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ARCHETECH

Turning Dreams into Reality

The Archetech magazine is an insightful information source for Architects, Architectural Technologists and Interior Designers. We feature lead stories on current projects, industry news and case studies so that our readers have the opportunity to keep up to date in the ever changing world of architecture and design.

Archetech offers architectural and design services to all those who are initiating, planning and implementing projects. Whether you're an interior designer, architect, technologist, developer or builder who is searching for inspiration for the next project, Archetech hosts the latest products, case studies and services to meet those needs.

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If you've recently finished a project, conversion or renovation, why not submit it to our Editor in Chief for a chance to be featured in our next issue! Email antony@archetech-media.co.uk with details of your latest project.

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Maggie's Leeds by Heatherwick Studio, Leeds, United Kingdom

Photo: Hufton+Crow

ARCHITIZER ANNOUNCES SHORTLIST OF THE WORLD'S BEST ARCHITECTURE 2021

450+ GLOBAL A+AWARDS FINALISTS SPOTLIGHT ARCHITECTURE FOR A CHANGING WORLD

Architizer announces 2021 shortlist for its A+Awards, the world's largest and most democratic architectural awards program, which honors the best architecture and spaces from around the globe.

The 2021 program theme spotlights architecture for a changing world. With more than 5,000 entries from 100+ countries, the program's illustrious Jury has selected Finalists in each of the program's 94 categories. The 470 projects that made the cut achieved high marks across the judging criteria, which include points for form, function, and social and environmental impact.

This year's Finalists paint a compelling picture of what exceptional contemporary architecture looks like today, and reveal new ways in which architects are responding to the most pressing global challenges.



The Rajkumari Ratnavati Girl's School by Diana Kellogg Architects, Jaisalmer, India

Photo: Vinay Panjwani

“

This year's Finalists paint a compelling picture of what exceptional contemporary architecture looks like today, and reveal new ways in which architects are responding to the most pressing global challenges.

From pop-up medical clinics for COVID-19 treatment to educational centers for studying climate change to novel approaches to public housing, the 2021 Finalists reflect a collective desire to meet the needs of society through design.

The shortlisted projects all employ innovations to meet the unique needs of their users and stakeholders while showing unprecedented variety in program, geography, and formal design.

Select 2021 Finalists include:

Maggie's Leeds by Heatherwick Studio, Leeds, United Kingdom

The Rajkumari Ratnavati Girl's School by Diana Kellogg Architects, Jaisalmer, India

One Hundred by Studio Gang, St. Louis, United States



One Hundred by
Studio Gang, St.
Louis, United States

Photo: Tom Harris



Presence in Hormuz by ZAV Architects, Hormuz Island, Iran

Photo: ZAV Architects



Presence in Hormuz by ZAV Architects, Hormuz Island, Iran

St. Carolus Hospital Screening Facility by AT-LARS, Jakarta, Indonesia

Together Apart by Behin Ha Design Studio, Middelfart And Billund, Denmark

Stepping Park House by Vo Trong Nghia Architects, Ho Chi Minh City, Vietnam

He Art Museum by Tadao Ando Architect and Associates, Shunde, China

The Church by SKOLNICK Architecture + Design Partnership, Sag Harbor, USA



Together Apart by Behin Ha Design Studio, Middelfart And Billund, Denmark
Photo: Ard Jongsma



He Art Museum by Tadao Ando Architect and Associates, Shunde, China
Photo: He Art Museum

"It's a common cliché, but all submissions displayed the highest standards of design...great to see categories relating to the environment and new materials show such beautiful and thought-provoking work." Heinz Richardson (A+Awards Juror)

Selecting the shortlisted projects were some of the design industry's most renowned practitioners and thinkers, such as Alison Brooks (Principal & Creative Director, Alison Brooks Architects), Nader Tehrani (Founding Principal, NADAAA), Lesley Lokko (Director, African Futures Institute), David Benjamin (Co-Founder, The Living), and Tao Liu and Chunyan Cai (Founders, Atelier Tao+C). Other members of the A+Awards prestigious 250+ Jury Academy include luminaries from the fields of art, technology, fashion, media, business, and real estate.

The A+Awards is unique among global architectural awards not just for its diverse Jury — shortlisted projects are also judged by the voting public. With the aim to break architecture out of the echo chamber, each season Architizer invites design students,

“

The A+Awards is unique among global architectural awards not just for its diverse Jury — shortlisted projects are also judged by the voting public.

enthusiasts, building occupants, and the general public to vote for their favorite work. In 2020, over 400,000 ballots were cast.

“In a period of unprecedented global uncertainty, we want to remind the world how architecture and design impact people’s everyday lives. We are all deeply affected by the spaces that surround us, and these are our awards.” Marc Kushner (Architizer Founder)

In collaboration with its official partners The AIA, RAIC, v2com, Aesthetica, and Space, Architizer will announce the 2021 A+Awards Winners on July 7, 2021. Winners will be featured in Architizer: The World’s Best Architecture, the year’s definitive architectural guide, published by Monacelli.

Key Dates:

Launch: January 4, 2021

Finalists Announced: June 15, 2021

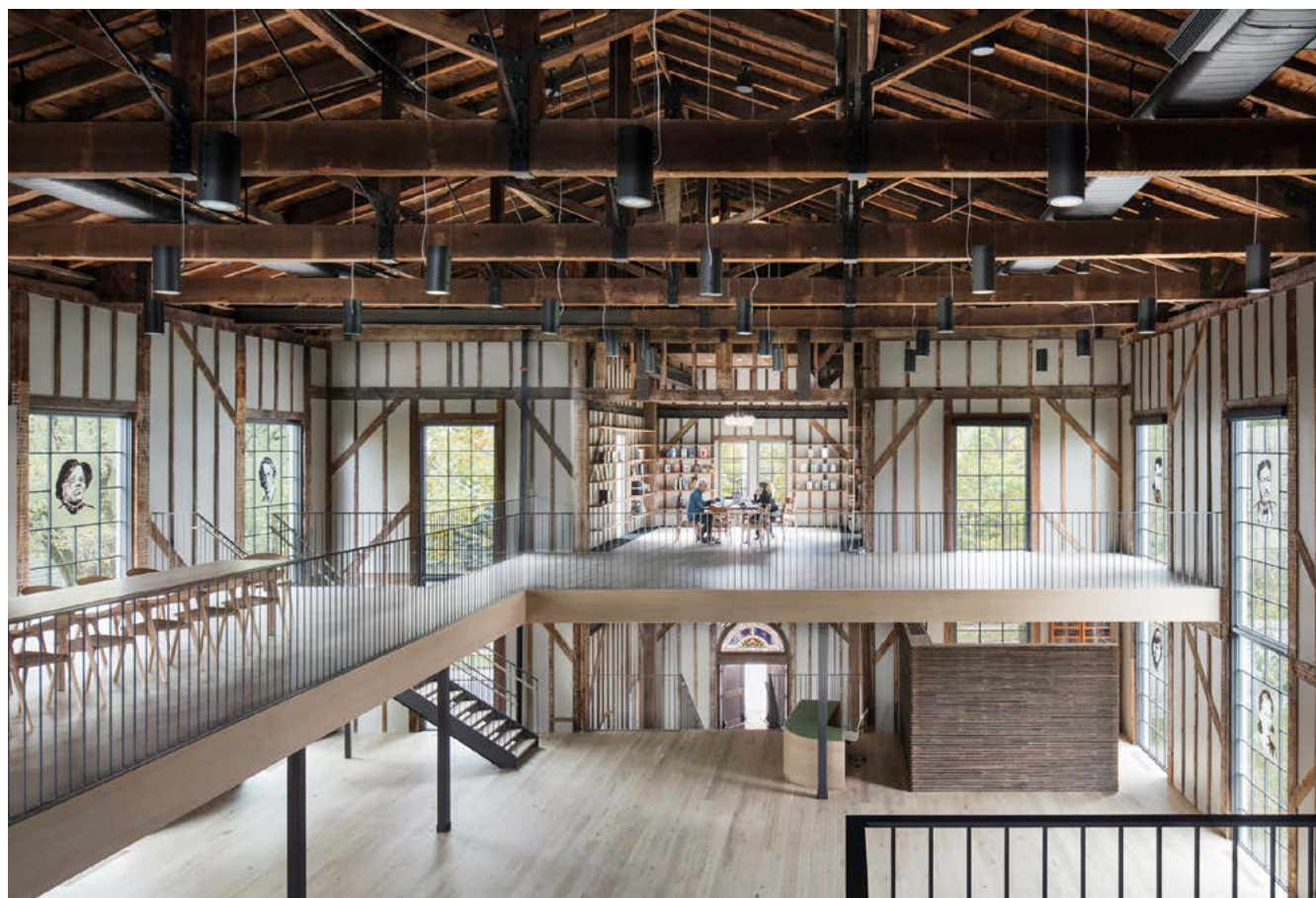
Winners Announced: July 7, 2021

www.architizer.com
winners.architizer.com/2021/



Stepping Park House by Vo Trong Nghia Architects, Ho Chi Minh City, Vietnam

Photo: Hiroyuki Oki



The Church by SKOLNICK Architecture + Design Partnership, Sag Harbor, USA

Photo: Scott Frances

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SIMONSWERK UK ANNOUNCE A NEW LONDON SHOWROOM

SIMONSWERK UK are delighted to announce the opening of a new London showroom at 45 Great Sutton Street in the heart of Clerkenwell. Conveniently located right in the heart of London's design district.

The UK is a key market for the SIMONSWERK Group with London being known for its trendsetting community of architects and designers who work on global projects.

The new London showroom has been created to provide our customers, architects, and designers with the opportunity to experience our products first-hand. The goal is to showcase our products and inspire and share our expertise, as well as to offer a meeting place to discuss projects, product demonstrations and CPD presentations. Ideally located just a short walk from Farringdon tube station. The showroom is nestled in the heart of a thriving design community near trendy restaurants and bars.

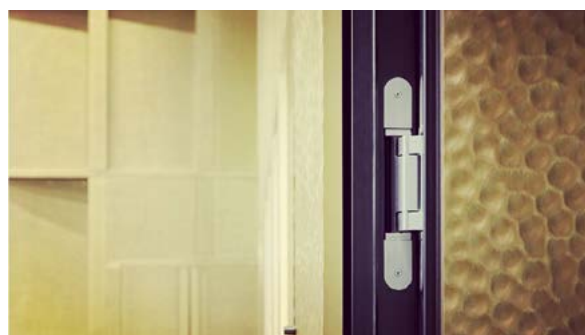
SIMONSWERK share the showroom with WILKHahn a leading German manufacturer of office furniture. The showroom is split over two levels where the entire TECTUS Concealed hinge system and the TRITECH solid brass product range will be available to see.

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NEW SMART HOME

COUNTRYSIDE COTTAGE REDEFINED WITH GIRA SOLUTIONS

Gira, one of the world's leading full-range suppliers of intelligent system solutions for commercial and residential property bring the latest technology to the Hampshire countryside, in a luxurious and sustainable cottage designed by Spanish architectural practice AMPS Arquitectura & Diseño.

Set in the beautiful landscape of East Hampshire, this new smart home in the village of Bentworth is designed with modern family-living in mind, which is brought to life with a range of premium Gira products also featured.

The team at AMPS Arquitectura & Diseño designed and built a modern summer house for guests and friends to enjoy next

to an existing farmhouse, creating a state-of-the-art property with a pitched roof, black timber cladding and a light and airy glass interior. Known as The Friends Lab House, the exterior is inspired by the simplicity of traditional barn architecture and stable blocks, while the interior is a minimalist, open-plan living environment.

Mark Booth, Managing Director, Gira UK says "We are committed to providing solutions which can enhance every home - whether it is a retrofit or a new build - so it is great to be part of this exciting project. Our practical and intuitive systems can be easily adapted to suit every household as a family's needs change, year by year, by virtue of our modular and future-proof approach.



As more and more people enjoy the benefits of smart home technology, they can enjoy greater energy efficiency and control of their environments all year around, ensuring that everything from home security and heating to lighting can be controlled remotely or at the touch of a button. Sensor technology is also becoming increasingly integrated into high-end developments so that presence can be detected instantly to initiate lighting scenes quickly, easily and touch-free - an important consideration in a multi-user environment when heightened home hygiene is increasingly under the spotlight."

Ensuring this rustic retreat enjoys the most up-to-date family-friendly technology, Gira include the following intelligent solutions:

Gira G1 - a compact, intelligent central control unit for the KNX system - the internationally recognised standard for wired bus systems - which operates all of the featured building technology in the Friends Lab. This includes the control and management of

lighting, blinds, climate and heating. The Gira G1 device includes an elegant user-friendly exterior which is designed with an impressive interface: so it not only looks attractive, it is also very simple to use. The high-resolution multi-touch display allows all functions to be intuitively operated with a touch or gesture just like you would with a smartphone or tablet.

Gira E2 Design Line - everyone can manage all the systems in the summer house, by using the remote Gira App or via the Gira E2 Design Line, which complements the contemporary interior design with its Pure White Glossy colourway and minimalist aesthetic.

Gira KNX Pushbutton Sensor 3 - the latest sensor technology controls lighting and blinds and ensures room temperature can always be comfortable. Guests in the Friends Lab can also use it to create the ideal ambience for a cosy dinner or movie night with mood scenes consisting of light, blinds and music.





Bedroom with integrated desk and large windows

Gira HomeServer - the on-board computer for the smart home, this is the intelligent mind of the Friends Lab which efficiently connect a vast range of technologies and functions – from lighting, blinds, heating and climate technology to ventilation, security and entertainment systems. The functions and connection possibilities are virtually limitless, and can be adjusted at any time to suit the owner's needs and lifestyle. A comprehensive security solution – implemented through the connection of external cameras and alarm systems – is just one example of what can be done.

The Friends Lab is the ideal location to unwind in one of Britain's most picturesque counties, with rolling countryside, National Parks and an impressive coastline. The house is clad in pre-fabricated cross-laminated timber with black-coated Accoya wood on the exterior and the roof. With floor-to-ceiling windows and a large open living room which extends to the south, the occupants can enjoy the view from every angle, as the pure and simple building design sits harmoniously within the landscape.

Inside the rooms are warm and inviting, with an abundance of chestnut wood, natural limestone flooring and Scandi-style furniture. The length of the cottage is broken-up by a large block containing a light-filled living room, with entrances to the north and south, and large expanses of glass to bring the outside in, all year around.

Two master bedrooms are located at end of the house for extra privacy with a corridor running the entire length. The children's

“ Inside the rooms are warm and inviting, with an abundance of chestnut wood, natural limestone flooring and Scandi-style furniture ”

bedrooms use the whole height of the property at 2.20m high, with specially designed sleeping platforms and play areas to have adventures. Every inch of the property celebrates stylish sustainable living with home comforts designed for maximum ease of use and efficiency. This includes dedicated desks, stairs used as shelves and partitions, and even a ballet bar with a mirror. The bathrooms are functional and eye-catching with colourful tiles and thoughtful lighting positioned above the baths and showers.

Architecture: AMPS Arquitectura & Diseño | 4º 17, Calle de Carranza | 28004 Madrid | Spain Tel +34 915 391 854 | estudio@amps.es | www.amps.es

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BALCONY DESIGN DETAILING

AVOIDING THERMAL BRIDGING IS CRITICAL

A thermal bridge is a localised area of the building envelope with significantly higher thermal conductivity than surrounding areas. Cantilevered balconies are the most critical thermal bridges and their presence results in a higher heat transfer out through the building and colder surface temperatures on the inside. The main consequences are higher energy consumption, non-compliance with Building Regulations and condensation. The latter leading not only to structural integrity problems, but the potentially serious occurrence of mould growth as well.

To meet Building Control requirements in England and Wales, it is necessary to demonstrate compliance with Building Regulations. The latest version of the Building Regulations Part L (2013, with 2016 amendments) and associated guidance document for residential construction Approved Document L1A (ADL1A) require that thermal bridging be included in the fabric heat loss calculations. However, despite the increasingly stringent standards for thermal performance and heat losses, many designers are still not fully aware of how significantly thermal bridges can compromise the value of the installed insulation.

THERMAL PERFORMANCE AND STRUCTURAL INTEGRITY

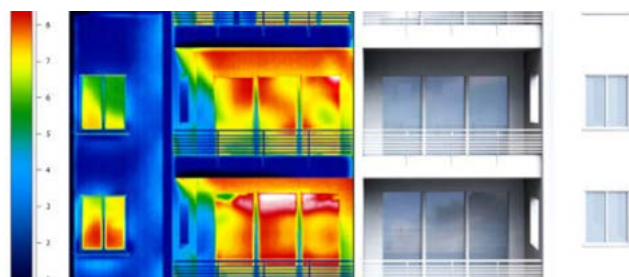
The most effective way to minimise thermal bridging at cantilever balcony detailing is to incorporate a load-bearing structural thermal break such as the Isokorb from Schöck. This minimises the flow of thermal energy between the interior and exterior of a building, providing both structural integrity and ensuring that the balcony is thermally isolated. To work effectively over a long period thermal breaks require certain physical characteristics. Thermal insulation with an optimum thickness for the particular application, load-bearing components and a combination of reinforced steel and stainless steel.

A wide variety of thermal break solutions are available from Schöck for applications as diverse as: concrete-to-concrete; concrete-to-steel; steel-to-steel; renovation projects – and even Passive House.

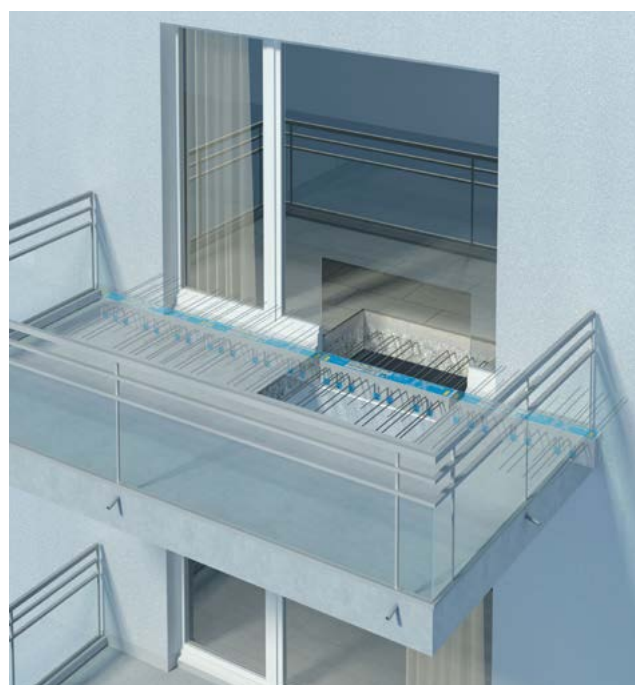
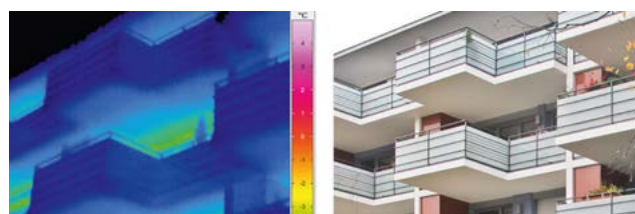
One consequence of thermal bridging is that surfaces can form condensation, causing visual deterioration and structural damage. However, an even bigger concern is mould growth. To identify areas where there is a risk of condensation and therefore mould growth, a 'surface temperature factor' (fR_{si}) should be used. It allows surveys under any thermal conditions and compares the temperature drop across the building fabric with the total temperature drop between the inside and outside air. Using the formula, the recommended value for offices and retail premises is equal to or greater than 0.5; and to ensure higher standards for occupants in residential buildings, equal to or greater than 0.75.

PASSIVE HOUSE NO LONGER A PROBLEM

Passive House uses highly energy-efficient building materials and preventing thermal bridging is essential. Until relatively recently, balconies posed a construction challenge for Passive



Above, with higher temperatures at the windows, doors and balconies. Below, with minimised thermal bridges and an even temperature distribution along the envelope



Typical installation of structural thermal breaks involving concrete-to-concrete

House design. Components penetrating the insulating outer shell of a thermally highly sensitive building demanded performance standards not achievable by thermal break products on the market at the time. However, innovative product development means that high specification 'Passive House certified' structural thermal breaks from Schöck are now available for many applications.

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U-VALUES

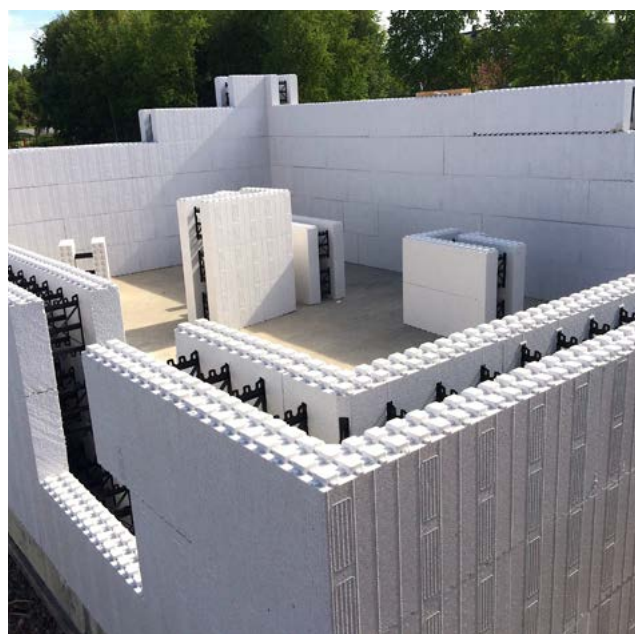
WHAT'S THE BIG DEAL?

If you have been involved in any type of new build or refurbishment project lately, you have probably heard about U-Values. But what's it all about and why does it matter?

The U-value is a measure of thermal transmittance through the fabric of a building, basically how well insulated it is. The lower the U-value, the better the building is at retaining heat within it, so the less energy is required to heat it (or cool it).

This is one aspect of improving the environmental performance of a building. Historically in the UK more emphasis has been placed on the use of renewable energy technologies to improve the green credentials of a building, for instance micro generation with wind turbines, solar panels and ground source heat pumps.

While these all have a role in helping meet the current environmental targets of the construction industry, their impact is reduced if the building fabric itself has a high thermal transmittance. Indeed the biggest gains in reducing CO2 emissions from buildings and also saving cost with regard to a



building's energy requirement are to be found in improving the fabric of the building itself – enhancing insulation and reducing thermal transmittance.

JACKON therefore very much welcomes the fact that the Government's new Future Homes Standard is adopting a 'fabric first' approach in its drive to secure cuts in emissions of up to 80%. This is set to be a key part of the construction industry's framework going forward, underpinning the planned green recovery of the housebuilding market in particular.

Achieving the lowest possible U-value is also a key criteria for a building to gain Passivhaus certification, since it is a requirement to achieve a 75% reduction in space heating requirements, compared to a standard UK new build.

Thermal transmittance, the U-value, is the rate of transfer of heat through a structure divided by the difference in temperature across that structure. The unit of measurement is W/m^2K . Workmanship and installation standards can strongly affect the thermal transmittance. If insulation is fitted poorly, with gaps and cold bridges, then the thermal transmittance can be considerably higher than desired. Thermal transmittance takes heat loss due to conduction, convection and radiation into account.

The U-value measurements can be calculated theoretically by considering the thermal transmittance of each layer of the building's fabric, and there is a calculation method included in the relevant British Standard BS EN ISO 6946: 2017. This takes into account any mortar joints in the construction and also fixing components which have the potential to cause cold-bridging. Post-construction measurements using sensors are however the most robust way of assessing actual U-values, since they

are able to take workmanship into account, as well as the actual materials themselves.

The current regulations aim for a target U-value of 0.18 for external walls as a starting point to achieve a well-insulated building envelope. Insulating Concrete Formwork (ICF) constructions have been achieving this target easily for years in their basic configuration, with no "add-ons", while other types of constructions have had to push their limits in terms of cavities, ties and expensive insulating material in order to achieve the existing levels of thermal performance.

The Future Homes Standard is up for further consultation, ahead of final implementation in 2025, but it is clear it will be a requirement for housebuilders to build well-insulated homes, in which on-site renewable energy sources cannot be used to offset inadequate insulation at the construction phase. The Government is proposing target u-values of 0.15 for external walls and 0.11 for floors from 2025, and there will be an initial uplift in Standards, coming into effect in June next year, via an amendment to Part L of the Building Regulations which sets the standards for the energy performance and carbon emissions of new and existing buildings.

JACKON is ready for these changes and is in fact arguing for them to be even more rigorous, by setting far more demanding air tightness targets. The new targets are not a problem, since JACKON's THERMOMUR 350 ICF in its standard EPS configuration achieves a U-Value of 0.17 W/m^2K . By using upgraded THERMOMUR 350 Super EPS that figure drops to 0.15 W/m^2K . The next step up is THERMOMUR 450 with a U-Value of 0.11 W/m^2K , which puts the building on course to become a Zero Carbon build.

www.jackon.co.uk





THE CENTRAL RING GALLERY

HEFEI, AN HUI PROVINCE, CHINA

A floating art gallery together with its large 'manmade nature' landscape surroundings creates an urban art utopia where art and artists meet the public. The place created by both the architecture and the landscape, is a highly welcoming and inclusive public space, where people can easily access, experience, and celebrate art while feeling inspired and enlightened.

BACKGROUND INFORMATION

The design was finished in 2008. 10 years later, the construction started and was completed by the end of July, 2019.

12 year ago, the CEO of the Central Ring Real Estate Group, found us after visiting poor folk artists in the rural area of An Hui province. Seeing so many outstanding art works stacked inside humble residences with no opportunity to be shown to the public, he decided to build an art gallery in a new urban district in the capital city of the province.

He envisioned this low density and low-rise art district to be the place where art and artists meet the public, to radiate its unique energy to the surrounding neighborhoods, and to become a must-visit attraction. To do so, the site must stand out from the backdrop of a typical urban jungle - high-rises.

CONCEPT

How do we turn this simple but idealistic goal into reality? After analyzing the site and its surroundings, which were totally vacant at the time, we decided to introduce a 'manmade nature' into this new urban area that will be typically occupied densely by tall buildings and super wide motorways according to the planning. We believed that no one who lives in the city would refuse a land of idyllic beauty – a land full of cherry blossoms may have a better chance to be more attractive than a tall concrete forest. We wanted to create a micro-climate characterized by art and nature, or an urban oasis with an art utopia within it.

“

Positioned at the point where a pedestrian shopping street ends from across the road, the gallery building invites people in and engages them with a pleasant journey with art.

Such invaluable setting of nature becomes a stage to accommodate art and art activities. Art and nature, though independent from each other, juxtapose, flow, connect and fuse with each other at the same time. In the spring time during the flowering period, activities such as special art festivals can even give the place a one-of-a-kind signature, which attracts people near and far.

The main expected activity on site is promenading, through which people can enjoy and contemplate art and nature on multiple levels. The gallery in turn is not an isolated inward-looking art container. Together with the settings, it becomes a welcoming and inclusive public place, where people can easily access, experience, and celebrate art while feeling inspired and enlightened.

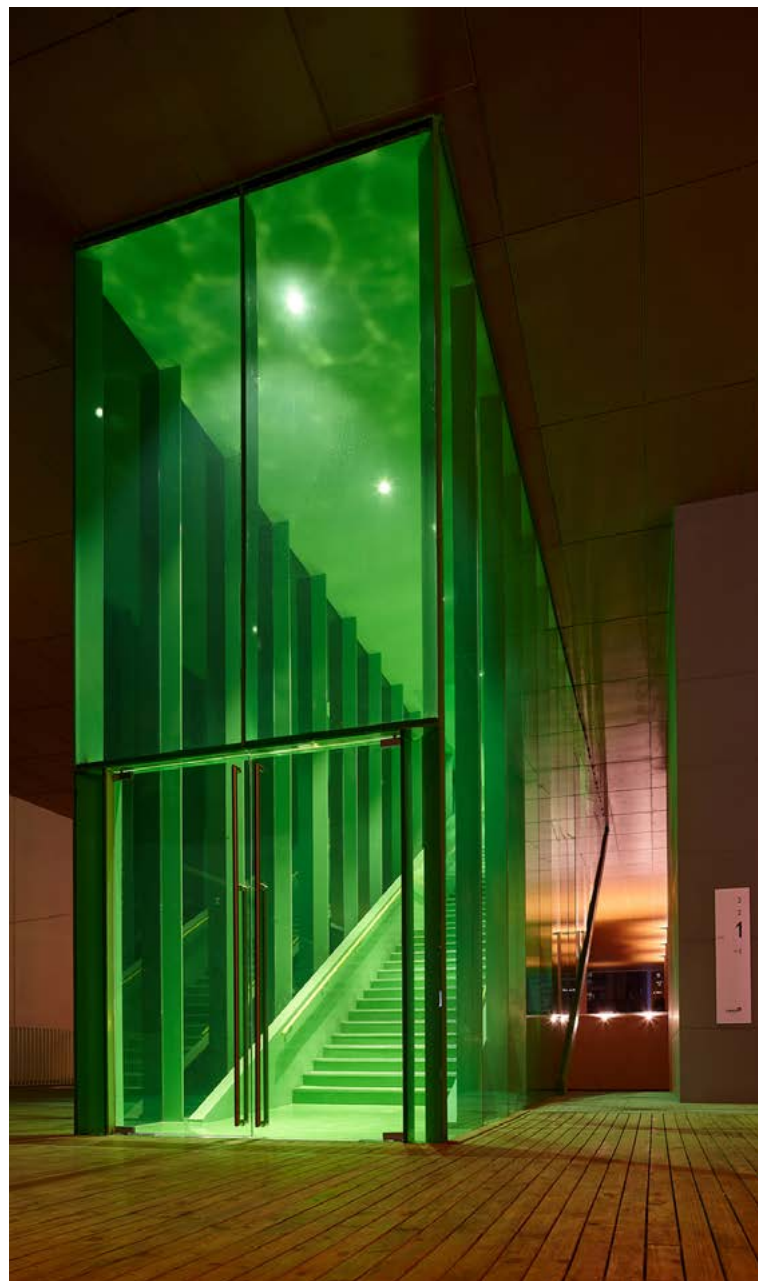
THE PRIORITY OF LANDSCAPE DESIGN

Art is a harmony that runs parallel to Nature. — Paul Cézanne

Landscape design was the first step of the design work. A series of parallel lines are adopted as the matrix of re-formatting the site. Upon this configuration, colors from different local vegetation were mapped out to articulate the manmade nature.

The areas defined by the parallel lines later become a sunken plaza, stepped seating stands, reflecting pool, giant sloping walkway, terraces on different levels, array of cherry trees, and bushes of different local species with various colors.

Within this configuration, there situates the Central Ring Art Saloon, the first phase of this project which was completed 10 years earlier in 2009. A group of human scale sculptures based on real construction workers of this project stands on the sloping lawn in the backyard.





With the façade of the new art gallery as the backdrop, the sculptures commemorate ordinary workers in a special language of art.

ARCHITECTURE AND INTERIOR SPACE

Positioned at the point where a pedestrian shopping street ends from across the road, the gallery building invites people in and engages them with a pleasant journey with art.

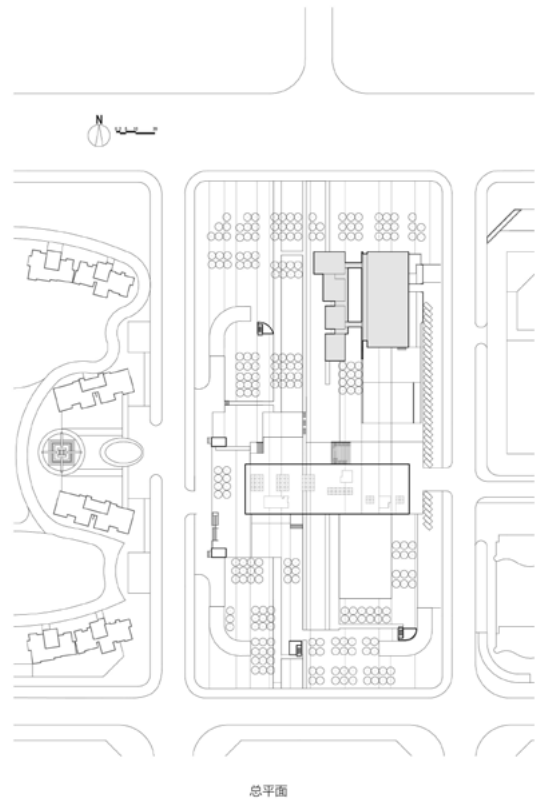
Perpendicular to the parallel lines of landscape, the gallery building floats above the ground and gives way to the landscape that runs through the site. The building becomes a floating scene, with a specially designed envelope derived from a fragment of 'forest'. The floating structure forms a series of semi-outdoor space that hosts various art activities.

The indoor journey begins at a grand entry stairway, leading visitors directly to the lobby and an open multifunctional space on the second floor. The VIP lounge and conference room are immediately adjacent to the open space, where activities such as opening ceremonies can take place.

Two exhibition halls – one large and one small - are placed on the 3rd floor and only open to the sky partially. Space around these two boxes is liberated in such a way that the building skin is highly permeable and the indoor and outdoor are blended instead of being separated via this interface. The spaces can accommodate temporary non-official art shows. Walking along it, people can enjoy both the indoor art exhibition and the nature beyond.

LIGHT AND COLOR

There are three major types of interior spaces in the gallery: the core spaces, i.e. the exhibition halls, where the daylight gets in vertically from above through the skylight; the spaces outside of the core, the promenade corridors and free spaces they connect, where the daylight gets in horizontally from side windows; and the grand staircase, somewhere in between. Inside the grand staircase, the daylight is sourced mainly from the skylight above, while horizontal daylight and views can also be borrowed through side openings from adjacent spaces.



The color of the exterior, the white and dark grey, are from the local 'Hui' style traditional building (mainly black and white). Pink (cherry blossoms), yellow (rape flowers) and green (young leaves) are applied to interior skin to echo the local landscape in spring time. The inside of the exhibition halls is painted white to ensure best lighting quality and artworks are best displayed. A fresh and bright green color is applied to both inside and outside of the grand staircase to give the space a character intentionally. When people start the journey with art on the first step, they would feel like they stepped into a painting to become the leading role of the stage.

www.ap-studio.co.uk



RENDER PROVIDES A WAY FOR SPECIFIERS TO MAKE THEIR MARK

WHY RENDER HAS BECOME THE FAÇADE MATERIAL OF CHOICE

A building's external façade is a critical element of its overall design adding personality, colour and character alongside many other hidden and protective benefits. This is why render has become the façade material of choice when it comes to creating a fresh new exterior on both new build and restoration projects.

Colour and texture will vary depending on the type of finish or solution selected whilst the application method, such as a scraped hand finishing or a machine sprayed textured finish, can have a noticeable effect on the appearance. Lime renders have also made a resurgence in recent years, not least due to their added breathability and versatility, but on account of the fact they add distinctive character to new buildings, as well as in the restoration and decoration of traditional buildings.

AN APPEALING FINISH

Offering an excellent example of the aesthetic appeal of render is at an exclusive development of luxury homes close to the historic market town of Kendal. Situated in the southern gateway to the Lake District, Stonecross Meadows is a stylish development of three, four and five-bedroom semi-detached and detached homes. In order to achieve the desired aesthetics, developer Jones Homes required a weatherproof render in two contrasting colours which offered ease of application and would successfully complement the homes' natural stone façade. This led to the specification of Parex Monorex GM, a one-coat weather resistant and breathable render, for the various house elevations.

Jones Homes specified Parex Monorex GM in Pale Yellow and Smokey Grey for the homes, garages and surrounding walls of the development. Parex Monorex GM was spray-applied to the concrete blockwork and to provide additional reinforcement and crack resistance at stress locations around openings, Parex TV10 Mesh was embedded into the render during the application process.

More than 5000m² of render was applied by Parex registered applicator North West Render Ltd who said: "We recommended the use of Parex Monorex GM for this development due to the product's ease of application and superior finish having used it on previous projects. Once again, the spray-applied application ensured a consistent, high quality finish."

Furthermore, Parex's quick response with samples and a full system specification also helped secure the project with Jones Homes, one of the UK's leading home builders.

Monorex GM is suitable for machine spraying or hand application and can be finished in a range of styles from medium scraped, light tyrolean to heavy roughcast textured finishes.

For more information about the wide range of Parex render systems or for technical guidance visit:

www.parex.co.uk/Render_Systems

KINEDO LAUNCHES TWO NEW SHOWER TRAY RANGES

Shower brand Kinedo from Saniflo kicks off Spring with the launch of two new shower tray ranges and a new shower tray brochure, all available to retailers now.



The spa-like, textured Kinerock Evo shower tray is made from Biolex, which is a robust and damage-resistant mineral composite containing 80% mineral with an acrylic resin and gel coat surface. Available square, rectangle and quadrant and in five colours – white, black, grey, anthracite and sable – the Kinerock Evo is 30mm thick and comes with an extra-flat waste and a metal waste cover to match the chosen tray colour. Sizes range from 700x700mm up to 2000x1000mm.

Equally impressive is the new designer tray Kinline, which features a linear tray and a granite look and feel. Also made from Biolex and available in the same five colours as Kinerock Evo, the Kinline is 26mm thick and available square and rectangle with side and linear waste. Sizes from 800x800mm up to 1800x900. Both models can be cut to size on site if required.

For further information visit www.kinedo.co.uk

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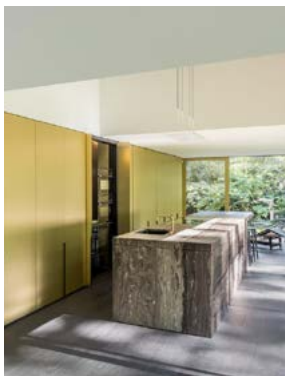
THINK DESIGN THINK HOMAPAL

HOMAPAL

Over the years, hardly any other material has proven its worth in interior design to the extent in which the laminate has done. Looks, feel and function are combined to get the interplay of elements into all-embracing spatial concepts in a way that couldn't be more natural

Above all, it has always been the genuine-metal coated laminates and magnetic boards that are associated with the HOMAPAL name. Yet behind the scenes in Herzberg, many more variations of this modern material are created and produced.

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BLACKHEATH INTRODUCES NEW STARON SOLID SURFACES TO ITS COLLECTION

Joining a vast array of premium, award-winning surfaces, Staron has introduced two new colourways to its collection. Distributed exclusively in the UK and Ireland by Blackheath, the Rotor Cloud and Terrazzo Bologna surfaces are guaranteed to bring a touch of delicate detail into interiors.

Featuring gentle, fine veining, Rotor Cloud has been inspired by the spring-like swirling clouds seen peacefully floating in the bright blue sky above. Perfect for adding layers of soft and subtle detail into décor schemes, the new colourway blends seamlessly into all spaces. A wispy and graceful finish, this premium solid surface is ideal for those looking for the beauty of marble with the additional practicalities of a solid surface.

Ideal for use within the home, the new Terrazzo Bologna offers homeowners an on-trend surface suited to the kitchen and bathroom. Packed full of warm-coloured flecks, which run throughout the entire thickness of the material, the new design provides a stunning appearance with a seamless finish.



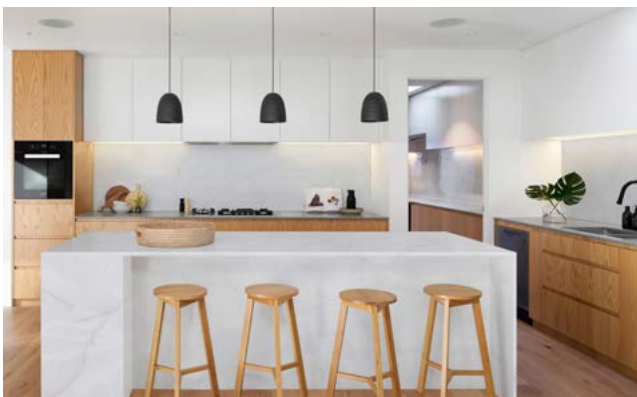
Rotor Cloud and Terrazzo Bologna

Fast becoming one of the most popular surface choices in a wide variety of residential, commercial and hospitality projects, terrazzo has experienced a major comeback in the last year. Having made its way from grand Italian homes into large communal spaces, modern homes and luxury commercial settings worldwide, Staron has grown its terrazzo-effect offering to meet market demand. A combination of white, orange and brown details scattered on a light beige background, Terrazzo Bologna pairs beautifully with wood textures and neutral tiles.

Providing homeowners, designers and specifiers with a surface perfect for modern living, Staron's unique qualities ensure its surfaces not only look beautiful but are a hygienic and practical choice too. Mould and bacteria suppressing, non-porous and totally seamless in fit, Staron is easy to clean thanks to its join-free and resilient structure. With anti-scratch and heat resistant qualities, Staron is a multi-purpose surface, ideal for use in kitchens, bathrooms, offices, shop displays, and it can even be used to clad walls.

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www.staron.com



Rotor Cloud Kitchen



ULTIMATE RELAXATION IN COMPLETE COMFORT

FELCE AND GUY SPECIFIES BRICKS FROM VANDERSANDEN FOR THE SPA AT SOUTH LODGE

The Spa at South Lodge, in the heart of the West Sussex countryside, is the picture-perfect, luxury destination for those seeking ultimate relaxation in complete comfort, far away from the pressures and strains of modern life. Designed by Hove-based architectural firm, Felce and Guy, this prestigious 44,000 sq. ft building sits harmoniously in its beautiful, natural setting with external facing bricks from Vandersanden selected to provide regular form, nuanced colours and natural texture for the project.

Located in Lower Beeding, near Horsham, The Spa at South Lodge is a purpose-built spa within the grounds of an award winning 5-star hotel. It features a state-of-the-art gym and spin studio, indoor pool, outdoor hydrotherapy pool and wild swimming pool, a thermal suite and treatment rooms for members, hotel residents and spa day guests. In addition, The Spa at South Lodge includes

the Ridgeview Beauty Bar and Botanica, a Mediterranean-inspired restaurant.

Felce and Guy were commissioned to provide a full architectural design, then appointed as lead consultant and contract administrator to oversee the build carried out by main contractor, Beard Construction. The firm's design balances the specific needs of the hotel and The Spa at South Lodge's facilities with a sensitivity to the context of the countryside setting and close proximity to the main hotel.

The resultant architecture sympathetically responds to these surroundings with the building deep-set into the landscape, minimising its scale, yet taking full advantage of the extensive views available to guests over the South Downs.

“

The Vandersanden brick works with the other materials in the design to present a very organic aesthetic for The Spa at South Lodge.

As the landscape falls away, leading to natural water forms, so too does the new building with external terracing leading out to a vitality pool and down to an external swim pond.

After reviewing and testing different samples in advance, Felce and Guy selected Vandersanden's Lithium brick in a 50mm size for the project. This attractive, hand-formed facing brick comprises a sanded-coated and grained structure in a muted base grey colour with accompanying shades of buff and black to match the stonework colours of the main building at South Lodge Hotel. Over 100,000 bricks were sourced and supplied for the project by specialist brick distributor, N R Taylor of Lingfield, with the thinness of the brick helping to further reduce the visual scale of the Spa building. The horizontal lines of the brickwork act as a softening counterpoint to the vertical natural green oak cladding and large glass panelling that also feature as key elements in The Spa at South Lodge design. Elsewhere, the Lithium brick has been used in the copings, landscaping and dividing walls which create external contours and help to separate the terraces outside of the building.

"The Vandersanden brick works with the other materials in the design to present a very organic aesthetic for The Spa at South Lodge," says John Chapman of Felce and Guy. "It perfectly complements both the dark sandstone used in the original hotel and its mix of greys and brown as well as the natural surroundings.



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Originally called "A Touch of Brass", the firm changed their name in 2003 in reaction to slowly advancing market changes in architectural ironmongery which is no longer supplied solely in brass, and to also reflect the broader range of product and finishes that they sell.

In fact today, Touch can supply a wide range of finishes including Brass, Satin Brass, Polished Chrome, Polished Nickel, Satin Nickel, Copper, Bronze – solid and plated, BMA, Antique Brass, Black, Pewter, Ceramic, Leather, Stainless Steel, Satin Stainless Steel, Gun Metal, and the list keeps growing. Whatever finish you require, Touch can help you get the right look.

Touch occupy their recently refurbished showroom at 210 Fulham Road, Chelsea, where they display a vast range of their 5,000 products. With a customer base including Interior Designers, Builders and Individuals who are interested in the quality end of the Ironmongery market, Touch mainly supply to residential premises but hotel and office properties also contribute to their vast clientele.

The company also have a healthy export market to all corners of the world, namely the Middle East, Europe and the Americas. Touch's owner and founder, Bill Benham, has 38 years' experience in the ironmongery trade, as do his colleagues Jim Haselup and Alan Blanchard. Saleem Qureshi is the newest member of our team and has 10 years' experience, meaning their knowledge is unrivalled in this industry.

The range of products supplied by Touch date from circa 1640 French (Louise XIV) and cover all subsequent periods (Georgian, Edwardian & Victorian), art deco and contemporary pieces also make up the product ranges. In addition, Touch showcases the very best of British manufacturing; the best ranges are still produced in the Midlands by craftsmen in factories dating back 200 years or more.

Touch Ironmongery have recently become suppliers for **Designer Doorware (Australia)** who have beautiful products with a cutting edge design Metal, Wood and concrete. We also have the exclusive rights to sell the **Olaria (Barcelona)** range in the UK.

Olaria make all our bespoke products, they have incredible levels of workmanship. Touch also sell European manufactured goods which is considered to be of a very good quality and in recent years they have introduced some of the far eastern made products, albeit in a limited range but cost effective. With trends continuously evolving new innovative products are constantly under development. Touch understand that keeping up with the fashion-shifts is imperative in order to provide every customer with the best solution for their requirements.

Ironmongery can be a difficult and complicated aspect of a building project, as a result Touch aim to take this awkward aspect and make it user friendly and clear to understand by offering an on-site service where they carry out a detailed door by door, window by window, room by room Ironmongery schedule, highlighting all requirements and identifying any items that can be refurbished. Refurbishment is a large part of the business; Touch will undertake complete ironmongery refurbishment projects, and can restore old paint covered door furniture to their former glory, looking as new, at a fraction of the cost to replace.

**For more information about Touch Ironmongery or to arrange a
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Olaria, available from Touch Ironmongery

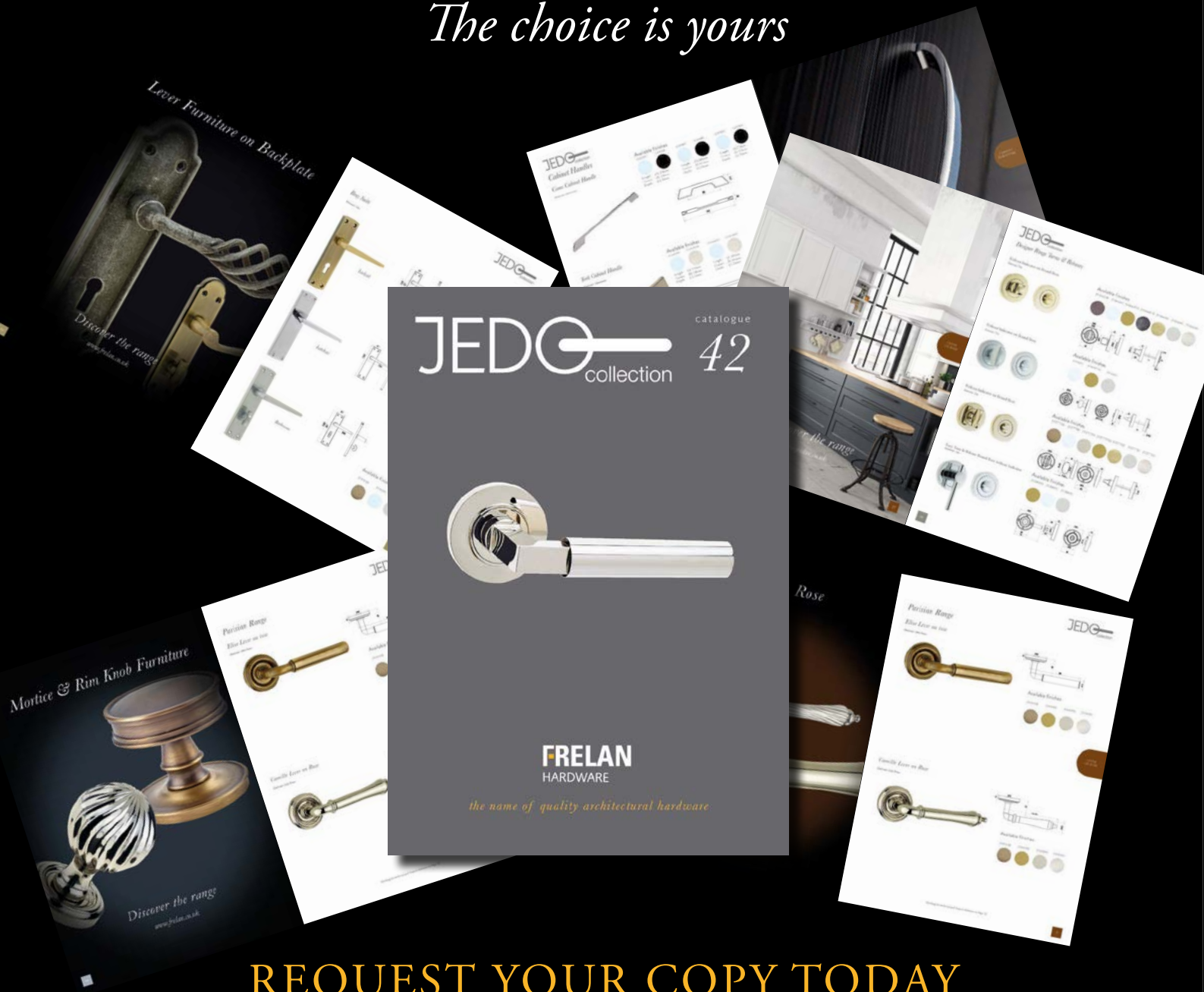
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The Sash Window Workshop specialise in manufacturing and installing traditional, timber windows and doors.

The company manufacture all their own joinery in their workshop in Berkshire, offering an installation service in London and Southern England and a supply only service nationwide.

All their new windows and doors are made using top quality materials. They use Accoya, which is highly durable and stable, requiring minimum maintenance and coming with a 50-year anti-rot guarantee.

The Sash Window Workshop were contacted by a couple about to undergo a major renovation project. The project required detailed planning, attention to detail and a vision for what could be achieved.

The new windows and doors needed to be double glazed, while also delivering both elegance and the traditional appearance that the couple wanted.

A sales surveyor from the company met with them to discuss the style they were after. The couple also visited the workshop to see first-hand the quality and workmanship. After seeing the



workshop, they felt confident that every detail would be taken care of. They therefore decided to place an order.

After the work was carried out, the couple commented that they "are so pleased and happy with the end result. The windows and doors were instrumental in the transformation of our building into a beautiful family home."

To obtain a quotation for your project, contact The Sash Window Workshop on: 01344 868 668 or email info@sashwindow.com. You can also visit their website: www.sashwindow.com.

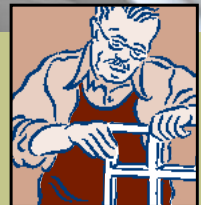


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POCKET DOORS AND STUDWORK SIZES

With pocket doors becoming more and more popular around the UK, the difficulty of matching their pocket thickness up to the studwork thickness has become a bit of a head-scratcher!

Long gone are the days that studwork came only in 75mm and 100mm (old 3" and 4") and life was much easier, these days we have timber stud, scant, CLS and steel stud all of different sizes which can cause a hassle when trying to match up to the pocket thickness.

Confusion is increased also by the fact that some merchants refer to 'nominal' sizes which in fact are not the actual sizes so lets make some sense of this.

The majority of timber stud work these days is CLS and although it may be sold as 75mm and 100mm nominal thickness in fact it is 63mm and 89mm thick. Steel stud is generally either 70mm or 92mm. So in reality there are 4 stud thicknesses generally in use and none of them match to the thicknesses of most pocket door

systems which are still 75mm and 100mm thick.

Rocket Door Frames have solved this with their pocket door systems which are now produced in two different thicknesses, 70mm and 90mm. These two dimensions solve virtually all of these problems and can be installed with much less hassle. For Example

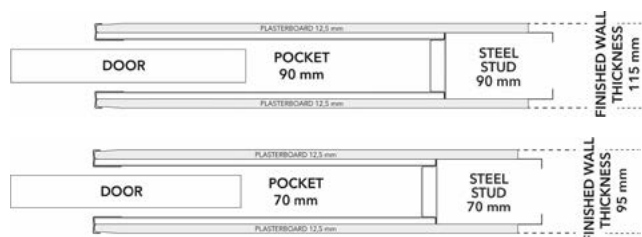
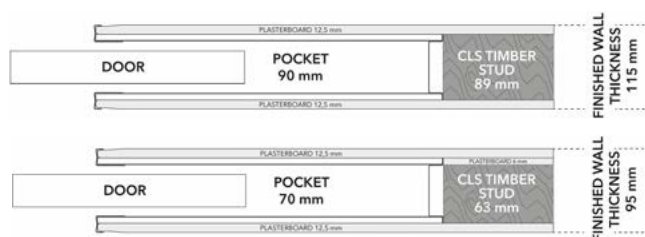
- Timber 63mm CLS stud (with one 6mm plasterboard) and Steel 70mm stud match the 70mm Rocket Pocket
- Timber 89mm CLS and Steel 92mm stud match the 90mm Rocket Pocket

So whatever studwork you choose of the popular variety choose a Rocket Pocket frame for an easy time.

A quick tour around the Merchants web sites reveals the following stud availability

www.rocketdoorframes.co.uk

HERE IS A QUICK GUIDE TO POCKET DOORS AND STUDWORK:



ENVIRONMENTALLY FRIENDLY ENTRANCE

GEZE's automatic doors provided the perfect solution for a new building where environmentally friendly criteria was at the heart of its design.

When CABI needed a new home to replace the old school building they had been in for 33 years and now required a high level of maintenance they turned to international design practice Scott Brownrigg.

The challenge was to design an energy efficient, purpose-built headquarters for the not-for-profit organisation that was in keeping with their values of protecting the environment and enhancing bio-diversity, provided a workplace for up to 180 members of staff and was an impressive local landmark.

The new entrance had to meet this exacting vision.

A GEZE Slimdrive SCR automatic curved sliding door was chosen to provide a light and airy all-glass lobby entrance which blends seamlessly into the facade.

The circular entrance features two sets of automatic bi-parting curved glass sliding doors, creating a lobby that minimises heat loss or gain and so helps to contribute to the building's environmental credentials.



In addition the Slimdrive SCR combines high performance with unobtrusive operation – the drives are just 7cm in height and very discreet.

Situated in an Area of Outstanding Natural Beauty and in keeping with CABI's values the building is topped with a living roof designed to attract insects and birds and enhance bio-diversity.

The CABI headquarters were shortlisted for the ArchDaily Building of the Year 2021 Awards.

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Monterey High School Science Innovation Center

MARIEVILLE CELEBRATES ITS PAST WHILE BUILDING FOR THE FUTURE

CAW ARCHITECTS' AWARD-WINNING EDUCATIONAL DESIGN PORTFOLIO IS SHAPING THE FUTURE OF HEALTHY, CALIFORNIA SCHOOLS

CAW Architects (CAW) has been at the forefront of reshaping California education through its award-winning educational portfolio for decades. As a firm committed to enhancing the educational lives of children and young adults, the firm's wide-ranging educational portfolio, which spans elementary, secondary, and university campus work, reflects its belief that all students deserve equal access and inclusion.

"What sets our firm apart is that we fundamentally believe in creating spaces where students can thrive," says principal Brent McClure, who leads the firm's design of educational environments. "We know firsthand through our work that spaces can dictate a sense of well-being and inspiration and impact the way students learn and feel about themselves within the educational context."



“

Buildings with better indoor air quality, natural daylighting, and other high-performance features generate increased attendance and improve test scores.

It has been well documented that there is a clear link between increased student performance and the environmental quality of the built environment. According to principal Chris Wasney, FAIA, “Buildings with better indoor air quality, natural daylighting, and other high-performance features generate increased attendance and improve test scores.” He continues, “We believe that good design is sustainable design, and these practices will directly benefit students.”

To date, the firm has designed the first two LEED Platinum K-12 public school buildings in the Bay Area, a Net-Zero Energy Master Plan for a comprehensive public high school in Oakland, and substantial campus revitalizations at Stanford University, which has an established goal of becoming carbon neutral and utilizing 100% renewable energy. Highlights of the firm’s educational portfolio emphasizing sustainable learning environments include:

CORTE MADERA SCHOOL

For this new campus development for the Portola Valley School District, CAW was tasked with replacing aging classroom buildings and designing two new buildings that allow for flexible and adaptable learning environments. Since the buildings about natural wetlands, integrating the architecture within the natural site was essential both for water conservation and creating robust teaching experiences within the landscape. Examples of this include classrooms that project over a frog pond, allowing students to wander through the environment in mud boots.



Above and below, Corto Madera School





The O'Donohue Family Stanford Educational Farm



Sequoia Union Gymnasium



Monterey High School Science Innovation Center

In time, the new classroom buildings will support countless hands-on, interactive learning opportunities thanks to the new science, art, and maker-space laboratories found within the space. The Portola Valley School District and CAW alike believe the new campus will inspire the students' curiosity and challenge them to experiment, test ideas, work in groups and, ultimately, become better prepared for the future in today's ever-changing global society.

MONTEREY HIGH SCHOOL SCIENCE INNOVATION CENTER

Monterey High School wanted to expand its science department to create new, dedicated classrooms to support its burgeoning advanced chemistry and biotechnology programs. The high school is located on a sloping hillside, offering minimal space for expansion while the existing campus has limited areas for outdoor student space. CAW creatively replaced an unused art classroom with a new, two-story building that cuts into the sloping hillside. The program stacks three new science classrooms above a shared innovation laboratory space, all of which link with the existing science building to form one single complex.

The upper classrooms are outfitted with fume hoods and biotechnology equipment, all within a flexible lab environment. The lower-level innovation center has sliding glass walls that open to outdoor learning spaces and student gathering areas so the space can function as classroom demonstration, lab, and assembly space to provide the school with highly flexible space. The outdoor areas create new terraced plazas and gathering areas, which nearly double the usable plaza space on the campus. Head of School Thomas Newton says, "Through this one new building, our entire campus will be revitalized with a greater sense of community."



The Sequoia Union Gymnasium furthers the educational mission of the school district and community in multiple important ways.

SEQUOIA UNION GYMNASIUM

For this legacy project, CAW introduced a number of high-performance building features to create the first LEED Platinum public school building in the Bay Area. In need of a new gymnasium for its growing student population, the school district tapped the firm to design a new 18,000 square foot gymnasium with a welcoming plaza and drop-off area. Students now arrive on campus to a new welcoming entry plaza highlighted by the light-filled, north-facing glass lobby that invites students and patrons into the gymnasium and campus beyond.

To meet the school district's goals for achieving the highest standards for energy consumption and sustainability, CAW's design solutions integrated the large clerestory at the roof ridge with translucent glass that fills the gym with abundant diffuse natural daylight. This allows for daytime use of the gym without any artificial light sources reducing lighting needs by more than 70% in the facility. The entire roof surface of the building employs a photovoltaic film to generate power from the sun and further offset the energy needs of the building. Now considered a model for how architects can shape sustainability within educational

environments as well as an educational tool for the students who use the building daily, the Sequoia Union Gymnasium furthers the educational mission of the school district and community in multiple important ways.

THE O'DONOHUE FAMILY STANFORD EDUCATIONAL FARM

Located on the outskirts of Stanford's campus, the Farm—true to its name—serves as a working agricultural complex that provides over 15,000 pounds of produce to the campus annually. It acts as a living laboratory where students, faculty, and the community can test ideas about social and environmental aspects of farming and urban agriculture. CAW's design tightly clusters the farm structures to preserve the majority of the site for field crops and orchards. The structures of utility are arrayed to maximize their workflow efficiency for the daily operations of the farm while also framing views and creating outdoor spaces for events, small and large gatherings, and outdoor learning.

Central to the design is The Barn, a large structure with a strong iconic silhouette created by a simple gable roof topped by clerestories that provide light and ventilation. It houses a workshop, tool and equipment storage, office space, restrooms, a large seminar room, and an open-air pavilion. The design's open-air shell, veiled skin, and plentiful outdoor program area take advantage of the temperate climate creating an ideal outdoor teaching environment. The relationship to the land is evident in every aspect of both the design and curriculum.

www.cawarchitects.com



The O'Donohue Family Stanford Educational Farm



SCHOOL USES TIME WISELY TO PROTECT INTERIORS WITH YEOMAN SHIELD

Cardinal Wiseman Catholic School based in Kingstanding, just outside Birmingham, took advantage of a quieter time, with the majority of pupils home schooling, to undertake interior wall protection work with Yeoman Shield.

Catering for 700 pupils aged 11- 16 the school has corridors and break-out areas throughout the school where walls and corners especially are exposed to marking and impact damage caused by the everyday movement of pupils, staff and equipment.

The damage not only detracts from the smart image the school strives to up hold in all areas, but also becomes a strain on the maintenance budget with constant requirements of repair and redecoration.

With the aim to reduce such damage and expenditure, after research and receiving samples, Head Teacher, Robert Swanwick, contacted Yeoman Shield to supply and carry out the installation of a complete wall protection system.

Following strict Covid guidelines throughout the process, Yeoman Shield's directly employed fixing operatives installed Yeoman Shield FalmouthEx Wall Protection Panels, (after boarding-out some of the brickwork to provide an even finish), at 1250 mm high to corridor and dining areas in a Dusty Grey colour to complement artwork decoration applied to the upper walls.

Staircase walls were also fitted with the wall protection panels with the addition of Yeoman Shield 50 mm Dia. Guardian Handrail in Timber with attractive Stainless Steel accessories.

Vulnerable wall corners were protected with 75 x 75 mm corner protection in a matching colour and Yeoman Shield 110 mm White PVCu cover over a solid timber core skirting was added.



This full Yeoman Shield wall protection system will abolish the future need for repainting walls and skirting with cleaning being the only maintenance required, reducing budgets spends.

The rigid PVCu material that Yeoman Shield products are manufactured from are easy to clean, do not promote the growth of bacteria or mould and are not affected by the use of commercial cleaners, assisting in the up keep of high hygiene standards.

Mr Swanwick commented "the quality of the product is exceptional. It has been installed for six months in some places and shows no signs of wear or tear yet. I also cannot speak highly enough of the professionalism of the installation teams, who understand the challenges of working in a school environment and get on with things quietly and efficiently. I am a very happy customer."

For more information on how installing wall & door protection products can help save on building maintenance and help keep interiors looking smart and clean get in contact on 0113 279 5854, info@yeomanshield.com or go to www.yeomanshield.com

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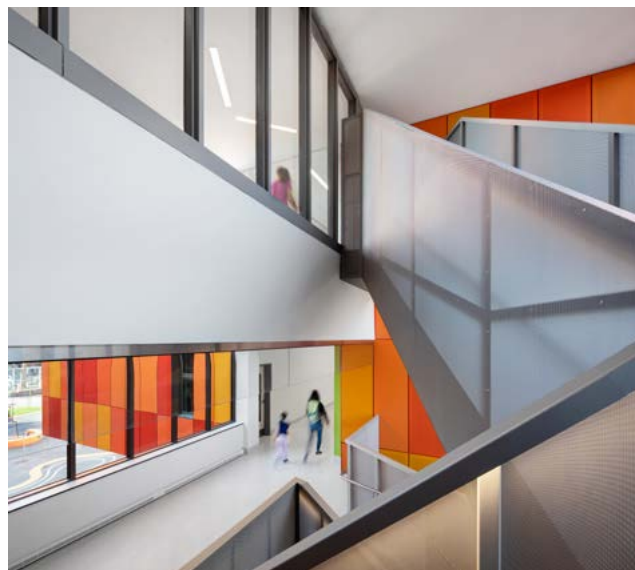
CHRIST-ROI ELEMENTARY SCHOOL

BGLA + SMITH VIGEANT ARCHITECTES INC. IN CONSORTIUM

Smith Vigeant Architects Inc. and BGLA | architecture + urban design in consortium completed the expansion of the Christ-Roi Elementary School, located in the Ahuntsic-Cartierville Borough. The expansion added three new floors, which include: nine classrooms, a kindergarten, a daycare service, and a gymnasium.

Creating a harmonious composition, the extension incorporates the principles of the existing building and redefines the school's relationship with its context. On the street, a sculpted volumetry announces the new hall, as well as the social and active functions. On the courtyard side, transparency and color are more expressed, offering a personalized character to the institution, respecting its initial pavilion.

The two buildings are built around a vast central staircase covered in natural light and the radiance of colors. The staircase clearly ensures the new links with the existing school while providing a comfortable and fun socializing space.



“

The facade on Lajeunesse Street affirms the institutional character of the building.

The entrance hall, by its size and opening, creates a generous and friendly transition space between the neighborhood, the daycare service, and the schoolyard.

In order to have a harmonious implementation, the extension follows the existing building principles: a simple rectangular volume with a brick facade. The proportions of which are dictated by a typical class floor, of standard dimensions, with a central corridor.

OPEN AND INTERACTIVE PLACE

The ground floor of the expansion is developed in a more open and dynamic way. It establishes functional and convivial links with the existing building, the schoolyard, the street, and the neighborhood. A series of subtractions sculpt the volume to define significant and functional places, namely: the new reception hall and its large exterior forecourt, the daycare service-connected to both the street and the schoolyard, as well as the gymnasium, also asserting its presence in the neighborhood and in the courtyard.

CONNECTION AND CENTRALITY

It is through the central hall that the new and old connect. Located in the center of the newly enlarged school, the hall acts as a hub for traffic and links between floors, between the neighborhood and the schoolyard.

Offering generous transparency between the reception area on Lajeunesse Street and the schoolyard, the hall provides a luminous common area, connecting the corridors of the old and the new. In addition to facilitating orientation within the new wing, this central hall assures a better understanding of the place and its environment.





VOLUMETRY, MATERIALS, AND ACTIVE DESIGN

The facade on Lajeunesse Street affirms the institutional character of the building. To keep a coherent whole, a similar brick facade was chosen. The modulation of the facade marks three major entities of the project in the public space, namely: the new hall and the main entrance to the daycare service, as well as the gymnasium. The ground floor is deliberately more open on the new schoolyard, contributing also to a lively relation at the street level, thus defining a new and generous interactive public space.

The larger masonry volume, therefore, sculpts the school's social and "active" functions. Like subtractions in a more rigid volume, these functions - hall, daycare, gymnasium, stairs - are expressed in the public space and the courtyard, either in transparency or in color.

On the schoolyard side, transparency and color are more expressed, offering a personalized character to the institution and its active schoolyard. Aluminum panels in different shades of red and orange, create a link with the red color of the existing doors and windows, but also with the surrounding context, which contains "plexes" in brick of different shades of clay. This colorful facade makes its presence a principal element in the interior of the lobby but subtly asserts itself on Lajeunesse Street.

DATASHEET

Project name: Expansion of Christ-Roi Elementary School
Location: Montreal
Client: Centre de services scolaire de Montréal (CSSDM)
Architects/designers: BGLA | architecture + urban design and Smith Vigeant Architects Inc.
Lead Architects: Martin Brière and Daniel Smith



Team: Stéphan Vigeant, Alexandre Savignet, Marianne Lapalme, Sabrina Charbonneau, Jessica Moore, Martin Brière, Daniel Smith, Cindy Neveu, Cécilia Chen
Engineers: EXP
Landscape Architect: Rousseau Lefebvre
Contractor: Blenda Construction
Suppliers: Montréal Briques et Pierres, Henry, Soprema, Multiplis, Revêtement Fortin, Vitrerie Claude, Menuiserie Des Pins, Création N M, CertainTeed, Armstrong, Stonhard, A/D Fire Protection Systems, Moderco
Lighting Designer: Lumen
Project sector: Institutional
Budget: 12,3 M\$
Area: 5,501 m²
Project finish date: June 2020
Photos: Stéphane Brügger

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Controlling the environment within hospitals to stop the spread of disease and infection is very important. Selectaglaze secondary glazing creates an excellent barrier to help prevent this and has a wide range of healthcare products; from switchable glass, anti-ligature furniture and units that are Secured by Design accredited.



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Besides environmental improvements, Selectaglaze secondary glazing also helps with secure environments such as mental health units where there is a need to protect patients from self-harm. Also, pharmacies and laboratories where sensitive or dangerous materials are stored and used can benefit from secondary glazing, as well as data centres where patient information is kept. A range of products tested to PAS 24 and Loss Prevention Standard LPS1175 are available.

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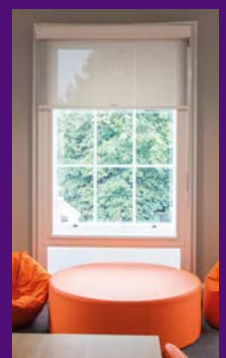
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MARIEVILLE CELEBRATES ITS PAST WHILE BUILDING FOR THE FUTURE

COMBINING HISTORY, TRANSPARENCY AND OPENNESS

How did so many outstanding theaters, museums, and public libraries manage to get built in Québec over the last two decades? The reason is simple. The Québec government, which subsidizes the building of cultural institutions, large or small, requires that architecture competitions be held in order to release funding. The rule applies to communities of all sizes, not just to larger cities.

Thus, even small towns not particularly known for their interest in contemporary architecture end up benefitting from a pool of highly creative architects. Such is the case with Marieville, Québec (with a population of 10000 inhabitants), a rural community located an hour away from Montreal, which launched a library competition in July 2020. The winning scheme was designed by Anne Carrier Architecture, a team known for its subtle, light-filled interventions.



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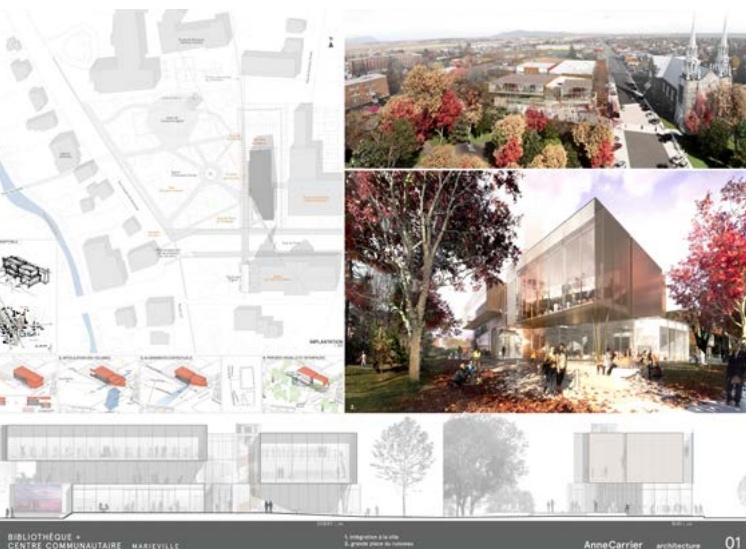
As they searched for a solution, the architects paid a lot of attention to the history of the site and its new context.

THE CONTEXT

Like many small Canadian communities, Marieville has a rich history and several buildings of interest, among them an impressive stone church just south of the site. The future library will face the town's century-old park featuring beautiful mature trees, a monument, and a kiosk where open air concerts can take place. Remnants of a former church are buried in a carefully preserved archeological zone.

The site borders the town's main street, which runs parallel to a nearby river and still features historically significant residences. Over the last few years, Marieville has taken several initiatives to gradually transform this central area into a civic pole where the library and its community-oriented services will play a major role. As they searched for a solution, the architects paid a lot of attention to the history of the site and its new context.





THE INSPIRATION

The project was slated to be built exactly where once stood Marieville's former library, which had to be demolished in 2012. The future building's elongated volume was determined by the narrowness of the site, and the presence of a protected archeological area. Nearby features, such as the park, several heritage buildings dotting the main street, a nearby spring, and the church's parvis were all taken into account as the concept evolved.

A diagonal line was introduced on the ground floor of the library, as a reminder of the main street's path. This break in the volume not only facilitates visual connections between the library and the site's notable features but allows for a small triangular plaza, located off the library entrance.

For book lovers and students coming from a nearby school, the church will act as a visual reference guiding their steps towards the main door. Inside, a sculptural staircase will adorn the three-level high lobby, as a reminder of the grain silos still predominant in this rural region.

THE CONCEPT

In their competition entry, the architects opted for transparency and openness, particularly on the west façade facing the park. Services will be kept along the building's east façade so that all common spaces will enjoy a direct connection with the park lush environment.

The proposed library consists of two three-level volumes linked by an elevator, a sculptural staircase, and two upper walkways. From the central lobby, open to all three floors, one will be able to visualize the entire building and fully grasp the presence of the church, the park, and the town's main street, running parallel to the river.





Services will be kept along the building's east façade so that all common spaces will enjoy a direct connection with the park lush environment.

As they come in, users will be directed left, towards the multipurpose room and the dance studio on the ground floor, or right to the library's reception desk and children's corner. Up one floor, citizens will have access to a community kitchen, workshop, and classroom on the north side, and to a periodicals area and a small café, part of the library. The building's entire top floor will be dedicated to library functions, adult and teen sections, reading areas, media lab, and administration.

For over ten years now, regulars have been confined to a dark church basement. For them, this project means renewing with the pleasure of browsing and reading in bright and airy spaces. As the project was made public, Marieville's Mayor Caroline Gagnon declared: "Of course we want this to be a library and a cultural facility. But above all, we hope it will be a place conducive to learning and discovery. We were totally seduced by the brightness of the project and by the perspectives submitted by the architects. We were also pleased with the way the building fits within Parc Crevier's natural environment."

DATASHEET

Project: Bibliothèque de Marieville

Location: Marieville, Québec

Client: Ville de Marieville

Winning Team: Anne Carrier architecture (AC/a), Lévis, Québec

Design Manager: Anne Carrier, architecte

Project Coordinator: Martin L'hébreux, architecte

Competition Team: Robert Boily, B. arch. / B. Sc.a.

Charles Ferland, architecte; Patricia Pronovost, architecte;

Mathieu St-Amant, architecte; Guy-David Paradis, architecte;

Andrée-Ève Gaudreault, M. arch.; Jean-Philippe Bélanger, tech. B. arch.

Designers: Anne Carrier, chief architect; Robert Boily b.arch./ b.sc.a.; Patricia Pronovost, architect; Mathieu St-Amant, architect

Number of competitors (1st stage): 19

Competing teams (2nd stage):

Anne Carrier Architecture (winning team)

Atelier Big City et Cimaïse

BGLA et EBA

Epigraphe, maison d'architecture

Competition results announcement: February 2021

Area: 1155 sq. m.

Budget: \$6.5M (planned)

Scheduled Opening: Summer 2023

www.annecarrier.com



HIGH-TECH WATER REUSE IN KENSINGTON

PIONEERING ON-DEMAND GREYWATER RECYCLING SYSTEM IS ONE THE FIRST INSTALLATIONS OF THE TECHNOLOGY IN THE UK

An innovative, smart water-recycling technology has been installed as part of the prestigious 80 Holland Park development by CPC Group, located in one of London's most exclusive residential neighbourhoods.

Meeting high standards of sustainability was a priority at 80 Holland Park, a stunning new-build development of 25 individually-designed residences within the Holland Park Estate, Kensington.

To meet planning and building control regulations, mains water demand was required to stay below a strict 110 litres daily allocation for each resident of the penthouses, duplex 'town houses' and loft style apartments.

RECYCLED WATER ON DEMAND

London-based consulting engineers chapmanbdsp specified a pioneering new on-demand greywater recycling technology from water management systems specialist SDS, in one of the first installations of the technology in the UK.

The bespoke system enables the waste water from baths and showers to be collected, treated in the digitally-controlled greywater system, and then reused for toilet flushing throughout the building.

By reusing water, the overall mains demand was calculated to reduce by at least 15% to an average of 90 litres per person per



day, a very low level and significantly below the current national average of 140 litres.

"In keeping with 80 Holland Park's carefully-considered and individually-designed apartments, the bathroom fittings are of a very high specification," explains Dave Honey, principle public health engineer with chapmanbdsp.

"Planning conditions required the development to comply with Building Regulations Part G and the water efficiency criteria for new dwellings, normally 125 litres per person per day, but reduced further to 110 litres per person by a planning condition."

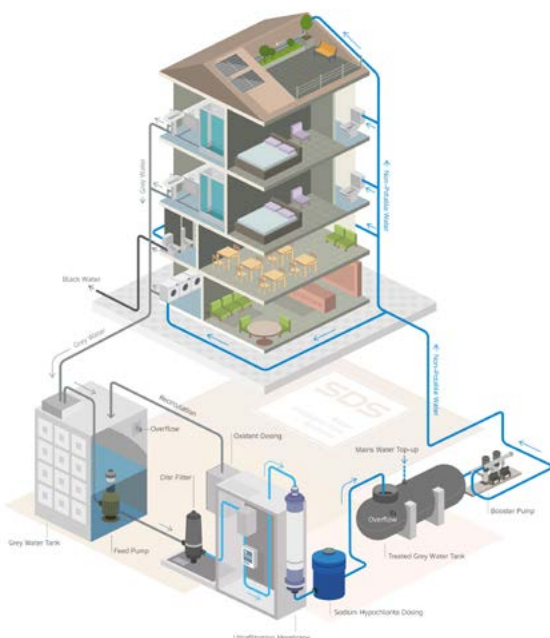
GROUNDBREAKING GREYWATER REUSE

The groundbreaking SDS Greywater on Demand system could fit in the building's plant room much more easily than conventional membrane bioreactor (MBR) treatment, which would have been difficult to design around the constraints of the building.

Waste water is collected from 27 outlets around the building via a dedicated network of pipes that are routed to the basement plant room. It is treated in the SDS Greywater on Demand system with state-of-the-art ultrafiltration technology and is then used to provide for flushing of 88 WCs throughout the development. The estimated greywater yield per day is just over 3,000 litres when the development is fully occupied.

When combined with SDS's smart SYMBioTIC™ cloud-based data monitoring and control, the system can be configured to provide real-time performance measures, condition monitoring and regular water-saving reports.

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P C HENDERSON EXPANDS ITS RANGE OF POCKET DOOR SYSTEMS WITH NEW BI-PARTING FIRE RATED SYSTEM

P C Henderson has further expanded its range of pocket door systems with the launch of a brand new fire rated system for bi-parting doors.

Originally launched for single doors back in February 2019 – this latest release of the company's popular Pocket Door Pro system caters for bi-parting fire doors weighing up to 120kg and is fully certified to FD30 British and European standards.

Andrew Royle, Sales and Marketing Director at P C Henderson, commented, "Since launching Pocket Door Pro just over two years ago – the system has quickly grown to become one of our most popular products. Post launch market research quickly told us that demand for a bi-parting fire rated version was high – we listened to this feedback and are delighted to be able to bring this new variation to the market".

The new system is available in standard and soft closing options, seven different kit sizes, for two different finished wall thicknesses, self-closing and non self-closing variants and a simultaneous action kit available as an optional extra.

"We designed Pocket Door Pro with one key aim in mind – to create one of the most flexible and versatile range of pocket



door systems on the market. As the popularity of pocket door systems continues to rise – it's important that designers and developers have access to a system which can cater for virtually any type of application and in a number of different operation types. We believe we have achieved this through the development of Pocket Door Pro", continued Andrew.

The system is designed using a robust aluminium frame making it ideal for new builds and areas of heavy use such as educational buildings, hospitals, hotels, office blocks and disability access areas.

Find out more at www.pchenderson.com

SALTO UNVEILS NEWLY REDESIGNED WEBSITE

SALTO Systems has launched a newly-redesigned website that offers detailed product information, enhanced industry vertical focus, and covers the latest technology and electronic advances for SALTO platforms, technology, and services.

The new site places a large emphasis on the visitor experience and provides a streamlined, modern design, improved functionality, and accessible resources to help support the informational needs of clients and prospects alike.

"We are thrilled to launch the new SALTO website and have been working hard to give our website an upgrade. We strongly feel that it aligns with our sustainable company vision of becoming the most technologically advanced access control provider that develops disruptive electronic smart locking solutions for any type of application all around the world," said Borja Ganzarain, Brand, Content and Marketing at SALTO Systems.

The new saltosystems.com website offers a clean, modern design, with information that will be updated on a regular basis with news, blog articles, business cases, new product launch updates and more. The newly-designed website offers detailed product information on the electronic lock products



SALTO develops and manufactures as well as educational information about the robust access control technology platforms that enable end users to experience the most advanced, secure, and convenient keyless smart access in the market.

To experience the new website, visit www.saltosystems.com



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Sunray Timber Door Division are leading and accredited Specialist Surveyors for Fire Doors and Passive Fire Door Protection. As one of only a few organisations to hold the full FDIS (Fire Door Inspection Scheme) they are expertly placed to provide Fire Door Surveys to determine compliance to Fire and Building Regulations and as a consequence corrective remedial or replacement advice.

The Sunray Fire Door Survey provides a thorough and detailed report on each door within the remit to define compliance or noncompliance to passive fire protection. Each door is meticulously inspected to understand its potential Fire Integrity and rating.

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Sunray Timber Fire Division manufactures a diverse range of Fire Doors, Screens, Partitions and Fire Breaks as part of the Building fabric.

With ratings from 30 minutes to 2 Hours of Fire Protection, the Sunray Timber Door Division product range is used in a variety of applications including Hotels, Healthcare, Schools and Government and Commercial buildings.

More recently Sunray has introduced a revolutionary new product to its range. FIRE-SECURE® is a pioneering product combining Fire and Security Integrity giving two accreditations in one product, FD30 and LPCB SR2.

This is setting new standards for passive Fire Door protection as well as providing the assurance of security against physical attack.

Within the Commercial and Residential sectors, the increased demand on passive Fire protection and Building security has intensified, with a focus on product manufacturers investing into R&D to provide specifiers with accredited, tested and proven products to meet and exceed measured performance criterias.

The FIRE-SECURE® range features are unique in their own right, however combined into one product they provide the specifier with paramount assurance to withstand the most vulnerable of applications and Passive Fire or Security Door solutions.

Without compromise to cost, the testing of the Fire-Secure® range has been the most challenging in order to achieve and exceed the standards outlined using punishing and rigorous testing through renowned UK test facilities.

The result is a Timber Door which provides aesthetics using a wide range of colour or veneer finishes, vision panels, locking options and critically with the underlying assurance of Fire and Security protection.

For more details call our specialised team to discuss your particular project on 01252 645534 or visit our website at www.sunraytimberdoors.co.uk/



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A NEW STANDARD

DON'T COMPROMISE ON AESTHETICS FOR PERFORMANCE

The release of the Draft Building Safety Bill, alongside the formation of the new National Construction Products Regulator, is paving the way for a new standard of compliance that ensures safety consistently remains the top priority throughout each stage of the design, construction and maintenance processes.

However, achieving these aims should not have to come at the expense of aesthetics. Here Mick Hill, Lead Technical Manager at Profab Access, discusses how architects and specifiers can secure specifications that achieve the highest standards of safety and adherence with latest legal requirements, without having to compromise on style.

As riser doors offer convenient and safe access to essential services for ongoing maintenance, their primary motivation for specification is one of practicality and functionality, rather than visual appeal.

However, latest industry advancements are paving the way for a new generation of riser doors that deliver the highest standards in fire certification and performance, yet have simultaneously been designed and manufactured to help enhance the project's interior aesthetic.

Achieving this optimum balance between style and substance can be facilitated through the specification of steel riser doors that seamlessly integrate into masonry walls, shaft walls and drywall partitions to deliver an unobtrusive finish, without impeding the ease of access for engineers.

Taking this theme one step further, by specifying riser doors that offer the ability to create bespoke facades, architects and designers can actually utilise the riser doors to complement and enhance the surrounding interior, rather than detracting from the chosen visual appeal.

For example, steel riser doors that can be clad in a range of additional materials, including stone, ceramic, marble and tiles can support the creation of a unified aesthetic that completely disguises the riser door, without affecting its fire combustibility or overall performance, as permeant means of access to mechanical and electrical services is unaffected.

This type of riser door is a popular choice for busy commercial applications, including reception areas and public washrooms, due to the facade being the exact same material as the surrounding walls.

While cladding a riser door in different materials may present initial concerns with regard to the combustibility and fire



performance of the overall installation, professionals can ensure compliance and provide the highest levels of protection and suitability for the entire lifecycle of the building by specifying riser doors that have been third party tested.

In line with the recommendations outlined within the Draft Building Safety Bill and in accordance with the guidelines shared by the National Construction Products Regulator, by choosing riser doors that have undergone extensive evaluation, are independently certified and supported by comprehensive test certification, architects can demonstrate a clear trail of due diligence in accordance with relevant regulations.

Throughout the specification process, architects should also ensure the riser doors they are choosing are smoke sealed and Airtight in accordance with Part L. In the event of a fire, the riser doors will maintain their integrity for up to two hours, limiting the spread of fire for this period of time.

By selecting riser doors that are also equipped with an intumescent smoke seal, it ensures occupants will be able to safely exit in the event of a fire, whilst also minimising potential damage to the rest of the building.

When specifying these components, architects should work closely with manufacturers that provide extensive information, including BIM and CAD files, alongside technical evidence to document the suitability of the product for its chosen application. This will ensure the installation is fit for purpose for the entire lifecycle of the building.

By taking an alternative approach to the specification of riser doors, professionals can achieve an installation that enhances, rather than detracts, from the chosen interior design scheme, without having to compromise on the overall performance and compliance of the product.

For further information on Profab Access and its range of access panels, riser doors and steel doors, call +44(0)1827 719051 or visit www.profabaccess.com.



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WYTHAM CHALET EXTERNAL STEEL STAIRCASE BY SPIRAL UK

NOT ALL FIRE ESCAPES ARE CREATED EQUAL – THIS ONE IS MUCH MORE BEAUTIFUL IN FORM THAN ITS FUNCTION REQUIRES

The external stair at Wytham Chalet is encased in linear steel caging that instead of feeling like a prison, reflects the quiet serenity of the tree trunks in the setting. Dappled shadows from leafy canopies play tricks on the eye, bringing what could have been a perfunctory build element to life.

Spiral UK were invited by specialist contractors Richard Ward Ltd to work with Oxford Architects on this rather special project.

Now a Listed Building just outside Oxford city centre, the chalet started life as a Swiss Hunting Lodge that was dismantled brick by brick in the 1930s and transported to its current site before being gifted to the university in 1942. Oxford Architects were managing the refurbishment and modernisation of the chalet belonging to Oxford University in its use as a specialist teaching space.



Oxford Architects and Richard Ward were careful in their restoration of this historic building, bringing it up to fire safety and building regulation standards - once the resident bats were deemed safe, that is. Part of these works involved a fire escape that needed to pass strict guidelines by both Listed Consent and Building Regs.

Spiral UK engineered the design to create a secure escape stair that sat apart from the precious building, only touching at two exit points, and incorporated the security of full height steel bar balustrading and an outward-opening gate at the bottom. This prevented intruders while still allowing quick and safe exit from the building. The stair itself is a hot-dip galvanised (EN ISO 1461), mild steel spiral and the enclosure was powder coated in RAL 7021, finishes that will last for many years to come.

This is a lot of metalwork for a natural setting on a Listed chalet building, but the slender vertical design disappears nicely into the flitting shadows of the surrounding trees. The entire structure was built for stability and durability with the end result looking great whilst adhering to building regs and Listed consent, without imposing on the natural beauty of the site.

The outcome is very pleasing, a subtle yet striking design that sits beautifully in the landscape, blending successfully with both the darkness of the chalet and the shapes and shadows of the surrounding woodland.

For more information or to book an online CPD, visit spiral.uk.com, email info@spiral.uk.com or call 0330 123 2447

AT A GLANCE

Floor to floor height: 2880mm + 2688mm

Staircase Diameter: 2100mm

Risers: Open

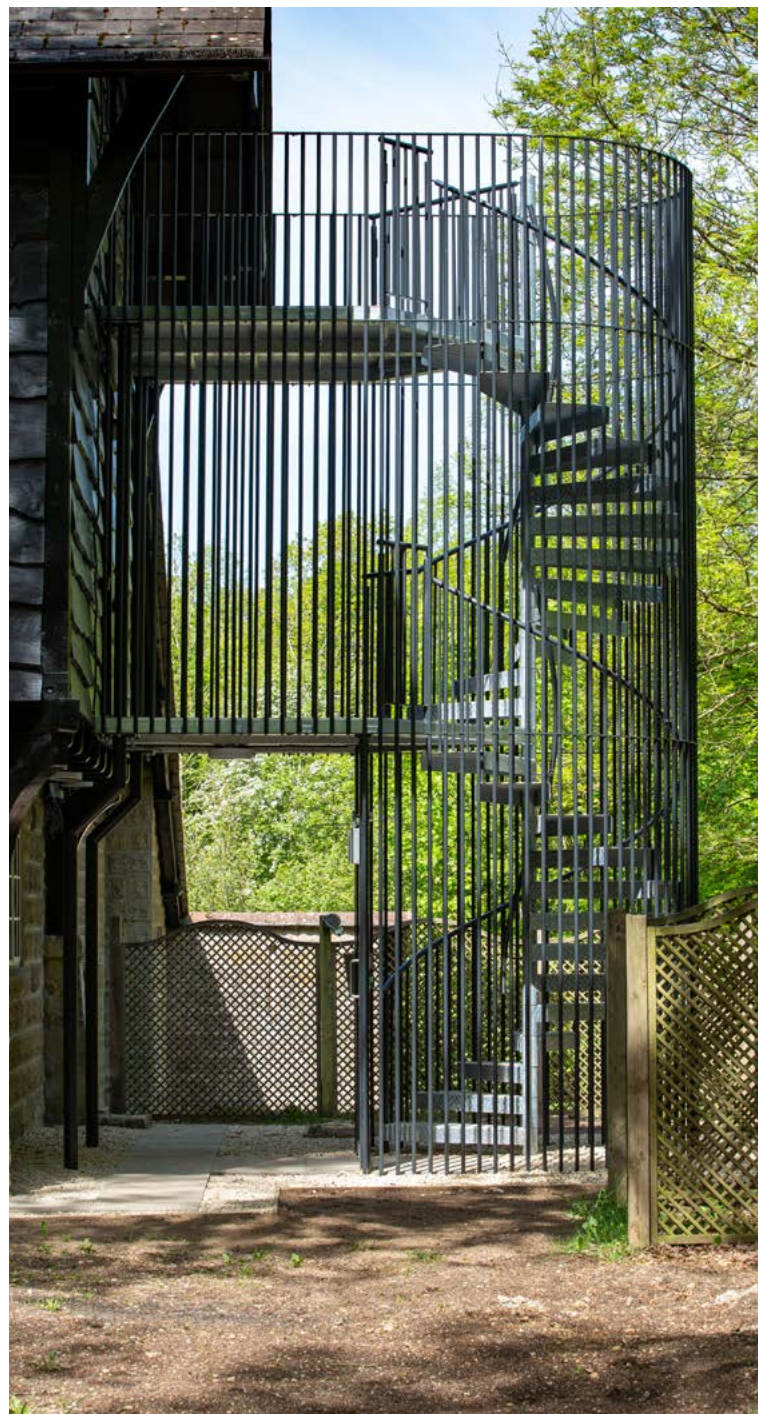
Treads: 27 @ 1050mm radius in durbar plate with nosing tape
Clear tread width: 822mm

Landing: 2 special landings of overall 2850mm x 2150mm durbar plate

Balustrade: Formed from outer enclosure with 38mm diameter inner and outer tubular handrail

Other: Enclosure comprising 27mm diameter CHS vertical uprights extending to 1.1m above top landing, with access control system to bottom gate. All mild steel hot dip galvanised to EN ISO 1461. Enclosure, vertical columns and balustrade only having powder coated finish to RAL 7021

Guide price: £40,000



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RX Range



MZ Range

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Our clients, a middle-aged professional couple comprised of a Japanese graphic artist and a British psychologist, appointed us to refurbish their 1900s' maisonette in Gospel Oak, North-West London. They wanted to build an artist's studio in lieu of the existing rear conservatory and make a number of internal alterations, all on a very tight budget.

Our idea was to create a bright and transparent space, seamlessly interconnected with the garden and the sky. There were some constraints: the footprint of the new extension was limited to that of the existing conservatory, the height at the boundary could not exceed 3m, and the narrow North-facing gap along the other boundary risked becoming a dark and damp passage.

To achieve our objective and overcome the limitations, we came up with a simple but elegant solution. The studio is comprised of two volumes. One is a low redwood-clad cube attached to the boundary wall, extensively glazed on two sides, with a frameless corner and a large flat skylight on the top. Crowning it is the

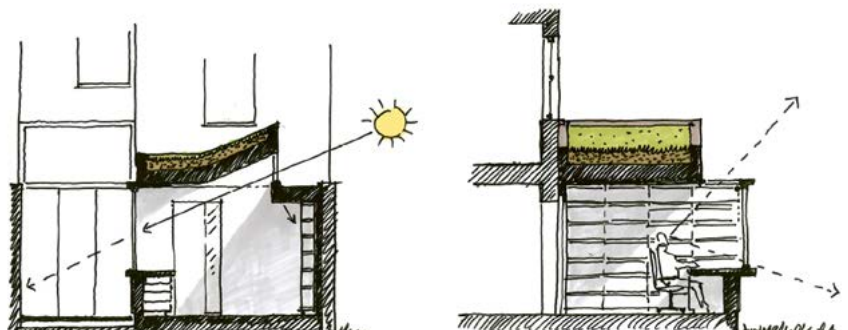
second volume – a lead-clad, sedum-roofed prism set away from the boundary, with a West-facing window taking in the daylight and conveying it to the passage on the other side. The raised roof and the window of the second volume increase the internal height of the studio and fill it with daylight.

Structurally, the studio is a timber frame on a raft foundation. All elements were modelled and detailed in 3D.

Internally, the studio features an L-shaped desk with drawers and concealed cable trays. One wall is full-width, full-height bookshelves. Three plaster-in wall lights illuminate the sloped ceiling.

The artist working in the studio enjoys uninterrupted views of the tranquil garden, entirely remodelled with paved and gravel surfaces, raised decked areas, white-rendered retaining walls, evergreen shrubs and flower borders.

www.ar-arch.co.uk





TRENT BRIDGE QUAYS

WATERSIDE SCHEME WITH £1 MILLION PENTHOUSE GIVES CENTRAL NORTH SIDE OF RIVER TRENT'S BANKS A FACELIFT

A new landmark 95-home residential development housing a £1million penthouse is progressing well, with waterfront apartments now available to view, and plans to extend the development along the northern banks of the River Trent just announced.

The first phase of Trent Bridge Quays, located on Meadow Lane by developer Elevate Property Group, has recently finished, and 80% have already sold to buyers who have moved into their new homes by the river.

The scheme will grow from the current spot by Trent Bridge along the north side of the River Trent banks, as part of the city's Waterside Regeneration master plan to redevelop the area all the way to the racecourse.

Situated within Nottingham's Regeneration Area, Trent Bridge Quays is one of a number of new riverside developments taking shape, offering families and first-time buyers, commuters and retirees quality living space that is designed around the benefits of residing close to the water, with the conveniences of the city within easy reach.



“

Trent Bridge Quays is situated close to Nottingham city centre, the train station and West Bridgford amenities including local shops, bars and restaurants all within easy walking distance.

Plans are also in the pipeline for the potential expansion of Nottingham's tram network to West Bridgford which will benefit the area, linking the Trent Bridge location with the city centre.

With frequent bus services to all areas of Nottinghamshire, and in close proximity to major employers such as E.ON, Boots HQ, Experian and Speedo, Trent Bridge Quays is situated close to Nottingham city centre, the train station and West Bridgford amenities including local shops, bars and restaurants all within easy walking distance.

Trent Bridge Cricket Ground is also on its doorstep and beauty spots such as Holme Pierrepont Country Park and The Hook nature reserve in Lady Bay, are just a short walk away.

One, two and three-bed apartments, many with south-facing waterfront views, outside space and parking are available to buy - and prices range from £192,500 for a one-bed apartment, to £1million for a luxury penthouse apartment, with panoramic views across the River Trent.

Three storey three and four-bed townhouses with 'morning and afternoon' balconies to enjoy sunrise and sunset vistas range in price from £345,000 to £500,000, and all properties feature floor to ceiling windows, stylish bathroom and kitchen décor and high spec appliances, fixtures and fittings throughout.



Viewings of the waterfront apartments are now available for prospective buyers to get a taste of waterside living, and visitors are now welcome to view the finished show townhouse by booking an appointment with selling agent FHP Waterside Living, on a bespoke appointment basis.

Managing director at Elevate Property Group, Steve Dodd, said: "It's been an honour to welcome new residents into purchased homes - Trent Bridge Quays will provide residents with a superior living experience in a waterside location – it's the best of both worlds; a peaceful waterfront setting combined with easy access to all the amenities and conveniences of city life in Nottingham and West Bridgford.

"This is our first residential scheme in Nottingham, having delivered many significant and flagship developments across the country. We love the city's rich history, excellent public transport links, major employers and world-renowned universities, it continues to be one of the most desirable places to live in the Midlands."

Joe Hargreaves, property consultant at FHP Waterside Living and lead estate agent for Trent Bridge Quays, said: "The riverside area of Nottingham is currently undergoing a significant transformation, sealing it as one of the most desirable places to live in the city, and it is a pleasure to welcome visitors to view the current show homes at this stunning waterside development, with waterfront apartments now available to view."

"Trent Bridge Quays offers a wonderful location in-between the city centre and West Bridgford, and its presence on the banks of the River Trent is a welcome addition which revitalises the northern side of the banks of the River Trent."

Interested parties wishing to view the show home can book an appointment or video viewing with FHP Waterside Living, by contacting Joe Hargreaves or Hollie Montagu on 0115 671 5573.

fhpliving.co.uk

elevatepropertygroup.co.uk

“

We love the city's rich history, excellent public transport links, major employers and world-renowned universities, it continues to be one of the most desirable places to live in the Midlands.



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TERRAZZO TREND FOR MASTIC ASPHALT FLOORING AND PAVING

Mastic asphalt is ideal for construction projects where a seamless, waterproof, durable surface is required. Commonly associated with roofing, tanking, flooring, paving and screeding projects due to its ability to offer total waterproof protection, the Mastic Asphalt Council (MAC) has recently seen a trend emerging of the use of mastic asphalt flooring incorporating terrazzo.



The long and rich history of terrazzo, with archaeologists discovering terrazzo as far back as 8000 years ago, is testament to its status as a construction material that stands the test of time. Modern interpretations of terrazzo have been created by combining decorative stone chippings with mastic asphalt, which is then polished to create infinite possibilities in any design situation.

Some perceive mastic asphalt terrazzo as having a distinctly 'retro' look and no two installations are ever the same, as the aggregate is exposed as part of the finishing process. Other finishes can also be created - such as matt or smooth - as opposed to the highly polished effect normally associated with terrazzo. Different visual effects can be created depending on the



size and type of aggregate added at the mixing point to create a bespoke finish.

Mastic asphalt terrazzo offers the durability and distinctive features of terrazzo and consists of a traditional mastic asphalt base with a modern finish. Slip and skid resistance can also be incorporated into the wearing course of the mastic asphalt. In addition, mastic asphalt terrazzo is suited for both internal and external applications.

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PRODUCERS, IMPORTERS & DISTRIBUTORS

RE-FORM SET TO DELIVER TRANSFORMATION OF GATEWAY PUBLIC REALM IN LEEDS CITY CENTRE

AN URBAN WOODLAND COULD BE CREATED IN THE CENTRE OF LEEDS

A team led by re-form Landscape Architecture has been announced as the recommended choice to collaborate with Leeds City Council and other stakeholders on the scheme and are expected to be appointed by the council's executive board at a meeting next Wednesday, June 23. re-form would work with global engineering and consultancy firm Arup; renowned artist, Nayan Kulkarni and consultant on childhood and global advocate for children's play and mobility, Tim Gill on the multi-million-pound project.

'The Glade' is intended to be a space in the centre of the city surrounded by layers of woodland planting that would symbolise Leeds's ambition to be carbon neutral by 2030. The project would allow the Forest of Loidis – the ancient forest on which the city was built – to re-emerge as a setting for city life.

Andrew Price, director at re-form Landscape Architecture commented: "This is a critical moment for Leeds and other cities around the world as they seek to adapt to climate change while creating welcoming and prosperous places to live. 'The Glade' is an ambitious response to the UN Sustainable Development Goals, creating a place where people and nature can co-exist in the heart of a thriving urban centre. The re-emergence of nature in Leeds will tell a story about Leeds's past and its future.

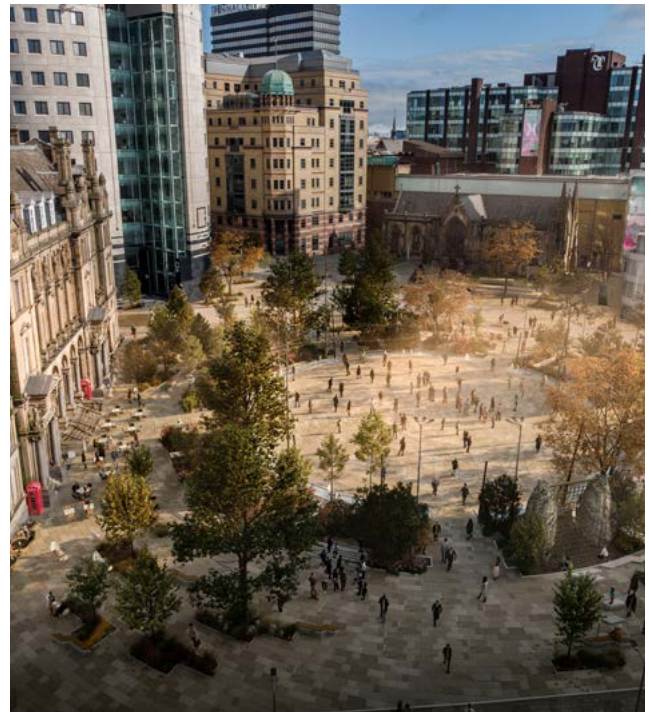
"Our team is hugely excited about the prospect of working with the city of Leeds to shape its future identity and create a space for everyday street culture. 'The Glade' will be a playful environment which welcomes children and their families to explore and discover. Following a year which has brought the lack of freedom and development of children into sharp focus, we want 'The Glade' to be an example of how children can be active participants in Leeds City Centre."

Subject to executive board approval, 'The Glade' will build on a number of significant projects currently under development around the square which is crossed by up to 40,000 pedestrians every day and is located outside Leeds train station - the busiest station in the north with 37 million passengers each year.

re-form intends to work with local people from across the city to develop the design over the coming months.

Councillor Helen Hayden, Leeds City Council's executive member for infrastructure and climate, said:

"City Square is already at the centre of life in Leeds and we want to harness its prime position and rich history to create



a truly outstanding space that will be a source of pride for all our residents. The passion and enthusiasm shown by re-form during the competition made it clear that they would be an ideal recommendation to help us achieve that goal. It will be exciting to see how the plans take shape and eventually usher in a bright new era for this important gateway to the centre of Leeds."

The redevelopment of City Square is part of the council's wider Our Spaces strategy, which aims to deliver new and improved public spaces for Leeds.

Richard Bickers, Project Director for Arup said: "The Glade is a transformational scheme that captures our ambition to create better outcomes for people, planet and place. Our expertise and focus on green outcomes could help Leeds City Council to create a sustainable, people-focused environment in the city centre. Embedding sustainable and resilient design at the heart of our work is vital to achieve a nature-based landmark that will attract residents and visitors with an inclusive, flexible communal space."

www.re-formlandscape.com

www.arup.com

www.rethinkingchildhood.com

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Image courtesy of Kellars



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DOMUS VENTILATION LAUNCHES NEXT GEN HIGH PERFORMANCE MVHR SYSTEMS

Domus Ventilation, part of the Polypipe group, has launched its next generation, improved performance HRXE Mechanical Ventilation with Heat Recovery (MVHR) units.

HRXE-HERA™ and HRXE-AURA™ high performance MVHR systems combine supply and extract ventilation in one system. They efficiently recover the heat typically lost in waste, stale air and use it to temper the fresh air drawn into the building via a heat exchanger. The filtered, pre-warmed air is distributed to areas of the home such as living rooms and bedrooms, effectively meeting part of the heating load in energy efficient dwellings.

Building on the success of previous HRXE MVHR systems, Domus has developed HRXE-HERA and HRXE-AURA to provide even greater efficiency through advanced heat exchange proficiency and the lowest Specific Fan Power (SFP) of any of

its MVHR units. Furthermore, the new range now comes with an improved warranty of five years, with the first year covering parts and labour.



HRXE-HERA is suited to use in smaller properties of up to two/three bedrooms, with the HRXE-AURA extending the range to larger homes of up to four/five bedrooms.

All units feature 100% thermal (summer) bypass which automatically activates when the air temperature reaches a pre-set level, allowing in cooler, fresh, filtered air without warming it through the heat exchanger.

The smart design of the HRXE means there is no reduction in airflow when operating in bypass mode.

For further information on the Domus Ventilation HRXE-HERA and HRXE-AURA MVHR appliances, please contact vent.info@domusventilation.co.uk or visit www.domusventilation.co.uk

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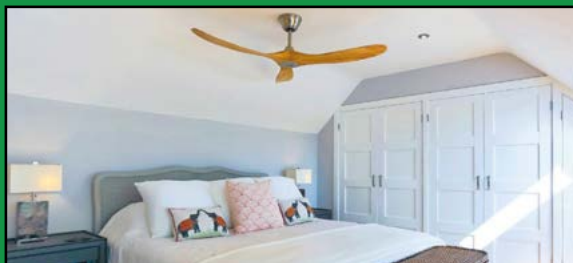
demista products have been fitted in some of the world's most prestigious properties and hotel developments, including; The Burj Al Arab, The Royal Atlantis, Fairmont in Dubai, The Intercontinental O2 and other high value developments in London.

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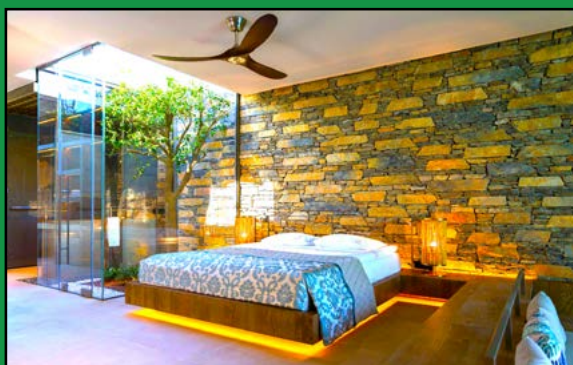
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#Glammfire

Photo: Iwan Baan



SDS SUPPORTS 2021 SERPENTINE PAVILION

SDS IS DELIGHTED TO ANNOUNCE ITS RETURN AS A PROUD SPONSOR OF THE 2021 PRESTIGIOUS SERPENTINE PAVILION ARCHITECTURAL PROJECT IN LONDON'S KENSINGTON GARDENS

From June 11, visitors to the Royal Park will enjoy the spectacular temporary Pavilion constructed in front of the Serpentine Gallery without knowing that a sustainable SDS water infrastructure solution beneath their feet has helped to make it possible.

The annual architectural brief is to design a 300 m² Pavilion used as a café and meeting space by day and a forum for learning, debate and entertainment at night. This year's Serpentine Pavilion, the 20th to be built, is designed by the Johannesburg-based architectural studio, Counterspace, directed by Sumayya Vally, and is a coming together of abstract sculptural forms, designed to represent past and present places of meeting, organising and belonging across London. The forms in the Pavilion are a result of abstracting, superimposing and splicing architectural elements.

PRIORITISING SUSTAINABILITY

Engineers from AECOM, returning for their eighth year of involvement with the project, were challenged with realising the technically complex design, and were determined to prioritise the sustainability of the temporary structure.

AECOM worked with SDS to provide the below-ground water infrastructure necessary to capture rainwater runoff from the building's near-circular roof structure, which has a radius of some 10.5 metres. At more than six metres high, the structure is one of the tallest Pavilions in recent years, from a 350m² footprint also one of the largest.

During heavy rain, surface water running off the Pavilion will be collected in underground attenuation built with SDS GEOLight®

modular storage. Considering the clay ground conditions, it was necessary to design a central attenuation tank to capture rainwater and take it away from the Pavilion foundations, allowing it to infiltrate slowly into the park's existing soakaway system.

NET CARBON OUTCOME

A range of reused and repurposed materials have been used in the Serpentine Pavilion 2021. Being made entirely from recycled post-consumer PVC waste, normally destined for landfill, SDS GEOLight® could help minimise the Pavilion's overall carbon footprint.

SDS Sales and Marketing Director Richard Averley said: "It is a true honour to be once again invited to contribute to this internationally-renowned architectural project. We were also really pleased to have been able to make a difference to the project's impressive environmental credentials.

"There has never been a more important time to celebrate the coming together of communities – a key theme of this year's project. So, we wish everyone visiting the Pavilion, whether they are enjoying a family day out, or taking part in the cultural events, a truly memorable experience. It is nice to know, that even when it rains, the surface water will be quietly and efficiently taken away."

SDS were first involved in the Serpentine Pavilion project in 2019, when the spectacular tree-like design featured a central cascade of rainwater which was conveyed to a GEOLight® storage tank beneath.

www.sdslimited.com



EQUATION

AN OFFICE BUILDING FILLED WITH TRANSPARENCY AND LIGHT

The project site is located in the heart of the Fréjorgues Est II BIA in La Mougère, one of the region's most dynamic corridors, and is being developed along the axis formed by the airport, the new Montpellier Sud de France TGV station, the A9 motorway, the Odysseum shopping center, the new Port Marianne district and the heart of Montpellier.

This office building conveys transparency and light. From the outside, it highlights its workers and offers visibility into the site's activities. From the inside, it provides users with a comfortable environment and brings the outdoors in. This transparency creates both visual and physical porosity.

The building is designed as a simple geometric figure whose exposed framework becomes the building's identity as well as its architectural expression.



“

The building is designed as a simple geometric figure whose exposed framework becomes the building's identity as well as its architectural expression.

Its shape lends itself to conveying a sense of openness to the outside and is inviting to visitors. It opens up to the outside by way of its fully glazed facades, and its interior opens up onto an atrium laid out as a garden. All levels benefit from all-day sunlight, and its large facade maximizes views.

The building's shape creates a rather elusive object, always perceived differently depending on the angle from which it's viewed. Its glass and concrete materials add to its luminosity and underscore the space's visibility, adding a certain grandeur to the building.

Finally, as a nod to technology and for technical performance, the acute angle of the building serves as a cantilever, providing free space for parking on the ground floor. This impressive angle also provides the lightness and weightlessness necessary for integrating the building into the site.

Its compact layout and center entryway allow optimal occupancy of the land parcel and offer various sized office spaces, allowing for all possible configurations (enclosed offices, open office spaces, meeting spaces, relaxation areas, etc.).



Technical sheet

Location: Mauguio, Montpellier 34

Area: 10860.7 sq.ft

Cost: 1,300,000 €

Delivery: December 2020

Project owner: Black Pearl Group

Customer: Inextenso

Architect: Amat et Saint-Val Architectes

Execution: PAG Ingénierie

Structural office: SETTING

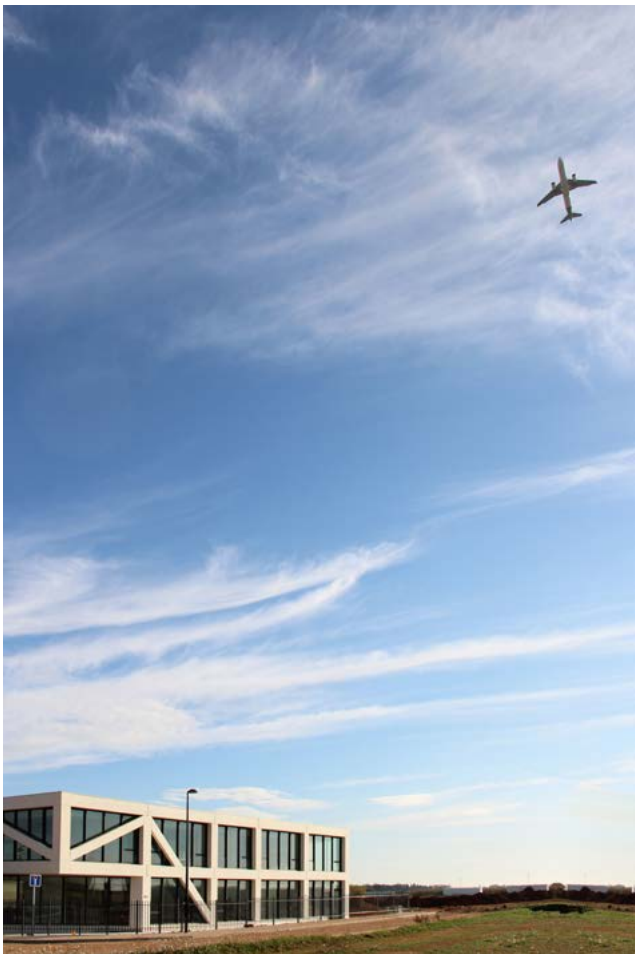
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THE SKY'S THE LIMIT WITH 3M DI-NOC VINYL

NEWFOUNDLAND APARTMENT BUILDING, CANARY WHARF

The 200m high, 58-storey Newfoundland apartment building, at the forefront of Canary Wharf, is the latest addition to the capital's skyline.

Also known as the Diamond building thanks to its distinctive criss-cross cladding, it is the tallest private rental building in the UK.

With one, two and three-bedroomed apartments for rent, the complex offers residents uninterrupted views across the capital. Residents can enjoy a terrace, fully-equipped gym, lounge, self-service bar, private dining room, screening room and children's play area, alongside all the benefits of living in the vibrant city.

At prices from £1,928pcm for a studio, tenants expect a certain level of finish on every level – including the lifts.

Commercial decorating contractor E Poole wanted to create a subtle gold effect on each of the complex's 220 cars and it was agreed in advance to wrap the lifts with vinyl, a simple-to-use, time-efficient option.

After a demo installation, the work was awarded to Omnia Vinyl Ltd, a Swindon-based company specialising in lift car, lift landing refurbishments and advertising.

With four passenger lifts on each of the 55 residential floors of the Newfoundland, that meant four entrances, four indicators and two full height call button panels required wrapping on each level, using 1,536m of 3M DI-NOC – with external deadlines meaning all work needed to be completed in just 35 days.

“

With up to 1,000 finishes to choose from, we knew that the client was unquestionably going to find what they were looking for with DI-NOC

Gareth Watkinson, of Omnia Vinyl, said: “The client had already chosen PA-046, a metallic champagne finish from the 3M DI-NOC Architectural Finishes range, and so we were asked to carry out a demo installation wrap on site.

“Following the high-quality completion of our trial installation, we were delighted to be chosen as the company to take this lift wrap project forward.”

Given the size and scale of the project, Gareth and the team decided to break the installation down into three phases.

Phase one involved all surfaces that required no interaction with the lifts themselves, such as architraves, indicators and landing operating panels.

Phase two focused on the lift entrance frames, wrapping two lifts at a time while phase three involved the wrapping of the lift doors, with technicians working on two at a time while the cars were being controlled by onsite OTIS engineers.

The first two phases were started simultaneously, with a completion target of 15 days, which was met, thus keeping phase three on track, for which a 20-day target was set.

Gareth added: “In the end, we completed the door wrapping in 18 days, all while working with the OTIS engineers to ensure their own programme of testing and commissioning ran to schedule.



“This meant the whole lift wrap project from start to finish was delivered two days ahead of the agreed 35-day accelerated programme, which speaks volumes about the product used.”

This project used 3M DI-NOC architectural film, supplied by Architextural, part of the William Smith Group 1832, a leading supplier of self-adhesive films.

Jack Carr, marketing executive at the Barnard Castle-based firm, said: “In this application, the product really has delivered from a number of different angles.

“Firstly, it came up trumps in the trial install of this project; not only was it performed well by the skilled installers, but the quality of the film was also impressive enough to be chosen to be used in such a high-end location.

“The design capabilities of this product also really came to the fore. With up to 1,000 finishes to choose from, we knew that the client was unquestionably going to find what they were looking for with DI-NOC. We were right, and pattern PA-046 fit the client’s design needs perfectly.

“Finally, we can’t forget about the speed of installation. The flexibility and ease of application allowed for the team at Omnia Vinyl to complete this staggering install inside 35 days.”

A representative from E Poole commercial decorators added: “Many thanks go to Omnia Vinyl Ltd, who provided a superb quality finish and a great team to work with on this stunning project.”

www.architextural.co.uk

01833 690305

Instagram: @_architextural

THE IMPACT OF GOOD ACOUSTICS

Light, air, acoustics and spatial organisation are well recognised as essential elements when designers work on medical and healing facilities. This is because they have an impact on the treatment of body and mind. Now a wealth of information is available from Trolldtekt, a leading developer and manufacturer of acoustic ceiling and wall solutions. This is available in an online series of articles which focuses on visions and practices opportunities and pitfalls within healing architecture.

Interestingly, the internationally acknowledged MIPIM Awards have in recent years started celebrating outstanding healthcare design. The award is an acknowledgement of the role architecture plays in healing and treatment of both physical and mental illnesses. The UK's recent Mental Health Awareness Week also reinforces the severity of the issues around mental health.

Right design is especially critical for people suffering from mental illness or feeling unwell. According to Swedish architects White Arkitekter, a good example is their design for the Ostra Hospital psychiatric facility where traditional conventions have been replaced by an open and unrestricted environment characterised by tranquillity and light. The area is also not isolated from the rest of the building.

Another key aspect has been specifying superior acoustics, such as in the psychiatric ward in their design for the Södra Älvsborg Hospital in Borås. Recently shortlisted for the European Healthcare Design 2021 Awards in the Mental Health



Södra Älvsborg Hospital in Borås (Sweden) ©Felix Gerlach.

Design category, their starting point was that the architecture must cater for people's need to feel safe and to improve their well-being. In designing the interior, the emphasis has always been on soft, round shapes (no sharp edges), while the colours strike a balance between providing stimulating sensory impressions and instilling a sense of calm. They say that the choice of materials, such as wood, also plays a key role because it adds warmth and naturalness.

Samples, case studies and technical guidance are available from tel 01978 664255 or [Trolldtekt.co.uk](https://www.trolldtekt.co.uk) while the theme can be found at www.trolldtekt.com/news/themes/healing-architecture





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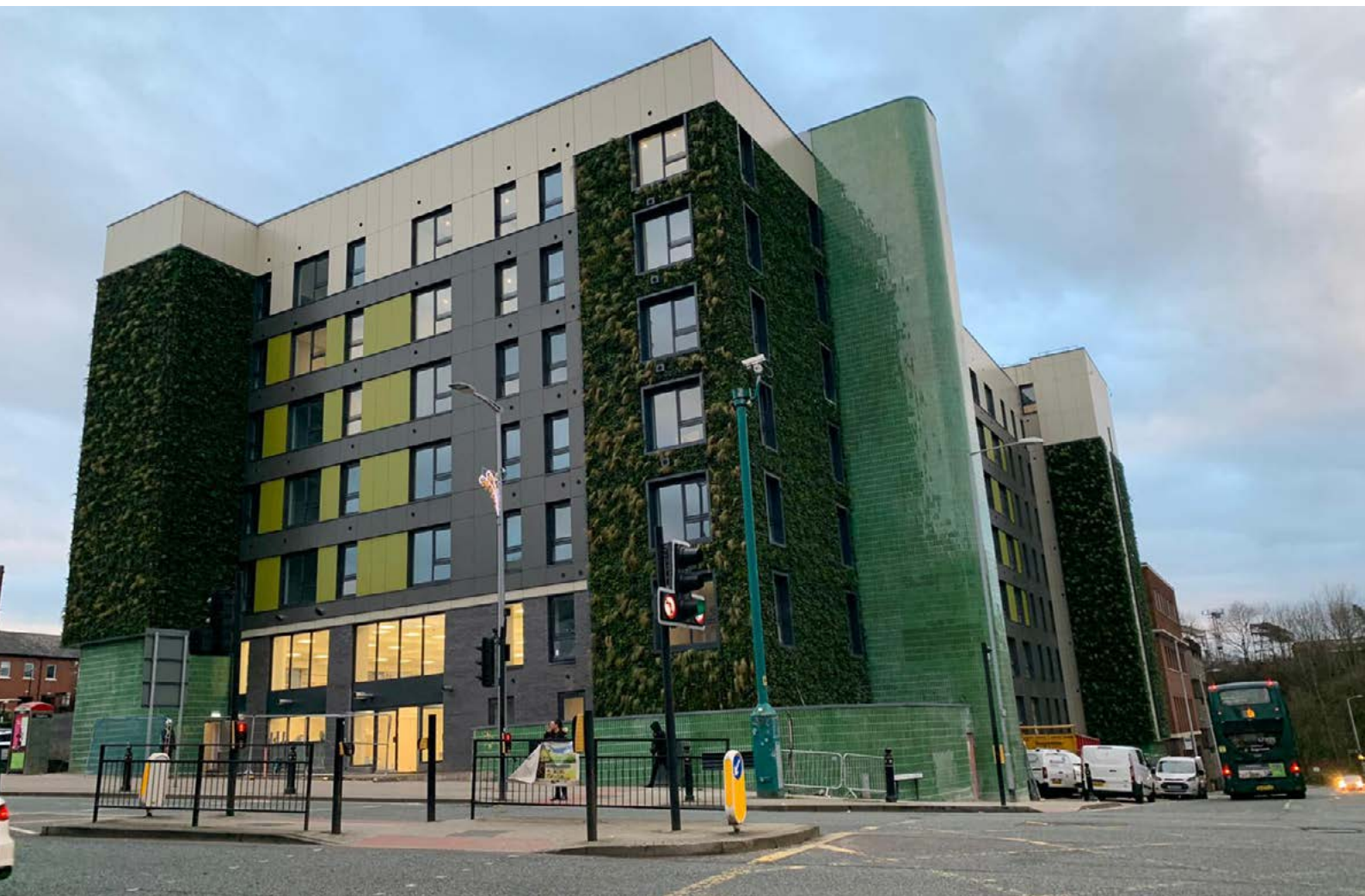
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MAXIMISING BIODIVERSITY NET GAIN WITH BIOPHILIC DESIGN

BY STEVE MCINTYRE, PRINCIPAL URBAN ENVIRONMENT CONSULTANT AT GREEN INFRASTRUCTURE SPECIALISTS, ANS GLOBAL

Technological advancements and changes in lifestyle have meant that more of our time is spent away from nature. Urban environments, residential developments and workplaces have not historically sought to include the natural world but that is now changing fast as studies have shown that human beings crave natural settings.

Biophilic design, that focuses on the innate human attraction to nature, first originated in the 1980s and has recently surged in popularity in both home and work environments. Recognition is growing that providing people with opportunities to live and work in healthy places is vital to both wellbeing and productivity.

This green building trend, boosted by the pandemic, uses natural materials to bring nature closer in to our daily lives. The inherent

benefits of improving mental and physical health, as well as productivity, are backed by research and well documented.

The social, physical and health benefits make green infrastructure such as living walls well worth the investment. They also contribute to the requirements for all new developments to achieve biodiversity net gain, which the Environment Bill will mandate in law.

For architects, the burgeoning popularity of biophilic design presents an opportunity to add value to new development projects in a variety of ways, from enhancing the aesthetics of a development, to improving air quality, acoustics and helping developers to achieve the requirement for biodiversity net gain.



Living walls that are designed with a soil-based system that can support native species are more likely to fulfil biodiversity net gain requirements and provide a lasting impact.

WHAT IS BIODIVERSITY NET GAIN?

The UK government has committed to making Biodiversity Net Gain mandatory for new development. Protection and enhancement of the environment and biodiversity is already a feature of the National Planning Policy Framework, and is expected to become law in England as a result of the Environment Bill. This means that all developments must leave biodiversity of the site in better shape than it was prior to development, with a minimum 10 per cent net gain to be mandated in law.

The new minimum biodiversity net gain legal requirement could present significant challenges to developers where space to create habitat on site is limited or the viability of the site could be affected, especially in urban developments. Façade-bound green walls offer a solution to this challenge and have greater potential to support rich biodiversity than other systems, due to the presence of soil and the broad range of species that can be planted.

BIODIVERSITY, BIOPHILIA AND SOCIAL IMPACT AT THE MAILBOX, STOCKPORT

Converted into over 177 apartments and 15,200 square feet of commercial, office and retail space, Stockport's former sorting office has undergone a massive transformation. Sustainable property developers Rise Homes wanted to include a living wall on the façade of the building, enhancing the structure of the original building and producing an inspiring example of urban greening in practice.

Working closely with Mosaic Town Planning, Stockport City Council, Pozzoni Architects and Elder Lester McGregor, ANS Global completed the urban greening scheme which involved not just one but 14 different living walls over four elevations. At 1,190 square metres the project involved 114,240 plants that wrapped around the building.

Using a soil-based living wall system gave the project greater flexibility in plant selection, allowing for native species, pollinator planting and sources of nectar. This creates a habitat for bees, burrowing insects and encourages natural colonisation, maximising the biodiversity net gain of the project as well as improving the aesthetics of the building and improving air quality.

ACHIEVING BIODIVERSITY NET GAIN

Living walls that are designed with a soil-based system that can support native species are more likely to fulfil biodiversity net gain requirements and provide a lasting impact. A soil-based system also gives longevity to the installation, setting it up to be a permanent feature of the urban landscape, making it more likely to meet the requirements of the upcoming Environment Bill, which sets out the requirement for habitats to be managed and monitored for a minimum of 30 years.



A 'lifetime' living wall, like those created at The Mailbox, Stockport, delivers an alternative ecological habitat (including nesting areas), and provides benefits to the local environment for years to come.

ANS Global has partnered with AECOM, the world's premier infrastructure consulting firm, to produce two advice guides on incorporating urban green infrastructure within developments, designed to help architects, environmental consultants, planners, landscapers and construction professionals who all have roles to play in achieving biodiversity net gain in new developments.

The guides lay out best practice methods in using the Biodiversity Metric to assess how urban green infrastructure contributes to achieving biodiversity net gain, as well as explaining the differences between green infrastructure habitats, how these differences impact on BNG calculations, and illustrate how each habitat should be designed to ensure biodiversity units can be achieved.

The two guides; "Using Urban Green Infrastructure to Achieve Biodiversity Net Gain" and "Urban Green Infrastructure Technical Guide" are available for free download at www.ansgroupglobal.com/building-with-biodiversity-net-gain-pr



MEETING INCREASING DEMAND

EASIER ACCESS TO PLASWOOD SOLUTIONS WITH MKM PARTNERSHIP

To meet increasing demand for its extensive range of plastic lumber products, Plaswood, a Berry Global product, is now being made available via the UK's largest independent builders' merchant, MKM Building Supplies.

Plaswood products will be available to purchase online, with items also on display in selected showrooms, and Plaswood lumber available at timber specialist stores, at MKM's nationwide branches.

The partnership between Plaswood and MKM will make Plaswood products more easily accessible to both consumers and tradespeople throughout local communities, meeting the need for a durable, long lasting and maintenance-free solution for a wide variety of domestic and commercial outdoor applications including garden furniture, fencing, signage, decking, bins, planters and edging.

The availability of these products at MKM will also support the company's commitment to providing second life products to its customers that help to divert waste from landfill and support the development of a circular economy.

"This is an important deal for Plaswood and another significant milestone in the growth of the brand," commented Plaswood's General Manager Katherine Lorek-Wallace. "We are experiencing strong demand for our products and the ability to purchase through MKM will deliver a fast route to market."

Plaswood is made from recycled plastic. Its robust waterproof properties mean that the material will not rot, splinter or deteriorate over time, providing a long-term quality alternative to



traditional materials. During the current pandemic, its hygienic easy to clean qualities have been of particular benefit as surfaces can be wiped with antibacterial products without causing any damage or wear to the surface.

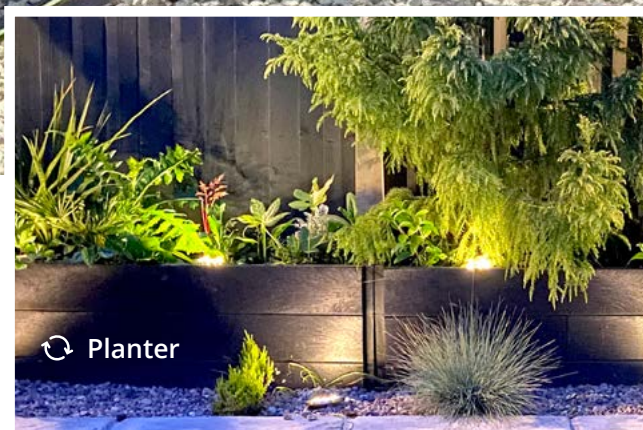
"Plaswood is an important addition to our offering," said Kate Tinsley, MKM Building Supplies' CEO. "Sustainability is a major concern to our customers and through Plaswood we are able to offer practical and high-quality products for many types of outdoor applications, including garden furniture or landscaping items, that are helping to keep used plastics away from our environment, while turning waste into valuable second life solutions."

Customers can find their nearest MKM Plaswood stockist at www.plaswood.eco

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With team specialists in a variety of sectors including education, healthcare, sport and hospitality, West Sussex based canopy engineering firm Fordingbridge proudly work collaboratively with architects and specifiers to help achieve clients' briefs and bring them to fruition. The business operate a full design and manufacture facility, ensuring that your next project will not only be cost effective, but have the aesthetics and quality required for your design.

Operating nationwide, Fordingbridge steel, tensile and glulam structures can be seen in schools, retailers, hospitals, airports and leisure establishments throughout the UK and Ireland. With a renewed focus on the importance of maximising outside space, the architectural importance of correctly specifying the appropriate product has never been more significant. A far cry from mass-produced, "off-the-shelf" products, the Fordingbridge canopy offering instead efficiently combines standard components and sections to provide a bespoke, structurally engineered solution fit for any environment.

"Handling the complete process in-house has a multitude of benefits for the many architectural practices we collaborate with," explains Fraser Dixon, Business Development Manager of the firm. "We work with them from the outset to ensure the brief is met and that a cost effective, visually inspiring and structurally sound product is the end result. As our design and manufacture process is internal, we can tweak designs throughout the planning stage, and provide the necessary input early in the process to ensure our element of the wider project is a success. This is especially true within our work in education and healthcare," Dixon continues, "where the importance



of collaborating with a Principal Contractor and providing the necessary information from the outset can have a huge positive bearing on the project as a whole, especially when often working to a tight programme."

As the UK begins to slowly exit the pandemic, the demand for aesthetically covered outside space has grown. "Many have hired marquees over the past 16 months to fill an urgent gap and provide the space restrictions demanded," Fraser explains, "but now these benefits have been realised in practice, schools, retailers and leisure operators are really driving towards more permanent, and better looking solutions for the long term. This is where our area of expertise comes in and collaborating with architects as we do, means that we can produce long lasting, visually pleasing weather protection as a result."

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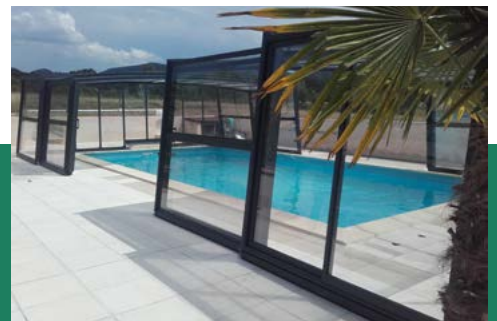


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HAUS ON THE RIDGE: AESTHETIC EXTERIOR DECKING BY TREKKER

Set within the beautiful Kent countryside, with stunning views of the rural landscape is the striking Haus On The Ridge project. This contemporary property turned to Trekker Global to provide an aesthetic decking solution that would remain in keeping with its minimalist design, whilst offering a functional solution for outdoor entertaining.

Trekker decking boards in Vulcan Grooved were selected for this modern home, to help create an aesthetic terrace area that wrapped around the exterior of the property. An ideal choice for outdoor spaces, the composite planks create texture through inherent grooves, alongside providing strong visual appeal with its ash grey colouring.

A modern alternative to timber boards, an advantage to working with composite decking is that it does not warp or rot and therefore requires very little maintenance.

Furthermore, the decking is denser, harder and heavier than its timber counterpart, which removes the risk of splintering due to its Wood Plastic Composite (WPC) construction. Additionally, the durable decking planks benefit from being anti-slip as the Trekker boards are resistant to algae – positioning the product as the perfect choice for a family home.

With the help of Trekker, this beautiful contemporary home has been enhanced with an exterior decking solution that delivers on both performance and visual appeal.

Trekker Global is part of the Havwoods International Group

To view the complete collection, please visit one of our Havwoods showrooms: hvwoods.co/showrooms

Architect: Doug Smith with assistance from Sam Clarke
Photography: Calvert Studios



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AWARD-WINNING LONDON BUILD

DEKTON® WAS THE FAÇADE MATERIAL OF CHOICE FOR ANOTHER ESSENTIAL LIVING DEVELOPMENT – UNION WHARF - THANKS TO ITS SUSTAINABILITY CERTIFICATIONS AND HIGHEST FIRE RESISTANCE CLASSIFICATION

The revolutionary ultra-compact surface, Dekton® by Cosentino has been specified as the façade of a multi award-winning residential build in the heart of London. Two 23-storey tower blocks in Greenwich, the Union Wharf Creekside Buildings have created 249 homes to rent in south London. One of the tallest modular buildings in the UK, the project was the first in the country to cater solely and specifically for families, with buggy storage, acoustic noise insulation and an on-site nursery for parents with young children.

Involved from inception to completion, Cosentino worked closely with architects Assael and HTA over five years to help deliver the best design and finish. 3,000m² of Dekton® was specified for both towers in the Union Wharf development, adorning the top penthouse level and down two sides of both buildings. Developers,





This project demonstrates both a practical and aesthetically pleasing façade, which integrates with the window layout while complementing the innovative location.

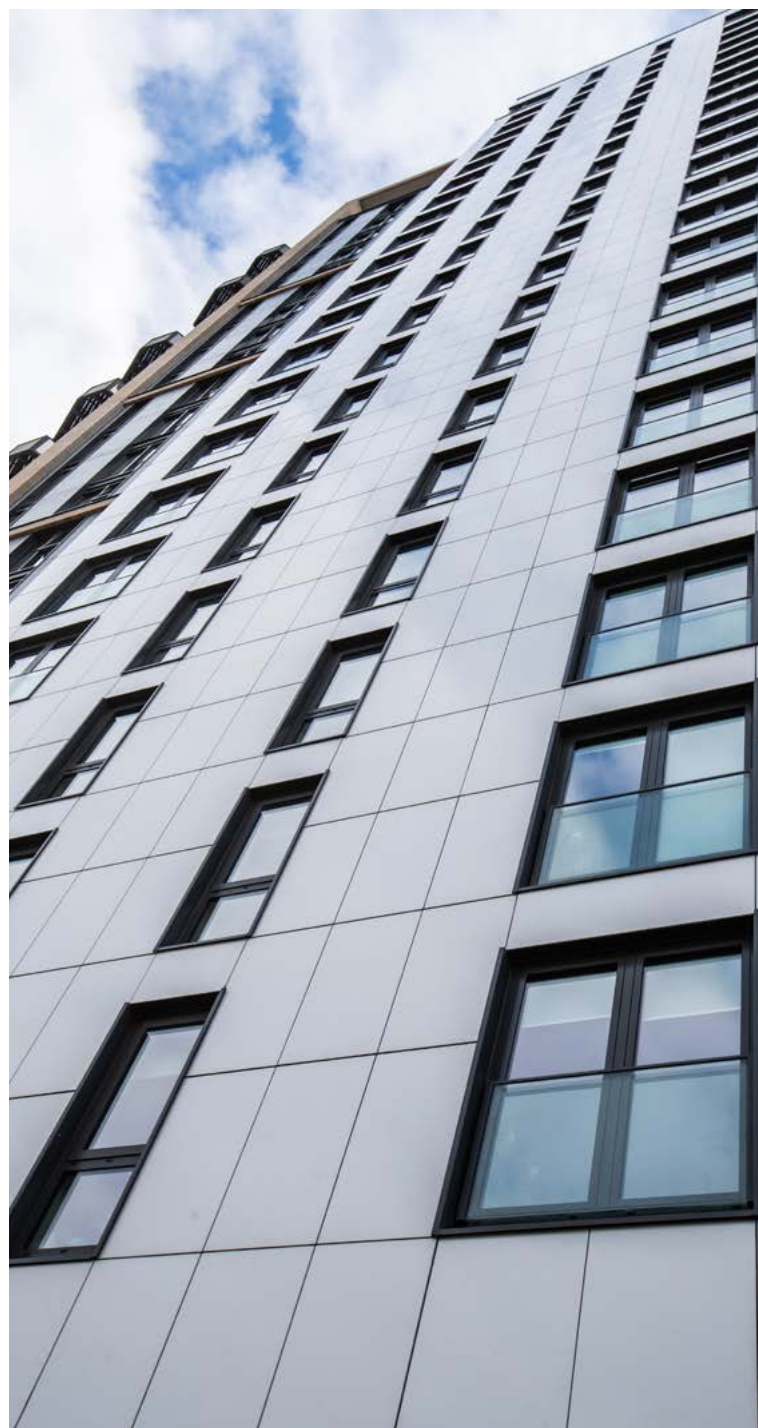
Essential Living, utilised Dekton® in a large redevelopment project, Vantage Point Archway Tower back in 2017, making this an easy decision for subsequent projects.

With high rise façades being one of the key news topics in the UK, the imitable benefits of Cosentino's revolutionary Dekton® material, including safety, sustainability and energy efficiency, are all paramount considerations, especially within living quarters. Boasting LEED** and BREEAM*** certifications in environmental and sustainable design, as well as the highest classification in terms of fire resistance: A2 s0 d1 for 12 mm, Dekton® by Cosentino's durability, ease of installation, consistency in colour and thickness as well as high scratch resistance and low porosity makes it the ideal surface for façades.

Dekton® also offers high resistance to ultraviolet rays, frost and thawing, as well as colour stability and high stain resistance, which results in it being an ideal material for use on exterior ventilated façades. Cosentino's National Façade Manager, Simon Hope comments "This project demonstrates both a practical and aesthetically pleasing façade, which integrates with the window layout while complementing the innovative location. The result is a striking finish utilising a product that benefits from strong eco credentials and cutting-edge technology - all helping to meet the client's brief."

In addition, carbon neutrality has been achieved for the entire life cycle of Dekton®, from the extraction of the raw material and the calculation of the direct and indirect emissions from its production cycle (and those derived from its use), to the end of the product's life. This milestone is a result of the strong measures taken by Cosentino to achieve greater efficiency in terms of energy, consumption of resources, use of renewable electricity and sustainable mobility policies.

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SIMPLISTIC & NATURAL

EGR CONNECTS LUXURY HOSPITALITY WITH A RELAXING ENVIRONMENT ON MORE LEVELS THAN ONE...

A major hotel renovation and refurbishment in London is using its building fabric to connect with its environment, adjacent to one of the capital's most historic green spaces.

London + Regional (L + R) Hotels' Nobu Hotel Portman Square runs along the east side of Grade II listed Portman Square, and is a complete remodelling of the former Radisson Blu. The 19,500m² hotel is constructed in two blocks up to 12 storeys high, linked at ground level by a double-height glazed atrium.

The five-star hotel's aesthetic has drawn on Japanese design principles, focusing on simplicity and natural over artificial. Thus, the roofs of the atrium and the ground floor retail area are both sedum blankets, delivered by Eco Green Roofs Ltd (EGR) for roofing contractor Able Waterproofing Ltd on behalf of main contractor Edgewater Contracts & Specialist Joinery Ltd.

Sedum roofs offer an aesthetically vibrant finish with colour all year round, offering a low maintenance living roof solution. They also offer at least 90% coverage from install, delivering instant effect. This inadvertently proved crucial to the build, as L + R had a fixed opening date (during the second pandemic restrictions), and therefore before some of the finishing touches- including one of the sedum blankets- were installed.

Able Waterproofing Ltd ensured the building was watertight by using single ply roofing across all roof areas.

Installed was EGR SB Sedum Blanket Green Roof System on to the waterproofing, by overlaying with EGR DBR cusped drainage board, added EGR filter layer and EGR extensive substrate, completing the roof with EGR Sedum Blanket. The growing layers of extensive substrate and sedum have been carefully researched and formulated by EGR to balance water retention and drainage for the sedum whilst minimising the risk of invasive species bedding whilst the sedum establishes.



EGR also installed a fall protection system around both green roof areas.

James Foster, Director at Able Waterproofing Ltd, explained, "The project was complex, due to the location and the restrictions that placed on access and deliveries; it was further complicated once work began by travel and work restrictions caused by the pandemic. We have a long-standing relationship with EGR: its ability to deliver a complete project from design through to completion, with comprehensive reporting and technical support at all stages gives us trust in EGR's professionalism, and the added peace of mind of a single source of accountability and communication throughout."

To find out more about the wide range of green and biodiverse roof systems EGR offer, download their system data sheets here, <https://www.ecogreenroofs.co.uk/technical>

Project in mind for green roofs? Please contact info@egr.co.uk for advice and support.

SUSTAINABLE ROOF SOLUTION FOR NEW BUILD PROJECTS

“PLANT PLANT PLANT”

‘Build, Build, Build’ acknowledged in planned reforms to put infrastructure at the centre of the Government’s economic growth strategy.

Part of this announcement has emphasised the importance in safeguarding the UK’s natural environment by utilising methods in ‘capturing and removing CO2 from the atmosphere, protecting precious biodiversity, and connecting people with nature’. (Gov.UK)

Green roofs and roof terraces/podiums can provide mentally beneficial spaces for occupants, as well as the ability to combat extreme climate conditions.

The key benefits gained from the utilisation of green roofs across developments in our inner cities include:

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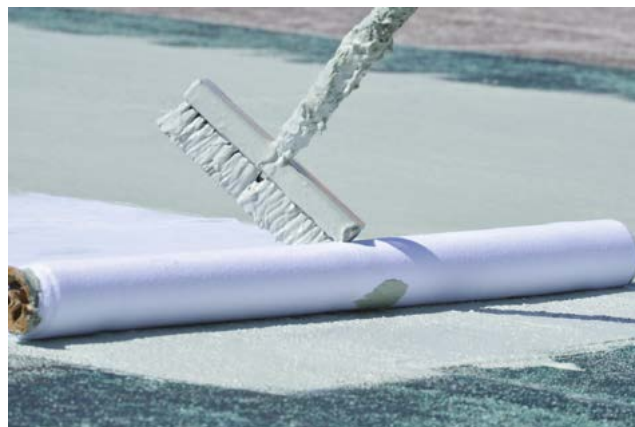
ONE COAT ROOF SEAL SYSTEM - 100% WATERPROOF HYBRID BARRIER FOR ROOFS!

With unseasonal downpours currently being experienced on a weekly basis, this is a season where integrity issues associated with roofing installations, repairs and maintenance are proving a challenge to say the least.

Over the past 12 months, the roofing and construction industry has had to adapt, and traditional ways of working have continued to be challenged across the roofing sector due to raw material shortages, labour cuts and working conditions.

The specification of any roofing installation, whether new or refurb, must address the repairs required, compatibility of new waterproofing system with existing substrate and load capabilities. Producing a system that best fits the brief in terms of buildability and performance as well as visually looking appealing can be complex. As roofing products technology improve there is the opportunity to not necessarily replace like-for-like but instead upgrade to improve the installation, and this does not have to come at an extortionate cost.

The cold applied liquid membrane market has been steadily growing over the years. Although not new technology, the benefits to both user and customer have seen an increased demand for this type of product. Benefits and advantages of specifying



and installing lightweight, flexible systems for commercial and domestic markets provide a straightforward solution, a product that can be managed by installers without risk; as opposed to having to use traditional lead based, torch-on or hot melt products that come with substantial health and safety issues.

Weather changes also affect waterproofing systems: when it is hot some membranes can set too quickly through water evaporation, leading to holes and voids. Likewise, when it is cold, (below 5°C), curing times can be significantly affected, and not cure at



all, leaving it soft on the inside and thereby not adhering to the substrate. And in freezing conditions ice crystals can destroy the structure – all leading to roofing failures. This makes it difficult for contractors to install waterproofing systems in extreme weather conditions and until recently, it was generally the norm that roofing systems couldn't be laid for at least 24 hours after rain, or where high levels of humidity or freezing conditions were experienced.

The new generation hybrid liquid membranes however have been developed to combat these problems. Not only can they be applied at below freezing temperatures (when used with a catalyst or accelerator) they can also be installed on to wet surfaces or whilst it is raining. They also boast rapid curing times, a huge benefit when refurbishing occupied premises where time on-site can be limited. This also helps reduce labour costs.

Not only do these systems deliver a visual enhancement of the roof they offer all the expected performance characteristics required for waterproofing flat roofs: ease of application, improved temperature resistance and stability as well as substantial health benefits and long-term durability and extended lifespan, when well-maintained and treated with appropriate care.



There are many things to consider when choosing the right product but with Bond It's Seal It One Coat Roof Membrane waterproofing situations are made easy and comes with added benefits!

Seal It Liquid Membrane is a one coat roof sealer, applied by spray, brush or roller, offering an alternative to traditional GRP, PU, silicone and bitumen roof coatings. Highly reflective, solvent-free, and non-flammable, it is designed to be used on its own as a one coat membrane or can, in more demanding situations, be used in conjunction with a primer, accelerator, reinforcement mat and edging sealer. Altogether the system delivers a high performance, watertight, permanently flexible, durable barrier coating for all existing roof substrates, and requires no special training to apply.

With primerless adhesion to many substrates including metal, wood, brick, polyester, glass, lead, bitumen (when used with a primer), tile, plastics, polycarbonate, and concrete. It is cold applied and ideal for repairing flat roofs, pitch roofs (less than 10°), leaking flashing, guttering and roof lights and cracked roofing panels, corrugated or plate roofing materials, zinc, steel, fibre-cement and façade panels creating an impermeable seal to repel water damage and provide resistance to degradation from natural weathering like rain, snow and sunlight.

Based on advanced hybrid technology, developed in the UK by Bond It's chemists, this product remains permanently flexible once cured and will not harden or soften even under extremes of weather, temperature, UV radiation and external chemical attack. Excellent resistance to ageing, ultra-violet and discolouration. Under test conditions, Seal It Liquid Membrane was shown to have superb cool roof thermal properties, and is now a CRRC rated product and is more efficient than solar reflective paint, all helping to reduce energy costs. Available in grey and white, 5L and 20L tins.

For more information on Seal It One Coat Roof Membrane contact our sales office on: 01422 315300 or visit our website: www.bonditgroup.com

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As a board member of The Green Roof Organisation (GRO), James Beattie of Pritchard and Pritchard guides best practice within the Green Roofing industry in the UK. We work only with green roof systems which meet the high standards set by The Green Roof Organisation. Pritchard and Pritchard are also members of the National Federation of Roofing Contractors, the British Association of Landscape Industries, Builders Profile and Constructionline (BSI certified building contractors network) – collectively these accreditations demonstrate our commitment to best practice and safety.

We work with construction businesses, property developers, architects, landscape architects and private owners to deliver excellent work consistently.

Our Nationwide works currently include 'Wimbledon Grounds' with a collective blue roof application of 15,947 m², this ground-breaking project from Galliard Homes leads the way in



sustainable development. The 'blue roofs' will be able to hold up to 1 million litres of water after intense rainfall, which will be released slowly back into drainage systems, mitigating urban flash flooding.

If you need green roofing specialists for your project call us on 0203 633 5676 to discuss further or email your plans to info@pritchardandpritchard.co.uk for a full no obligation quotation.

www.green-roofs.co.uk

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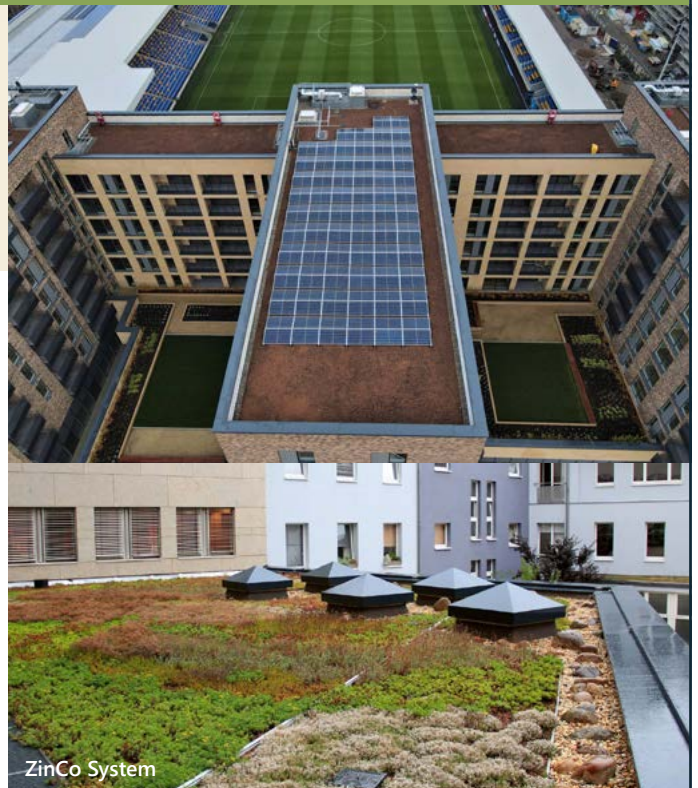
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1 PANASONIC AQUAREA UNITS RECEIVE PASSIVE HOUSE COMPONENT CERTIFICATION

Panasonic Heating & Cooling Solutions has announced its highly efficient Aquarea All-in-One Compact and Bi-Bloc[1] heat pumps, as well as its Heat Recovery Ventilation Unit, have all been certified as a Passive House Component by the respected Passive House Institute (PHI). PHI is an independent research institute that has played a crucial role in the development of the Passive House concept, which is considered a building that is 'truly energy efficient, comfortable, and affordable at the same time'. It is the only internationally recognised, performance-based energy standard in construction.

Find out more about Panasonic solutions at www.aircon.panasonic.eu/GB_en/ Certified Passive House component models can be found at www.database.passivehouse.com

2 PROTECT EV CHARGING POINTS

Brandsafe, the Impact Safety Specialists, has developed a resilient and cost-effective product range to protect EV charging points from costly vehicle impact damage. There are currently in excess of 30,000 EV charge points across the UK in over 11,000 locations*.

This new range includes impact protection posts and bollards, vehicle wheel stops, as well as protection for nearby signage and lamp posts. If needed, Brandsafe can also design, supply and install custom Armco safety barrier layouts for added coverage on-site.

Standard product packages have been created by Brandsafe to suit domestic, commercial and industrial applications, but customers can also opt for bespoke solutions to suit their individual project requirements. Visit the Brandsafe website for more details on this range.

*According to www.zap-map.com
www.brandsafe.protection.com

3 CONSORT CLAUDGEN LAUNCHES NEW ELECTRIC HEATING BROCHURE

The new Heat brochure introduces 3 large recessed air curtains ranging from 8kW to 24kW rating, and 2 downflow fan heaters. The RAC-HL air curtains feature 8 heat settings, 8 fan speeds, and are simple to install and maintain. They are supplied with a colour touchscreen electronic controller that is loaded with smart features and easy to programme. The DF2 and DF2SL downflow fan heaters provide rapid warmth and adjustable heat output of 1kW or 2kW at installation. The DF2 has a pull cord switch that operates on a 30-minute run-back timer. The DF2SL has a variable thermostat and requires a separately purchased wireless controller. Both are suitable for use in bathrooms, kitchens or drying rooms.

www.consortepl.com
tel: 01646 692172

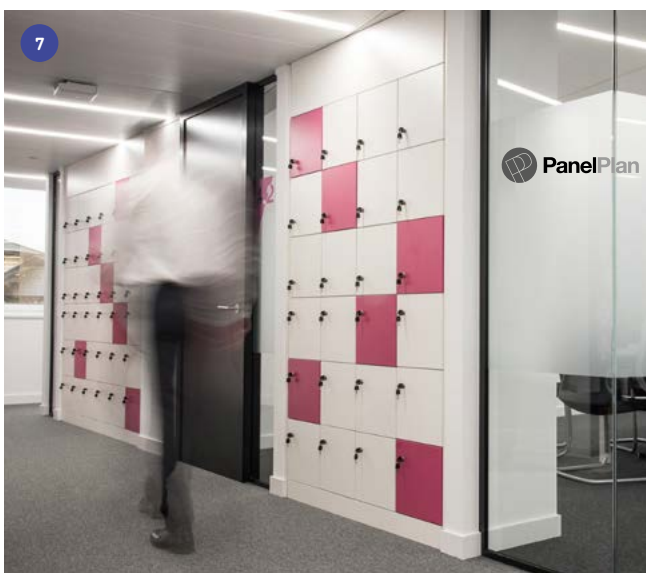
4 BOOK ON "RADICAL HOUSING" INSPIRED BY ANNUAL ARCHITECTURE COMPETITION

Now in its seventh year, the RIBA/Norfolk Europe (now part of West Fraser) competition is designed to encourage architects to push the creative boundaries when considering the use of SterlingOSB Zero the only OSB panel on the market which is net carbon negative.

2017's competition engendered something quite different too; the publication of a beautiful book, Radical Housing by Caroline Dove.

Caroline explains the story behind the book idea, "It was a panel discussion at the 2017 awards, which asked for designs for affordable multigenerational homes, that led to the idea of writing this book, so thanks are due to both West Fraser (Norfolk) and RIBA for the original inspiration.

For further information, call 01786 812 921 or visit Uk.westfraser.com



5

STYLE DELIVERS COLLABORATIVE WORKSPACE TO HEWLETT PACKARD OFFICES

In 2020, Hewlett Packard Enterprises relocated to The 210 Building, an inspiring office development in the heart of Winnersh Triangle. Working with architects, Perkins and Will, and BW Construction, Style was specified to create an extensive range of flexible space within the meeting rooms as well as a chic, collaborative working environment.

Using a combination of 52dB Dorma Hüppe semi-automatic Variflex glass moveable walls, 55dB solid semi-automatic Variflex moveable walls and Style's ingenious 'working wall' pivot panels, a supremely flexible and stylish training and meeting suite has been created. Hewlett Packard employees enjoy a contemporary environment with the freedom to rapidly change room configuration as often as required.

www.style-partitions.co.uk

6

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Once again, the field of chemistry has produced a product so outstanding, so different, as to revolutionise cleaning and polishing stainless steel.

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7

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We design, manufacture and install tailor-made products ranging from space saving storage walls to locker systems specifically created for contemporary office environments. We are also delighted to announce the arrival of our stunningly simple frame system - Kubo.

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8

PERFECTLY MATCHED

A pedestrian traffic control system that complements automatic doors has been introduced by GEZE UK providing both safety and security.

PACE, Pedestrian Access Control Equipment is a range of speed lanes and turnstiles that offer an efficient control of pedestrians in and out of buildings. More cost effective than manual checks and providing round the clock control in buildings that are operational 24 hours a day, they are ideal for controlling access to any part of a building that requires it, as well as the entrance.

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www.geze.co.uk
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9

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Jacksons Fencing's Jakoustic® Class 3 is a high security timber acoustic barrier which is tested and certified to LPS 1175 C5 and can reduce noise by up to 28dB. It can withstand attempts of forced entry using category C tools including an axe, hacksaw, drill, bolt cutters, and wood chisel. It can also be certified to F1 and G1, providing resistance to professional attempts at forced entry.

Constructed from a double layer of 34mm kiln-dried and pressure treated timber boards, and hot-dipped galvanised steel posts, it is guaranteed for 25 years. The flat profile provides an anti-climb barrier with no hand or footholds, and it can be topped with security spikes or alarm systems for increased protection.

Contact Jacksons Fencing today on 0800 408 4759 or visit our [website](#).

10

DESIGN CONSULTANCY

Since 2000, Space Group has been one of the UK's leading commercial catering design houses. They pride themselves in the quality and efficiency of their designs and strong relationships that they build with clients and design partners.

By using their wealth of experience, they can offer a specialist and truly independent, technical catering design consultancy service. This allows them to engage with architects, project management companies or clients directly, to assist in producing fully detailed and technical design packs for all types of catering facility.

They can work closely with the client or QS to produce budget cost information and work collaboratively with other consultants through the various RIBA stages to produce a full design and specification tender pack.

www.spacegroupuk.com

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WINDERMERE MUSEUM PRIORITISES ACCESSIBILITY

Blending seamlessly with the beautiful lakeside setting, the £20m development that is Windermere Jetty Museum tells the 200-year story of boating in the region. Enhancing the native aesthetics of the main entrance building, TORMAX was contracted to install a double set of full height, automatic sliding doors, giving clear access for all visitors. Encouraging unhindered movement of pedestrians throughout the elegant new café, TORMAX also installed two, full-glass automatic swing doors.

Delivering minimalist automation, the swing doors are invisibly powered by in-house designed iMotion 1401 operators. Neatly concealed within the floor spacing, the 1401 door drives feature none of the working parts that commonly wear out, ensuring exceptional reliability and a long lifespan.

www.tormax.co.uk

12

PAXTON10

Paxton's combined access control and video management system, Paxton10, provides a simple, scalable security solution ideal for a range of environments. Access control and IP cameras regularly co-exist in the same buildings yet are rarely integrated due to the complexity. Paxton10 combines both technologies to remove complicated installation requirements and deliver the benefits of an integrated solution.

In their latest case study, Paxton explain how their combined access and video system provide a stylish yet cost-effective security solution for a newly refurbished, multi-occupancy office building in Shoreditch, East London. With Paxton10 users are issued free of charge smart credentials, allowing them to use their smartphone or smartwatch to access the building, via the free Paxton Key app.

www.paxton-access.com/specify-paxton



13

SILVER KITE ARCHITECTURAL IRONMONGERY

Architectural ironmongery specialist, Silver Kite, offers two distinct yet complementary ranges.

Their exclusive Arbor range is made by combining the beauty of wood with the hard wearing qualities of brass components. There are many different combinations of woods and finishes to choose from. The Classic range offers a wide selection of products available in a multitude of luxurious finishes.

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Silver Kite can also manufacture special products to suit a particular design requirement.

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www.leesan.com.

15

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16

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CUTTING EDGE BUILD

HSSP EMBARKS ON INCLUSIVE PROJECT TO BRING STATE-OF-THE-ART CRICKET FACILITIES TO HISTORIC LEICESTERSHIRE VILLAGE

Belvoir Cricket & Countryside Trust commissioned RIBA Chartered HSSP Architects to develop a £1 million new cricket pavilion and indoor coaching building. The completed project will provide exceptional facilities for local children to play the game, as well as a central social venue for the Belvoir sporting community.

This project will see the existing pavilion replaced with a state-of-the-art new pavilion and multi-use indoor coaching hall. The cutting-edge build will enable the trust to increase the number of primary age children and special needs youngsters who take part in its programmes by thousands more each year from just over 3,000 each year at present, as well as providing a valuable wet weather facility, and powering a wider range of 'forest school' activities.





Inclusivity is a vital component of this build, with all areas designed to be accessible. The Trust is committed to encouraging both able bodied young people and those with additional needs to get involved with sporting activities and to enjoy the countryside.

Set in close proximity to the historic Grade I listed Belvoir Castle, the facilities have been carefully designed to fit seamlessly with their picturesque rural surroundings. HSSP worked closely with Melton Borough Council, Historic England, and Knipton Parish Council to collaborate on a well-conceived and detailed plan that is sensitive to the setting of the registered park and gardens and the proximity of the adjacent listed buildings.

The indoor cricket school and maintenance store is a simple insulated clad building around a steel portal frame. A deep vertical timber fin detail is applied to the exterior to provide the appearance of a timber barn, whilst black cladding provides a subdued hue to the building against the backdrop of woodland planting. This element sits behind a traditional single-storey pavilion building, which boasts a traditionally pitched hipped roof in plain tile, with feature gables, and sits in harmony with surrounding local buildings.

The scale and mass of the project have also been carefully considered to respond to the context of the setting. The pavilion faces north west towards Belvoir Castle, and its design only minimally increases the width of the building when viewed from the Castle.

Nick Cooper from HSSP said: "In light of the Covid-19 pandemic it has never been more important to get children learning and playing outside for their physical health and well-being - and this new facility is great news for the children and young people of Belvoir. We worked hard to create a sympathetic design in keeping with the setting. We are fortunate to work in such a beautiful location and want to both protect it and allow more children to experience it."

More information: www.hssparchitects.co.uk



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