

## Project Profile :: Healthcare

### The Crystal Centre, Chelmsford, Essex

Client: North Essex Mental Health Partnership NHS Trust

Architect: The Design Buro

#### Scott White and Hookins' Role:

 Structural Engineering

 Civil Engineering

Scott White and Hookins provided civil and structural engineering services from the outline business case to completion for this £10 million older adult unit. The building provides a safe and secure environment for assessing the needs of people experiencing dementia and providing short term care .

Scott White and Hookins approached the structure as a traditional domestic building and proposed using a load bearing masonry construction on mass concrete strip footings with a trussed rafter roof. Due to the non parallel layout of the corridor walls isolated steel members were introduced to support the roof trusses thus reducing the costs involved in the roof construction.

Scott White and Hookins worked closely with the environment agency and the water authorities in order to provide a sustainable drainage solution for the surface water discharge from the site.

Following the appointment of the P21 contractor Scott White and Hookins were involved in the value engineering process resulting in completing the project on time and within budget.

