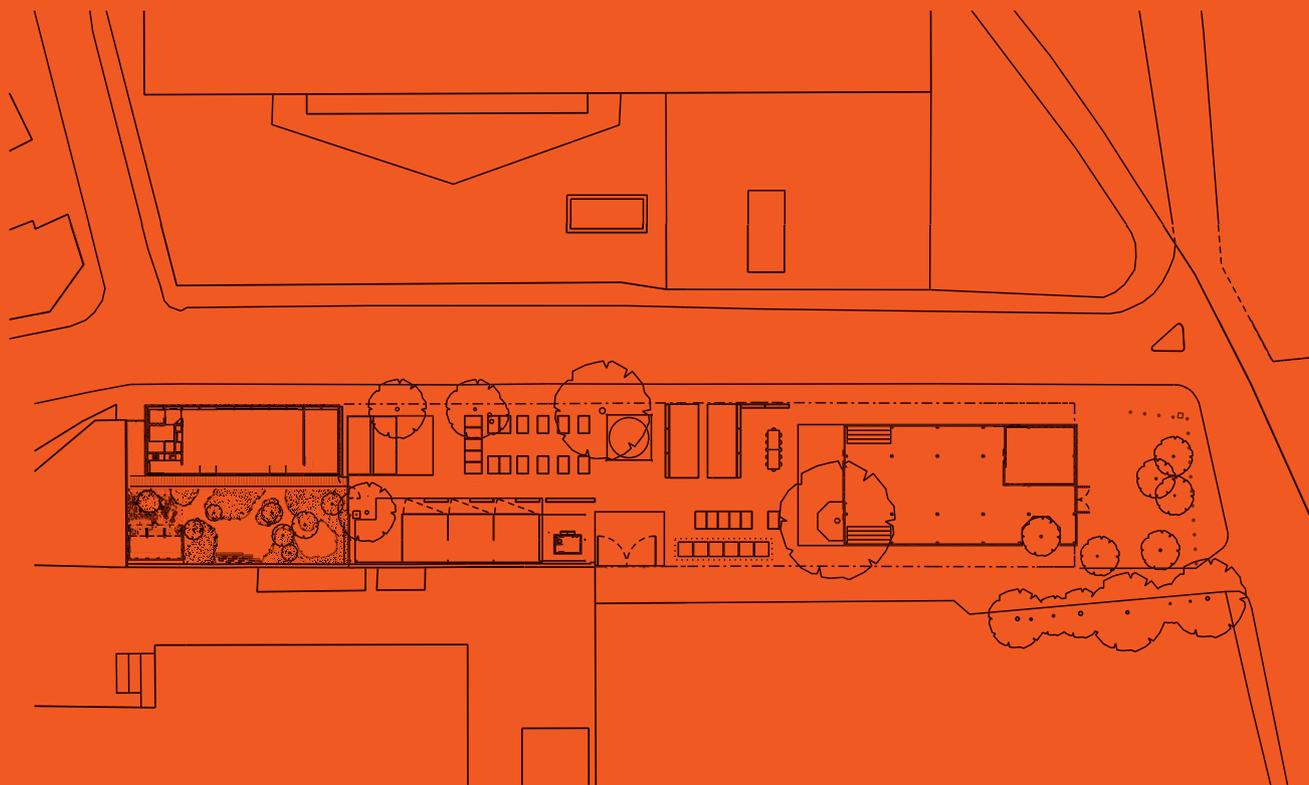


Doors and windows

Waterloo Community Farm Education Barn Feilden Fowles

Photography by Peter Cook



PROJECT DATA

Start on site May 2014

Completion February 2018

Gross internal floor area

Farm: 1,630m²; barn: 290m²

Construction cost Barn: £143,000

Construction cost per m² £493

Lighting consultant Re-Lit

(a charitable branch of

Michael Grubb Studio)

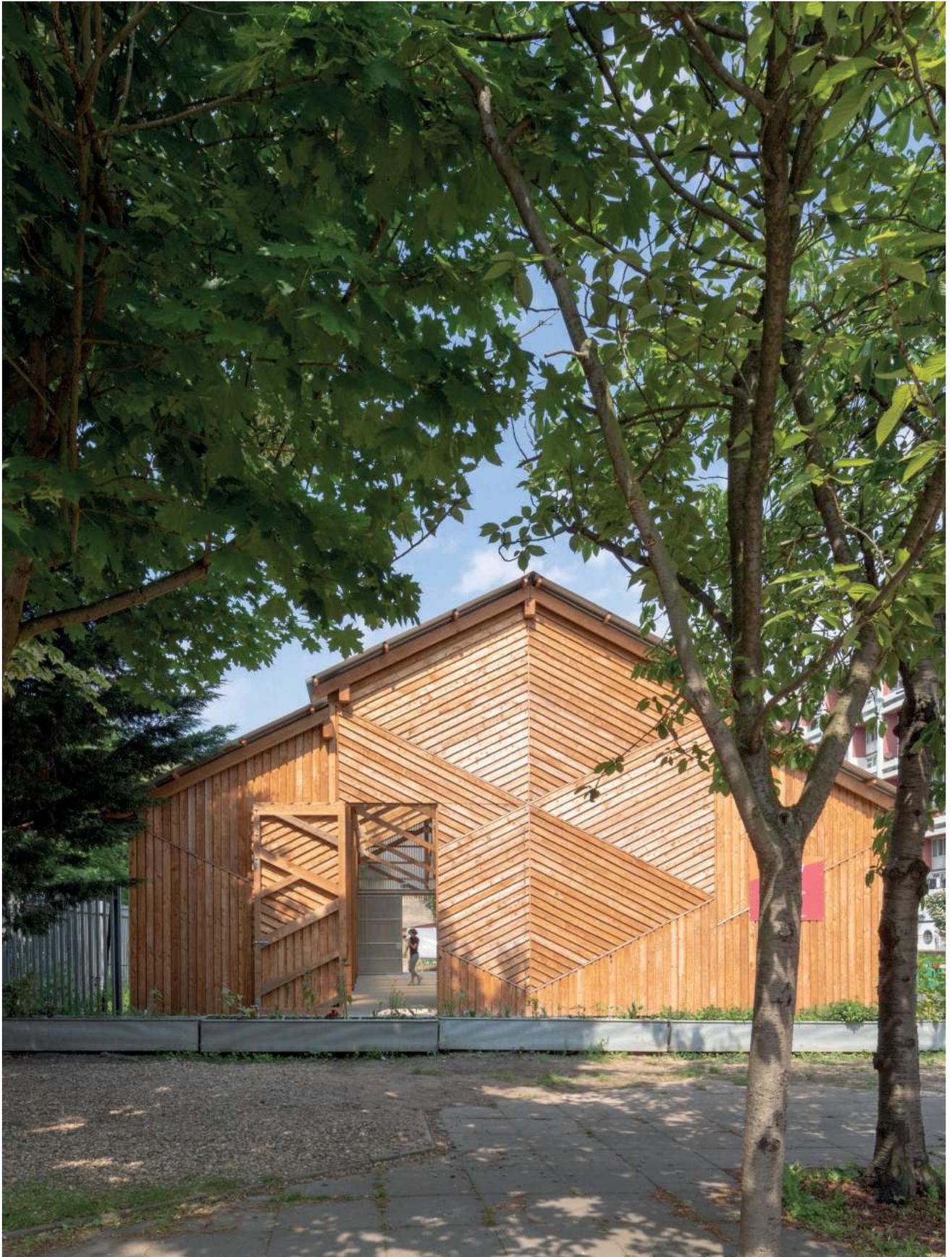
Architect Feilden Fowles

Structural engineer

Structure Workshop

Main contractor Timber Workshop

Fit out contractor Mansel Land



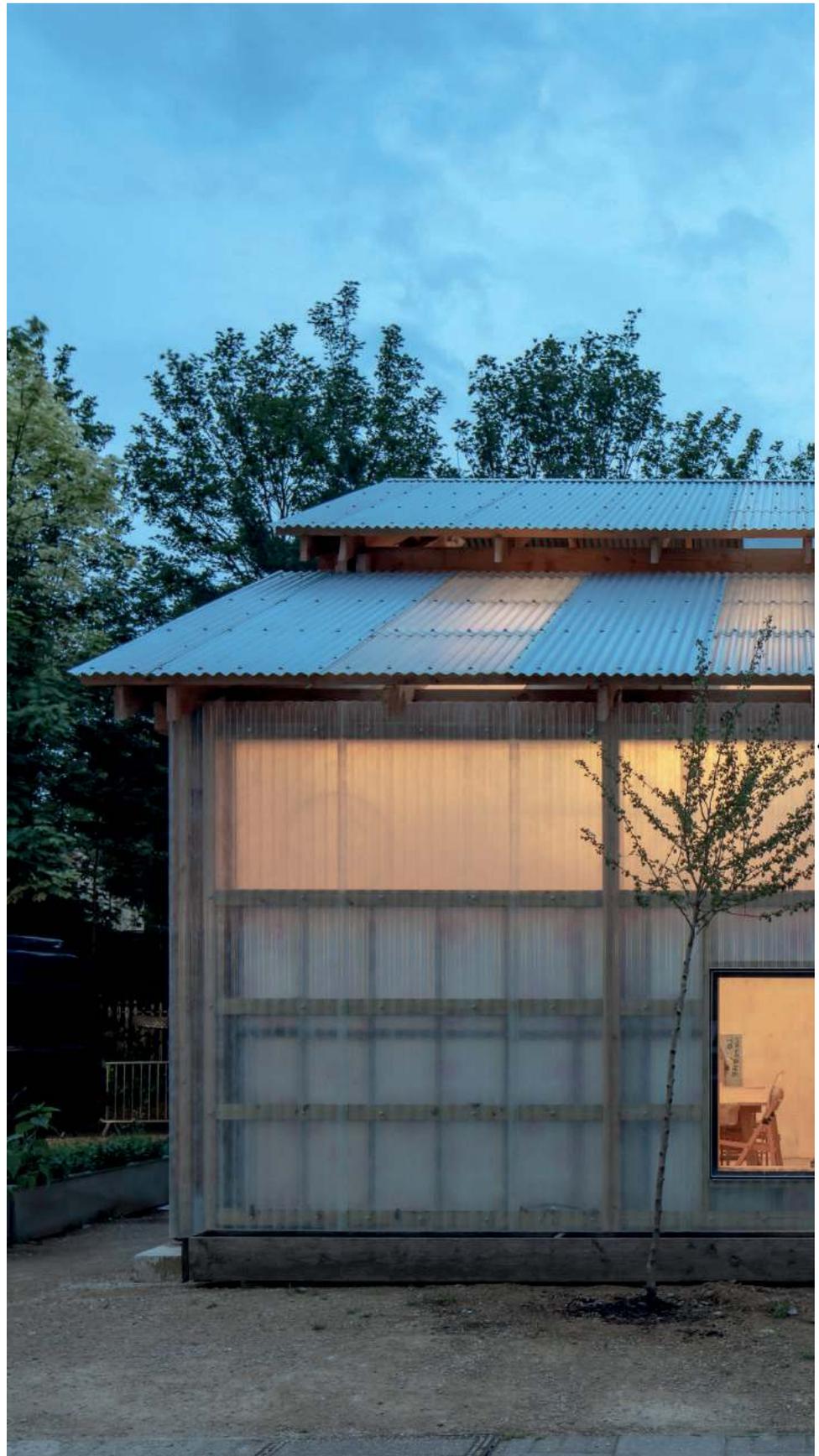
PROJECT DESCRIPTION

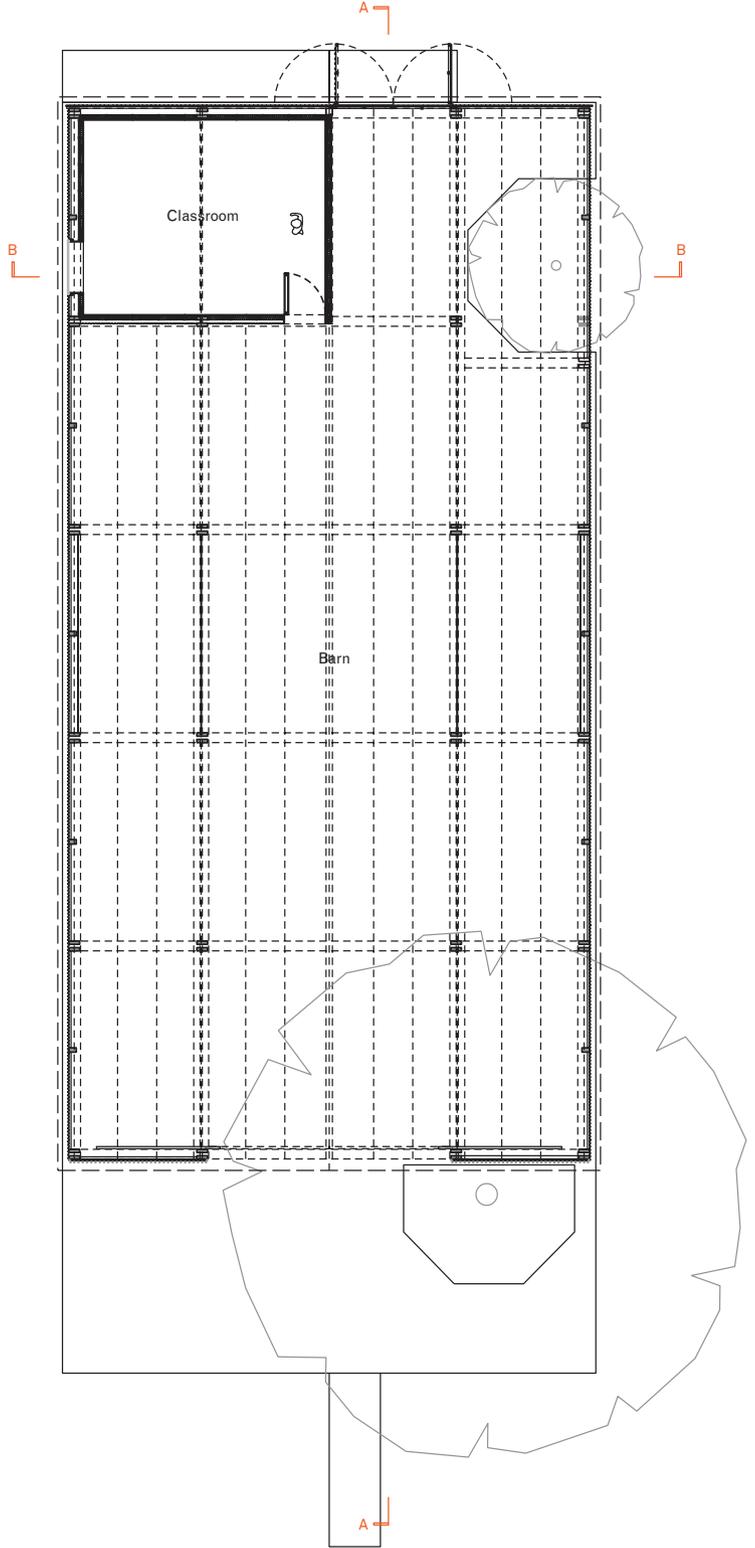
Waterloo Community Farm embodies Feilden Fowles' values for education: that spaces for learning should be aspirational and uplifting; that they should inspire a sense of pride, value and ownership, enabling them to have impact within the community.

A backland site in central London provided an opportunity for collaboration between Feilden Fowles and two charities – Jamie's Farm and Oasis Waterloo – to transform the lives of children through learning experiences outside the classroom. Despite economic constraints, the three organisations together raised funds to deliver a masterplan that has created London's most central urban farm and a centre for the local community.

Owned by Guy's and St Thomas' Hospital and developed under a 'meanwhile-use' lease, all structures including the barn have been designed as prefabricated timber frames that can be disassembled easily and reconfigured in the future – acknowledging the impermanence of the site. The articulated truss structure of the barn creates a lofty and uplifting space for congregation. An insulated classroom has been inserted in the north-west corner, providing a quieter space for focused learning.

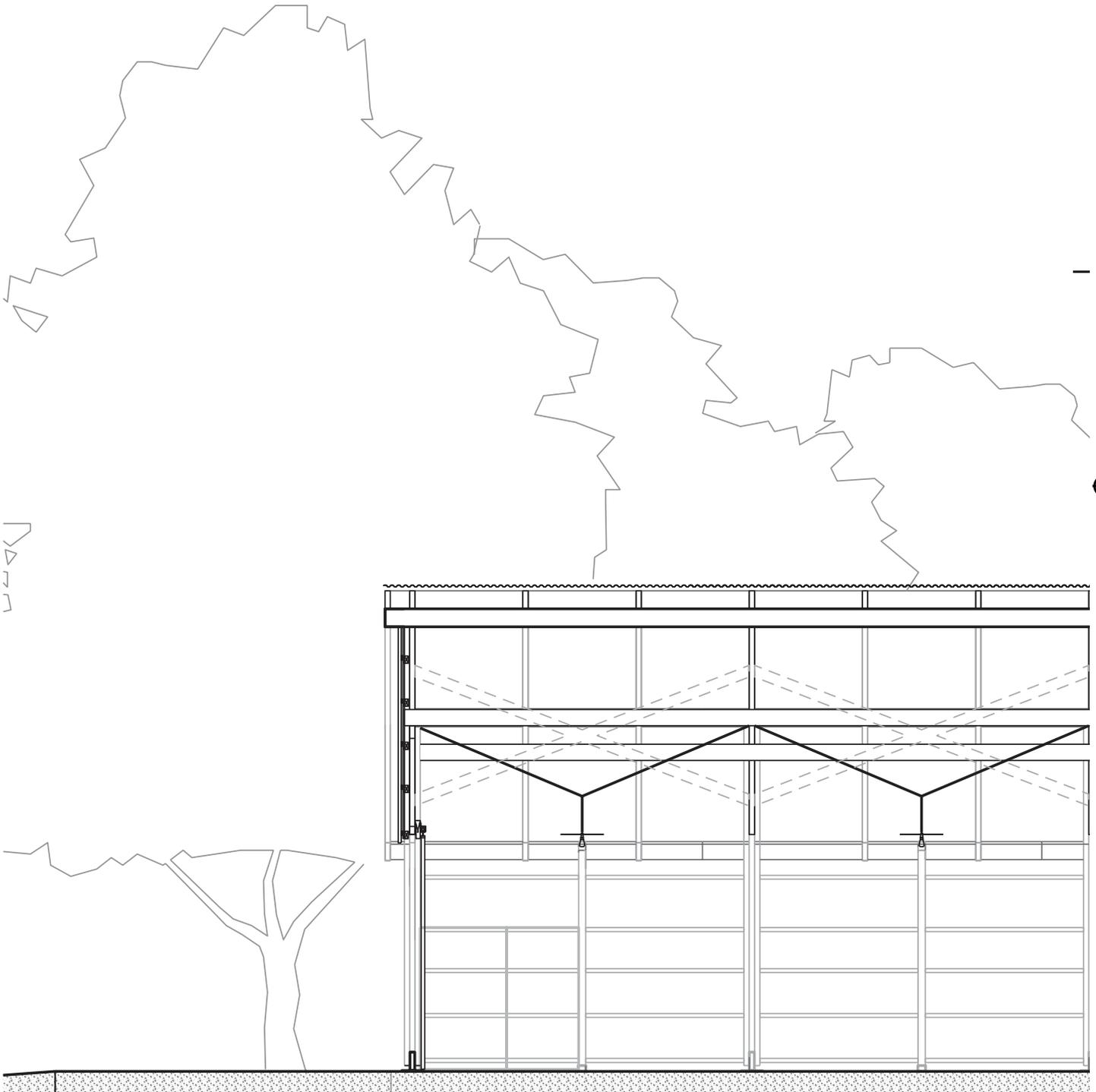
Fergus Feilden, director, Feilden Fowles



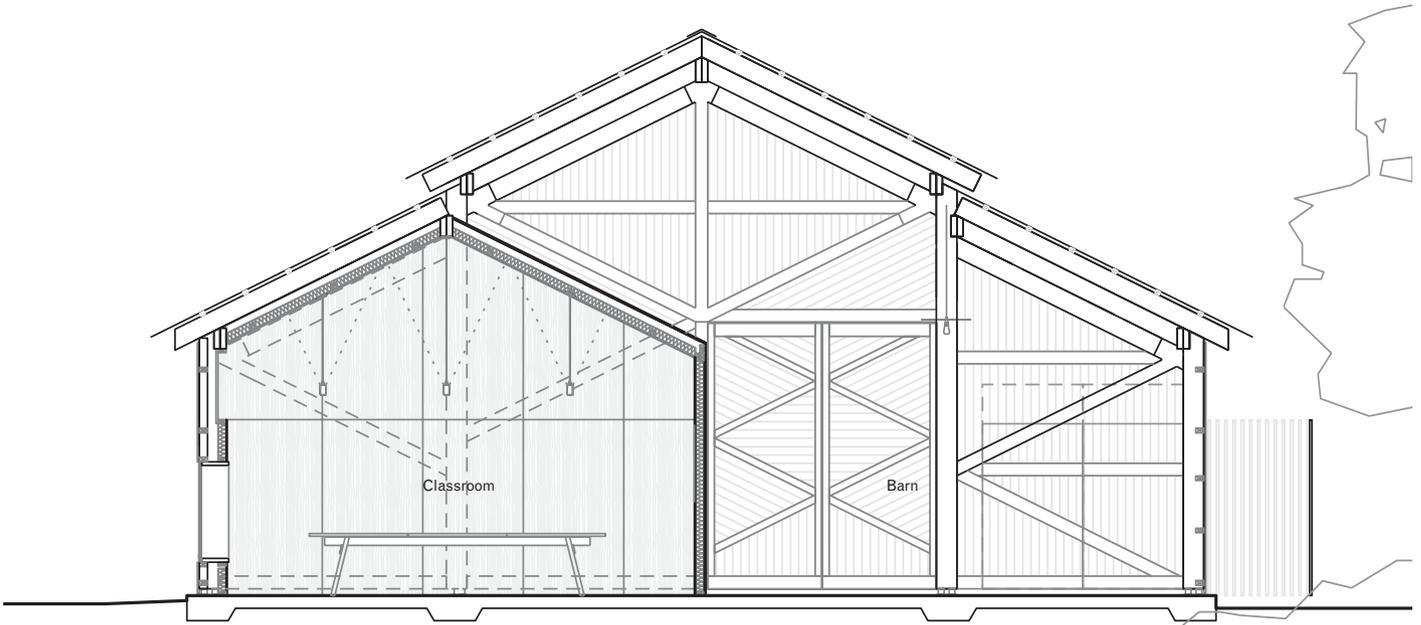


BARN PLAN

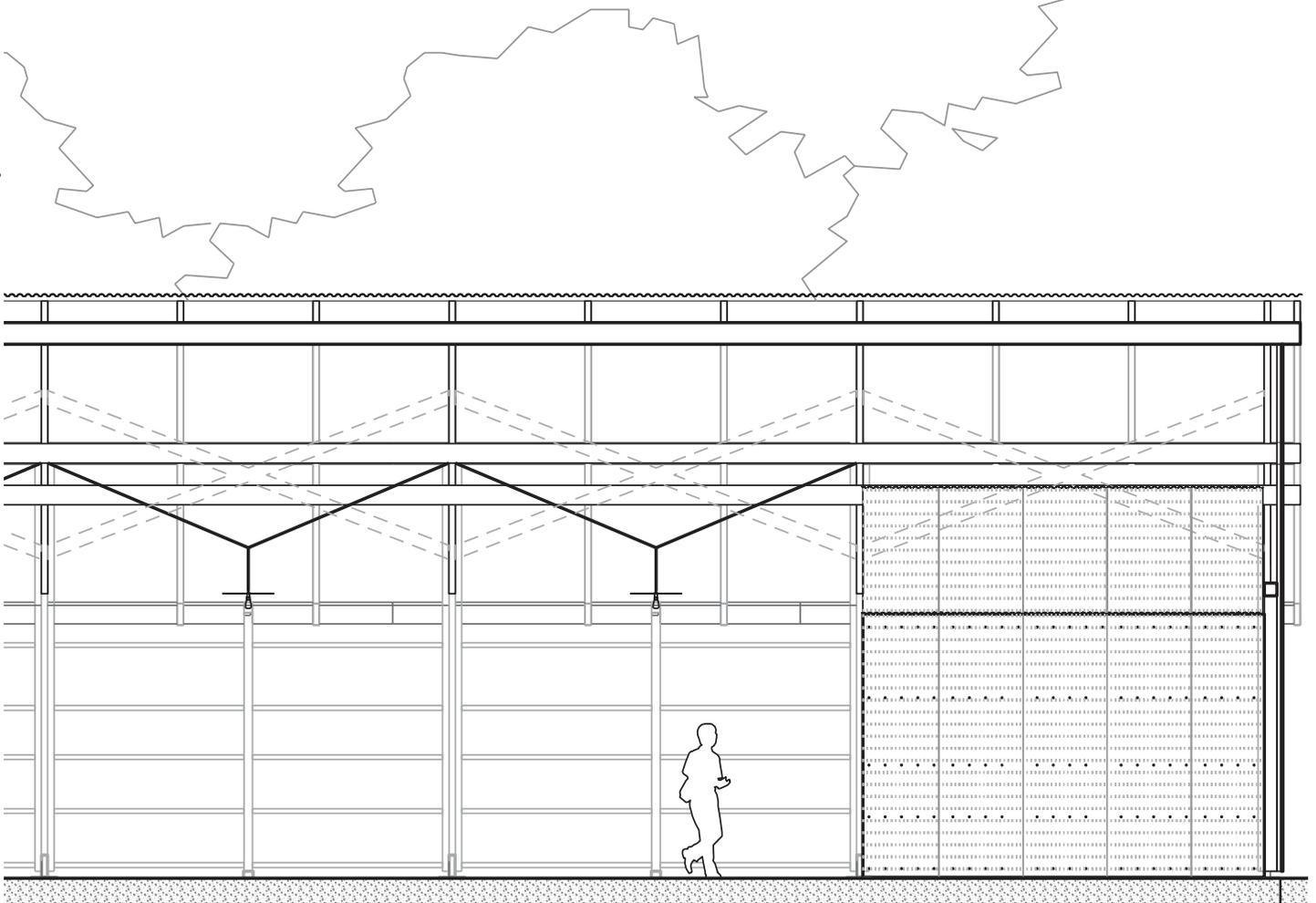
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BARN SECTION A-A



BARN SECTION B-B



0 1m

DETAIL DESCRIPTION

The selected materials were chosen on the basis of being economical and typically found in agricultural settings.

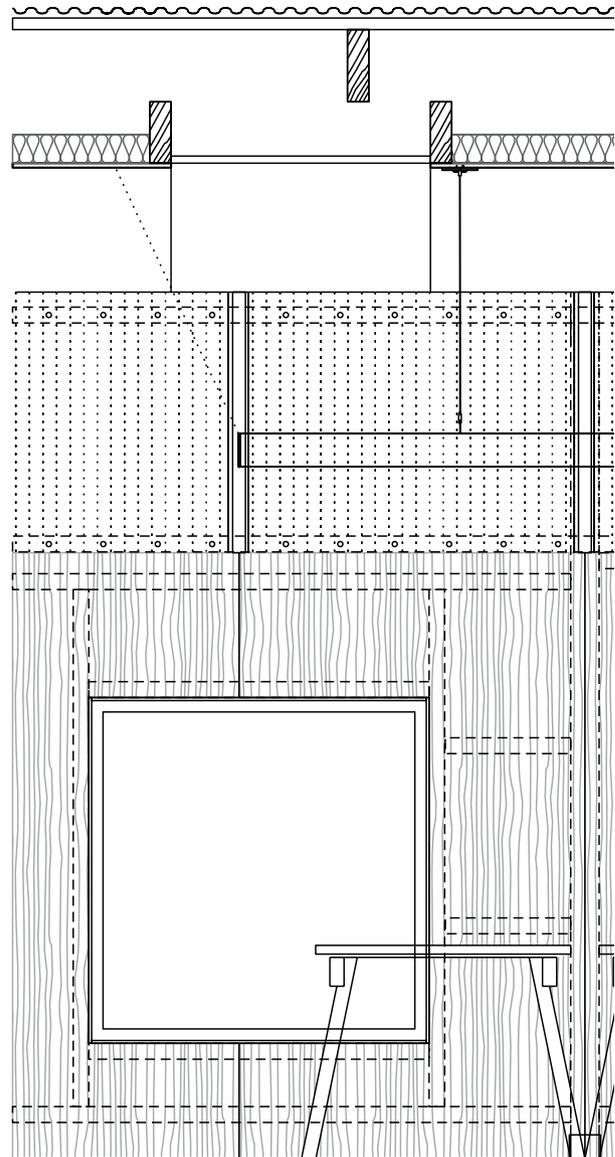
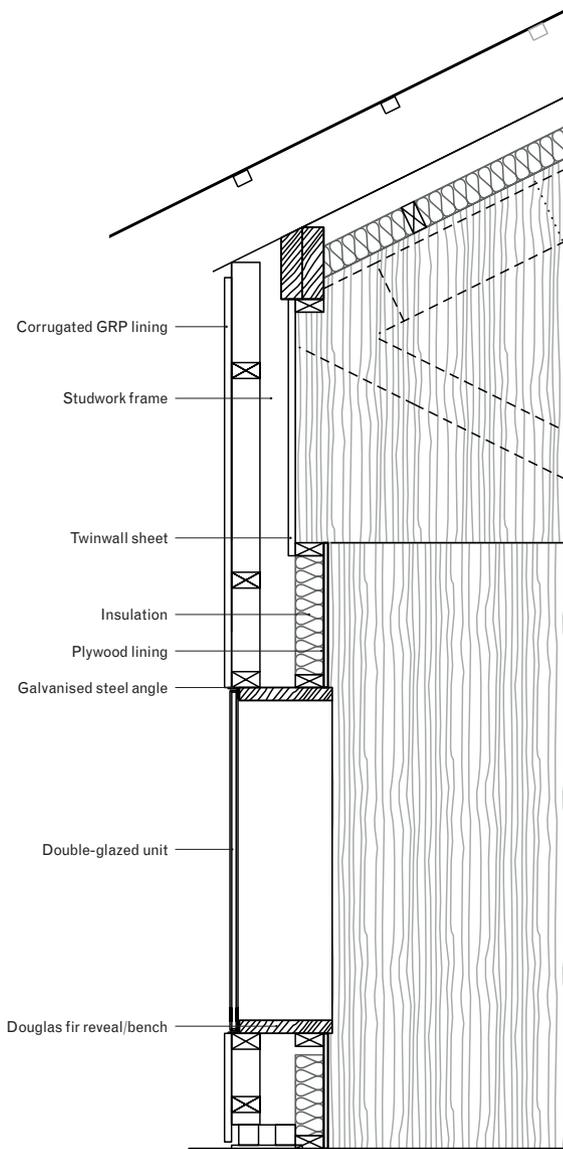
The truss form of the Douglas fir main barn frame gives character to the main space and is echoed in the form of the timber cladding of the barn's main façade facing Carlisle Lane.

Translucent GRP was chosen to clad the long façades, allowing light to penetrate the space. Sliding galvanised steel barn doors open to reveal the central path that runs the length of the farm site. Galvanised steel is also used

for the cladding of the classroom and its door.

The insulated classroom is lined with birch-faced ply, selected for its economy and whitewashed to lift the finish. It provides space for shelving and pinned-up work. The classroom provides a more traditional learning environment but retains a simple, agricultural aesthetic in line with the whole site. One deep-set double-glazed unit, framed in steel angles, provides a view to the outside and a place to sit.

Fergus Feilden, director, Feilden Fowles



CLASSROOM DETAIL SECTION AND ELEVATION



SELECTED PRODUCTS

Larch timber frame

Somerscales of Grimsby. Timber sourced from Hampshire, the Lake District and Scotland

Main barn

Cladding timber

Local supplier. Grown and milled in Devon

Barn door

IAE Agriculture

Galvanised steel frame and galvanised steel sheet cladding

www.iae.co.uk

Main barn cladding

CladCo Profiles

14/3 Corrugated GRP

www.cladco.co.uk

Steel cladding

Accord Steel Cladding

0.5mm 14/3 corrugated galvanised steel

Classroom

www.steelroofsheets.co.uk

Classroom clerestory

Varico

25mm Multiwall Roofing Sheet, clear

www.varicoltd.com

Main barn post footings

Batavon

Galvanised steel

www.albat.co.uk

Double-glazed unit

Lead Designs

Toughened, 28mm

Classroom window

www.leaddesigns.co.uk

Insulation

Celotex (donation)

100mm rigid insulation

Classroom

www.celotex.co.uk

Window frames

The Metal Store

40 x 40 x 5mm galvanised steel angle

Classroom window/door

www.themetalstore.co.uk