jestico + whiles

NÁVRH ŘEŠENÍ FASÁDY A SÁTEN | ZÁKLADNÍ ŠKOLA V ČERNOŠICÍCH

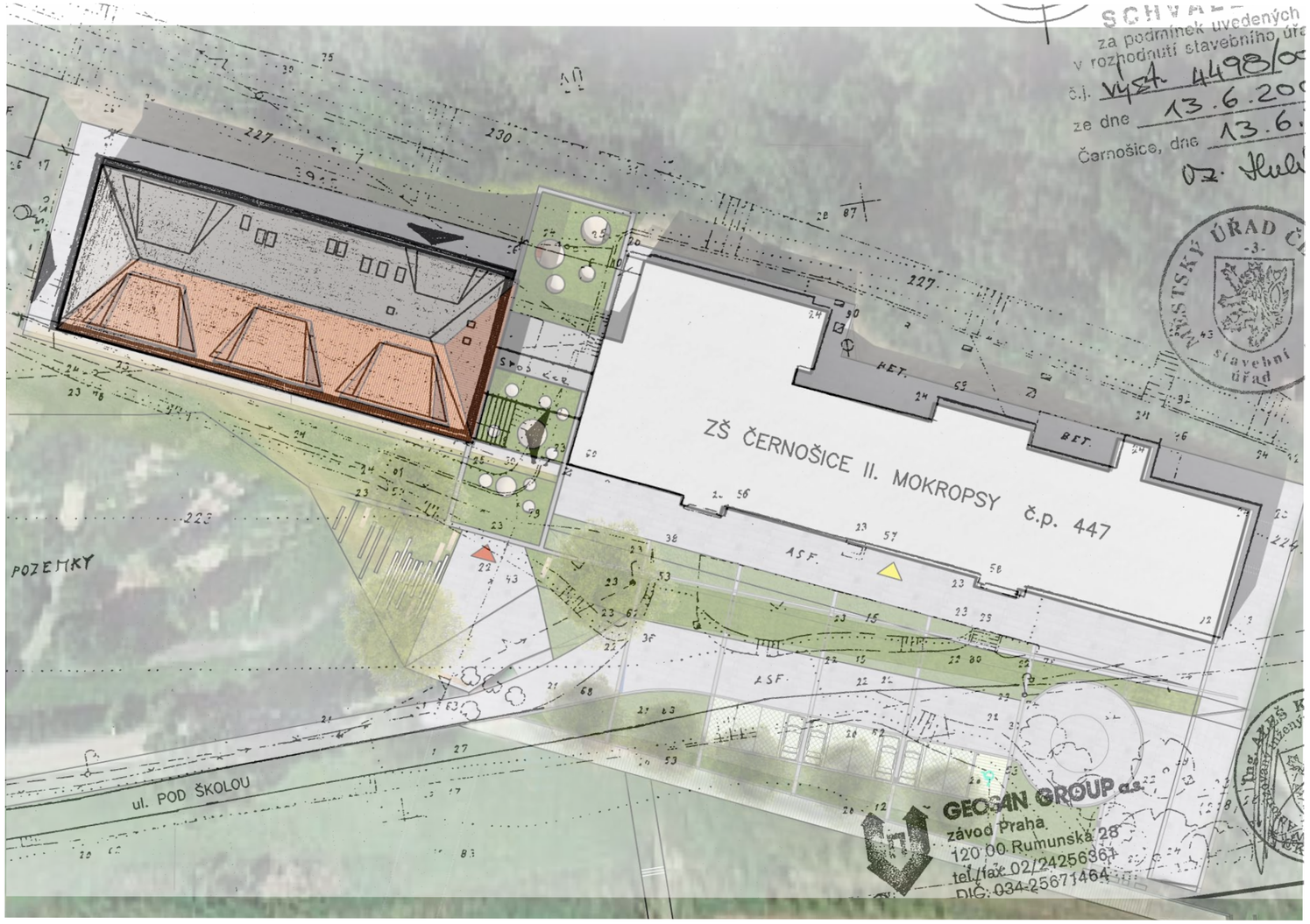
SITUACE

Situace

1:500

HLAVNÍ VSTUP DO ŠKOLY

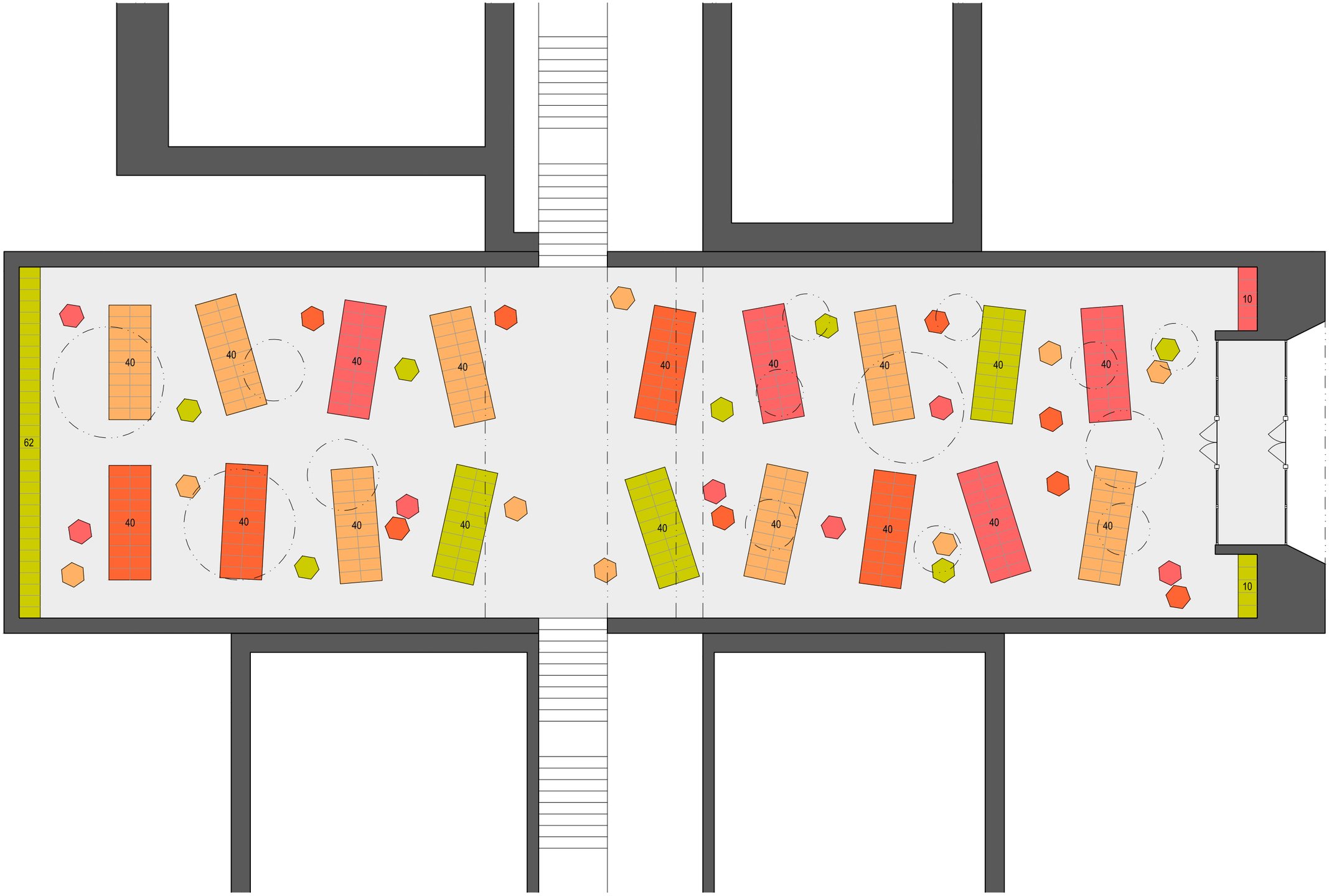
VSTUP PRO ŽÁKY DO ŠATEN



NÁVRH

Půdorys vstupu a šaten

1:100



Pohled

1:200

BARVA FASÁDY - WEBER B100

BARVA SOKLU A DETAILU - WEBER SE3C

BARVA OKEN NA NOVÉ BUDOVĚ - RAL 7024

Vizualizace

Vizualizace

REFERENCE

jestico + whiles

Stoke Newington School

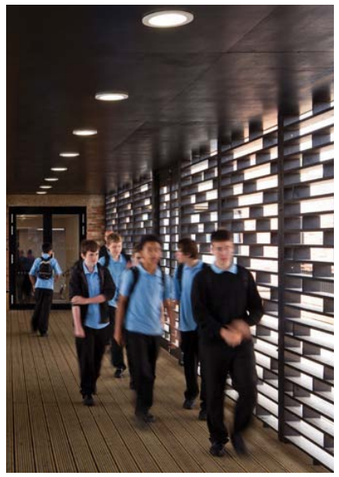
Location: **London, UK**
Client: **London Borough of Hackney**

Stoke Newington School and Sixth Form is a successful inner city secondary school in Hackney, London with a specialism in media arts and science. It has been redeveloped as part of the Hackney Building Schools for the Future programme. The redevelopment comprises 20 per cent new build and 80 per cent refurbishment. The original building suffered from long term neglect, including poor ventilation, confusing circulation and limited disabled access and the design of the new and refurbished building provides modern and flexible learning spaces with a strong emphasis on design quality, innovation and sustainability. The three key new-build additions include a new entrance building of additional teaching accommodation, a dining hall, and a link at second floor level which resolved a number of circulation issues.

A new central 'street' running through the centre of the original school provides clearly defined circulation routes and simplifies the understanding of the original building layout, with the new dining hall at its heart. The new entrance building is a bold, three storey addition with a secure and welcoming entrance / reception and a landscaped entrance plaza. The building has been designed to integrate sympathetically with the original 1960s Brutalist architecture and to provide a contemporary feel. The cladding to the new entrance building is made of striking Cor Ten steel panels which provide robustness and complement the red brick and bush-hammered concrete of the original school building. The elevation features elegant offset strip windows raised above black glazed brick at the entrance.

Stoke Newington School

Location: London, UK
Client: London Borough of Hackney



Winner
RIBA Award 2011

Clapton Girls' Academy

Location: London, UK
Client: London Borough of Hackney

Clapton Girls' Academy is a successful inner city secondary school with SpecialistTechnology status, and is part of Hackney's Building Schools for the Future programme. Consisting of 40 per cent new buildings and 60 per cent refurbished buildings, the design provides an enhanced physical environment with particular respect to the historic architectural features of the original Edwardian "Pankhurst" Building on the site. Most notably the grand staircase has been restored and the entrance hall transformed to provide a much more welcoming a generous space.

The design resolves overcrowding and circulation problems by successfully strengthening movement between the new and existing buildings. The use of warm and contemporary natural materials such as brick, timber and glass to the new build elements are sympathetic and respectful to the existing buildings. Elegant solar shading has been designed to the new build façades, to echo the horizontal projections of the existing dormer windows of the main Edwardian building. Sustainable features have been used throughout the design including highly insulated walls, integrated solar protection, exposed thermal mass, natural ventilation, sedum roofs and daylight responsive lights. As a result, the design of the school has been awarded a BREEAM rating of 'Good'.

Winner
AJ Retrofit Awards 2012
Hackney Design Awards 2010

Passmores Academy

Location: Essex, UK
Client: Willmott Dixon Construction Ltd

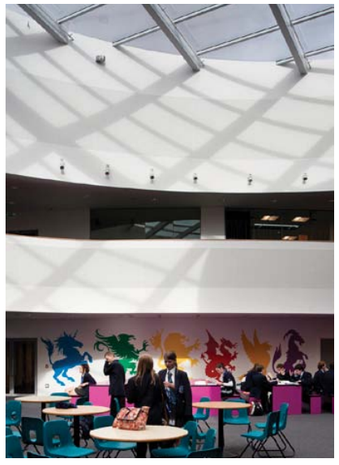
Passmores Academy, for Essex County Council, accommodates 1200 students in six learning areas. The two-storey radial design, conceived in response to the ethos of the school, has a gathering place at its heart. It provides a flexible learning environment and a number of sustainable features.

The naturally-ventilated building uses biomass boilers as part of its heat source. Clad predominantly in timber, it also incorporates a brown roof and night-time cooling. It achieved a BREEAM for Schools - 'Very Good'.

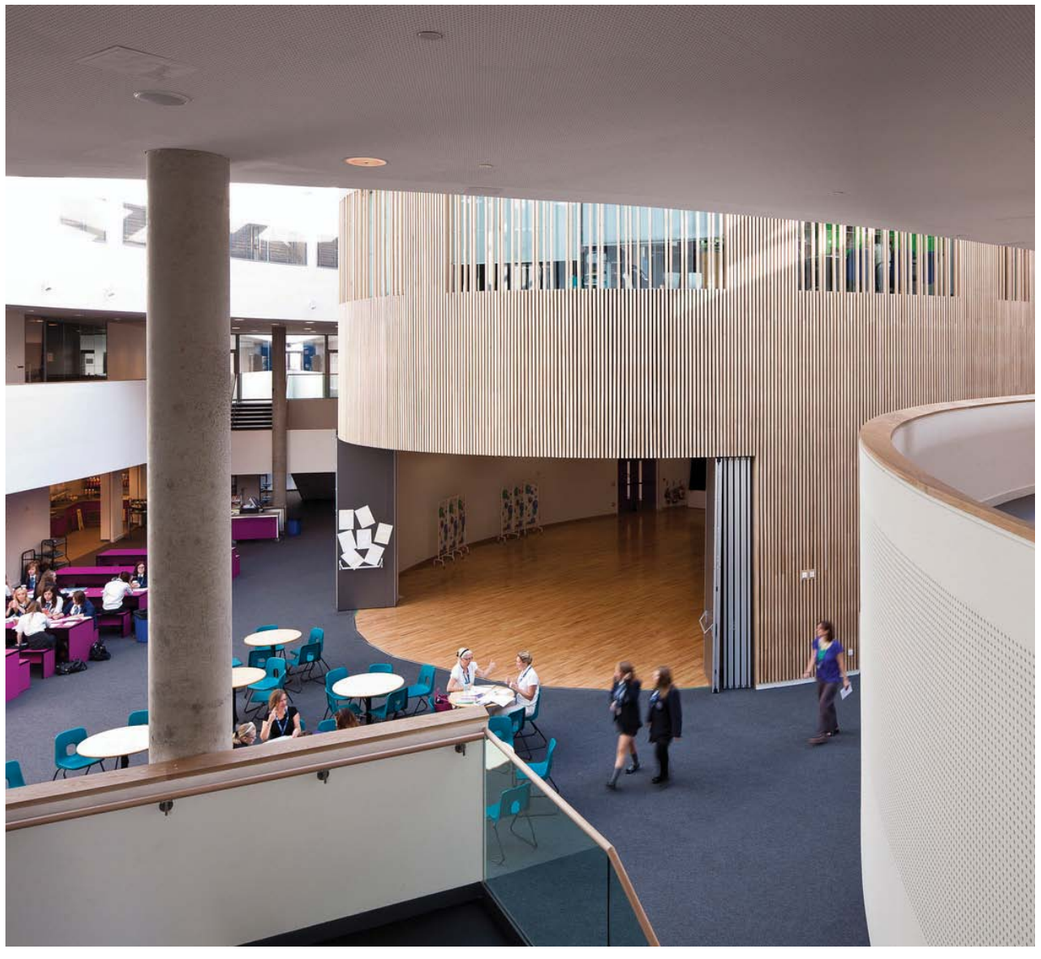
The scheme has been classed by the Essex Design Initiative (EDI) as an 'Exemplar' project. This is the first project produced with Essex County Council funding that has been awarded in this way since the launch of the programme in Summer 2008.

"It really is quite incredible. It is state of the art, everything designed for the advancement of pupil attainment. Walking round, it reminded me of the Star Trek Enterprise, it is so futuristic. This school epitomises everything Harlow stands for: aspiration, inspiration, achievement and excellence."
Hon. Robert Halfon MP

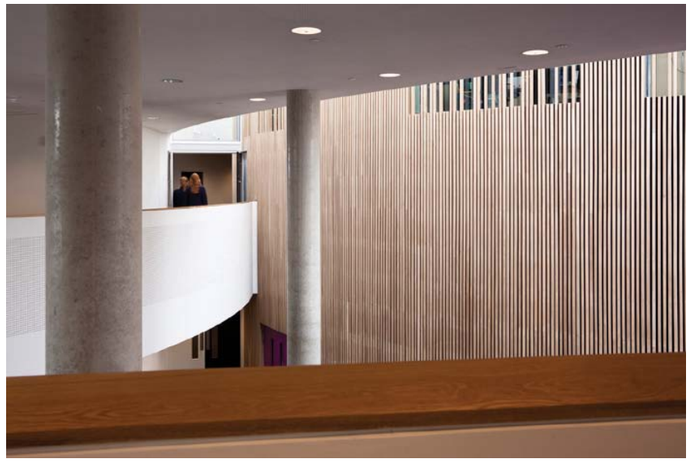
"You have produced a stunning design. Thank you for taking the time to get to know us and for delivering something we can all be proud of."
Vic Goddard Head Teacher



Passmores Academy



Location: Essex, UK
Client: Willmott Dixon Construction Ltd



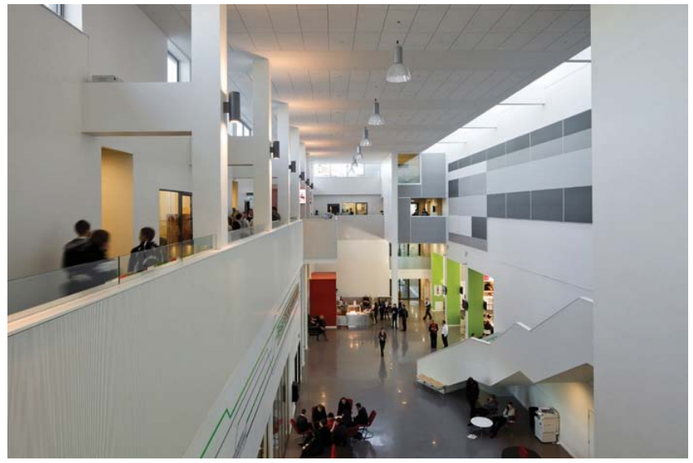
New Line Learning Academy

Location: Kent, UK
Client: New Line Learning Trust (Carillion)

New Line Learning Academy specialises in business, enterprise and vocational studies and is part of the New Line Learning Trust Federation of Academies. The design consists of Learning Plazas containing science laboratories, art studios, music rooms, a nursery and a sports hall, all arranged around a central atrium, named the Heartspace. This connects the Learning Plazas and provides maximum opportunity for breakout and flexibility. New Line Learning Academy is the first prototype to implement the Learning Plazas concept which provides inspiration for children through innovative design.

The Academy has been designed to have minimum impact on surrounding residential areas. In particular, the siting of the new school building has been screened from residential properties to the west and expansive views to the east. The large volume teaching blocks of the Learning Plazas have been designed as double-height spaces to promote natural lighting and ventilation. Offices have been deliberately located on the mezzanine levels to encourage supervision and a more intimate environment for teaching and learning. A proprietary framed aluminium curtain-walling system creates a random pattern to resemble patterns of natural mature foliage. A sophisticated lighting system within the plazas enables coloured lighting to be adapted to suit different teaching and learning environments.

Finalist
RIBA Awards 2011



New Line Learning Academy

Location: Kent, UK
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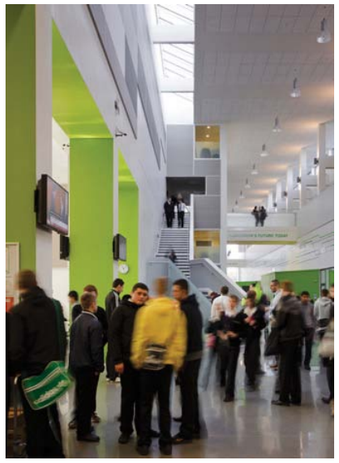


LSE Lincoln’s Inn Fields

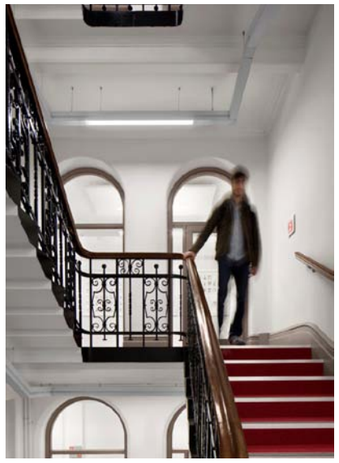
Location: **London, UK**
Client: **London School Of Economics & Political Science**

The London School of Economics and Political Science (LSE) is the world’s leading centre for the study of social and political sciences.

As part of the ongoing development plan for the LSE campus the School has purchased the Grade II listed Land Registry Building, 32 Lincolns Inn Fields. The building is located within the London Borough of Westminster and is included within the Strand Conservation Area. It is located on the south side of Lincoln’s Inn Fields at the junction with Serle Street and enjoys views over London’s largest garden square originally designed by Inigo Jones. The property comprises approximately 11,500sqm of internal space over eight storeys, with three principal facades. The building was constructed in the Edwardian period in two phases: the western and central portions of the building constructed in 1903-5 and the eastern portion was built in 1912-1913.

Jestico + Whiles’s design transformed this historic building into a major academic and teaching facility on the LSE campus. The upper five floors houses academic offices whilst the lowest three floors provides new teaching and student accommodation, including two Harvard style lecture theatres, cafeteria and break out spaces. The refurbishment has been sensitively carried out and a new single storey contemporary Entrance Pavilion has been constructed to cater for the student population.

Shortlisted AJ Retrofit Award 2013



LSE Lincoln’s Inn Fields

Location: London, UK
Client: London School Of Economics & Political Science

National Graphene Institute

Location: Manchester
Client: The University of Manchester

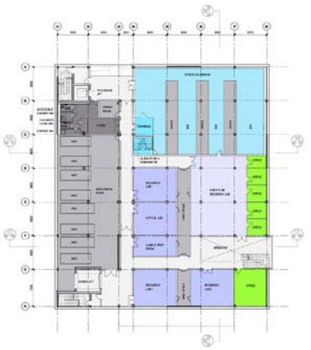
Jestico + Whiles was appointed as architects for the National Graphene Institute at the University of Manchester. The new facility will be a world-leading research and incubator centre dedicated to the development of graphene, helping to keep the UK at the forefront of the commercialisation of this revolutionary material.

200 times stronger than steel and just one atom thick, graphene is the strongest and thinnest material ever measured, and also the world's most conductive material. University of Manchester Professors Andre Geim and Konstantin Novoselov were awarded the 2010 Nobel Prize in Physics for their pioneering work on graphene and they are collaborating with the design team on the new facility.

The National Graphene Institute will include two separate cleanrooms, laser, optical, metrology and chemical laboratories, seminar room and offices and ancillary accommodation and is scheduled to open at the end of 2014.

The building is a compact 4 storey cube that occupies the full site foot print. The main cleanroom is located on the lower ground floor to achieve best vibration performance. Offices and labs are intermixed on all floors with most of the labs and all the offices having views and daylight. A top lit double height breakout space linking two floors provides welcome respite at the heart of the intense working environment. A roof terrace also forms part of the top floor social and public area.

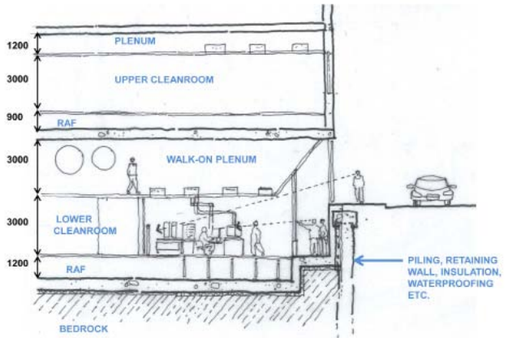
Lower Ground Floor



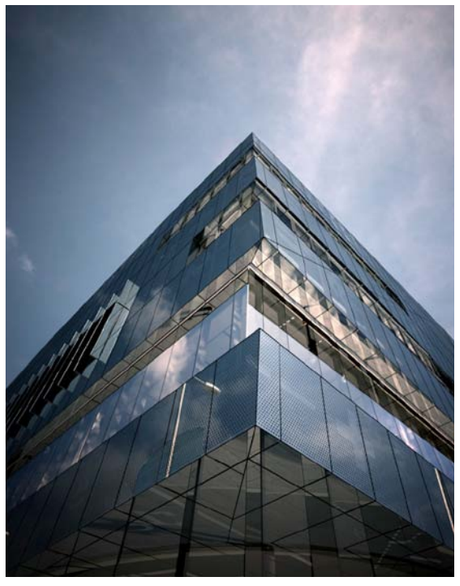
First Floor

National Graphene Institute

External viewing window



Section through cleanroom

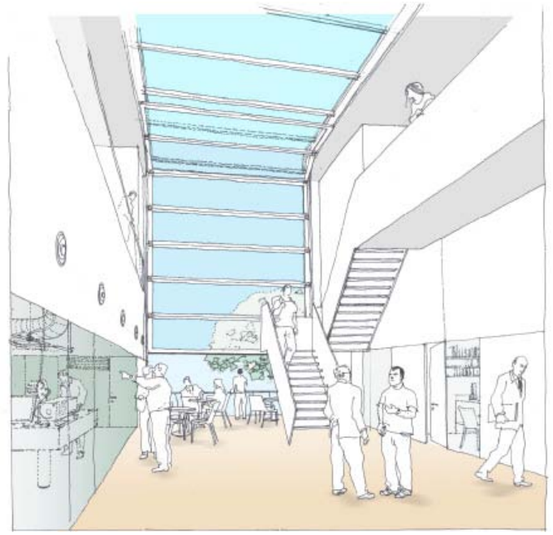


Location: Manchester
Client: The University of Manchester

The building is enclosed by an economic inner skin comprising a proprietary composite cladding panel system that provides weather tightness and thermal insulation and accommodates flush windows and other openings as required. Fixed to the outside of this inner skin is a separate perforated stainless steel 'veil' which wraps around the volumes of the different elements of the building continuously to provide a unifying texture and fluid shape. Cut-outs in the perforated steel provide clear views out from internal spaces and allow access for window cleaning via water fed extendable pole or cherry picker. Gantries are provided at 1st, 2nd & 3rd floors along the south façade for window cleaning purposes.

Led by EC Harris through the OGC Framework, the design team also includes CH2M Hill who is providing specialist architectural laboratory design services together with M&E consultant services, with Ramboll providing Civil and Structural services.

The eminent physicist Brian Cox has revealed that his favourite architect is Jestico + Whiles. Cox praised the practice for the New Graphene Institute.
Building Design



Double height breakout space

Southampton University Campus

Location: Southampton, UK
Client: Southampton University

Jestico + Whiles' scheme for the University of Southampton regenerates the heart of the university's principal student residences campus. Jestico + Whiles won the commission following a limited competition in which it was demonstrated that re-using the existing structure was financially feasible as well as ecologically advantageous.

The scheme provides 618 student rooms, 250 more than were present in the 1960s blocks. The accommodation comprises a new wing which creates a closure to the courtyards, a new floor on top of the existing buildings, and in the totally re-organised existing blocks. A variety of accommodation is provided –self contained studio flats for postgraduate students, ensuite rooms organised in clusters of six with shared kitchen/social room and clusters with shared kitchen and bathrooms. The buildings are integrated in the sloping landscaped setting, set above a wooded valley. We reversed the entrances of the buildings to face the main access route coming from the central university campus. New build splayed wings enclose the U-shapes, leaving an opening towards the south-west. This opening enhances daylighting and ventilation to the courtyards and defines the main entrance point. From each courtyard four staircases lead to individual flats. The hierarchy of external spaces, leading from public through communal spaces towards private rooms is essential to creating a sense of identity and ownership.

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architecture + **interior design** **london** + **prague**