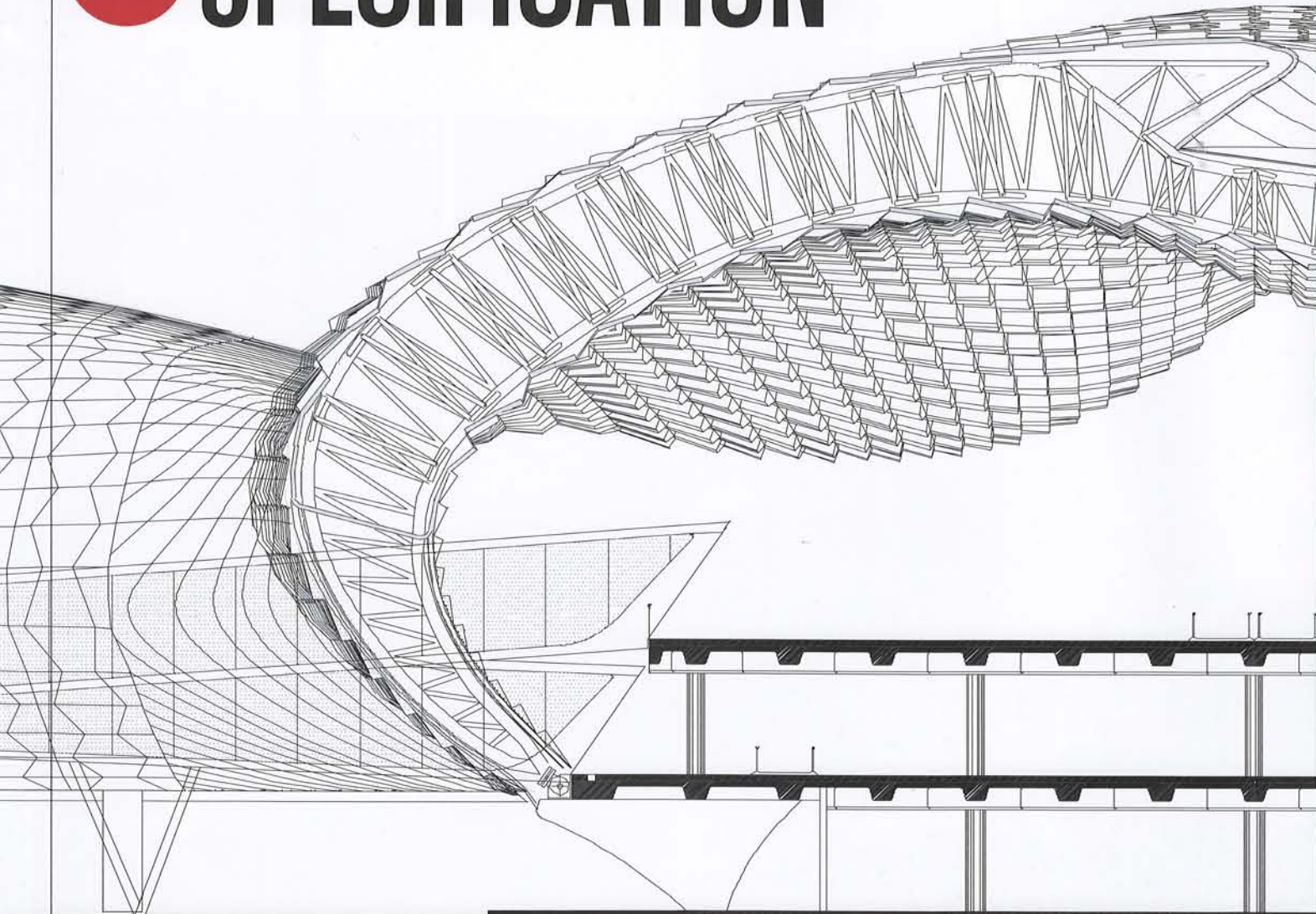


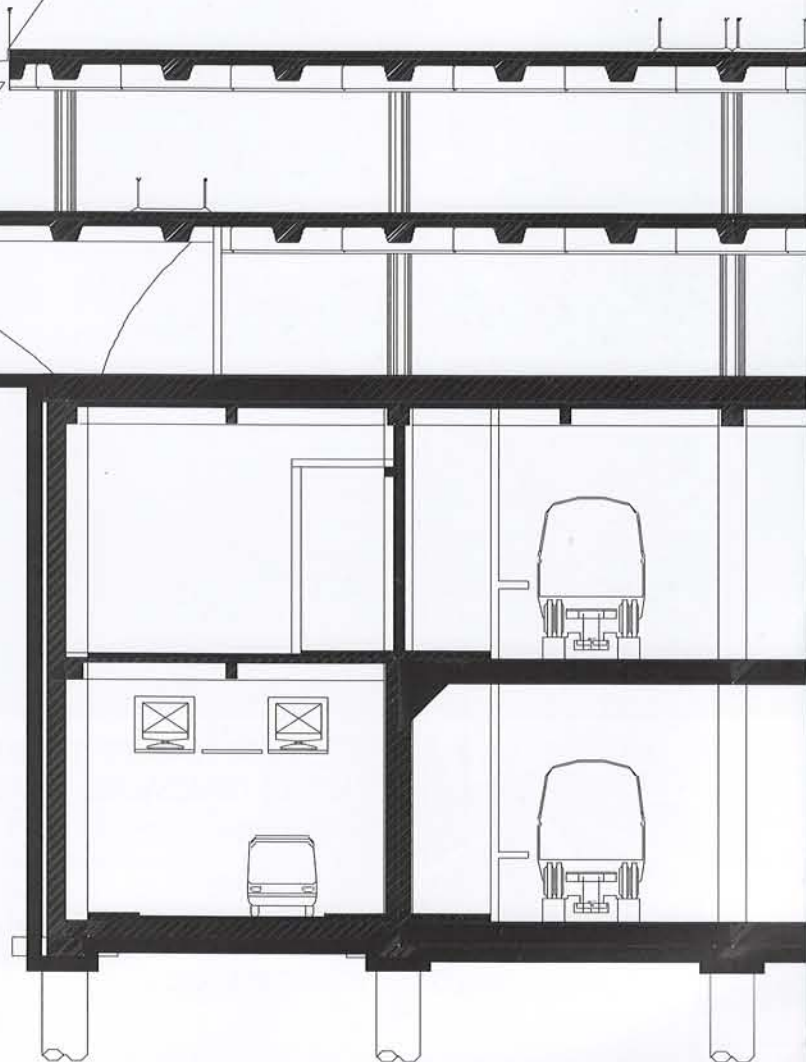


SPECIFICATION



STRUCTURE & SERVICES

Sheppard Robson, Studio Fuksas
Casson Castle, David Morley
AKTII, Max Fordham



LONG SUTTON STUDIO, HAMPSHIRE CASSION CASTLE ARCHITECTS

Long Sutton Studio was designed for product designer Tom Lloyd, who worked alongside us to produce a companion building to his farmhouse that could serve as a studio, workshop, garage or storeroom.

At first sight, the building is deliberately understated. Closer inspection, however, reveals modern detailing, giving it a subtle and contemporary identity. The studio celebrates timber in its many forms: softwood and hardwood, laminated, planed and rough sawn.

Vertical green oak weatherboarding sits upon a red-brick plinth beneath reclaimed tiles. Rooflights avoid interrupting the rhythm of the weatherboarding, and large doors on the primary elevations admit further light. The glulam portal frame structure is fully expressed internally, with other elements overlaid in a clear hierarchy. Exposed steel plates and fixings emphasise the structure and offer further visual interest. Spaces within the walls are employed as workspaces as well as storage areas. *Cassion Castle, principle, Cassion Castle Architects*





This image
View towards site-
formed window

Photography by
Kilian O-Sullivan

Specified products

Glulam portal frame in European whitewood

Kingston Craftsmen

www.kingston-craftsmen.co.uk

Green oak cladding, framing and sills to doors and windows

Honeysuckle Bottom sawmill

www.surrey-oak.com

Plywood sheathing to roof

UPM Plywood

www.wisaplywood.com

Conservation rooflights

Velux

www.velux.com

Guttering and downpipes

Lindab Aluzinc

www.lindab.com

Channel drain

Jewson

Liberty-Drain LDD150

www.jewson.co.uk

Reclaimed clay roof and ridge tiles

Fleet Roofing and Scaffolding

www.fleetroofingandscaffoldingltd.co.uk

Brick

Wienerberger

Marpessa Multi red brick

www.wienerberger.co.uk

Project data

Start on site January 2013

Completion May 2013

Gross internal floor area 63m²

Form of contract Bespoke

Total cost £130,000

Cost/m² £2,063

Architect Cassion Castle Architects

Client Tom Lloyd

Structural engineer Structure Workshop

Project manager Cassion Castle Architects

Timber frame Kingston Craftsmen

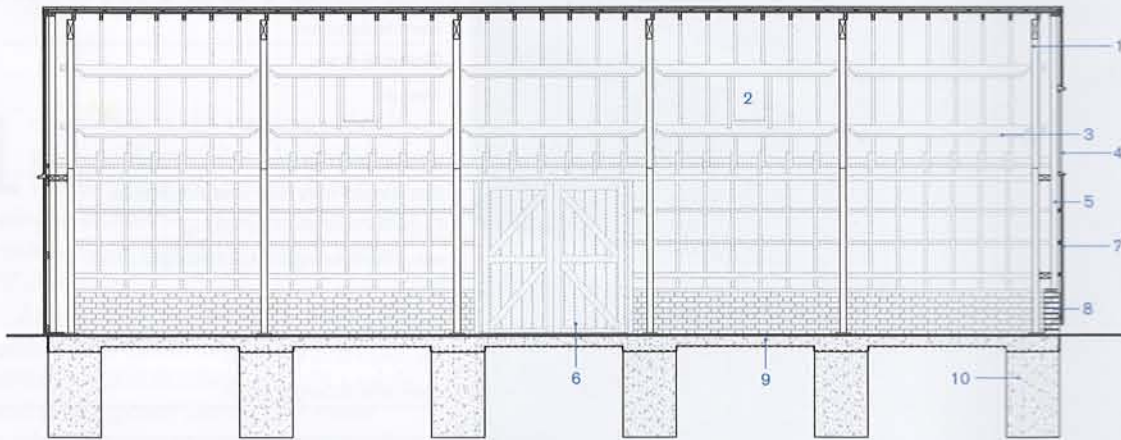
Roofing Fleet Roofing and Scaffolding

CAD software used Vectorworks

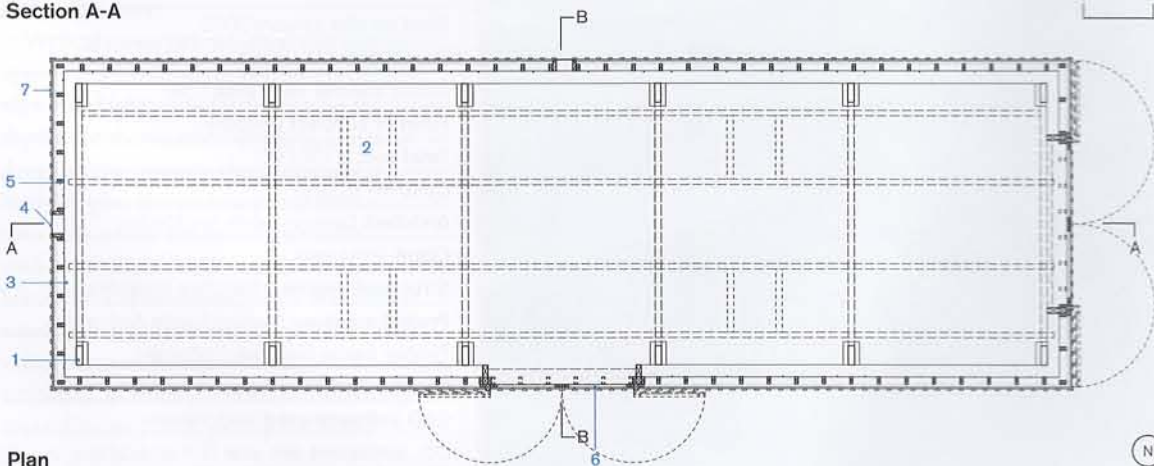
CO₂ emissions per year Not applicable



Left View from south-west with vertical green oak weatherboarding and reclaimed tiles **Opposite, clockwise from top left** Glulam portal frame at south end; View from south-east; Spaces within the walls serve as workspaces and storage areas **Next page** View towards large entrance doorway to north-west

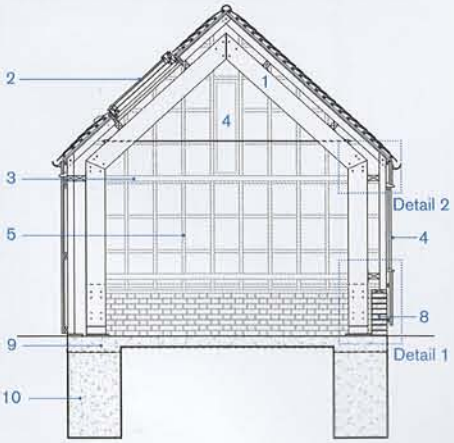


Section A-A



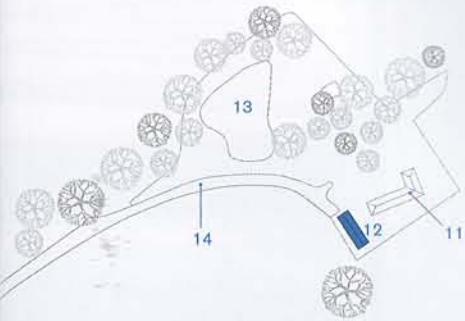
Plan

1. Glulam portal frame
2. Conservation rooflight
3. Glulam sheeting rail
4. Site-formed window
5. Counter batten
6. Ledge and brace door
7. Green oak board on board cladding
8. Red-brick plinth
9. RC slab
10. MC pad footings
11. Existing farmhouse
12. New barn
13. Pond
14. Lane



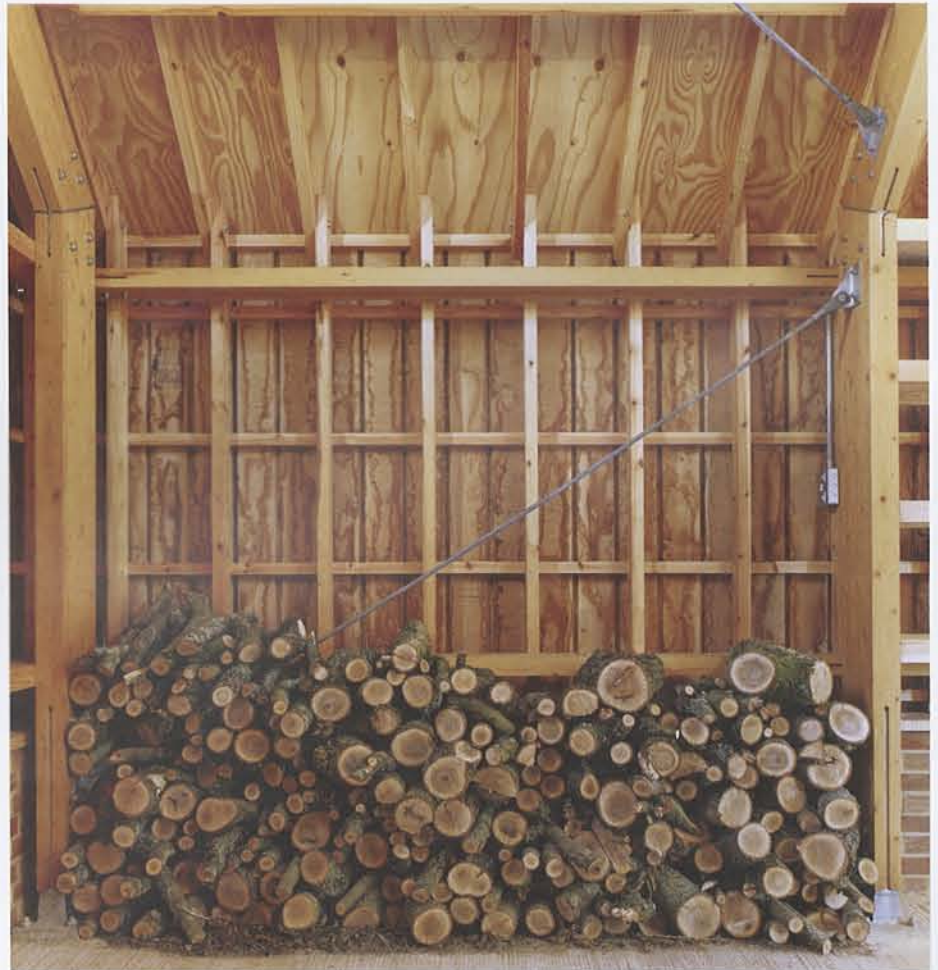
Section B-B

0 1m



Site plan

0 10m N

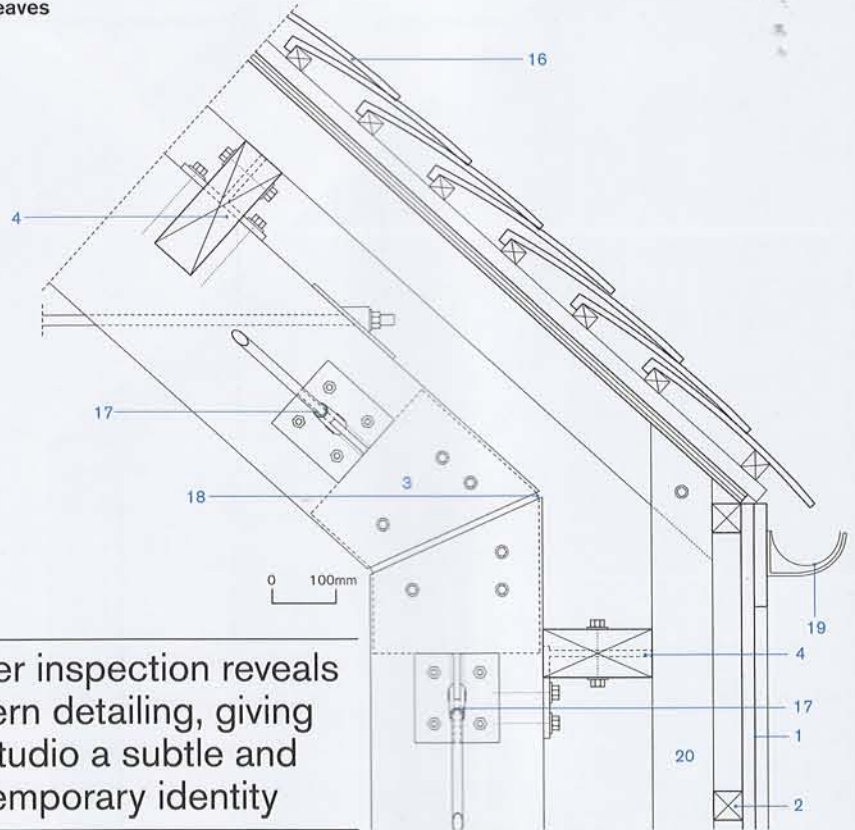




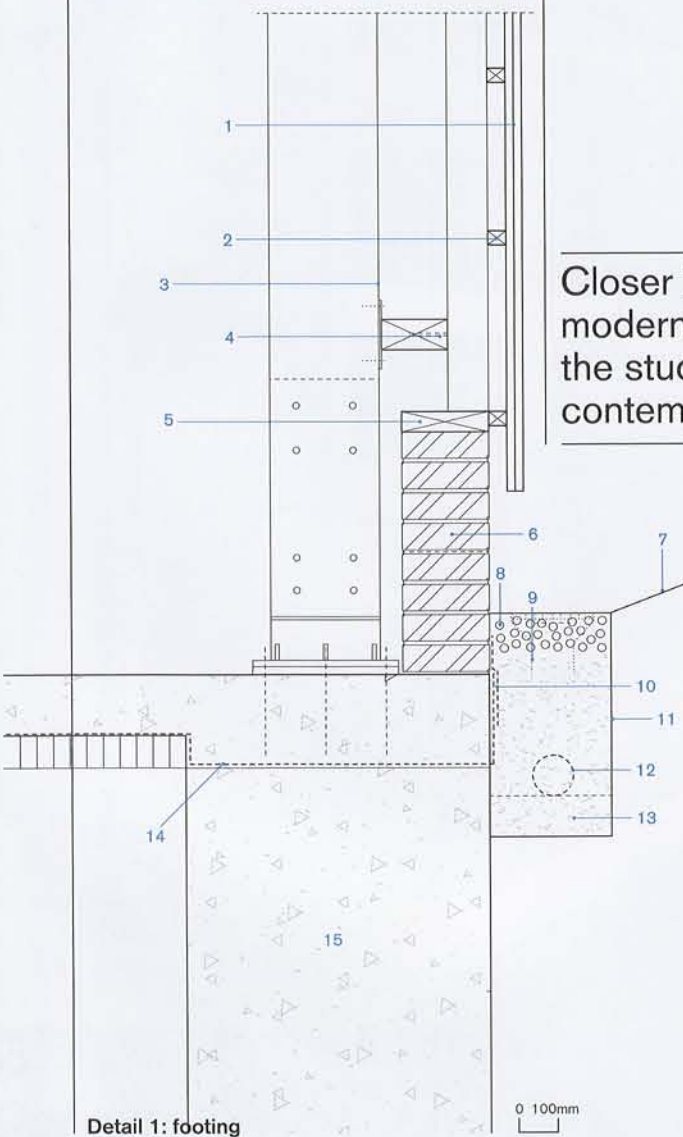




Detail 2: eaves



Closer inspection reveals modern detailing, giving the studio a subtle and contemporary identity



1. Green oak cladding
2. Counter batten
3. Glulam portal frame
4. Glulam sheeting rail
5. Timber wall plate
6. Red-brick wall
7. Ground reshaped ad hoc
8. Round flint
9. Trapped gully
10. Self-adhesive membrane
11. Terram
12. Perforated pipe
13. Pea shingle
14. DPM
15. Footing
16. Reclaimed roof tiles
17. Galvanised steel tie rod
18. Galvanised steel eaves connectors
19. Aluminium gutter
20. PSE redwood studs



Detail 1: footing