



WAUGH THISTLETON



UK' s first
2003



Three storeys

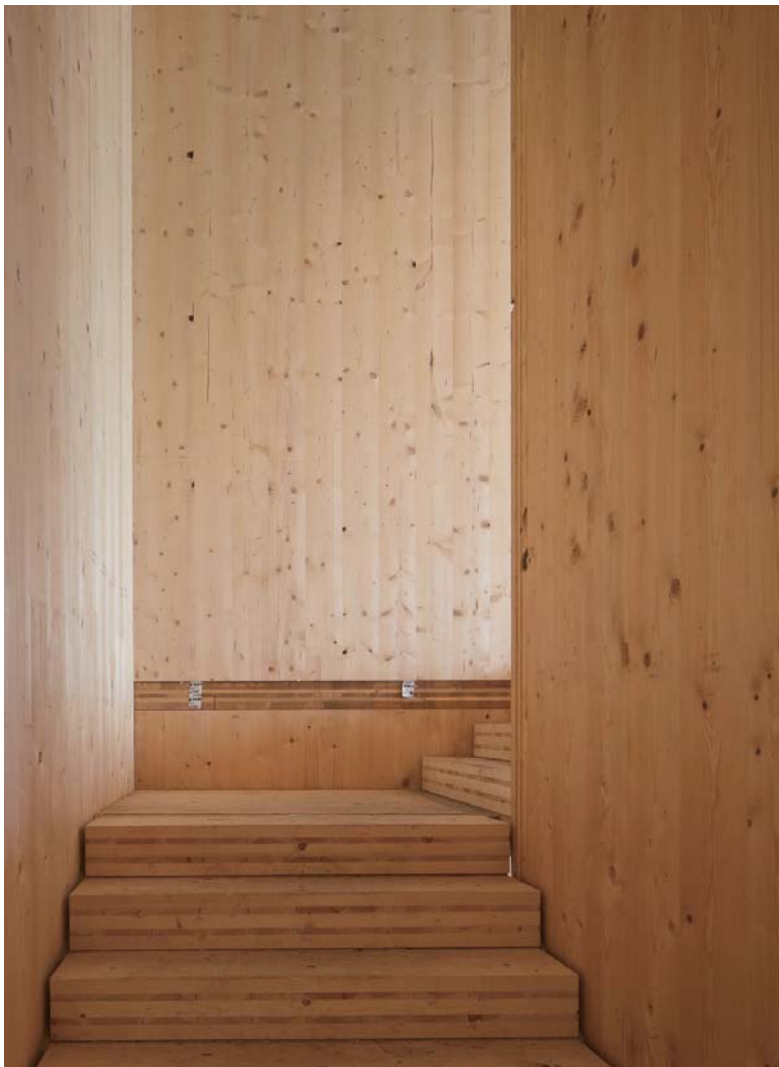
45sqm

Four people

Six hours



World's first
2008



Honeycomb

CLT Structure

Rotated

Plans

Load-bearing

walls, floors, cores

Nine Storeys

29 apartments



1150t of CO₂
safeguarded

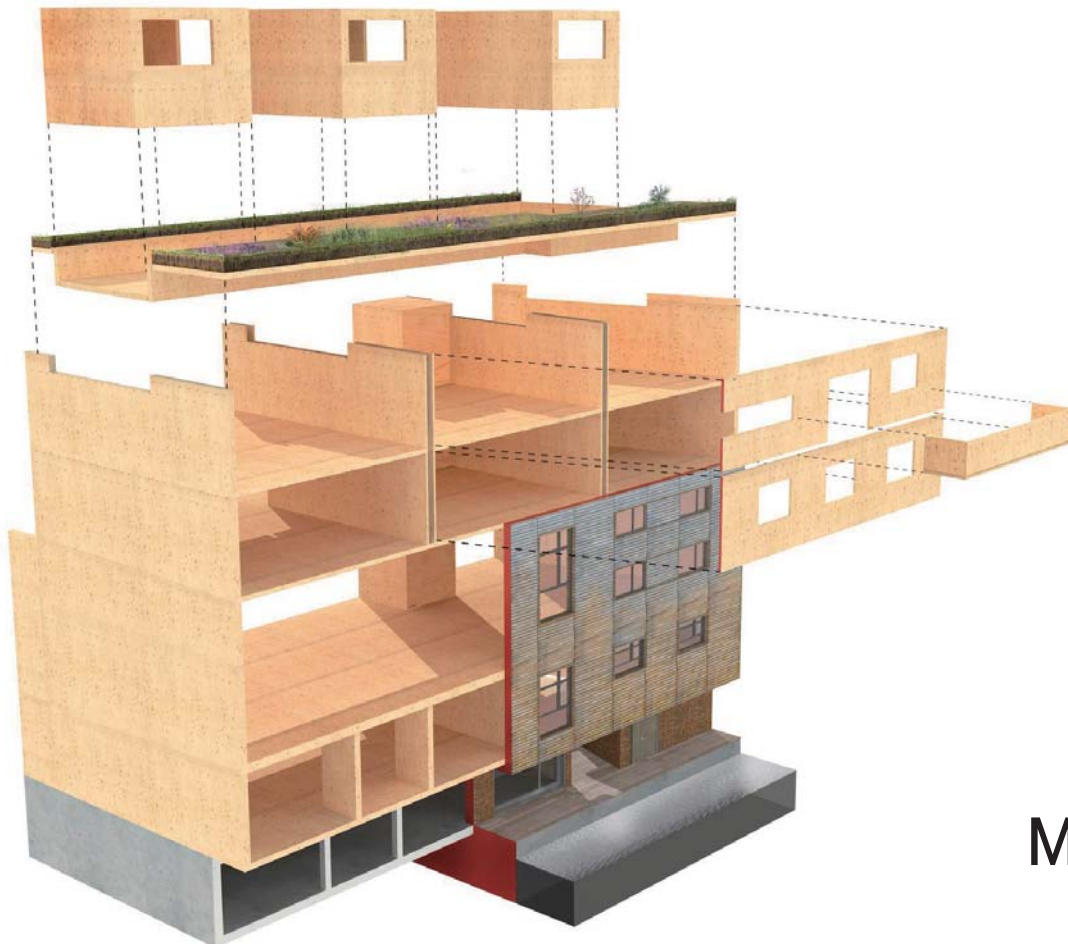
27 Days
four men

No tower crane
reduced foundations





Murray Grove
2008



My home
2012



Deep beams

Party walls

Truss facade

500m³ of CLT

Open plan

Double height 9.5m wide



Whitmore Road

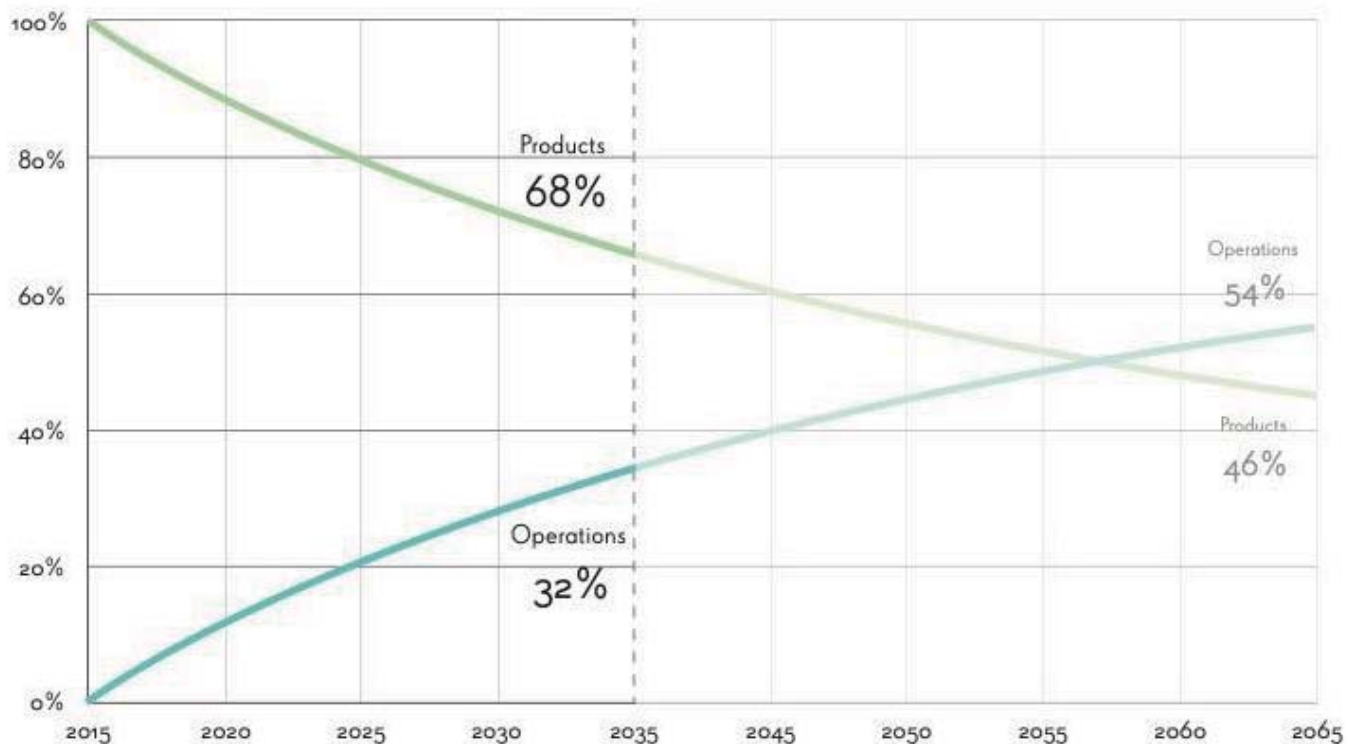
2012



2016

100% timber



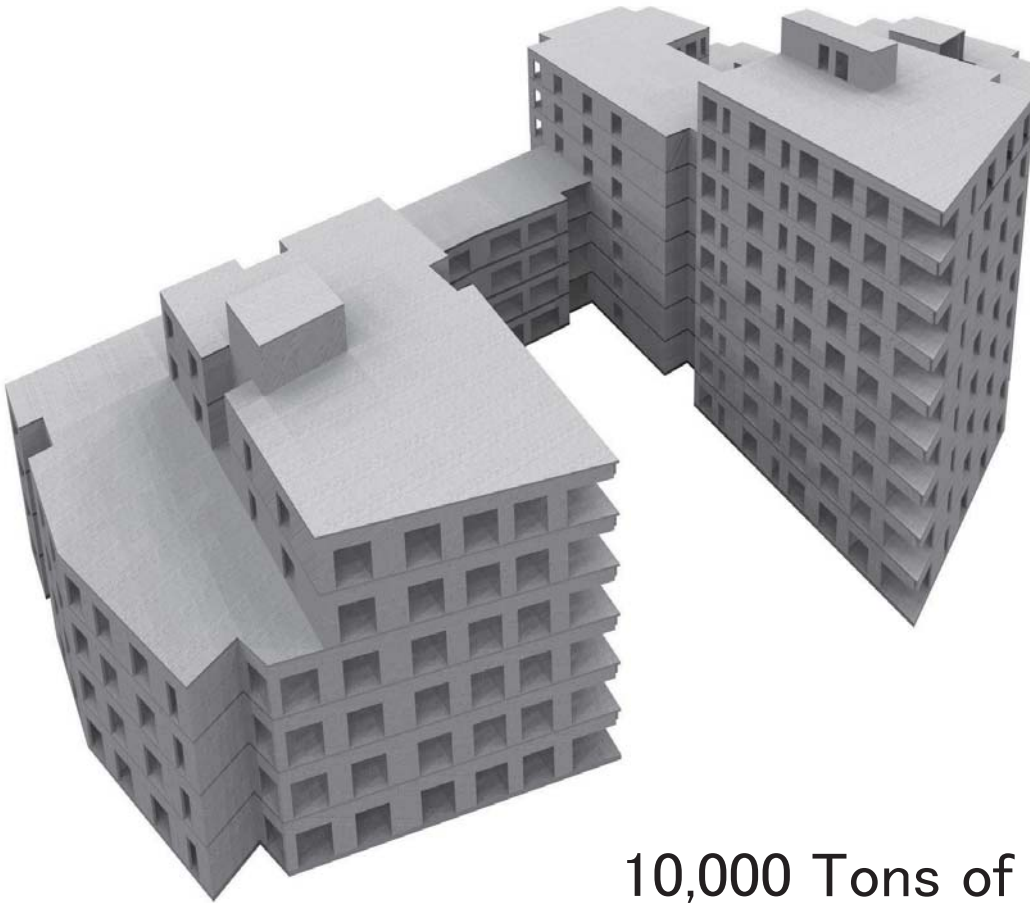


Time value of carbon

2015 – 2035



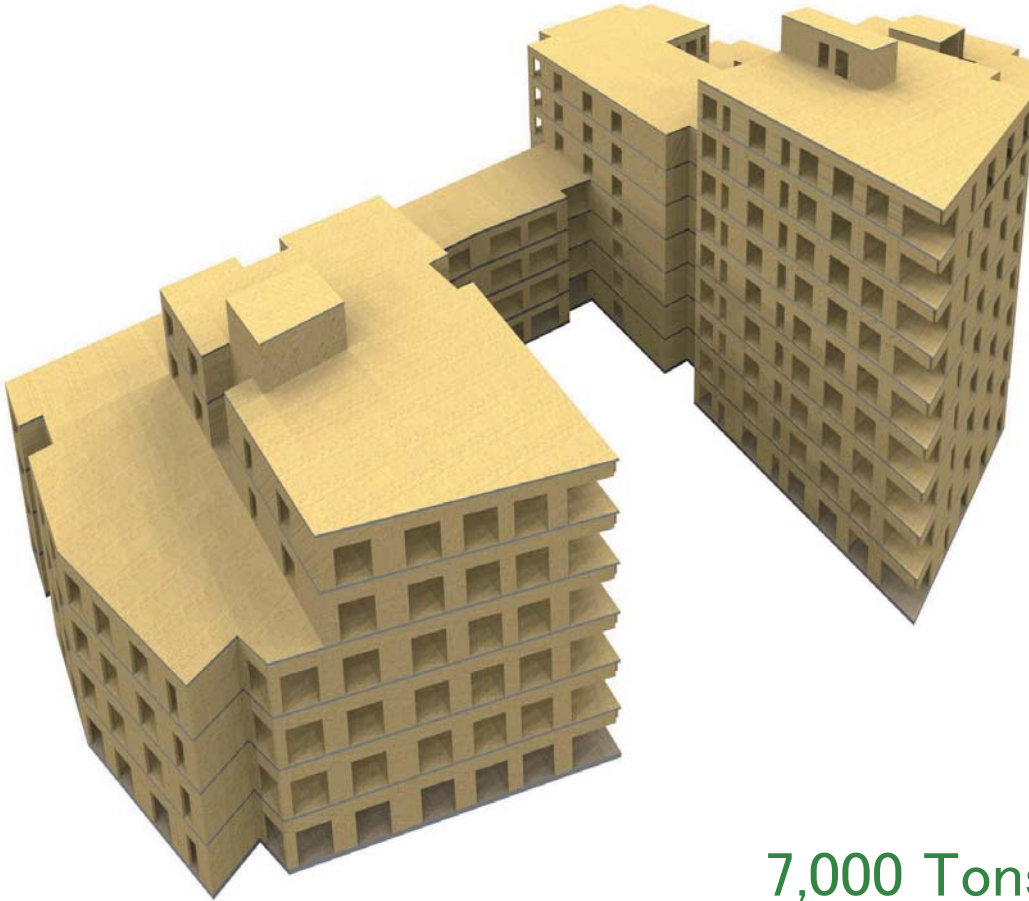
World's largest
2016



10,000 Tons of concrete



1,930 Tons of timber



7,000 Tons of CO₂



121 Homes

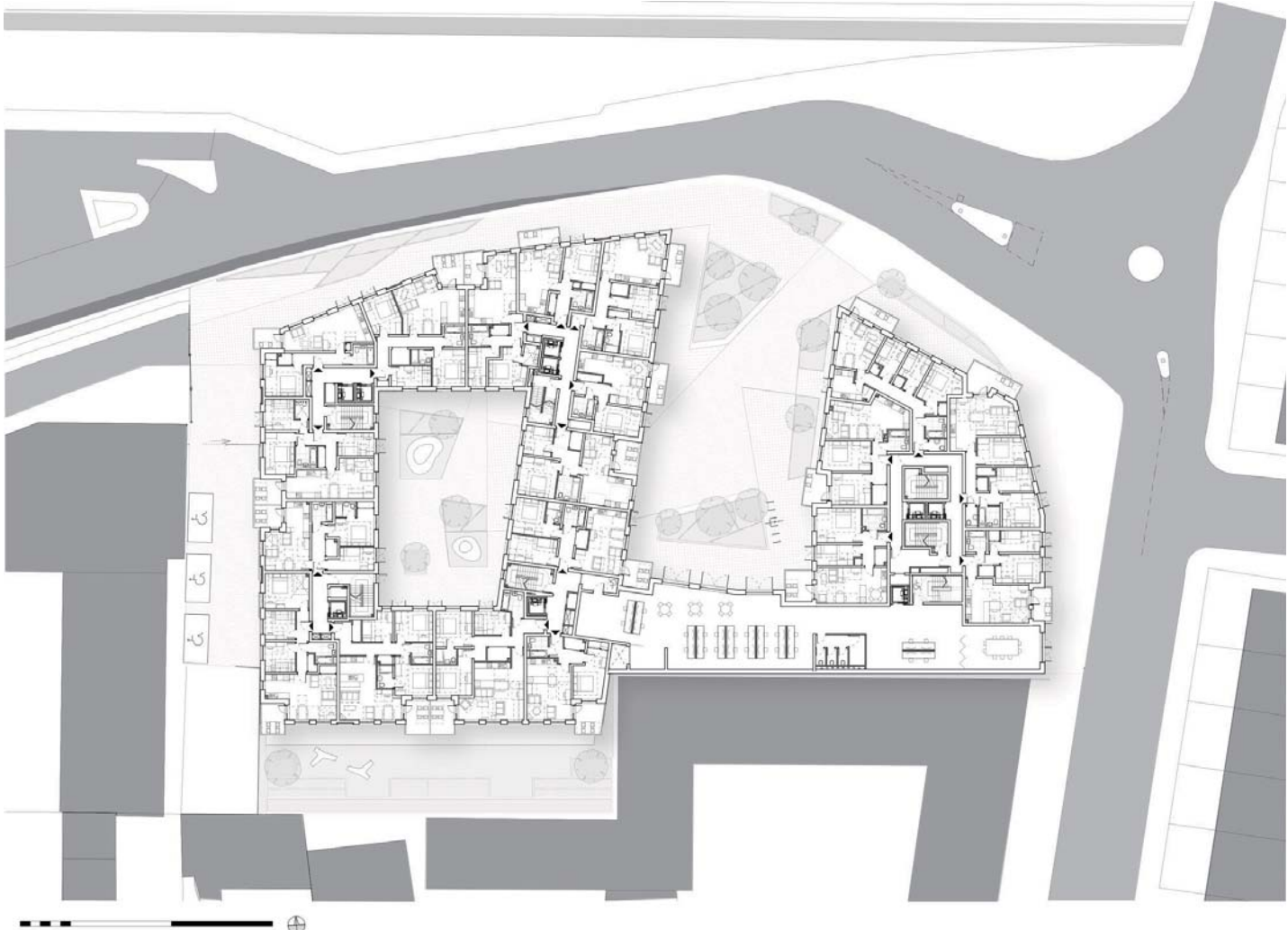
4,000sqm business

16,000sqm

10 stories, 34m tall

23 months

5 months for CLT

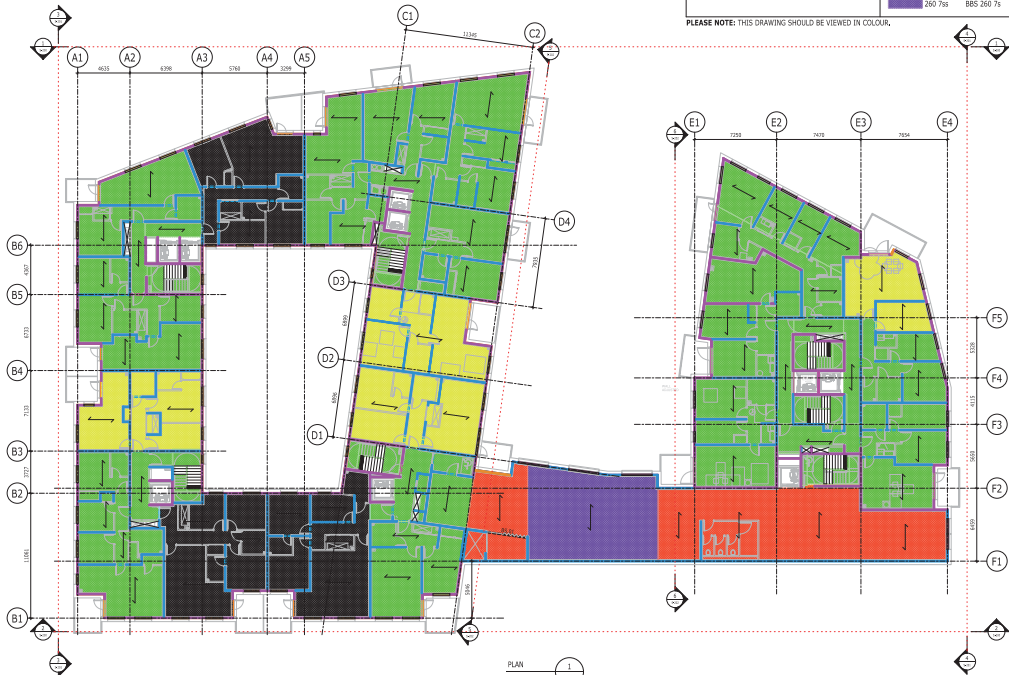


STEEL BEAM SCHEDULE	
MEMBER REF	MEMBER SIZE
BS_01	UB203x133x25
BS_02	UB254x146x37
BS_03	UB356x171x51
BS_04	UB457x191x74

CLT WALL PANELS		
KLH	BINDERHOLZ	STORA ENSO
117 5s	B85 100 5s	100 C5s
125 5s	B85 120 5s	120 C5s
140 5s	B85 140 5s	140 C5s
162 5s	B85 160 5s	160 C5s
200 5s	B85 200 5s	200 L5s
260 7s	B85 260 7s	260 L7s-2

CLT FLOOR PANELS		
KLH	BINDERHOLZ	STORA ENSO
140 5s	B85 140 5s	140 L5s
162 5s	B85 160 5s	160 L5s-2
182 5s	B85 180 5s	180 L5s
200 5s	B85 200 5s	200 L5s
260 7s	B85 260 7s	260 L7s-2

PLEASE NOTE: THIS DRAWING SHOULD BE VIEWED IN COLOUR.



PLAN
1:100
LEVEL 02 (SSL: +25.500m U/L/O)

Notes

1. DO NOT SCALE FROM THIS DRAWING.
2. ALL DIMENSIONS ARE MILLIMETRES (U/L/O).
3. ALL LEVELS ARE IN METRES ABOVE ORIGIN (U/L/O).
4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND ENGINEERING DRAWINGS AND SPECIFICATIONS.
5. STEEL WALLS TO BE DESIGNED AND COORDINATED AT THE NEXT DESIGN STAGE.

PROJ	STAGE D	DATE	13/06/14	BY	CH
REV	1	DATE	13/06/14	BY	CH

STAGE D

DALSTON LANE

RAMBOLL

W 61000 000 000 Rev 01/05/00 01/14 ram@ramboll.co.uk www.ramboll.co.uk

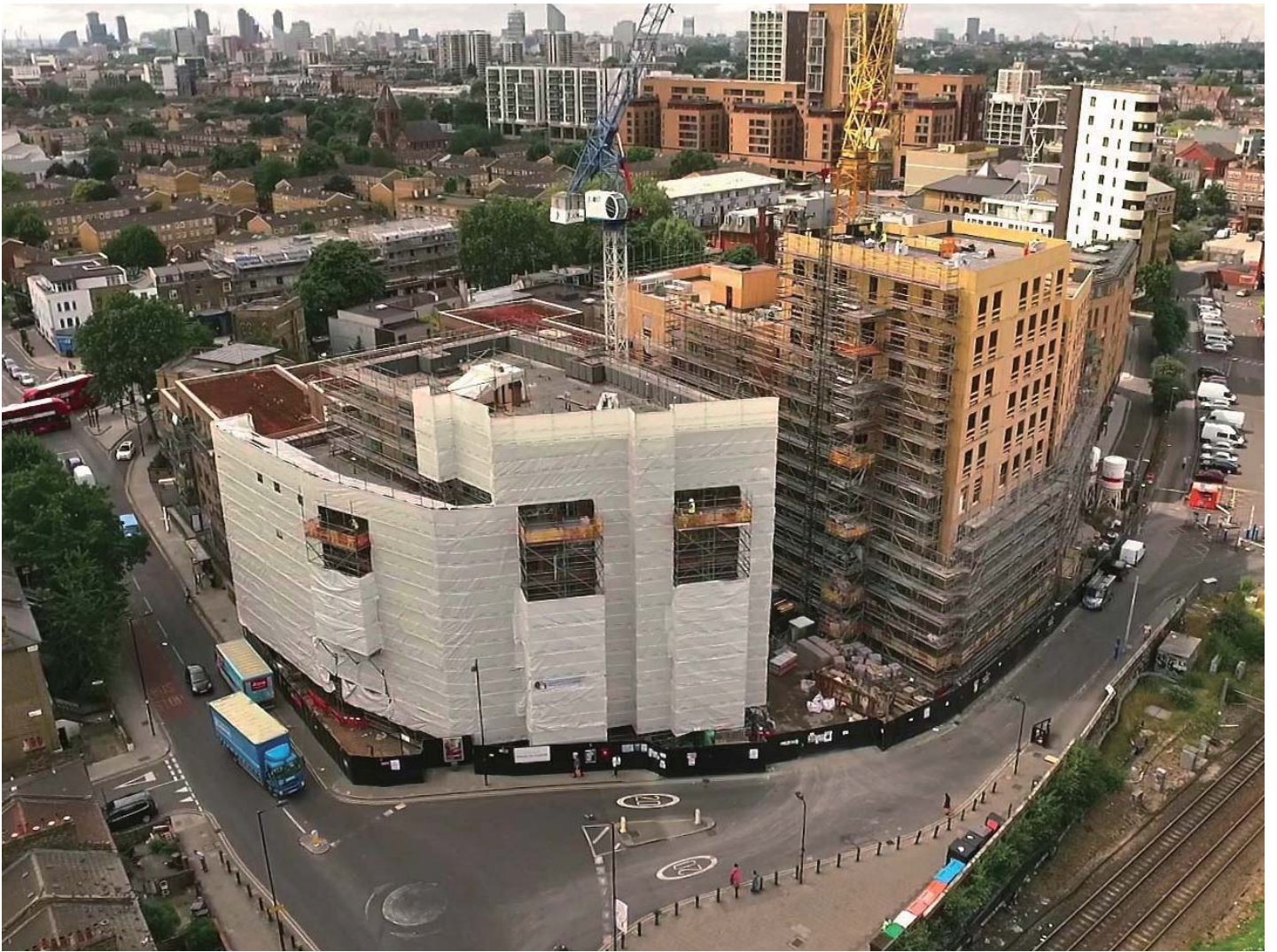
SECOND FLOOR GA WALL LAYOUT

DATE	13/06/14	BY	PCB	CHKD	AD
PROJECT NO.	33049-S-120				P02



DALSTON LANE

**WAUGH THISTLETON ARCHITECTS
REGAL HOMES**



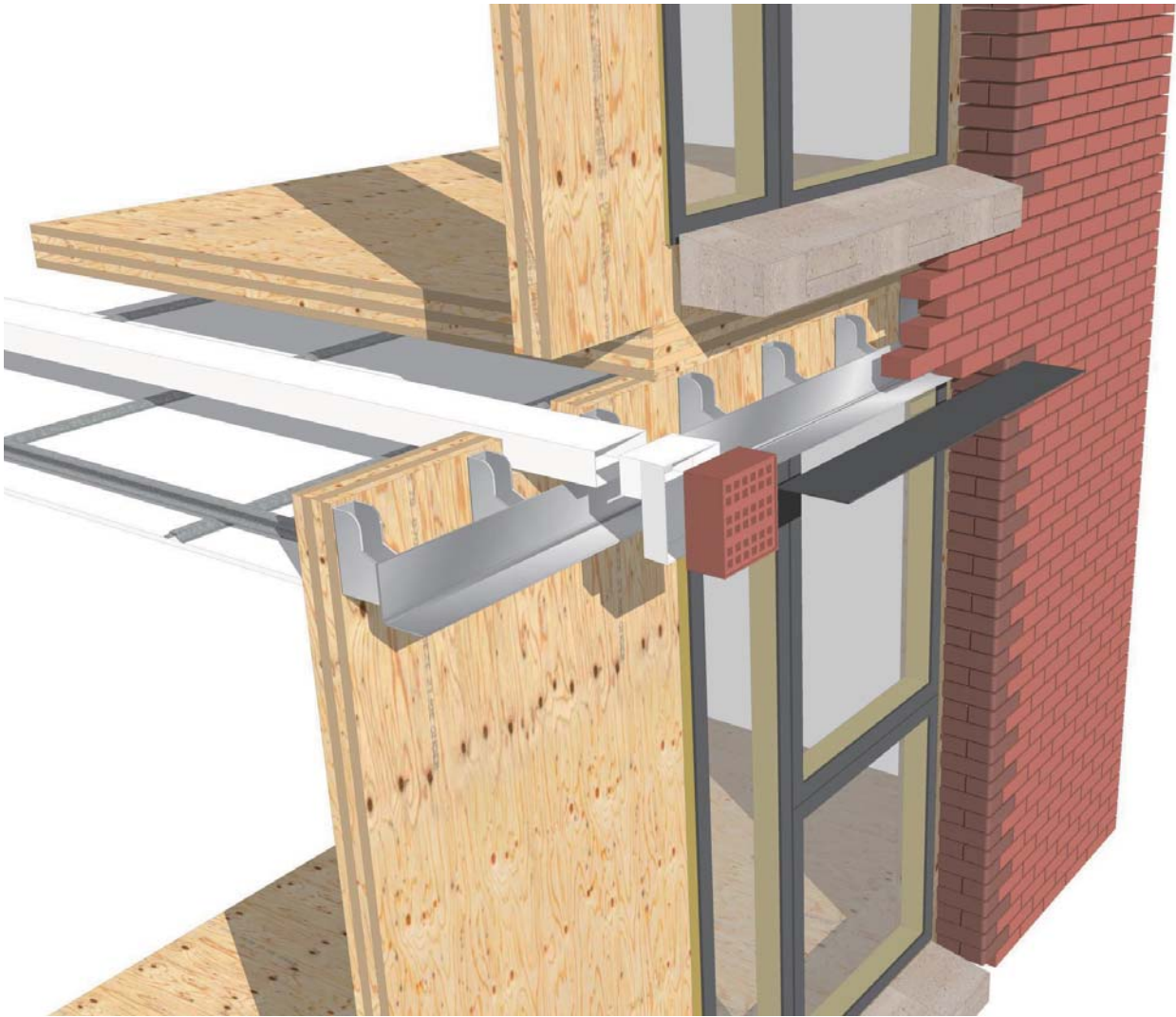


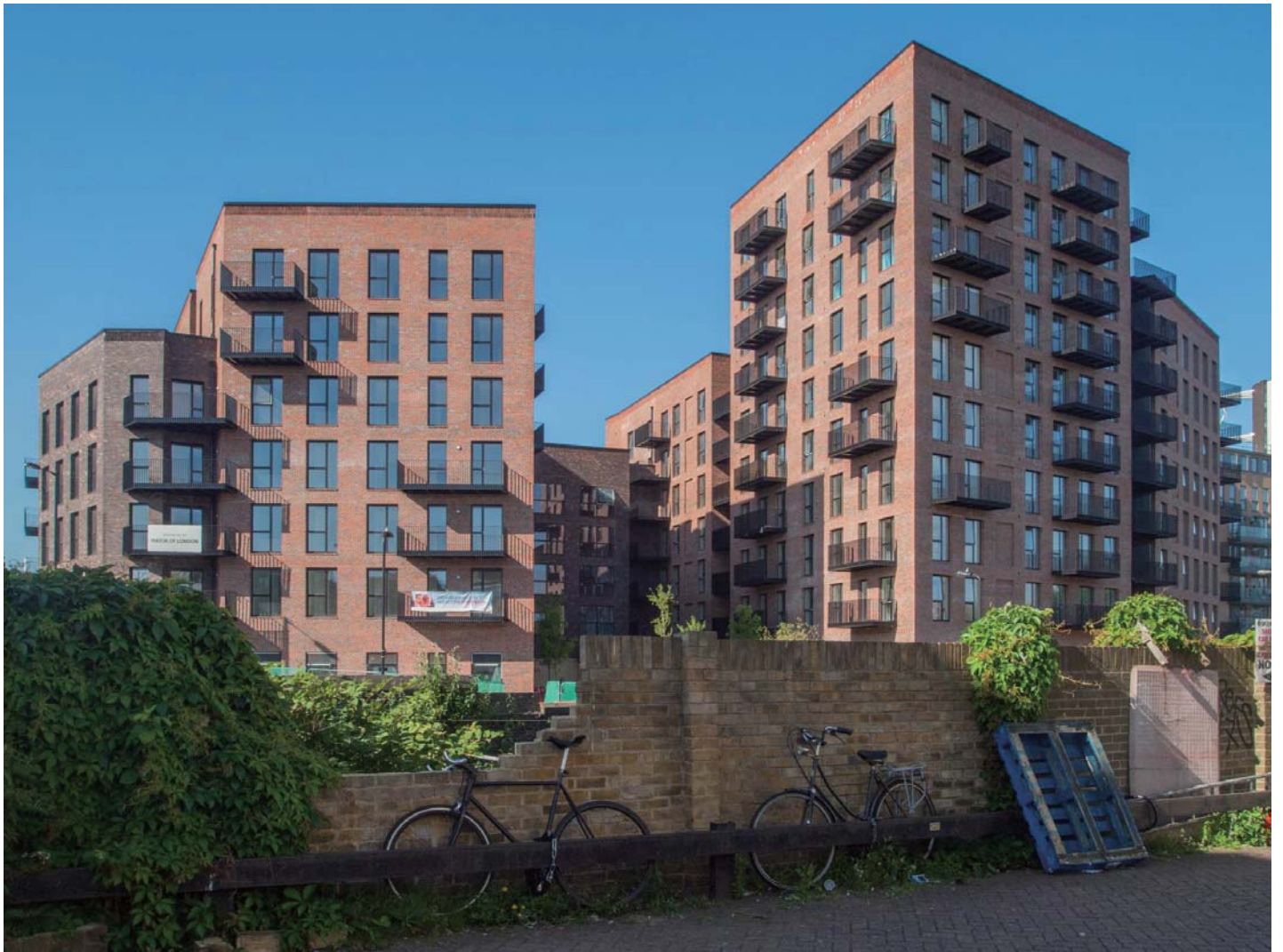
4,650m³ of CLT

2,400 trees

800 People

3 trees per person

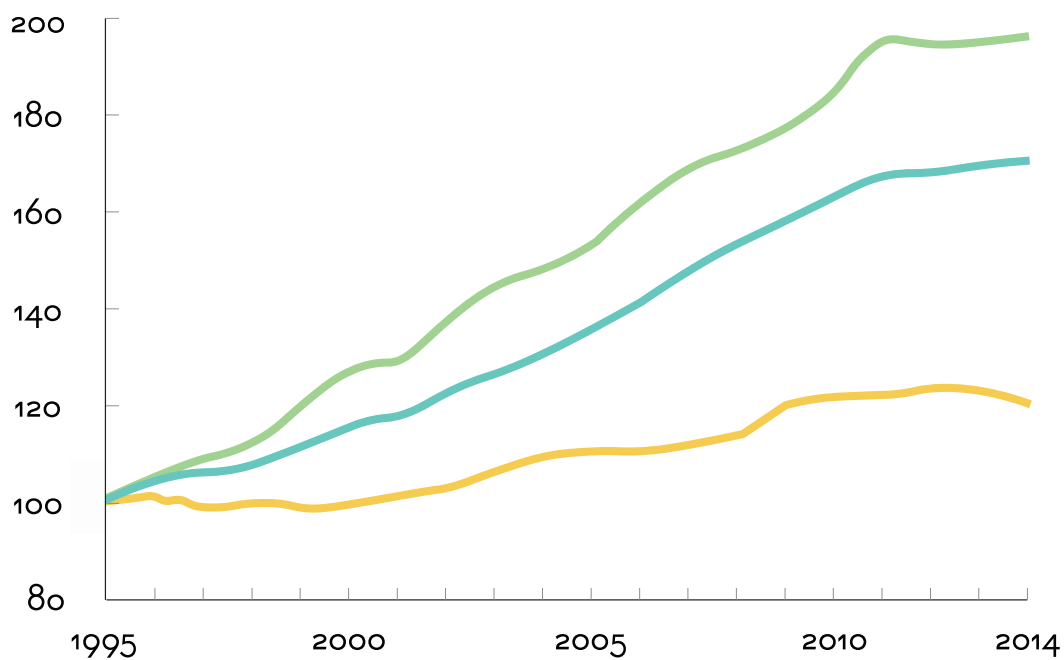
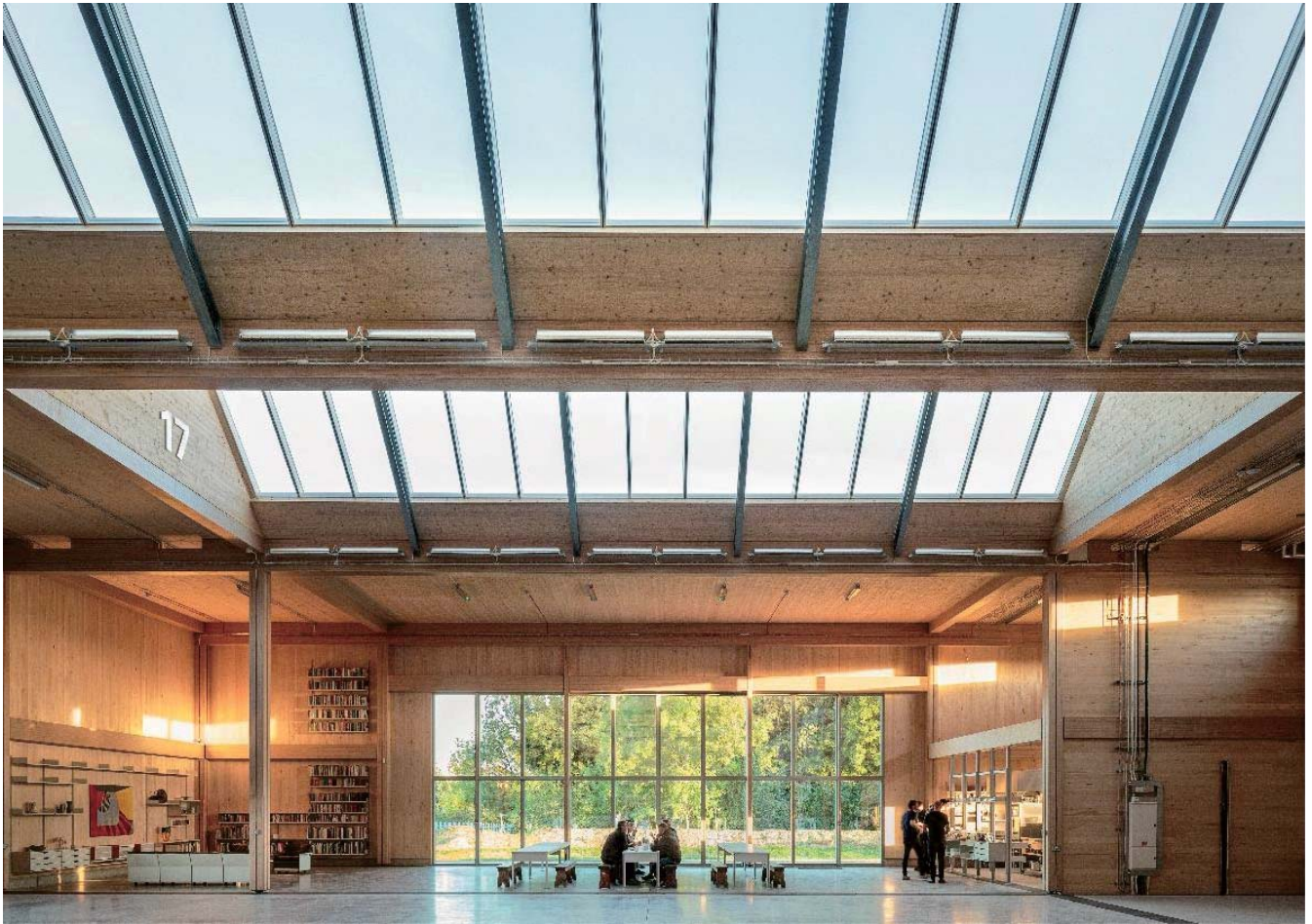




Vitsoe Factory

Beech glulam and CLT





- Manufacturing
- Total Economy
- Construction

Productivity
2017

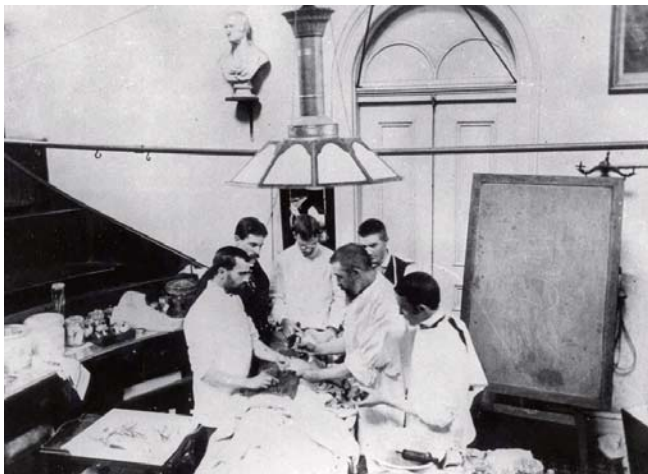


1921



Today

Farming



1894



Today

Healthcare



1870



Today

Manufacturing



1833



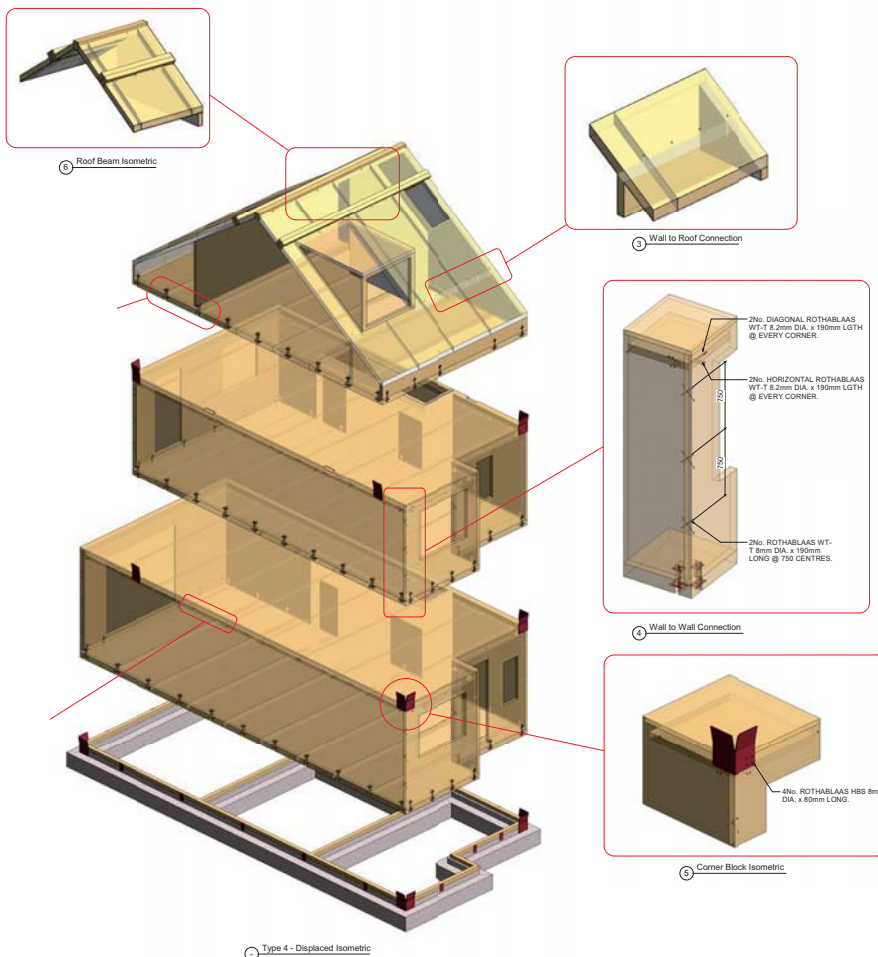
Today

Construction



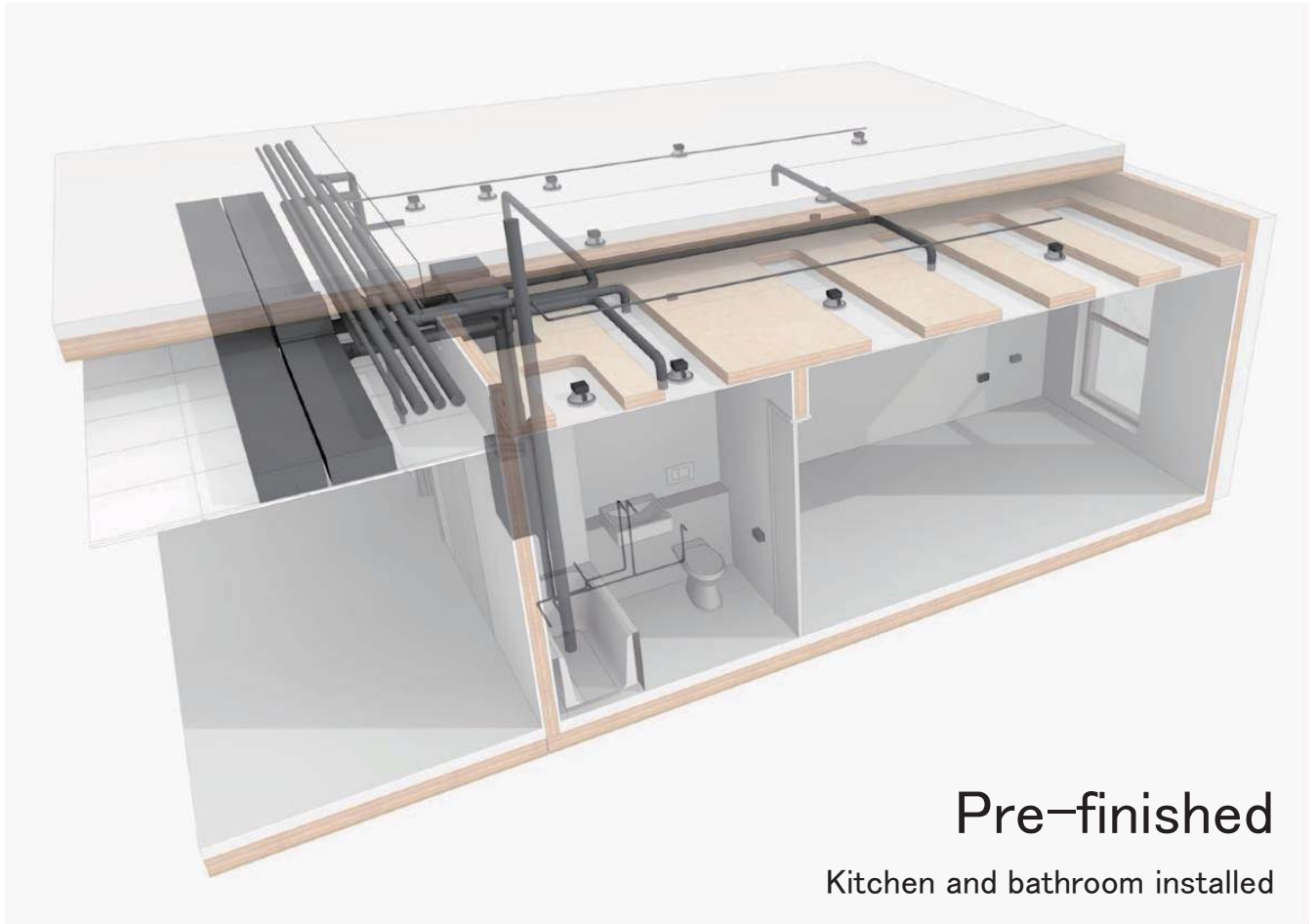
CLT modular housing factory

2017



5,000 Homes
Per year

Pre-fabricated
delivered to site





Mitsubishi GS platform

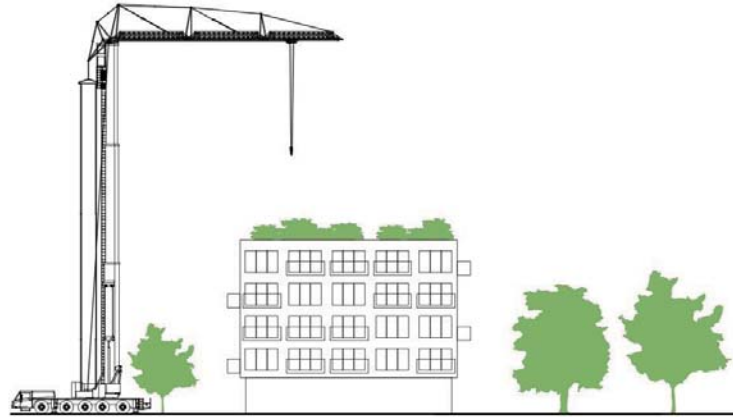
**1
PLATFORM**



**14 MODELS
ACROSS 6 BRANDS**



Prototypes



Low Carbon buildings

Replenishable material



Healthy buildings

Rural economies



Beautiful buildings

Firm, functional, and delightful



Repeatable process

Introduction of choice



A construction revolution

2017

