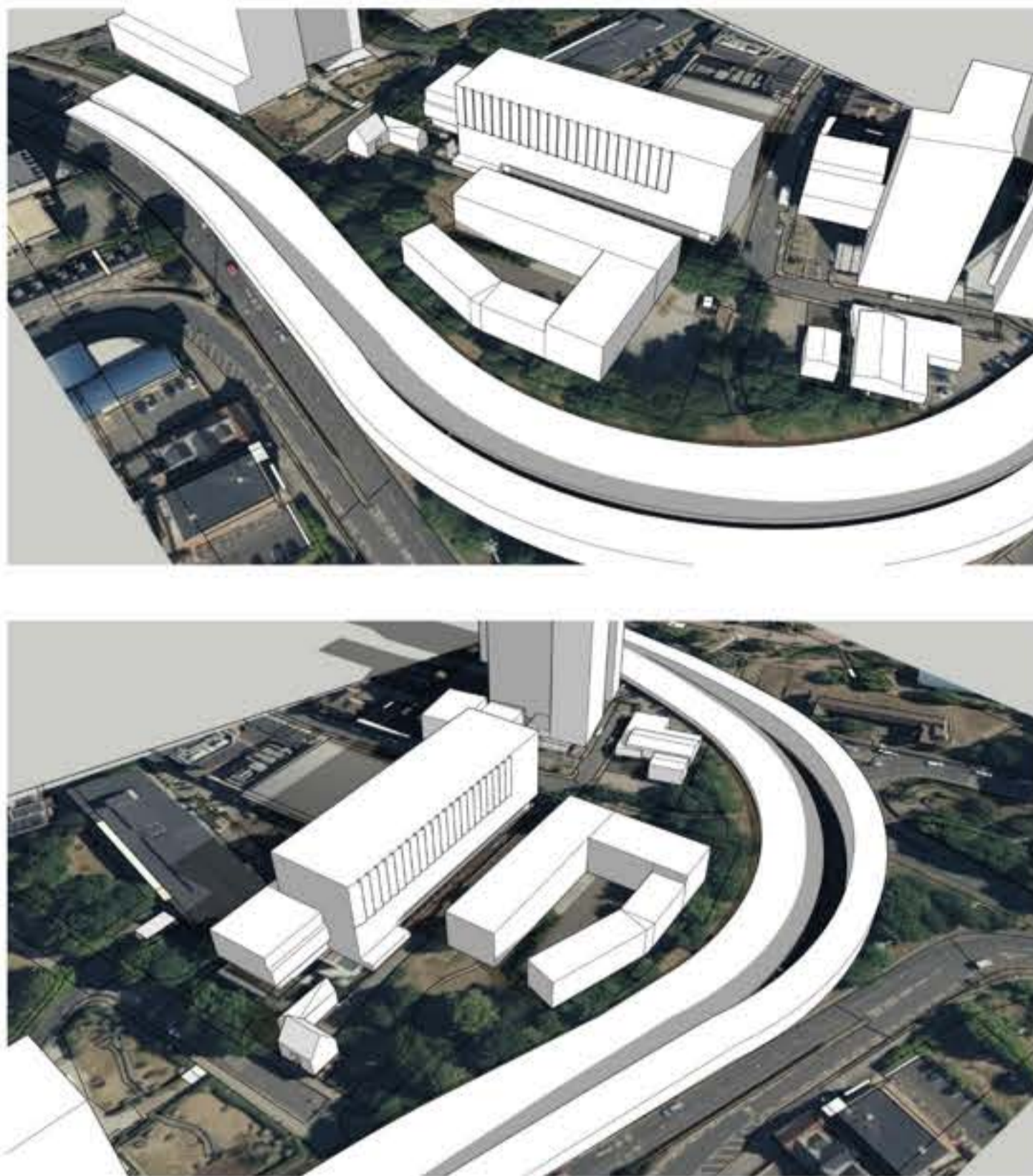
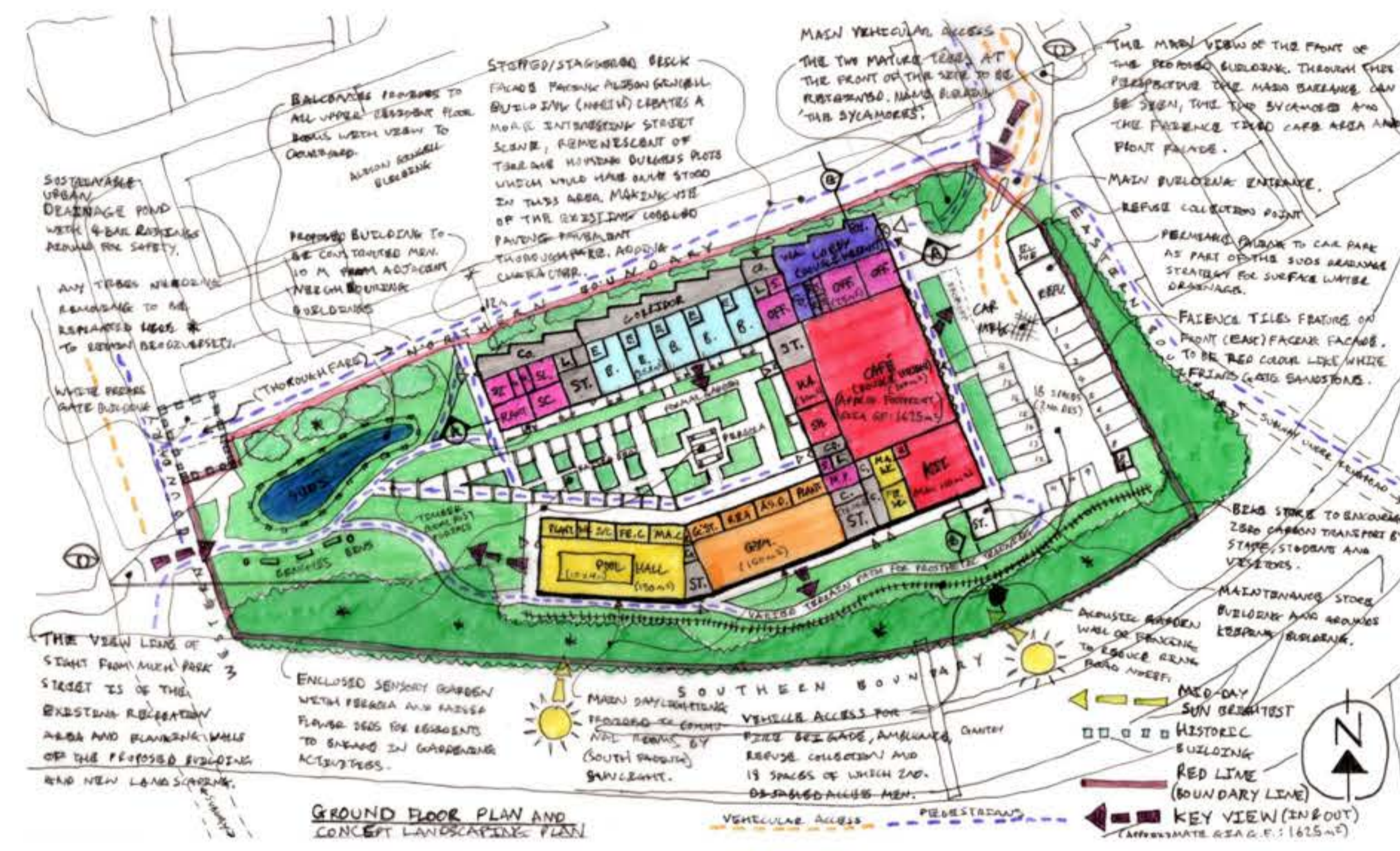


5.0 | DPA | S-1 | PREPARATION & BRIEFING | FEASIBILITY STUDY | SPATIAL REQUIREMENTS – MASSING CONCEPT LAYOUT 1

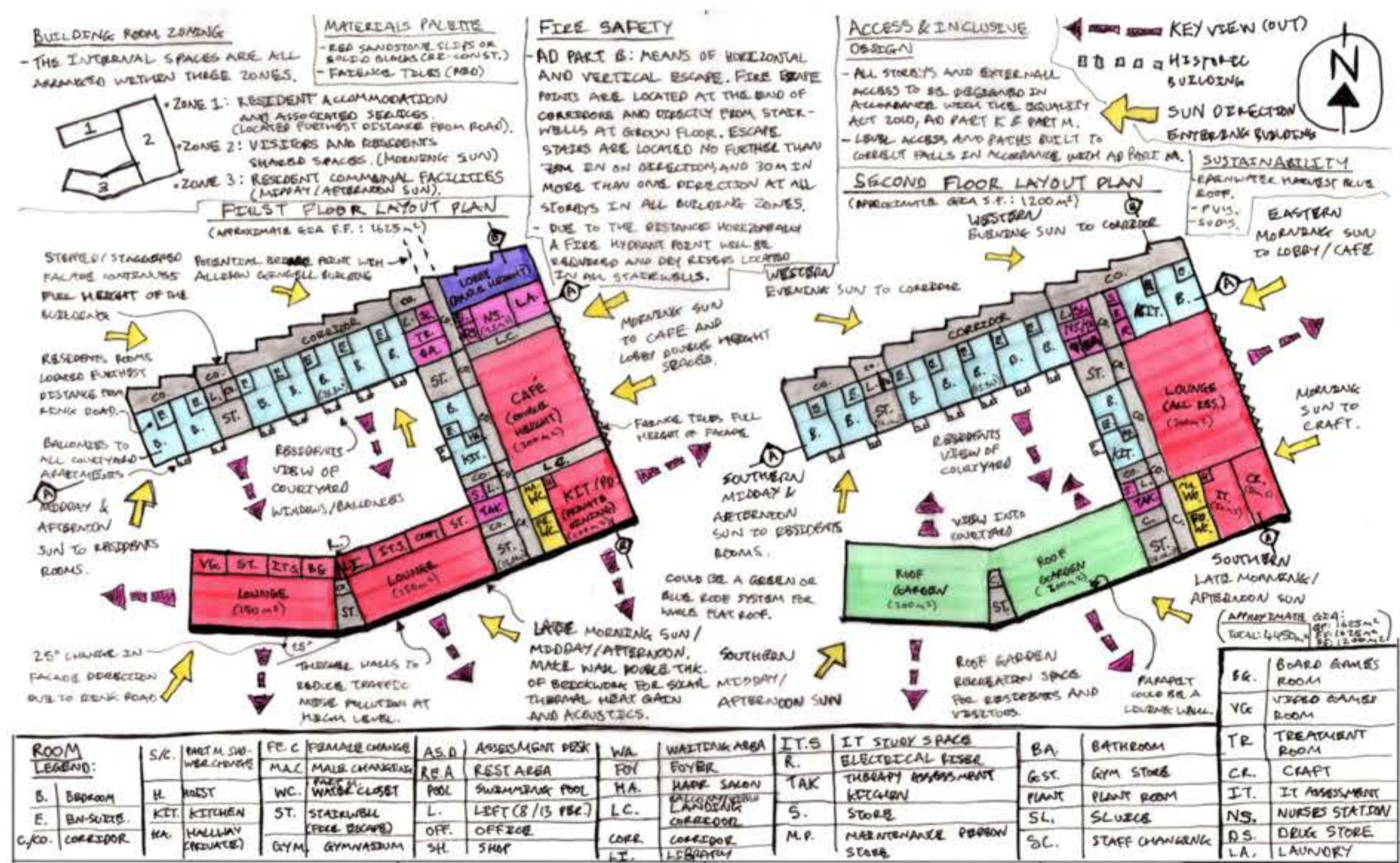
5.1 | SPATIAL REQUIREMENTS | MASSING CONCEPT LAYOUT 1 | THOUGHTS:
As can be seen from this massing model produced in Sketchup, the building does overshadow the courtyard area. However, this might be a bad thing in the heat of the summer months. The Southern wing of the building is kept to two storeys to allow natural light to the Northern wing, where the accommodation makes most sense to be positioned. The building helps to create a street scene on the Northern boundary adjacent the Alison Gingell building, making use of the feature cobbles throughfare feature of the existing site. The majority of the existing recreational area is left untouched, any trees which are taken up by the development could potentially be replanted in this area. A roof garden will also be a valuable feature of this concept. A simple functional form which would be more economical to build than layout 2.



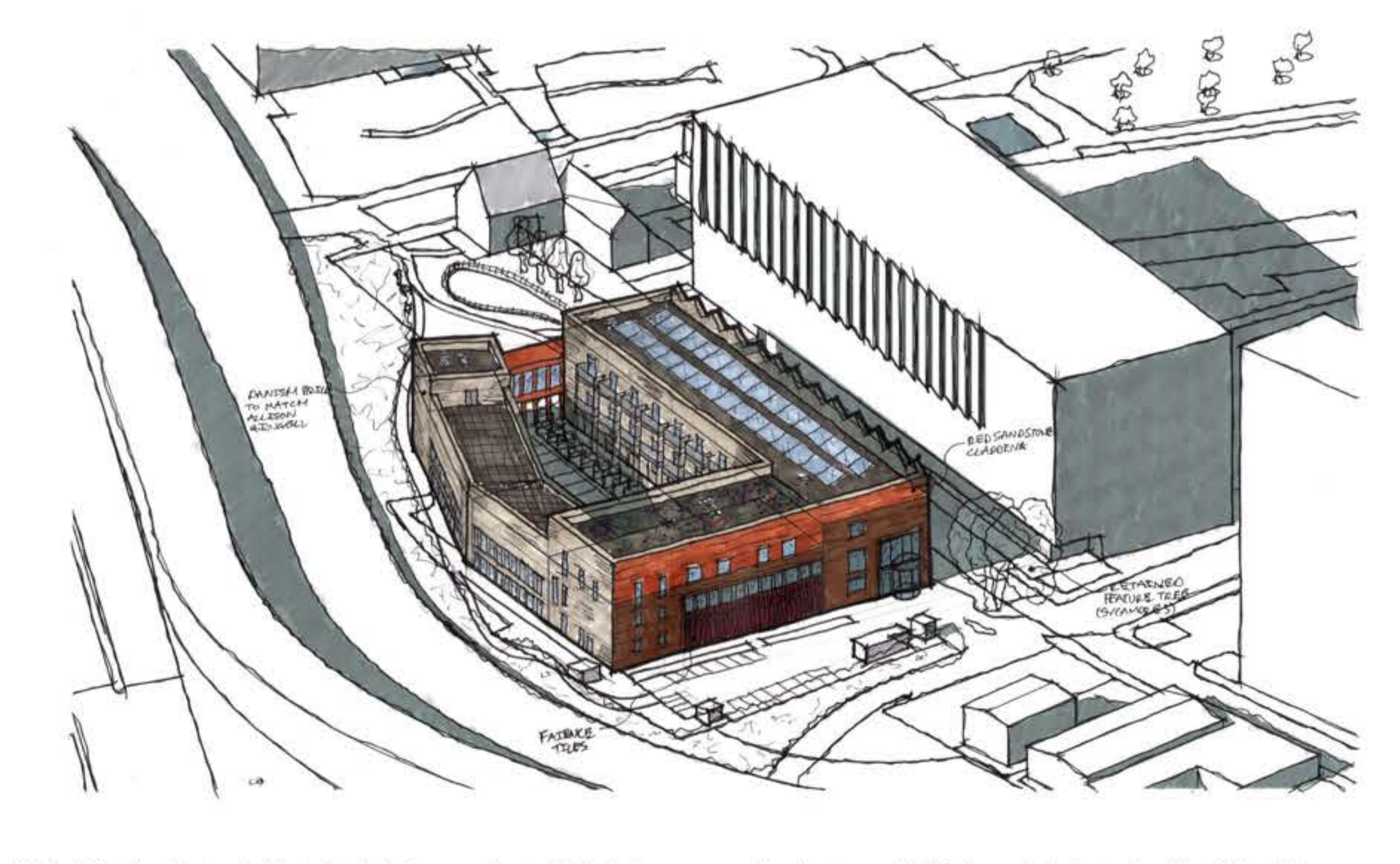
7.0 | DPA | S-2 | CONCEPT DESIGN | ARCHITECTURAL CONCEPT | LANDSCAPE DESIGN & GF SPATIAL LAYOUT PLAN



6.0 | DPA | S-2 | CONCEPT DESIGN | ARCHITECTURAL CONCEPT | FF & SF SPATIAL LAYOUT PLAN



8.0 | DPA | S-2 | CONCEPT DESIGN | ARCHITECTURAL CONCEPT | INDICATIVE 3D REPRESENTATION – ARTIST'S IMPRESSION



A Rehabilitation Centre dedicated to helping people establish their new normal and get on with life through dedicated residential and day rehabilitation services. For people with neurological conditions, stroke, spinal injuries, acquired brain injuries, orthopaedic and other complex trauma injuries.
Specialist Rehabilitation, STEPSRehabilitation ©, n.d.

9.0 | ARCHITECTURAL CONCEPT | PROPOSED ELEVATIONS:

Elevation Materials Key:

- BRICKWORK & BRICK SLIPS:**
Danish (non-standard metric) brickwork type D38 (Format HF) by Petersen Tegl or similar approved product, to match the Allison Gingell Coventry University building. To be provided in both full brick and brick slip where necessary for construction. Subject to approval of Local Authority.
- RED SANDSTONE CURTAIN WALLING:**
Red Sandstone curtain walling stone slip panels system by Gormley masonry services or similar approved product to No. 1 Poultry by James Stirling. To be of similar colour to the former Whitefriars Monastery, Gate and Coventry Cathedral. To blend in and take material cues from the heritage on the site. Subject to approval of Local Authority.
- FAIENCE TILE FEATURE WALL:**
A bespoke Faience tile design suitable to the antiquity heritage near by of the Whitefriars Monastery and Gate, similar to the Coventry Cathedral stain glass windows, contemporary design by local artist. To be produced by Darwen Terracotta & Faience or similar approved. Subject to approval of Local Authority.
- THRU COLOURED RENDER:**
Thru coloured render on cement particle board to create smooth face walls. Subject to approval of Local Authority.
- COPPER CLADDING:**
Copper standing seam metal cladding panel systems for roofing and roofing.
- STONE:**
Limestone colour cast stone slips on pattern (similar colour - cream) or solid reconstituted cast stone slabs and cladding. Subject to approval of Local Authority.



11.0 | ARCHITECTURAL CONCEPT | PROPOSED SITE AND LANDSCAPING DESIGN CONCEPT:

Site Plan Key:

- RED LINE - BOUNDARY LINE**
Existing boundary line - Registered Proprietor Title boundary line with HM Land Registry.
- EXISTING BUILDINGS - ORDNANCE SURVEY**
- PROPOSED FOOTPATHS**
Paving slabs to be laid at gradients no greater than 1:20 (1:40 cross fall) in accordance with The Building Regulations 2010 and the latest Approved Document Part M. Conservation style traditional Sandstone flagstones, rustic river surface in colour Heather or similar approved by Coventry City Council. Refer to materials schedule for sizes.
- PROPOSED PRIVATE CAR PARK**
Permeable block paved private drive with flush kerbs. Refer to materials schedule for type and colour of blocks to be approved by Coventry City Council. SUDS Drainage design in accordance with the appointed Civil Engineers design and specification.
- PUBLIC OPEN SPACE FOOTPATHS**
Washed, rounded, buff coloured gravel, 20mm gauge, 40mm depth or similar approved product by Coventry City Council.
- PROPOSED REFUSE STORAGE AND COLLECTION**
Allow for sufficient space to accommodate Euro bins required, supplied by the Coventry City Council, to meet all refuse and recycling needs of the new care home rehabilitation center.
- EXISTING TREES IN FEATURE LOCATIONS**
Existing trees in feature locations of specific interest present on the proposed site in accordance with the Arboricultural Impact Assessment and Tree Survey. To remain and be protected during construction works.
- EXISTING TREES**
Existing trees present on the proposed site in accordance with the Arboricultural Impact Assessment and Tree Survey.
- PROPOSED NEW TREES**
Proposed specimen deciduous trees to match existing trees on site to the approval of Coventry City Council.
- PROPOSED HEDGEROW & PLANTING**
Proposed planting of semi-evergreen dense forming hedgerow (Yew, Privet, Hawthorn) subject to the approval of Coventry City Council.
- PROPOSED SEASONAL FEATURE PLANTING**
Proposed seasonal planting to the approval of Coventry City Council.
- PROPOSED OUT BUILDINGS**
2.4m high, 215mm thick asbestos board facing brick wall with red sandstone colour cast stone coping finish where indicated. Two courses of combed engineering bricks to act as DPC for wall at ground level. Green solum flat roof to the approval of Coventry City Council.
- PROPOSED 1.0m FOUR BAR RAILINGS**
Proposed 1.0m high four bar metal railings where indicated. Colour light grey to the approval of Coventry City Council.
- PROPOSED ACOUSTIC WALL**
Proposed acoustic wall. Brick garden wall or double panel timber fencing with sound deadening materials - subject to specialist design to the approval of Coventry City Council.
- DEMOLITIONS AND INTERVENTIONS**
Dashed red line where indicated, existing site feature to be removed.



14.0 | TECHNICAL REPORT | LAB TEST:

A technical report on the comparative strength of adhesives used in Glulam beams in tension and their sustainability. To minimise the use of VOCs and toxic substances in the construction of this building.



12.0 | ARCHITECTURAL CONCEPT | SCHEDULE OF MATERIALS TABLE:

Below is a schedule of materials for the proposed Rehabilitation Centre to be considered for the scheme.

Location	Description	Product & Website
Rehabilitation Centre Façade - Rear, Sides and Courtyard	Brickwork & Brick Slips	Danish (non-standard metric) brickwork type D38 (Format HF) by Petersen Tegl or similar approved product, to match the Allison Gingell Coventry University building. To be provided in both full brick and brick slip where necessary for construction. D38, Petersen Tegl ©, n.d.
	Cavity Insulation	Insulation products suitable for timber frame structure with fire class rating of Euroclass A1, smoke generation s1 and burning droplets d0 as required by the Building Regulations AD Part B. Suggested suppliers (ROCKWOOL / UNILIN etc.)
	Timber Frame Structure	Timber Frame Structure (Primary Timber Frame, timber stud infill, Glulam beams, Post-Joist or TJI joist) to be designed by specialist Timber Frame Engineering Consultancy.
	GF Beam & Block slab and Foundations	Beam and block flooring to ground floor slab to provide stable substructure, foundations to Structural Engineers specification subject to detailed GI Report.
Rehabilitation Centre Façade - Front Elevation	Red Sandstone Curtain Walling / Structural Glazing Systems	Red Sandstone curtain walling stone slip panels system by Gormley masonry services or similar approved product to No.1 Poultry by James Stirling. To be of similar colour to the former Whitefriars Monastery, Gate and Coventry Cathedral. To blend in and take material cues from the heritage on the site. Portfolio, Gormley ©, n.d.
	Faience Tile Feature Wall	A bespoke Faience tile design suitable to the antiquity heritage near by of the Whitefriars Monastery and Gate, similar to the Coventry Cathedral stain glass windows, contemporary design by local artist. To be produced by Darwen Terracotta & Faience or similar approved.
Rehabilitation Centre - All Elevations	Windows Glazing & Frames	Pilkington - "Optifloat" clear & tinted (TBC subject to SAP U-Value and G-Value calculations) or similar approved product. Pilkington Optifloat™ Clear (www.pilkington.com/en/global/products/product-categories/thermal-insulation/pilkington-optifloat-clear) Extruded Polyester Powder Coated (PPC) Aluminium window frames to match the Allison Gingell Building of Coventry University, same design and supplier or similar approved. Colour Anthracite grey TBC or similar approved.
Rehabilitation Centre - Flat Roof Terrace and surround hard surfaces	External Paving	Conservation style traditional flagstones Sandstone paving, rustic river surface in colour Heather. Size 600 x 450mm or similar approved product for roof terraces. Variable size stones are ground level to all paths, patio surfaces and courtyard hard standing.
Rehabilitation Centre - All Elevations	Rainwater Goods	Internal rainwater system from Blue Roof storm water attenuation system. Water harvesting system where possible.
Footpaths across green public open space	Well draining gravel surface for footpaths	Washed, rounded, buff coloured gravel, 20mm gauge, 40mm depth or similar approved product.
Footpaths Edging	Metal Edging	Metal Edging or similar approved product.
Rehabilitation Centre - Flat Roof	Flat Roof - Blue and Green Roof Systems	Flat Roof - Blue and Green roof systems by Bretts Landscaping or BAUDER or similar approved system to attenuate storm water as part of SuDs strategy to drainage pond (swale) in green public open space.



13.0 | ARCHITECTURAL CONCEPT | PROPOSED TECHNICAL DESIGN PLAN:

