

The Sainsbury Wellcome Centre

The Sainsbury Wellcome Centre represents a partnership between the Gatsby Charitable Foundation and the Wellcome Trust to establish a new Research Centre in Neural Circuits and Behaviour at UCL.

The building, designed by architect Ian Ritchie, is currently under construction and will open in June 2014.

Location: The corner of Howland Street and Charlotte Street

Engineer: Arup

Constructor: Kier Construction

Precast Concrete, Supported by columns, it is 200 mm thick and made out of small components, I believe with the openings. It is covered with blue material which I think is used as a protection from heat or other damages.

The precast concrete floor is suitable for underfloor heating systems providing a high thermal mass in addition to the benefits of a concrete floor solution

Precast concrete floors also exhibit excellent fire resistance properties. The dense nature of the product eliminates possible fire spread through hollow cores.

Individual precast floor units are manufactured in the long line prestressed system minimizing costs and production time.

Openings for services, pipes and ducting can all be cast into the precast concrete flooring at manufacturing stage rather than cut out on site, ensuring better finish and less down time during construction.

The wet cast system also minimizes camber variations between precast units insuring a uniform suspended concrete floor.

The casting system also enables the manufacture of special width floor planks cast to size rather than cut down from stock as is typical of traditional hollowcore flooring systems

The aim of the Trust is to "achieve extraordinary improvements in health by supporting the brightest minds"

