Contents

Residential  4-5
Education   6-7
Healthcare  8-9
Elderly Care 10-11
Penoyre & Prasad are designing for modular and offsite construction across a range of sectors, working with a number of different manufacturers and construction techniques. Behind all of these is a need to design in a disciplined and regular manner, focussing on a minimum number of variant modules to provide maximum flexibility and choice in layout.

Different sites require different solutions. Our modular designs provide for a wide choice of external materials, fenestration and building form to suit sites and their often demanding planning constraints. Access to sites also place different constraints on volumetric module size. Our flexible design approach using 3d BIM modelling working closely with manufacturers is responsive to this and other important technical requirements.

All of the material on the following pages is strictly copyright Penoyre & Prasad LLP and may not be shared or reproduced without express written permission.
Residential

— Modular solution using variants of room layouts in different arrangements to provide a number of house types and sizes.

— Low energy, low impact, swiftly erected houses as part of a wider ecology led masterplan promoting physical and mental well being with environmental responsibility

— Large module size made possible through proximity of factory to the site

Typical module layout for ground floor and upper floors

Neighbourhoods with a variety of house sizes made up of different configurations of modules to provide 2, 3 and 4 bedroom layouts

Dwellings on site
Education

- Providing fully compliant primary school accommodation for whole school renewal or teaching space to extend existing schools
- Robust and enjoyable learning spaces with excellent daylight, ventilation and thermal performance for large and small class and group sizes.
- Modular solutions for very different sites, new and existing schools in often sensitive locations.
- Fully integrated building and M&E solutions developed as holistic technical solutions

Plan of single storey one form entry primary school

Entrance view

A 2 storey 2 form entry primary school made up of modules arranged longitudinally to efficiently accommodate a range of teaching and other spaces along with pre installed heating and ventilation
Healthcare

- Adaptable layouts for primary care capable of bespoke arrangement on different sites and different healthcare needs.
- Efficient layout minimising circulation and allowing patients and staff to operate in safe and well equipped environments.
- Construction allowing for high levels of acoustic separation and privacy using robust and sustainable materials choices and specification.

Ground Floor plan of a typical 2 storey GP surgery

Example of a 2 storey primary care centre made up of repeated consulting room, meeting room, service and circulation elements all capable of organising in a number of configurations to suit site and client’s brief
Elderly Care

- Modular application to elderly care home and extra care housing.
- High quality factory build providing high quality bedroom and ensuite modules configured with modules containing communal and service spaces
- All necessary spaces configured from 7 module types
- Building on one, two and three storeys stepping down towards neighbouring houses and providing a combination of pitched and flat roofs with safe terraces for residents

Ground floor plan of an 80 bed care home in courtyard layout

Whole care home made up of seven module types configured to provide varied layouts in clusters of 10 en suite bedrooms and communal areas