & Hall

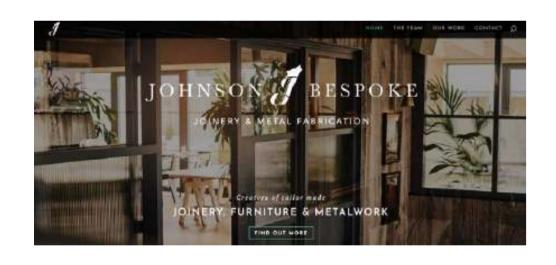
The Complete Home Furnisher 21 South Terrace, Hastings East sussex Tel: 01424 436917

Random Upholstery

Reupholstery and Furniture Repair 9 Ledsham Way, St Leonards on Sea East Sussex TN37 7LG Tel: 01424 7559333

Alan Kent

Painter working with marble and wood 16 (1/2) George Street Old Town Hastings, East Sussex TN34 3EG Tel: 01424 439860 ▶ Website ▶ Contact









The Pipi Dress





Old Wood Works



Natali Stewart

Natali Stewart is experienced feltmaker, colorist and yarn dyer based in East Sussex.

Natali Stewart is experienced feltmaker, colorist and yarn dyer based in East Sussex. She works with finest wool and silk materials. Hand felted items are exhibited through the Sussex Guild shop and venues. She creates one of a kind wearable items such as scarves, wraps and snoods. Also makes felted handbags which are more of interior design,

or statement pieces. Member of the Sussex Guild since 2009.





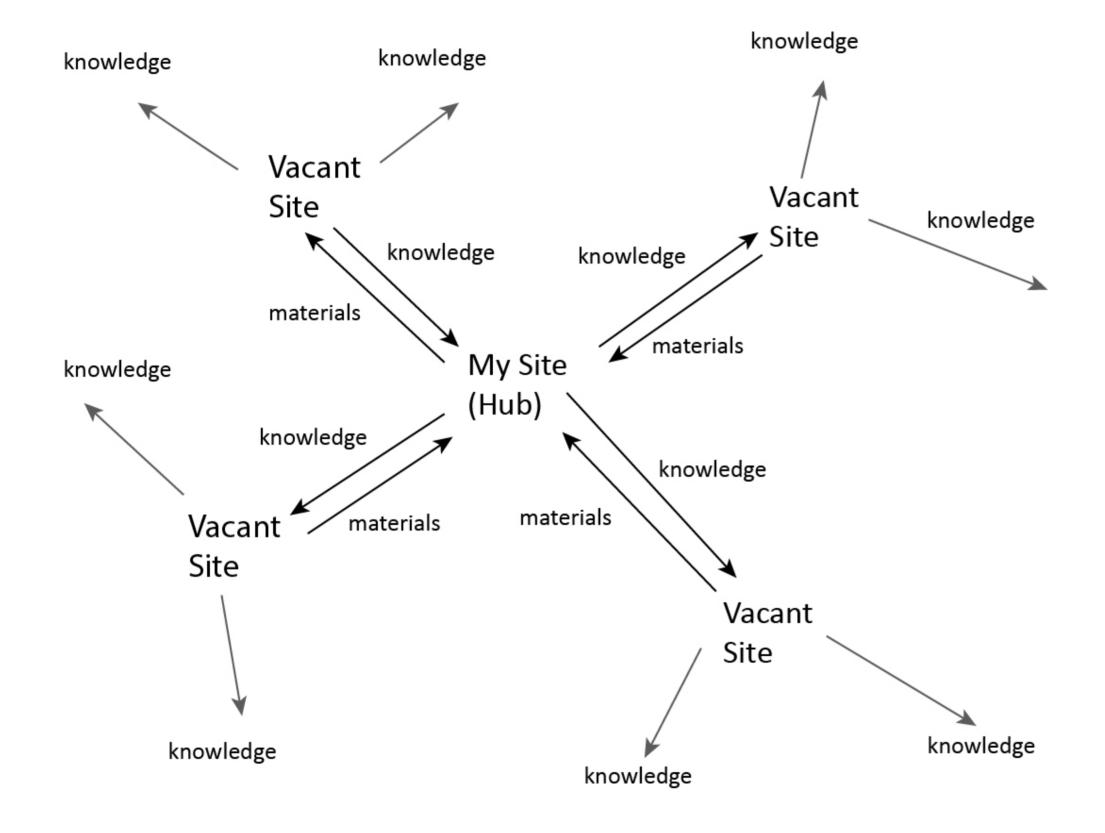
Old Wood Works

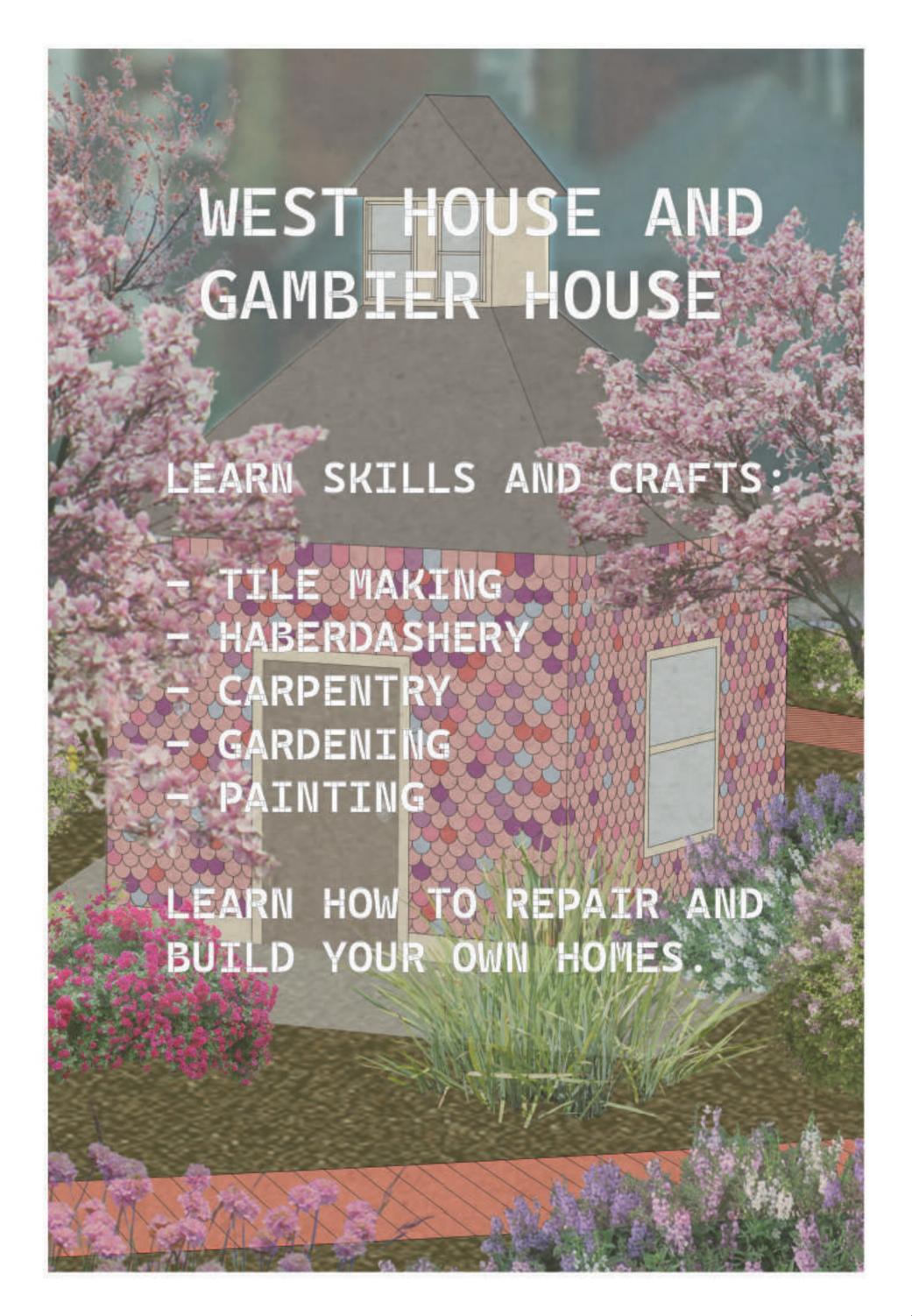
Anything made than reclaimed timb Open today until I7:00











Design Development

Craft Garden Plans Garden Pavilion Interior Spaces

Craft

Present for Hastings – Socks in a Box



Brief one was to create a present for Hastings with the prior knowledge of the area that we had, I created a community group called socks in a box which teaches crafts to the community.







Repairing With Colourful Tiles



Crotchet Rug to Repair Interiors



Matching Colour of Existing Tiles





Repairing With Colourful Tiles



WORKSHOP CRAFTS

BRICKMAKING

ing most building insterials was to more than brick-sized actually because make them your elf. Bricks were made, earth shrinks as it dries), placed on planks

Finding the right brick earth is not as

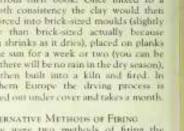
simple as it sounds. Bracks are not made of pure clay but of a judicious mixture of clay and sand, and other grades of earth. The bricks. Both involved building a clamp of

singing heartily in they did so and took a with well-dried wood and set alight. It was

EXPERIENCE OF MAKING BRICKS leaf from their book. Once mixed to a smooth consistency the clay would then be forced into brick-sized moulds (slightly quite simply, by finding a suitable brick. In the sun for a week or two (you can be earth, moulding this into brick shapes and sure there will be no min in the dry season), then air and sun-drying them. Finally the and then built into a kiln and fired. In bricks had to be fired, using either dry cirried out under cover and takes a month.

only way you can test a sample of earth is to bricks, but in the first the brick piles criss-mould it and fire it. Even a test in a very hor crossed so as to leave spaces in between oven is better than nothing. Pure clay will them. Cavities (fireplaces) were also left at crack in the firing, whereas a too sands mixing ground level along the windward side of the the right earth is a matter of experience.

First, the earth has to be thoroughly places (which were no more than a yard puddled, which, in Africa, was an easy and even musical matter. I watched half a dozen Africans trample it with their bare feet the burning. Next, the fireplaces were filled

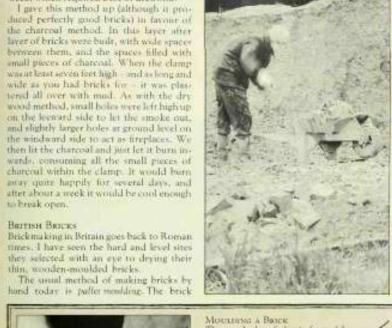


to break open. Brickmaking in Britain goes back to Roman times. I have seen the hard and level sites they selected with an eye to drying their thin, wooden-moulded bricks. The usual method of making bricks by



necessary to keep these fires burning for a

week, which required a lot of firewood



BRICKMARING

sanded mould and the excess clay ex-off with a wire how (right). The brie

WORKSHOP CRAFTS



maker prepares his work bench by nailing sufficient bricks are made, a better-off to it a mock board on which there is a raised transports them to a drying platform called abok which forms the rog or recess in the a back. Drying can take as long as six weeks, brick and over which the mould is placed. depending on the weather, although such During the hoard, and the mould, with sund, he rolls out a lump of clay to form a recompular clot or surp of clay which is then the rolls of the board, and the mould recompular clot or surp of clay which is then the rolls of t pressed into the mould, ensuring that every this process, the brickmaker wets the mould creace is filled. The surface of the clay is rather than sanding it, and the mould is then leveled with a wire box or a make, placed directly on the bench without a which is just a damp stick and the mould is stock. Since a slop-moulded brick is wetter, then turned out on to a pullet board. When it requires more drying time before firing



WORKSHOP CRAFTS

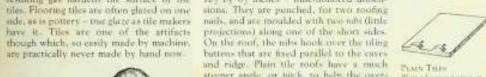
TILE MAKING

OM The same materials as handThere are many ways to fix tiles to form a made bricks and made in much the same way. Tiles, though, are otherwise, is attached in tiers. The individual tiles are laid alternately convex and and different parts of the world have different concave. In this way, tain water runs from ent patterns. Those beautiful pantile roofs of Italy and the South of France are curved to exactly the shape of the thigh of some Roman tile maker centuries ago. The tiles were made flat and to the right size, then folded over the thigh to form a curve.

Some the tiles were made flat and to the right size, then folded over the thigh to form a curve.

in moulds and the tiles, after air-drying, are fired in the same way as bricks. Tiles can also be salt-glazed with the kiln at a very high temperature salt is thrown in and the resulting gas hardens the surface of the tiles. Flooring tiles are often glated on one side, as is pottery—one glaze as tile makers have a fire tiles. They are proceed to the stifferts of the stories and are moulded, for two roofing notices. They are proceed with two mid limbs ones of the attifects. have it. Tiles are one of the artifacts projections) along one of the short sides though which, so easily made by machine. On the most, the nibs hook over the tiling

Nowadays, tile clay is shaped and pressed design makes it possible to have the com-



steeper angle, or puch, to help the over-lapping tiles shed rain water.

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The red areas on the drawings show the parts of the facade which have broken tiles that need replacing. The following pages will teach you how to make these tiles.



North Gambier House



South Gambier House



West Gambier House

The red areas on the drawings show the parts of the facade which could be improved by covering them with new tiles. The following pages will teach you how to make these tiles.



North West House



South West House



East West House



West West House

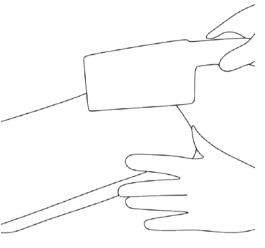
How to Make Ceramic Tiles

Step One: Rolling Clay You will need:

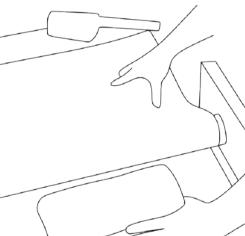
- Clay
- Mallet
- Canvas sheets
- Slab roller



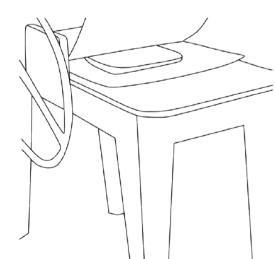
Cut clay block into three equal sections. Put a sheet of canvas onto the slab roller and transfer clay onto it.



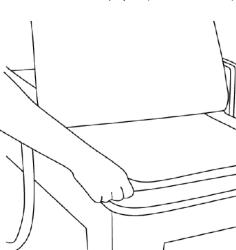
Pound the edge of the clay that will be fed into the roller.



Cover the roller with a sheet of canvas so the clay is sandwiched between the two sheets.



Roll the clay, turning it 90 degrees each time you roll.

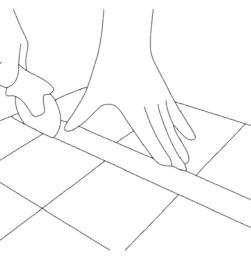


Roll until the clay is at your desired thickness. Transfer to a sheet of drywall and leave until it is bendable but not pliable like wet clay.

How to Make Ceramic Tiles

Step Two: Cutting Clay Into Tiles You will need:

- Clay
- Ruler
- Pizza cutter
- Wooden block in desired shape of tile

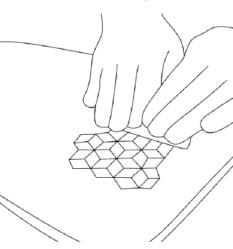


To cut rectangular or square tiles, measure out how large you want the tiles to be then using a ruler, cut the tiles with a pizza cutter.

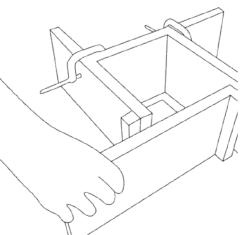


To make rounded tiles, place a wooden block onto the clay and cut around it.

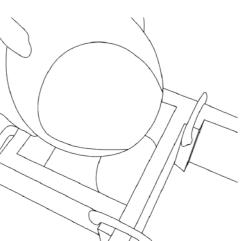




Make the master tile. This has to be the same size and shape that you want the tiles to be. To create patterns, different textures can be pressed into the clay.



Fix the tile onto acrylic glass using water. Place the boards around the tile and clamp them together. Use wet clay to seal the gaps. Apply a mold release agent to prevent the plaster from sticking.



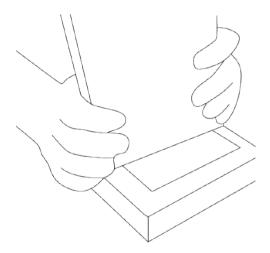
Pour the plaster into the mould, wait for it to dry and remove the master tile.



Press the clay into the mold.



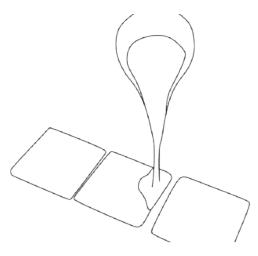
Cover with a wooden board and hit with a mallet to make the clay spread evenly.



Remove the excess clay from the mold. Wait for a few minutes and then release the tile from the mold. Leave to dry on a sheet of drywall.

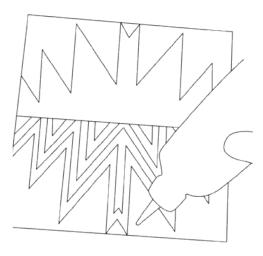
Step Three: Decorating and Firing

Option One: Pouring The Glaze

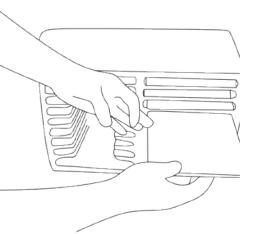


If you want a tile which is a single colour, pour the glaze directly onto the tile. Once dry to the touch, clean up the edges using a rubber scraper.

Option Two: Using Underglaze



To make more intricate designs use underglaze. This can be applied with a paintbrush or for finer lines and geometric shapes, use a squeezy bottle.



Stack the tiles and place them into the kiln.

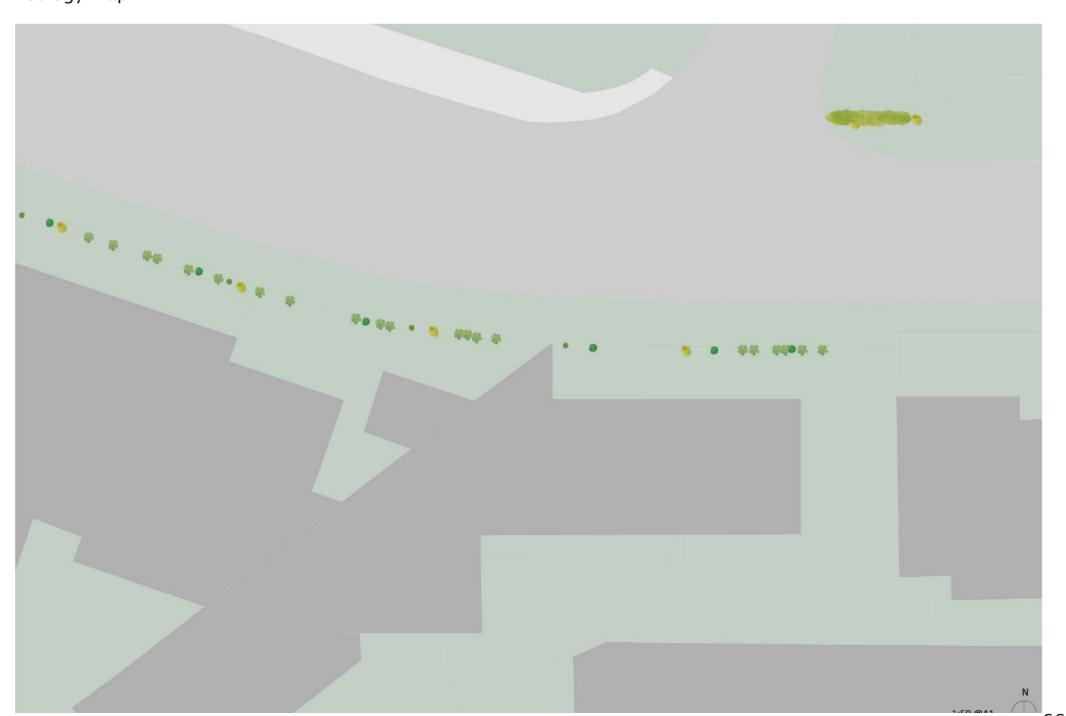


Garden

Existing Site Ecology



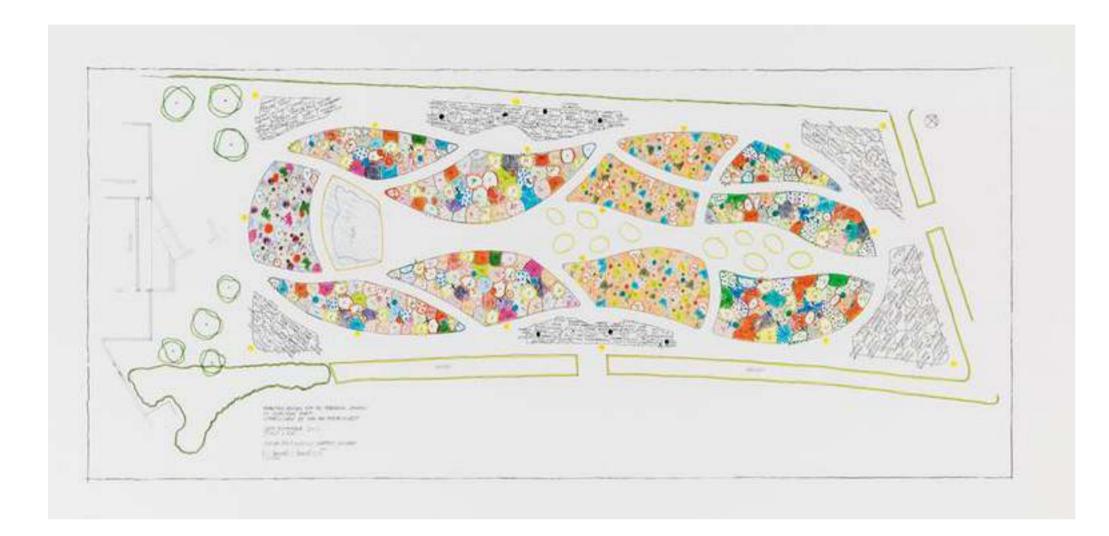
Ecology Map



Ecology Map



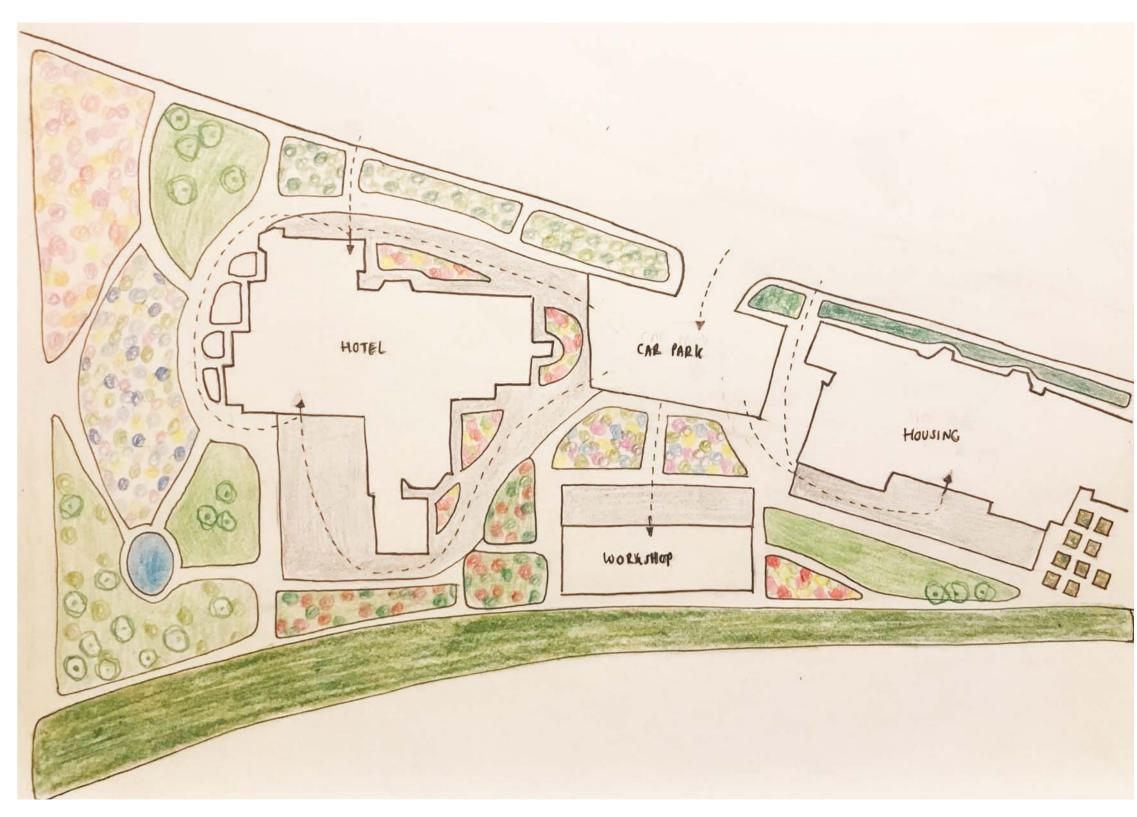
Piet Oudolf - Oudolf Field Initial Planting Design







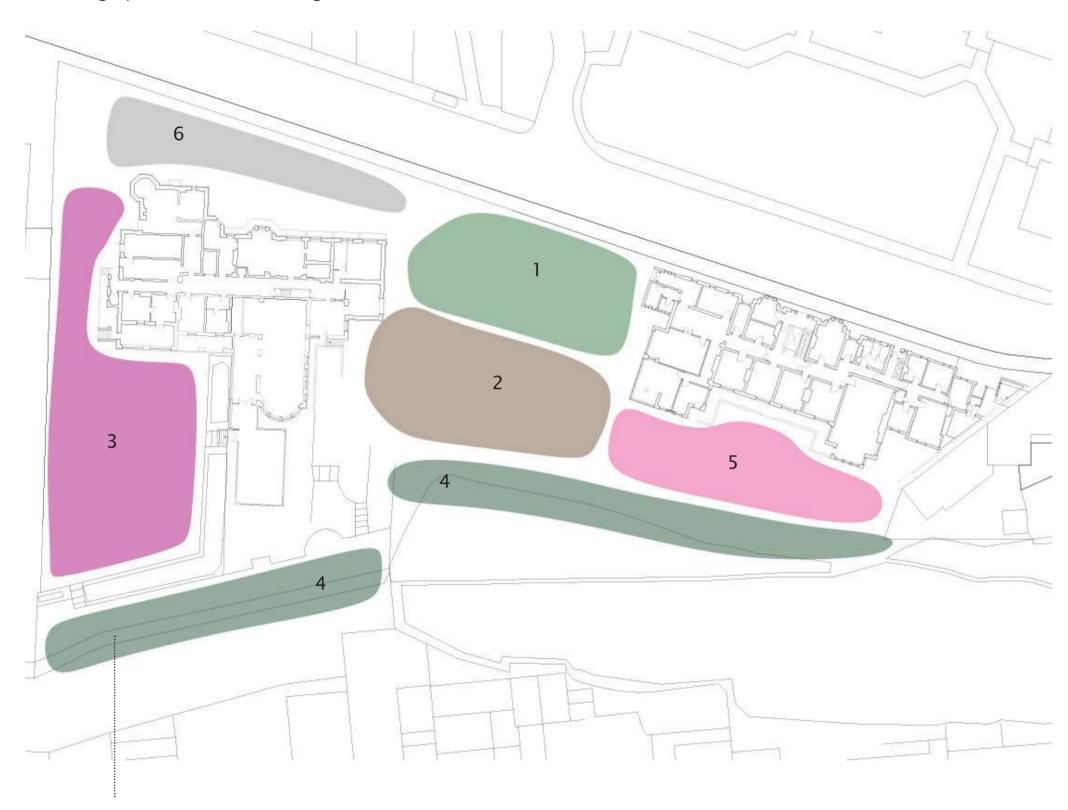




1 Social Zone

Garden Zones

- 2 Allotments
- 3 Quiet Wild flower Garden
- 4 Planting to Reduce Cliff Erosion
- 5 Formal Garden
- 6 Parking Spaces and Bike Storage





Planting to Prevent Cliff Frosion



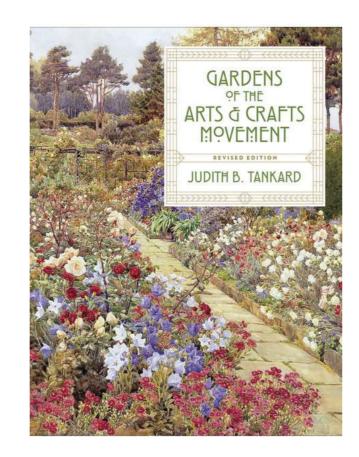




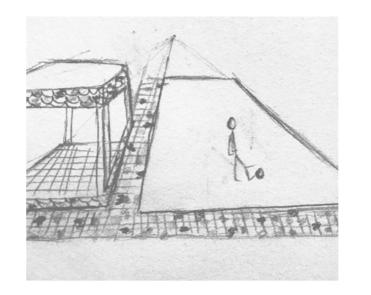


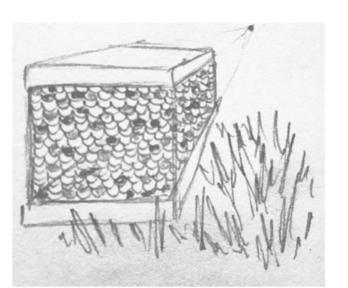


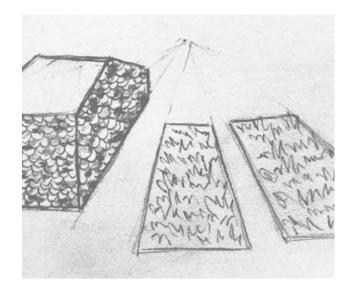


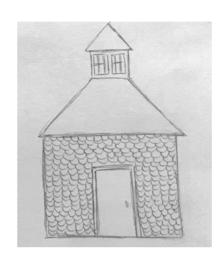






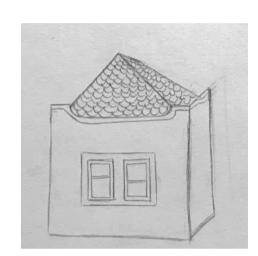


















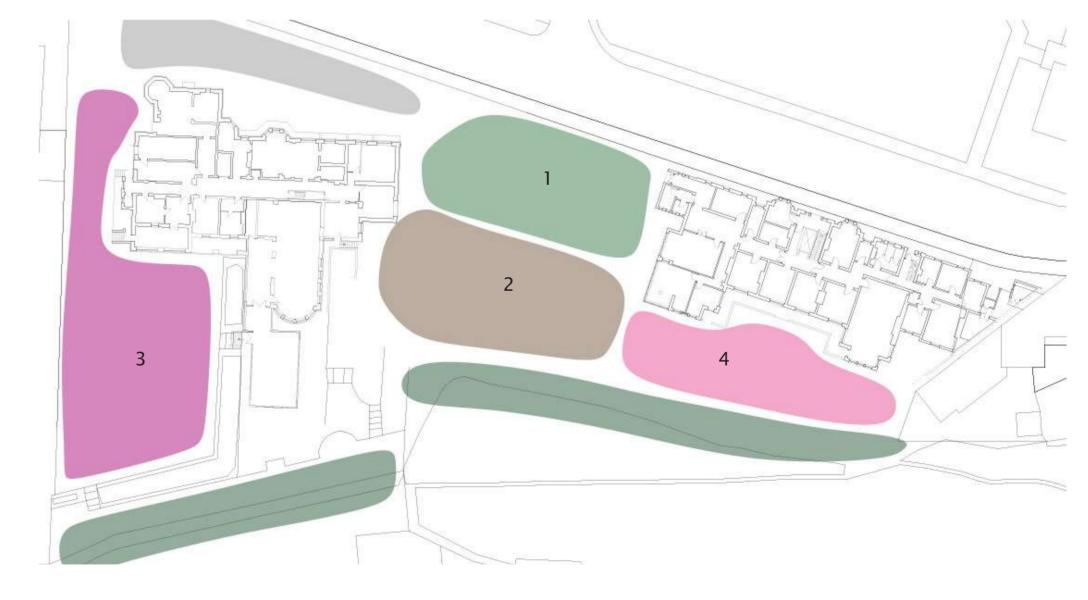


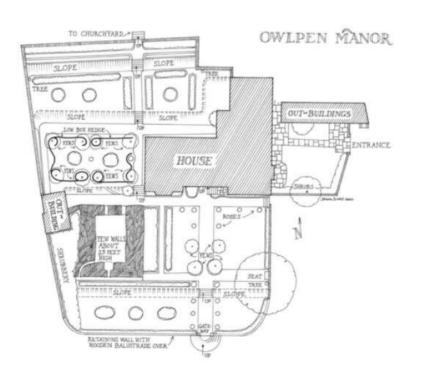


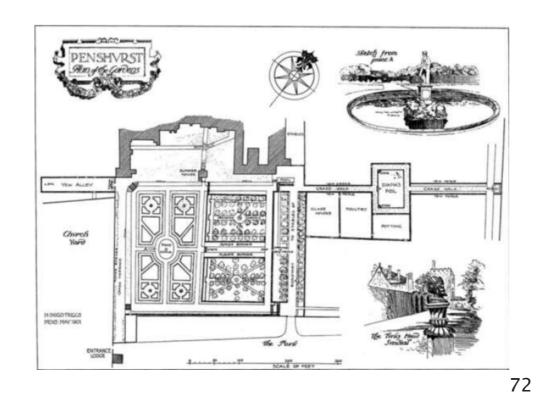




Colour Palettes of Different Zones







2





Pavilions

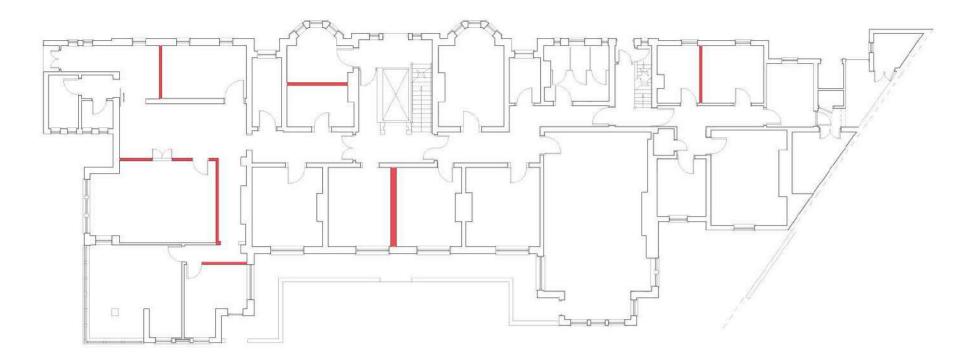


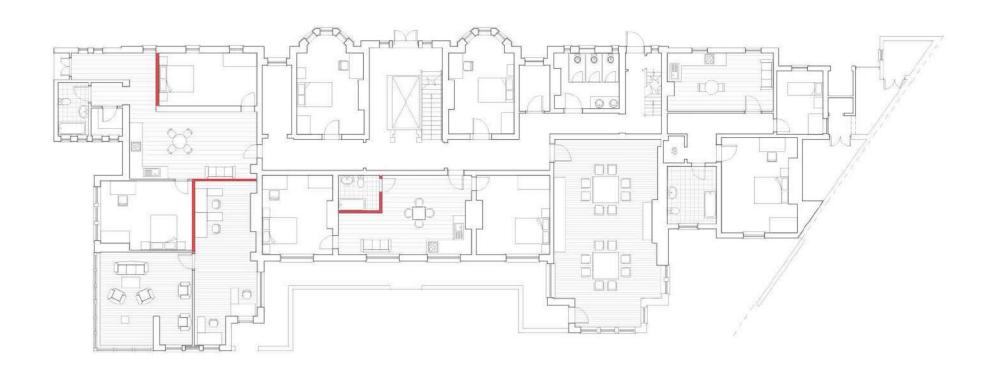


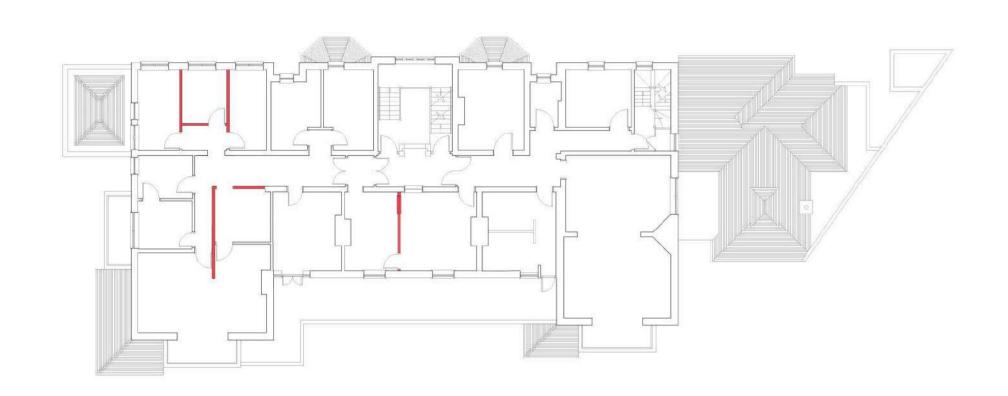
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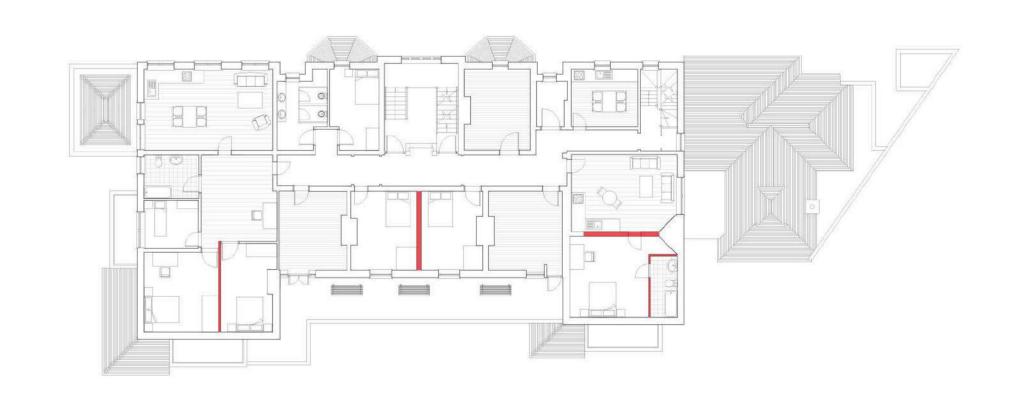
Plans

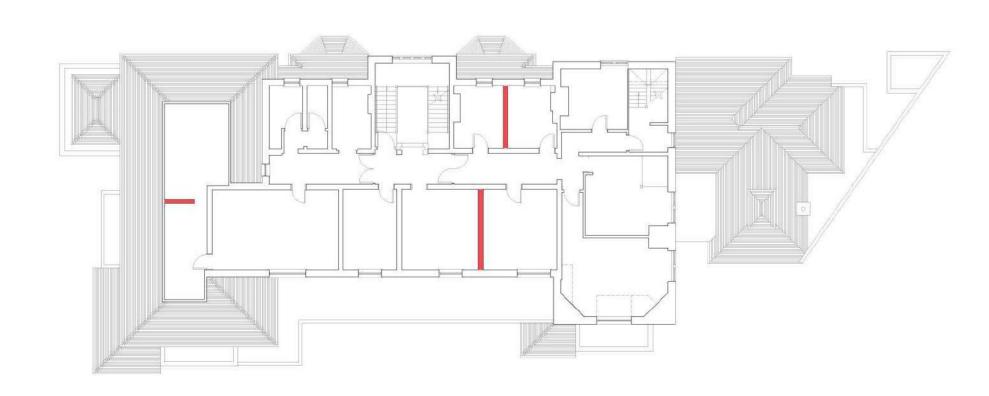
Gambier House Initial Plans

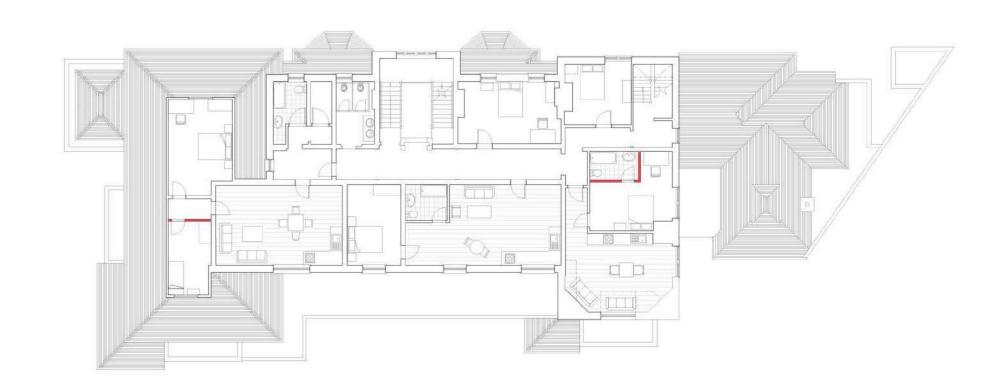






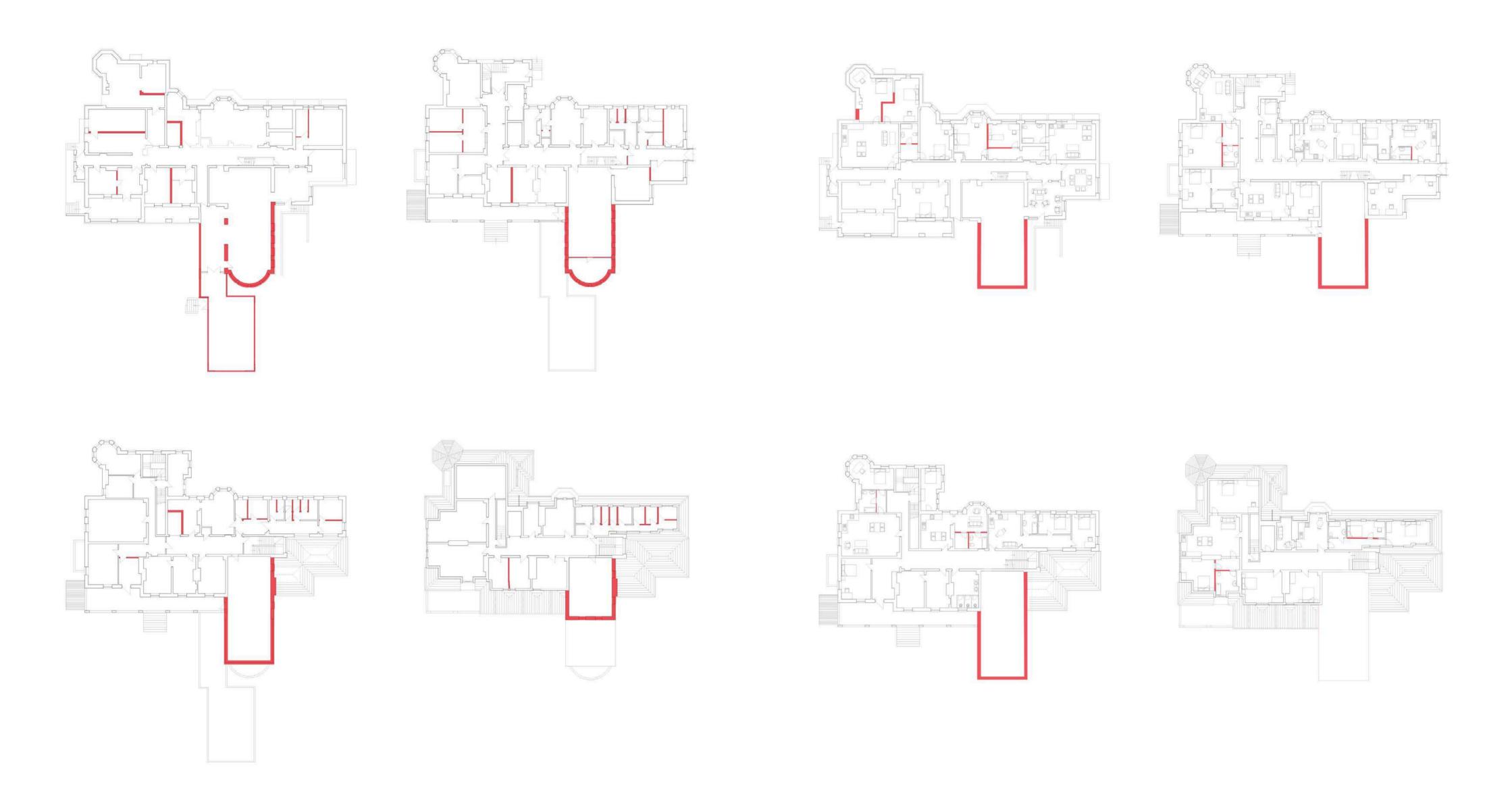






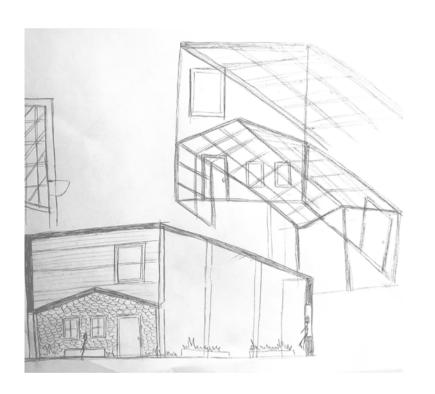
Red - demolished walls

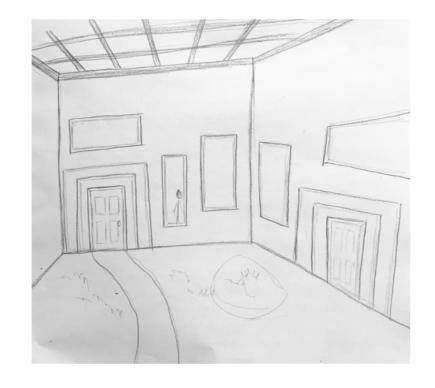
Red - new walls

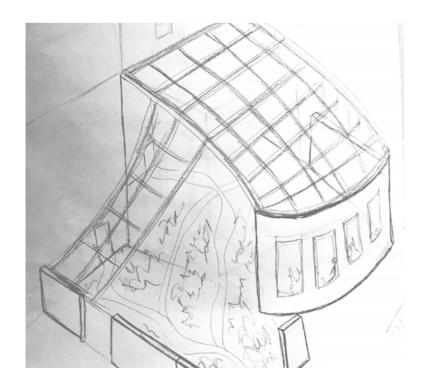


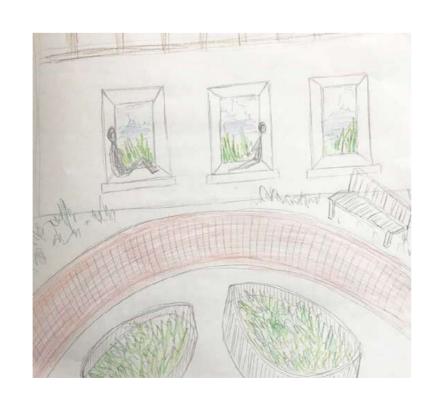
Red – demolished walls













Use crochet to cover walls and floors.

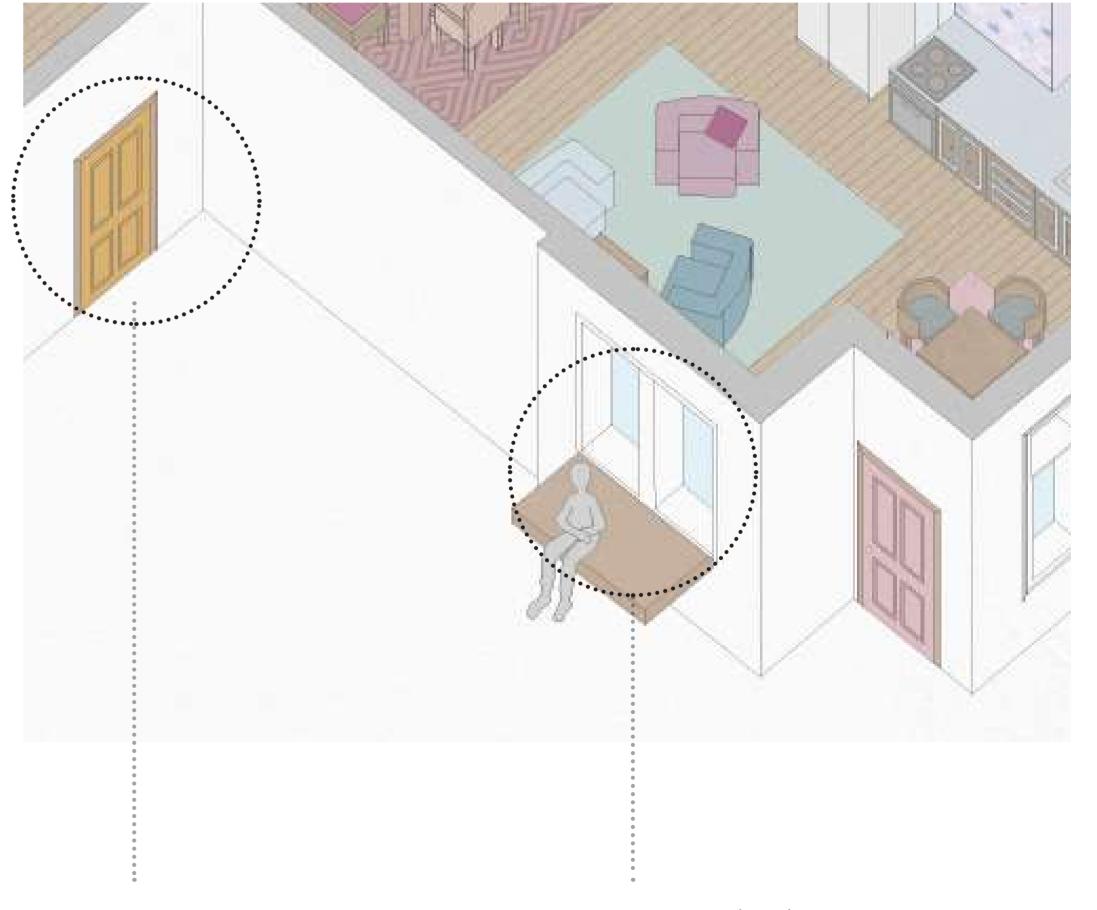
Paint over walls that are in good condition.





Use carpentry to build furniture.

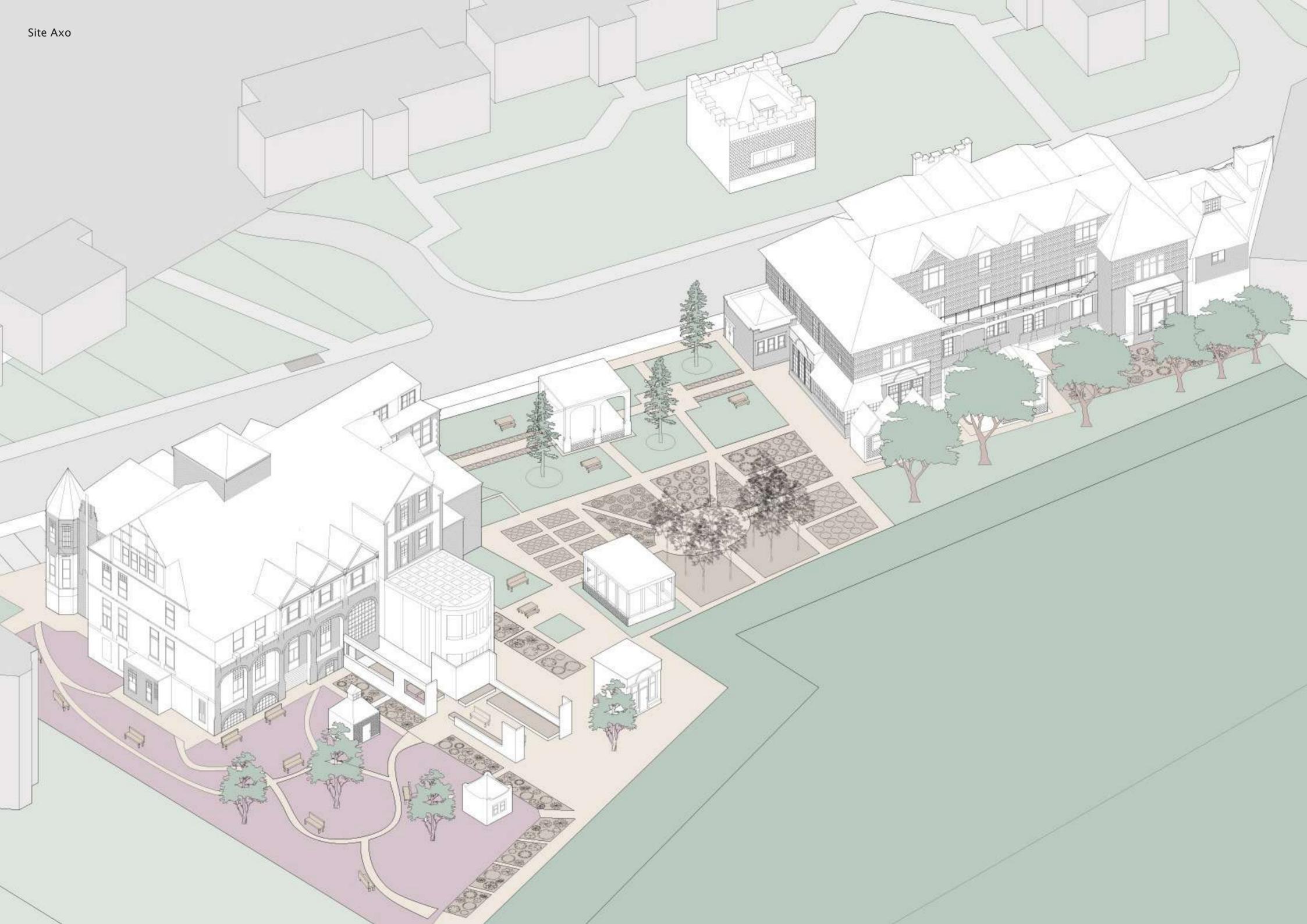
Use tiles to cover walls and furniture.

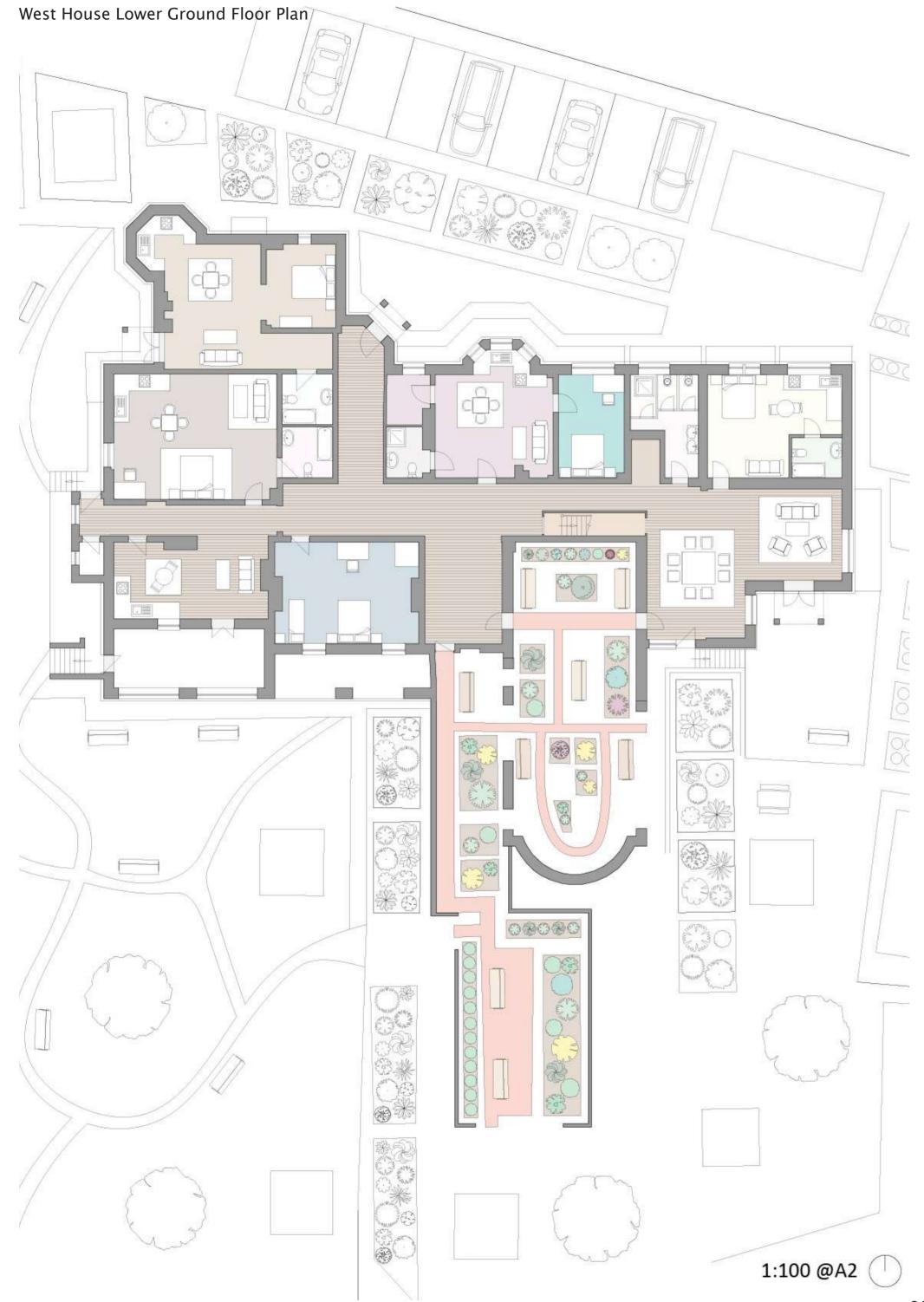


Add new entrances to façades.

Use carpentry to extend window sills.

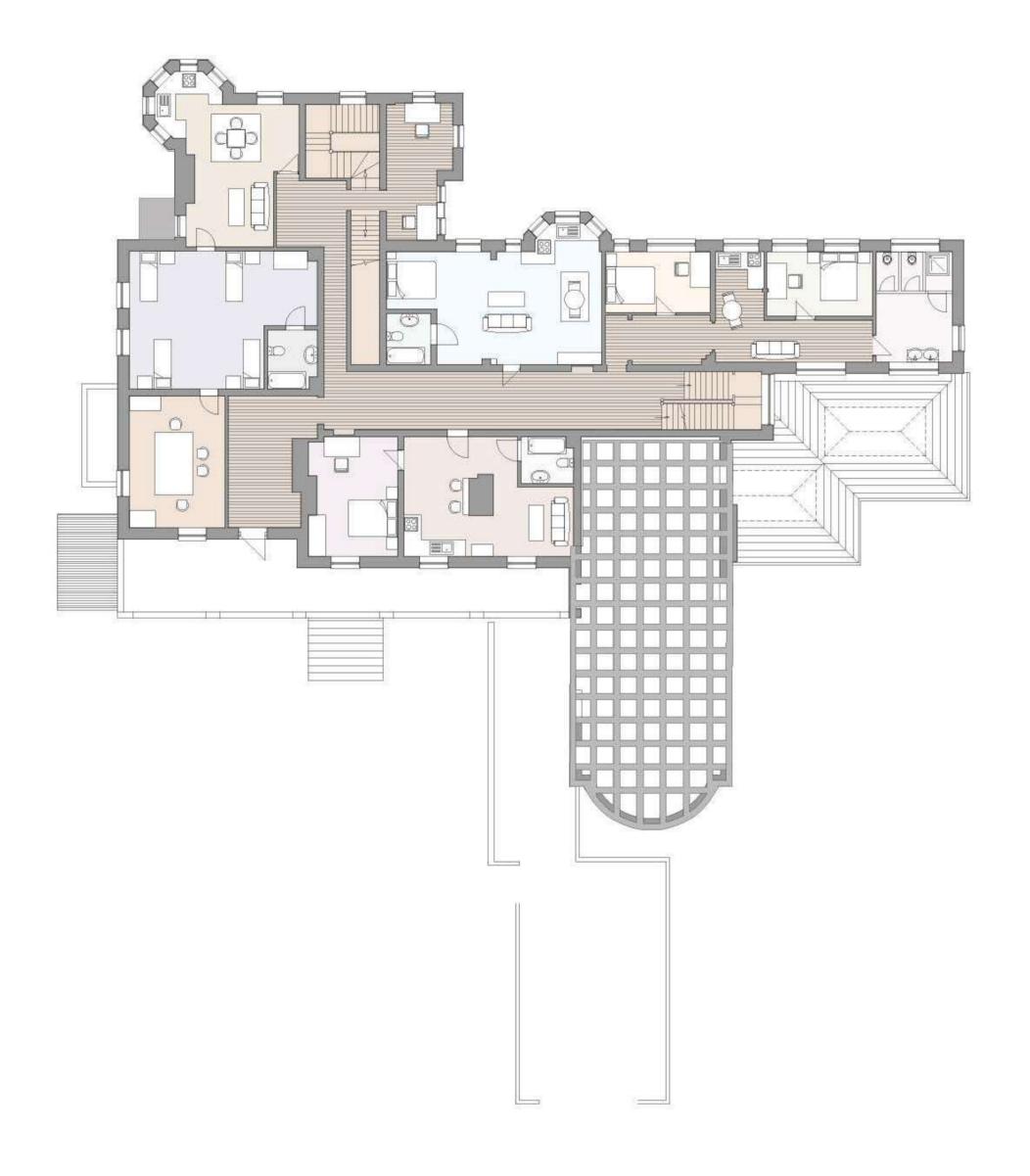


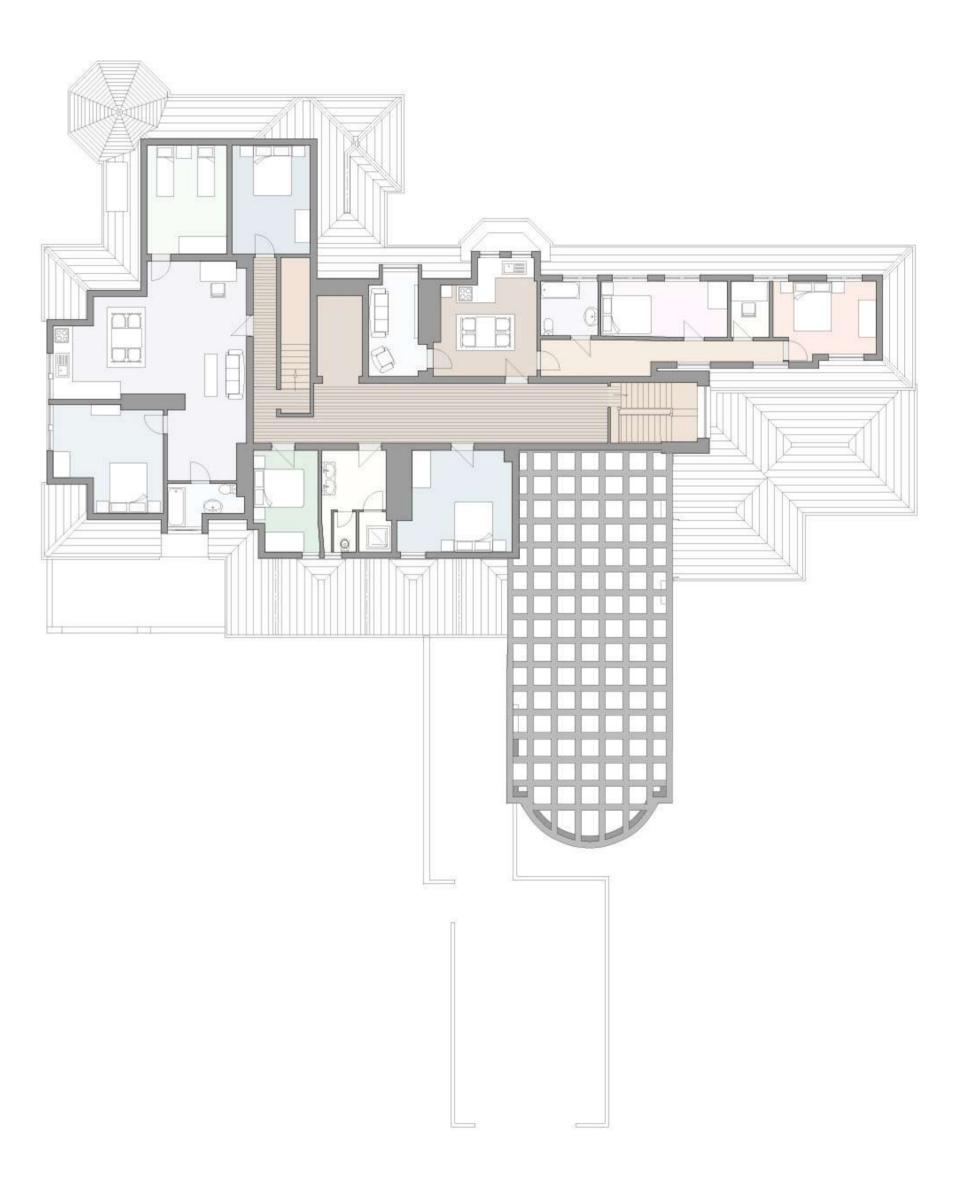






West House First Floor Plan West House Second Floor Plan





1:100 @A2

1:100 @A2















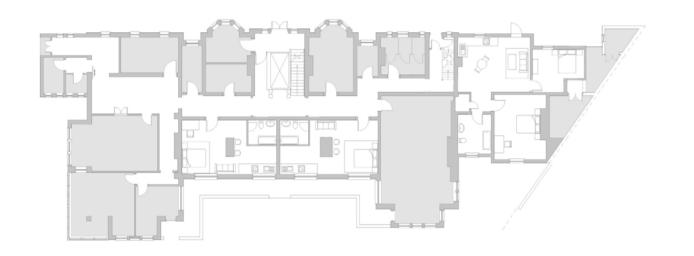
Gambier House Ground Floor Plan

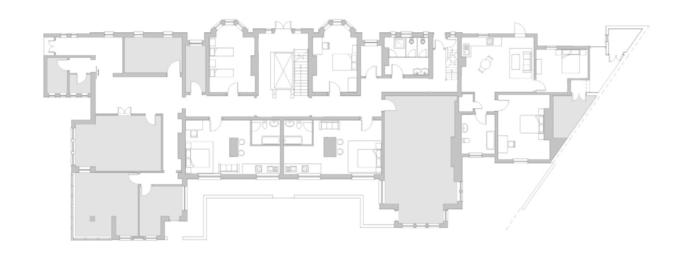


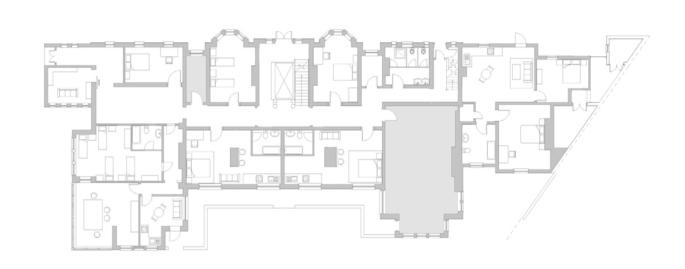


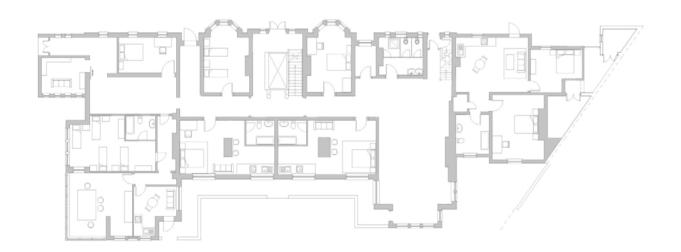
1:100 @A2



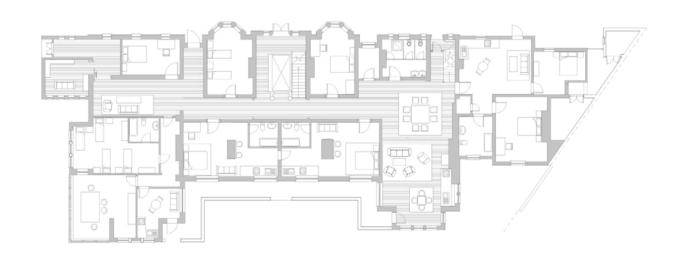




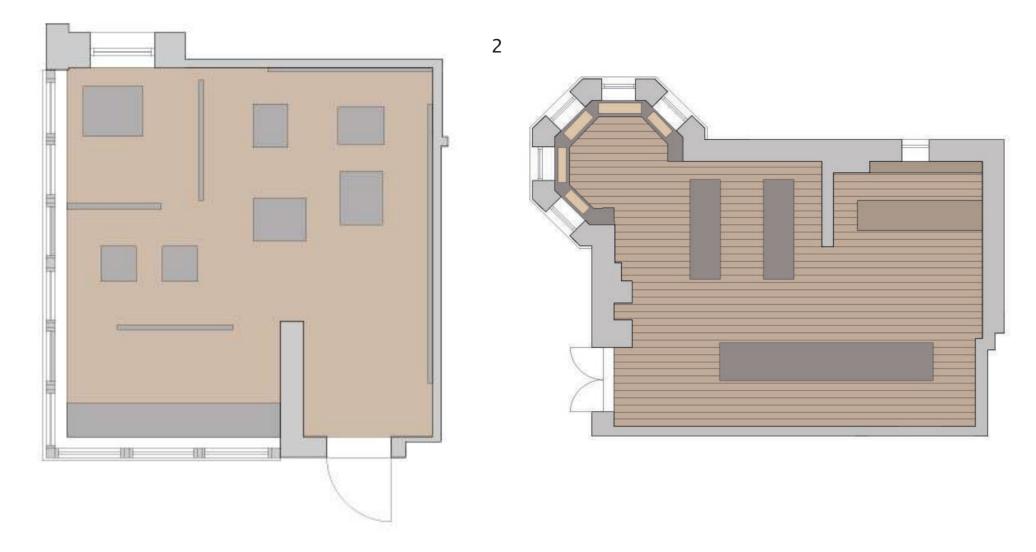


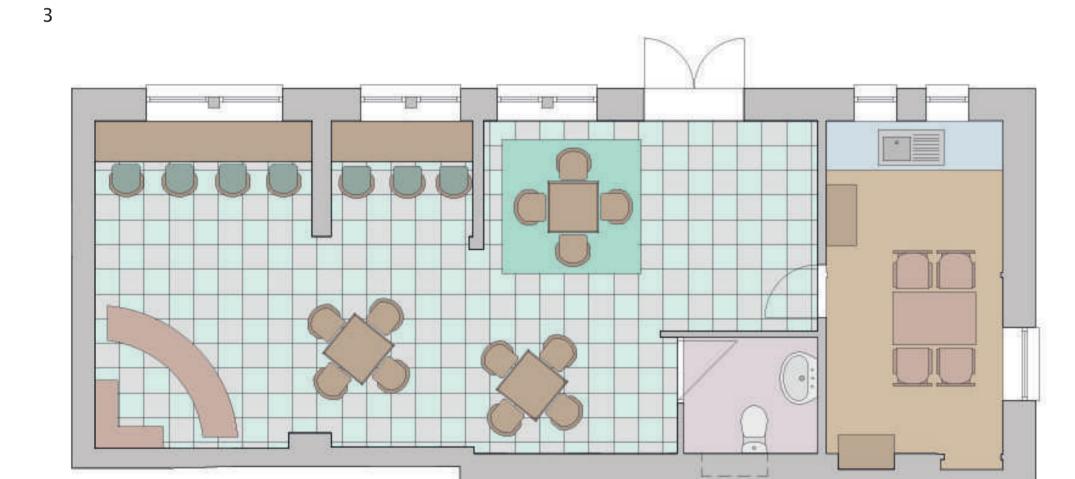






Alternative Programs Interior Axo











Interior Axo









Garden Pavillion













Street Elevation 1:20





