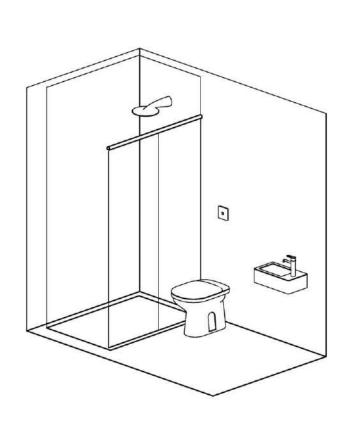
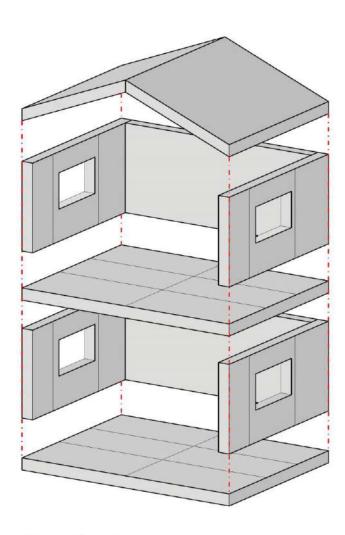


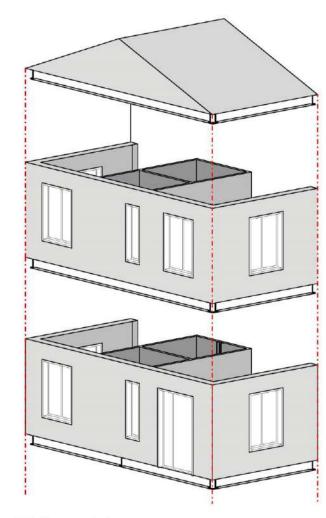
#### Off-site construction



**Elemental**Bathroom, kitchen, services pods etc

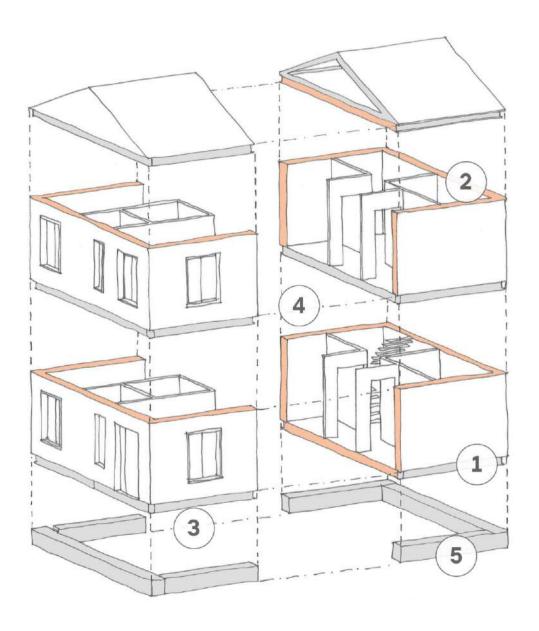


Panelised
Timber SIPS, timber panels,
CLT, pre-cast concrete panels



**Volumetric** Steel/timber, CLT, Timber

#### Modular



#### Volumetric construction - Good practice

- 1 Steel / timber structure.
- 2 Insulation installed in factory, so quality assurance is easier, but only as good as quality management and design.
- Max dimensions constrained by transport size, typically 3.6m x 8m, and up to approx. 5m x 14m if specialist transport used.
- 4 Airtightness can be more easily monitored in factory, but damage must be limited in transport and site installation when external membrane is sealed.
- 5 Pre cast foundations laid on site with co-ordination of incoming services and no thermal bridging



# Laindon Town Centre Masterplan layout



# Laindon Town Centre Building design / appearance





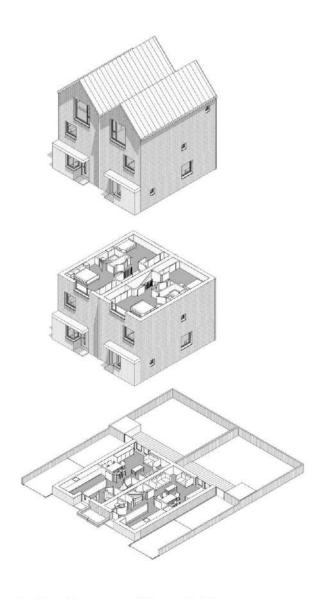




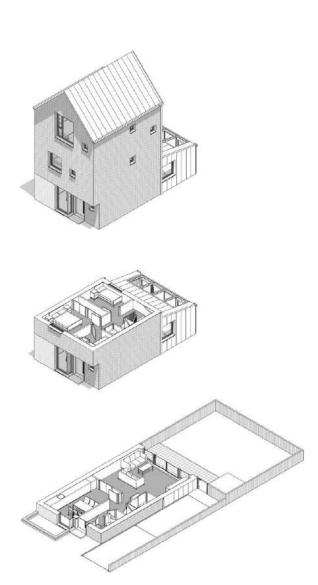




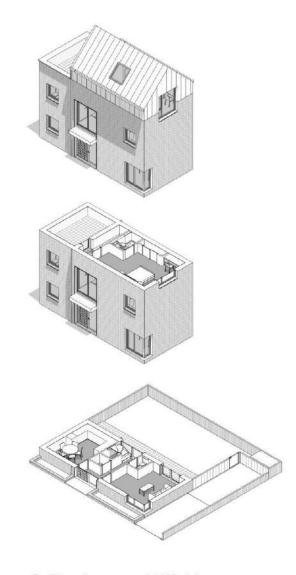
## **Laindon Town Centre** House types



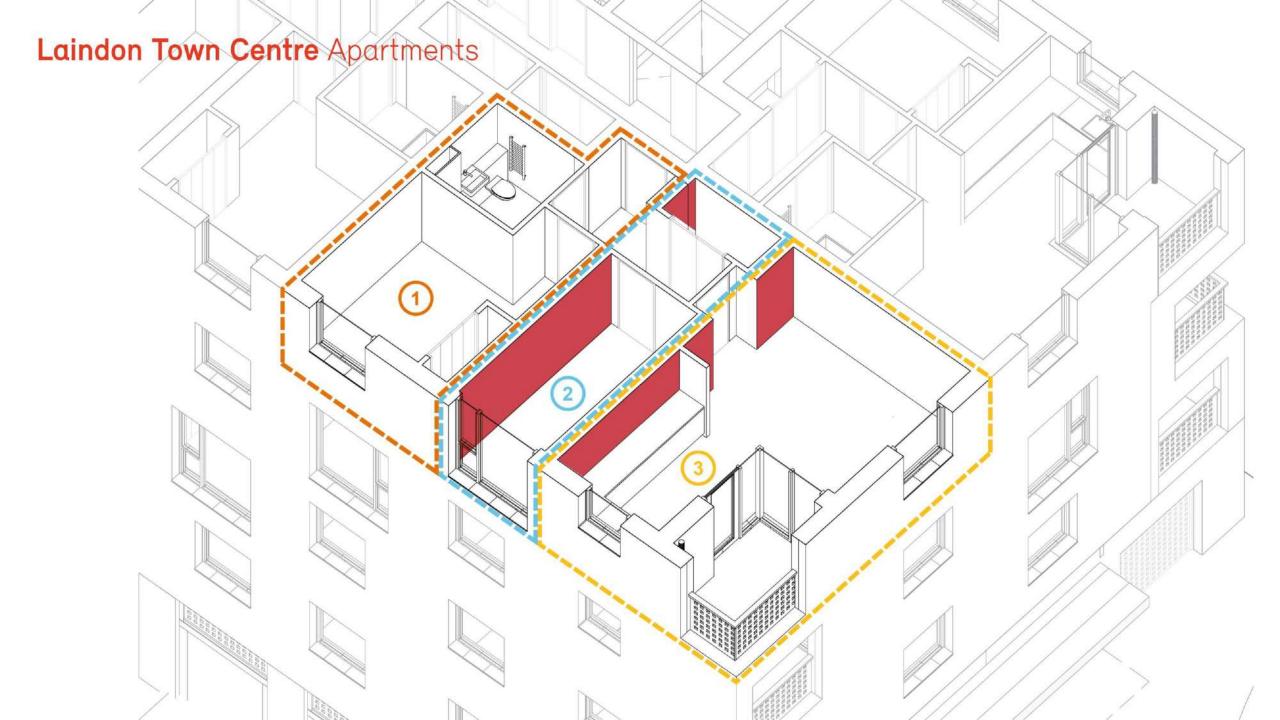




4 Bedroom Parkside House



3 Bedroom Hill House



### Laindon Town Centre Geography





# Beechwood West Masterplan layout



#### **Beechwood West** House type families



#### STREETS

- · LANE
- 2 BED TERRACE
- 3 BED TERRACE

#### **AVENUES**

- AVENUE DETACHED
- AVENUE SEMI-DETACHED

#### **GREENS**

- PARK CORNER
- PARK TERRACE
- · FRYTH HOUSE

### **Beechwood West** Material palette



1 Red Brick



2 Buff Brick



4 Painted Brick









6 Brindle Mix Clay Tile

#### Beechwood West House type concepts





START WITH TRADITIONAL ROOF FORM

**IDENTIFYING** 



INTRODUCE NEIGHBOURHOOD CHARACTERISTIC



ENTRANCE



EXTEND TILE DOWN TO ADD ARTICULATION TO SOME UNITS ANIMATE ELEVATION









INTRODUCE NEIGHBOURHOOD IDENTIFYING CHARACTERISTIC



ADD RECESSED ENTRANCE

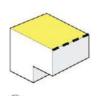


ADD OPTIONAL CHIMNEY (IF SELECTED)



ADD ARTICULATION TO ANIMATE ELEVATION

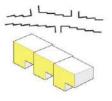




START WITH MONOPITCH ROOF



INTRODUCE NEIGHBOURHOOD IDENTIFYING CHARACTERISTIC ROTATE TYPE IN PLOT



ROTATION CREATES STAGGERED BUILDING



ADD ARTICULATION TO ANIMATE ELEVATION





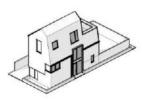
START WITH TRADITIONAL ROOF



INTRODUCE NEIGHBOURHOOD IDENTIFYING CHARACTERISTIC



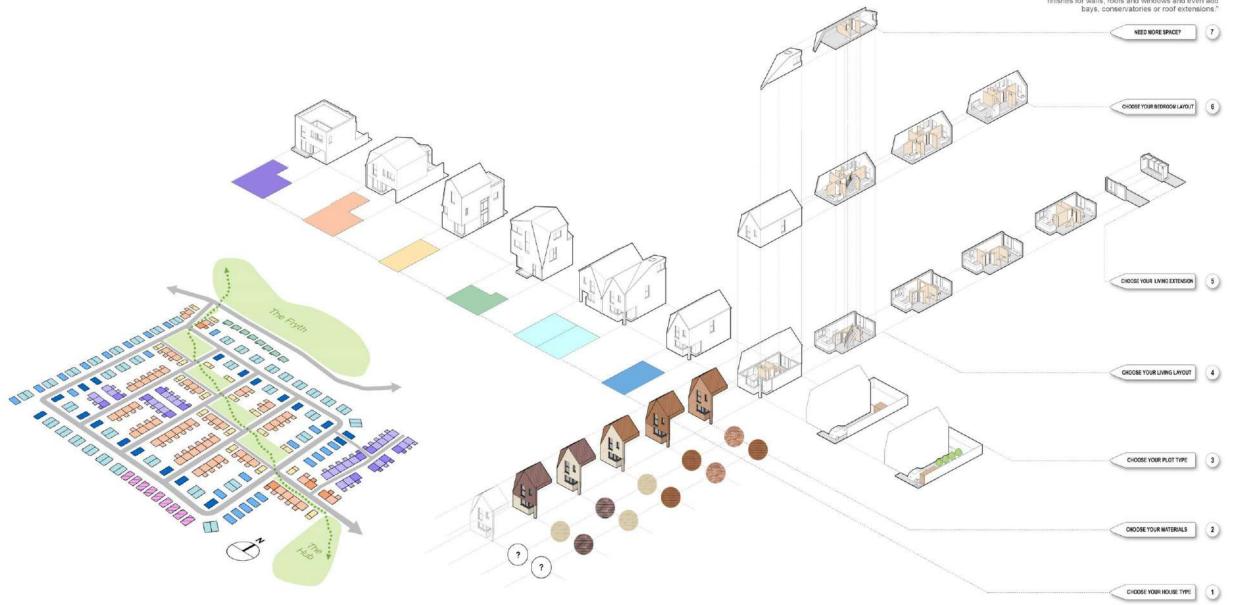
BRING LIGHT INTO THE HOUSE WITH CENTRAL GLAZED CIRCULATION



ADD ARTICULATION TO ANIMATE ELEVATION

#### Let's build your new home...

"Starting with the basics - number of bedrooms, arrangement of the downstairs and upstairs plans and the level of specification; residents can then choose from a carefully selected palette of external finishes for walls, roofs and windows and even add bays, conservatories or roof extensions."



# **The Linked Green**Baseline Scenario



# **The Linked Green** Customised Scenario 1

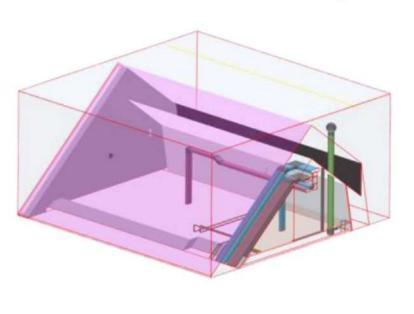


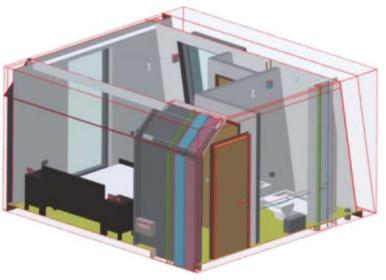
#### The Linked Green

Customised Scenario 2







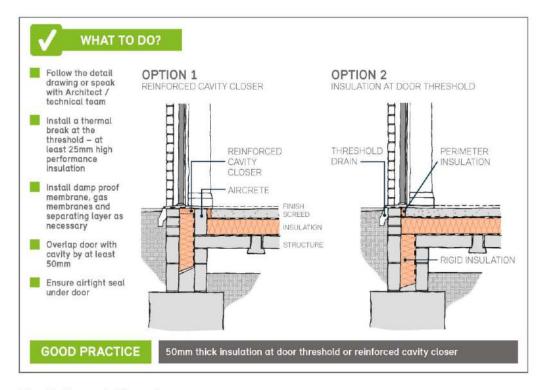


#### Measuring performance









Measuring building performance

Builders' Book

PTE-authored guide to best practice sustainable building construction

Residents at Priory Road

Post-occupancy video screened at the 2014 Royal Academy Summer Exhibition

