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Awards 2014

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This souvenir programme of the Stone Federation Great Britain Natural Stone Awards 2014 is produced by Excel Publishing in collaboration with the Federation.

The programme includes those projects that the judging panel of renowned architects, supported by a distinguished stonemason, have selected for recognition. The winning projects have been chosen for their exemplary design and execution of the stonework.

The clients, architects, main contractors, specialist stone contactors and stone suppliers are all recognised for their essential contributions to the successful projects.

The Natural Stone Awards 2014 are presented by
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Published by Excel Publishing
6th Floor, Manchester One,
53 Portland Street,
Manchester M1 3LD
Tel: 0161 236 2782
www.excelpublishing.co.uk

Printed in the UK by
Buxton Press, Buxton

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Natural Stone Awards 2014



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SANDBERG



ABOUT STONE FEDERATION



Who we are

Stone Federation is the trade association for the natural stone industry with over a century's experience in connecting architects, designers, specifiers and clients with the finest stone professionals.

We are passionate about promoting natural stone as the building material of choice as well as positioning ourselves as the source point for all things stone.

How we can help you

With the Federation's wealth of knowledge and experience in the industry, and a membership made up of both the most well established and widely respected names in the industry, alongside the most innovative and creative of natural stone firms, we are well placed to resource you.

We can help you from project conception right through to the end and beyond, covering everything from stone selection through to finding a stone professional and from technical advice through to training.

From innovation in new build to heritage, the services covered by our members include quarrying, design, fixing, cleaning, restoration and construction of natural stone in all its various applications.

THE JUDGES ARE



John M. Burton, MBE, DipArch, RIBA, IHBC, AABC, Chairman of the Judging Panel. John is a partner of Purcell. He served as a member of the Cathedrals Fabric Commission for England and the English Heritage Places of Worship Panel. John is an experienced lecturer both in the UK and USA, on

conservation and restoration of buildings. He is Surveyor Emeritus of both Westminster Abbey and Canterbury Cathedral and Conservation Advisor to the Crown Urban Estate. John is Deputy Master of the Worshipful Company of Masons and a Liveryman of the Worshipful Company of Carpenters. John is Vice Chairman of the Georgian Group, and Chairman of their Awards Scheme. Having served on the National Trust Council, John is now on their Eastern Region Advisory Board.



Ingval Maxwell, OBE, DADun, RIBA, FRIAS, CAABC, ACA, FSAScot qualified as an architect in 1969 and spent his entire professional career dealing with the conservation of ancient monuments and historic buildings until his retirement from Historic Scotland in 2008.

He is past Chairman of the Scottish Vernacular Buildings Working Group, and past Convener of the Scottish Stone Liaison Group and Scottish Historic Buildings Fire Liaison Group. He represented the UK on the European Commission COST Action C5 programme 'Urban Heritage, Building Maintenance' and was Chairman of the European Science Foundation's COST Action C17 'Fire Loss to Historic Buildings'.

He served as a Member of the European Construction Technology Platform 'Focus Area Cultural Heritage'; a Trustee of the Charles Wallace India Trust, and sat on the EU Cultural Heritage Identity Card and AHRC/EP SRC Science and Heritage Advisory Groups. He is currently a member of the Journal of Architectural Conservation Editorial Advisory Board; an Honorary Member of the ICOMOS International Scientific Committee on Stone; an Advisory Board Member of Learn Direct and Build; Chairman of the Conference on Training in Architectural Conservation, and a Director of CyArk Europe.



Graham Lee BA, DipArch, RIBA is a former Partner of Sidell Gibson and now runs his own Architectural Practice in North London. With over 25 years' worth of commercial and residential stone experience, Graham lectures regularly on behalf of Stone

Federation in the areas of selection, specifying, detailing and testing. Passionate about the use of stone, he believes that the understanding of historic links between architecture and masonry is critical to good practice.



Ulrike Knox DipArch, RIBA, AABC is Cathedral Architect for Liverpool and Bradford Cathedrals and Principal of Knox-McConnell Architects having previously been an Associate with Purcell in York. She was the Project Architect for the

internal cleaning and conservation of St Paul's Cathedral, a major part of the Tercentenary Project that won the RICS Project of the Year Award in 2009. A Liveryman of the Worshipful Company of Masons, she has extensive experience in the care and conservation of stonework. Ulrike is a member of the Cathedrals Fabric Commission for England. She was elected President of the Ecclesiastical Architects & Surveyors Association in 2010 and is a member of both the Fabric Advisory Committee (FAC) for Ripon Cathedral and the Diocesan Advisory Committee (DAC) for Ripon and Leeds.



Paul Gibson, Bsc, BArch, RIBA studied mechanical engineering at London University and continued his studies at Canterbury School of Architecture and the Regent Street Polytechnic. After working for Norman Foster, Terry Farrell and Nick Grimshaw, and teaching in the USA, he commenced private practice in 1973, founding the Sidell Gibson Partnership with Ron Sidell, a practice famous for many of London's major stone-clad buildings.



Helen Weatherall, DipArch, RIBA is a Liveryman of the Worshipful Company of Masons.

She was formerly Partner of Morris and Weatherall Architects from 1980-1997, and Marshall Sisson Architects from 1997-2012. Recently retired AABC and FRSA, and a previous Board Member of ACCON Ltd for AABC Register 2002-2005

Helen has over 30 years' experience working with the repair and conservation of ecclesiastical buildings and the use of stone, having been Inspicing Architect for churches in four Dioceses, and English Heritage Commissioned Architect from 1994 to end of term commissions. She was an architect for The Churches Conservation Trust from 1999 until retirement, and an Associate Member of ICON.

She has also previously been Conservation Architect member of both Peterborough and Lincoln DACs, and Lincoln Redundant Churches Uses Committee. Helen was President of the Ecclesiastical Architects and Surveyors Association in 1998.



Sean Collins (Technical Advisor) started training at John Bysouth Ltd in 1987 and completed a four year apprenticeship followed by three years as a draughtsman, the third year as Drawing Office Manager. During this time he worked on many prestigious buildings, including Buckingham Palace, St James's Palace, Windsor Castle

and the Houses of Parliament. In 1994 he started as Workshop Manager for Boden & Ward Ltd and in 1999 formed Boden & Ward Stonemasons Ltd.

AN INTRODUCTION

On behalf of Stone Federation Great Britain and the Natural Stone Awards judges, I would like to thank all those who entered this year's competition. It was pleasing to see such a high number of entries in spite of the fact that many of these projects were completed during the recession. This is encouraging as it shows that clients are continuing to invest wisely by specifying natural stone.

Natural stone projects of all types and sizes from across the UK were entered in this extremely prestigious competition. Both the judges and I were pleased to observe that stone was being utilised in such a wide variety of ways, demonstrating the material's versatility, durability and timeless beauty as well as its green credentials.

It was also pleasing to note the amount of natural stone specified by local authorities in streetscapes. The selection of the stone coupled with the craftsmanship, made for some fantastic examples of stone seamlessly merging with the existing spaces. The projects help raise the quality of our built

environments and should be commended accordingly.

Some of the best examples of the use of natural stone, both in buildings and landscapes, have been seen in educational facilities. This is testament to the foresight that these establishments are showing by choosing natural stone for its durability, low maintenance and perpetuity, whilst other authorities are choosing glass and steel. It would be interesting to compare the long-term cost of maintenance and durability between these projects in the future. Both the judges and I hope that city planners take note of this trend and return to specifying stone with longevity, sustainability and value for money in mind.

All in all this has been a pleasing sweep of entries, displaying once again, that natural stone is a material that affords a range of applications, from the minimal to the ornate, from external to internal and from large scale projects to smaller jobs.

Jane Buxey,
Chief Executive Stone Federation Great Britain

Award category: SUSTAINABILITY

Highly Commended: Hillstone Self Build Home, Cornwall

Client:

Mr & Mrs Jarvis

Architect:

Jason Jarvis, CSA Architects

Principal Stone Contractor:

Leighton Paull

Stone Supplier:

Lantoom Ltd

Stone Used:

Caradon Granite

This project was for a new family house for the architect, built in a rural hamlet near St Austell, Cornwall that aimed to make a home that was part of the landscape. The stonework plays a central role in achieving that objective both in the use of the

materials and in the detail of the design which is drawn from the locality. The design features random granite walling, which is laid to have a three degree batter, giving a distinctive character to the architecture.

The stone was sourced by buying waste blocks from a local quarry, which were delivered to the site unsorted. This involved buying extra land to gain space to lay them all out. The architect and his mason then selected blocks by size and the choice of battered walls allowed all the varying size stones to be used. The very thick walls are detailed

with windows tucked inside so that reveals looks substantial, and the walls feel pleasantly robust. Eaves are clad with slate to minimise maintenance.

The use of so called 'waste' blocks from a very local source has led to a low energy house which is a fine example of sustainable design.

The combination of high thermal mass, high levels of insulation and solar gain, results in a low energy building with stable interior temperatures in summer and winter. The building was relatively cheap to build, is cheap to heat



and very, very low maintenance. The massive stone walls also provide superb acoustic insulation quality. This provides a tranquillity within the building that is reflective of the peaceful landscape in which it sits.

The combination of architecture, materials and masonry skill is a case study in how to build a beautiful modern and sustainable building on a tight budget with a constrained plot.

Highly Commended: 210-211 Piccadilly, London

Client:

The Crown Estate

Architect:

Nick Jackson, Eric Parry Architects Ltd

Main Contractor:

Lend Lease

Principal Stone Contractor:

PAYE Stonework & Restoration Ltd

Stone Supplier:

Albion Stone PLC

Stone Used:

Portland Stone

Situated in the St James' Conservation Area, this project involved the dismantling and re-erection of the façades of 210-211 Piccadilly, a structure

originally built in 1890.

The building has been subtly stretched upwards to give a 3m increase in overall height. The process involved removing all of the existing façade units, storing them off site for two years and then reassembling them together with the new courses. The scale and quality of the new façades is sympathetic to the original design.

This type of construction process – where stones are dismantled and reassembled, is not a novel technology but

what is pleasing in this case is in the care that has been taken.

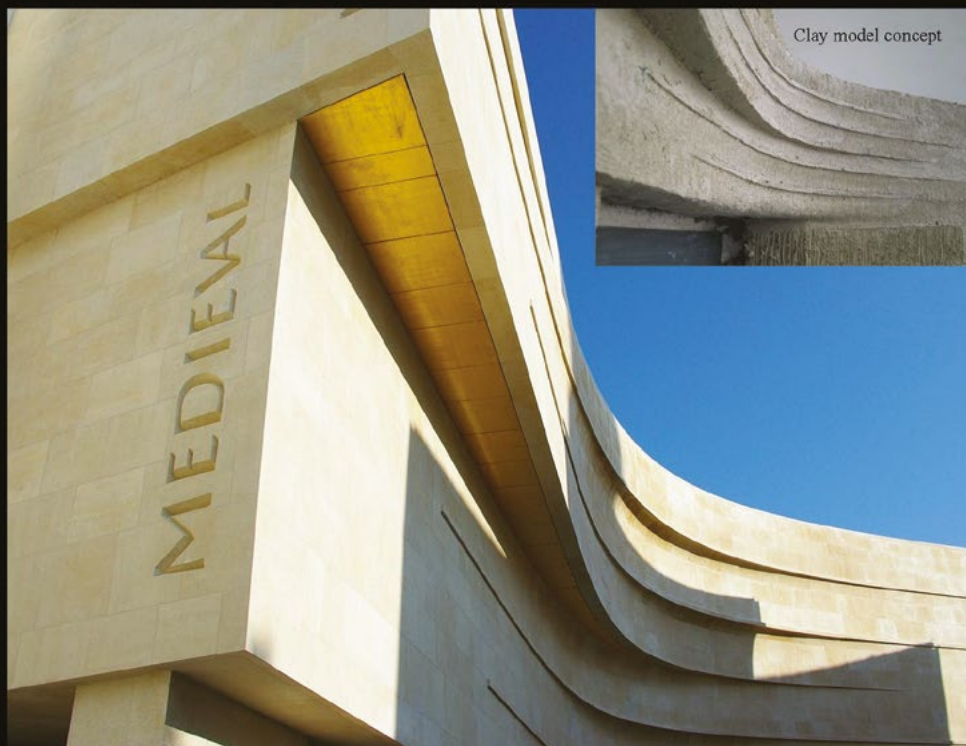
One challenge faced by the stonemasons was with the deep reveal and projecting cornices. This involved determining the structural load path through the building and how to temporarily support the structure to prevent partial collapse prior to commencing the dismantling. With some stones weighing in excess of one tonne and with moulded finished faces, extreme care was required to dismantle the masonry.



The judges felt that this project is a great success and represents what can be achieved when re-using existing façade stones.



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Contact Elaine Marson: Elaine@bathstone.com or Matthew Hawker: Matthew@bathstone.com

Award Winner: Waterford Medieval Museum, Ireland

Client:

Waterford City Council

Architect:

Rupert Maddock, Waterford City Council Architects

Main Contractor:

Tom O'Brien Construction Ltd

Principal Stone Contractor:

S McConnell & Sons Ltd

Stone Supplier:

The Bath Stone Group

Stone Used:

Bath Base Bed & Top Bed

Waterford Medieval Museum is a new architectural landmark and major visitor destination in the Southeast of Ireland. The museum is located in the urban quarter, the oldest part of Waterford City and at its vibrant cultural heart, known as The Viking Triangle.

The project objective was to design a building that would strengthen the historic characteristics of the site while, at the same time, creating something new and contrasting with the existing architecture.

The judges were impressed by the impact that this project had in the townscape. There were some interesting vistas through the building towards the Medieval Museum which were pleasingly terminated by the new structure.

The technical challenges related to the construction of this building were immense. Each stone was different and the variations related to the curvature of the building meant that a very sophisticated software package had to be used in order to design the building and cut the stones.

The execution of the construction was extremely good and the project certainly showcased a number of important crafts. The joints were regular and very narrow and the usage of a lime mortar meant that there were no



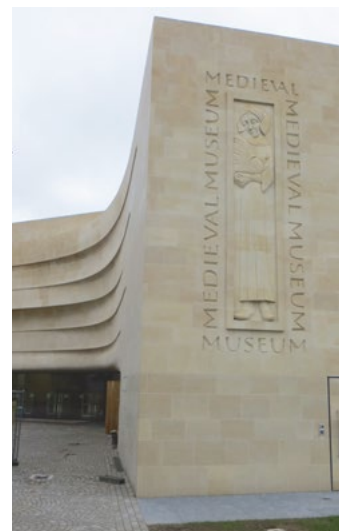
unsightly expansion joints. The curves run into one another very smoothly. The building is weathering well as the overhangs and detail of drips has meant that staining on the

face of the building is avoided.

The judging panel were very impressed by the finish of the building, the design and the choice of materials.



"The judging panel were very impressed by the finish of the building, the design and the choice of material."



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Church of St Margaret,
Crick, Northants

Highly Commended: 14 Grosvenor Street, London

Client:

Gatehouse Bank Plc

Architect:

Tim Gledstone,
Squire & Partners

Main Contractor:

Sir Robert McAlpine Ltd

Principal Stone Contractor:

Szerelmey Ltd

Stone supplier (1 & 2):

Albion Stone PLC

Stone supplier (3):

Marmi Ltd

Stone used (1):

Portland Jordans Whitbed

Stone used (2):

Portland Bowers Roach

Stone used (3):

Portuguese Moleanos
Limestone

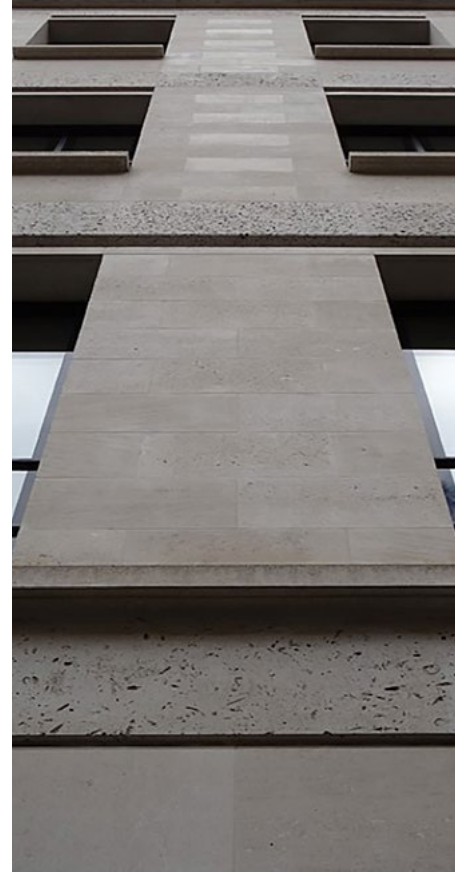
Located in the heart of London's Mayfair, this contemporary office building, 14 Grosvenor Street, utilised natural stone to tie into the existing streetscape.

The building is an example of simple, yet elegant use of natural stone. It is proportionally very pleasing with well-chosen stone. The careful choice of contrasting stones between the exterior and interior has linked the two in a most satisfactory manner.

The project utilised two varieties of Portland stone, the smooth Jordans Whitbed that ties in well with the surrounding lower level streetscape of stuccoed Georgian, and the Bowers Roach, which features fossilised shell voids and fragments. This offers a discrete textural variation to the masonry façade that is very pleasing on close



inspection of the exterior. The inherent features of the Roach are more explicit with its use in the interior, where the care and attention to its mortar bedding and jointing readily endorses the quality control that has been exercised throughout the project.



Highly Commended: Science Building, St Paul's School, London

Client:

St Paul's School

Architect:

David Tompson,
Nicholas Hare Architects LLP

Main Contractor:

Mace Plus Ltd

Principal Stone Contractor:

Putney & Wood Ltd

Stone Supplier:

Marshall's Stancliffe Stones

Stone used:

Fletcher Bank

In 2006, St Paul's School, Barnes began a long-term redevelopment plan, and the Science Building was the first to undergo work.

The new structure sought to both provide an appropriate architectural response to the neighbouring Castelnau conservation area, and serve as a quality benchmark and catalyst for the school's future redevelopment.

Fletcher Park Sandstone has been used on the façades of this very modern piece of architecture. There is a cantilevered blade of stone on its main elevation juxtaposed with a large four storey arch to designate the entrance. The Fletcher Park units have very rich veining and other inclusions, which, rather than being selected out, are on full display at the lower levels. This was a deliberate choice by the architect and celebrates the naturalness of the stone.

This combination of strong, plain, rectilinear shapes contrasted with the interest in the face of the stone, makes for an extremely good example of how modern architecture does not have to turn its back on traditional materials.

The quality of the build is extremely good. Joints are clean



and crisp and the surface of the façade is plumb and straight. There is a horizontal movement joint half way up the blade wall which has been so well applied it is almost invisible.

The judges were very impressed by this building. It uses lots of natural stone in a modern context, has been very well installed and properly detailed.





Regeneration, regeneration, regeneration.

Pupils at Bolton School returned to a new £7m sixth form centre in September 2013 designed by architects Cassidy + Ashton and built by Seddon Construction. The Riley Sixth Form Centre features a new common room, IT suite, café, multi-use study spaces and outdoor areas. The design of the sixth form centre intended to complement the school's existing grade 2-listed buildings. The sixth form centre will cater for 400 pupils and bring together girls and boys for the first time, although they will still be taught separately. The central quadrangle, now completely car-free and pedestrianised with Hardscape's granite mix of material, completes Lord Leverhulme's original vision for the school based on the colleges of Oxford and Cambridge Universities.



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Commended: Riley 6th Form Centre, Bolton School, Greater Manchester**Client:**

Bolton School

Architect:Lawrence McBurney,
Cassidy + Ashton Architects**Main Contractor:**

Seddon Construction Ltd

Principal Stone Contractor:

Stone Central (NW) Ltd

Stone Supplier (1):

Realstone Ltd

Stone Supplier (2):

Hardscape Products Ltd

Stone Used (1):

Cove Red

Stone Used (2):

Royal White Granite

Designed by Cassidy + Ashton, the Riley Sixth Form Centre features a new common room, IT suite, café, multi-use study spaces and outdoor areas.

The school's original buildings consisted of a classroom block for girls and a classroom block for boys linked by the

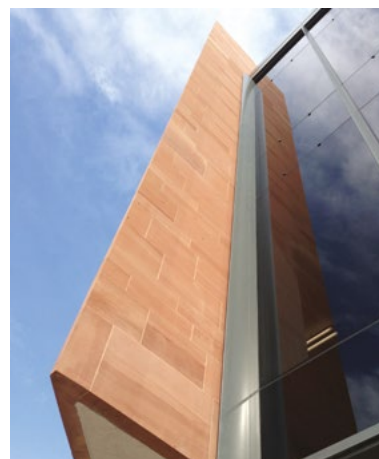


administration building, with an entrance arch leading to what Lord Leverhulme, the founder, envisaged as an Oxbridge college layout for the school. The original buildings are constructed in a red sandstone.

The new building completes the quadrangle, and produces a strong focal point as you pass through the arch. The central

building, clad in stone, visually links the school quadrant together. The site has developed over the years and this new building also draws the other factions of the site together. The choice of stone which matches the existing buildings, its 100mm thickness and the detailing of the stonework, results in an excellent building.

The building is in a curved form,



in a truncated mandorla shape. Built primarily of glass and stone on a steel frame, it sits very well in the space provided by the existing buildings. The stone used is a red sandstone, Cove Red, from Dumfries in Scotland. It is a very good choice for its location.

The stonework had benefited from maintaining a high level of quality control throughout the project.



The Worshipful Company of Masons' is pleased to support the Art in Stone Award in the Stone Federation Natural Stone Awards 2014 (see page 29).

The Masons' Company is one of the City of London's oldest livery companies with records dating back to 1356. It was formed to safeguard the welfare of its members and to regulate the craft of stonemasonry ensuring that standards are properly maintained.

Today The Masons' Company is very active in support of the craft by sponsoring students and apprentices on approved courses in masonry and stone carving. It fosters, encourages and rewards stonemasons at all stages of their development including the award of Master Stonemason status as the pinnacle of the craft.

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Award Winner: Bomber Command Memorial, London

Client:

RAF Benevolent Fund

Architect:

Liam O'Connor,
Liam O'Connor Architects

Main Contractor:

Gilbert-Ash Ltd

Principal Stone Contractor:

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Stone Supplier:

Albion Stone PLC

Stone Used:

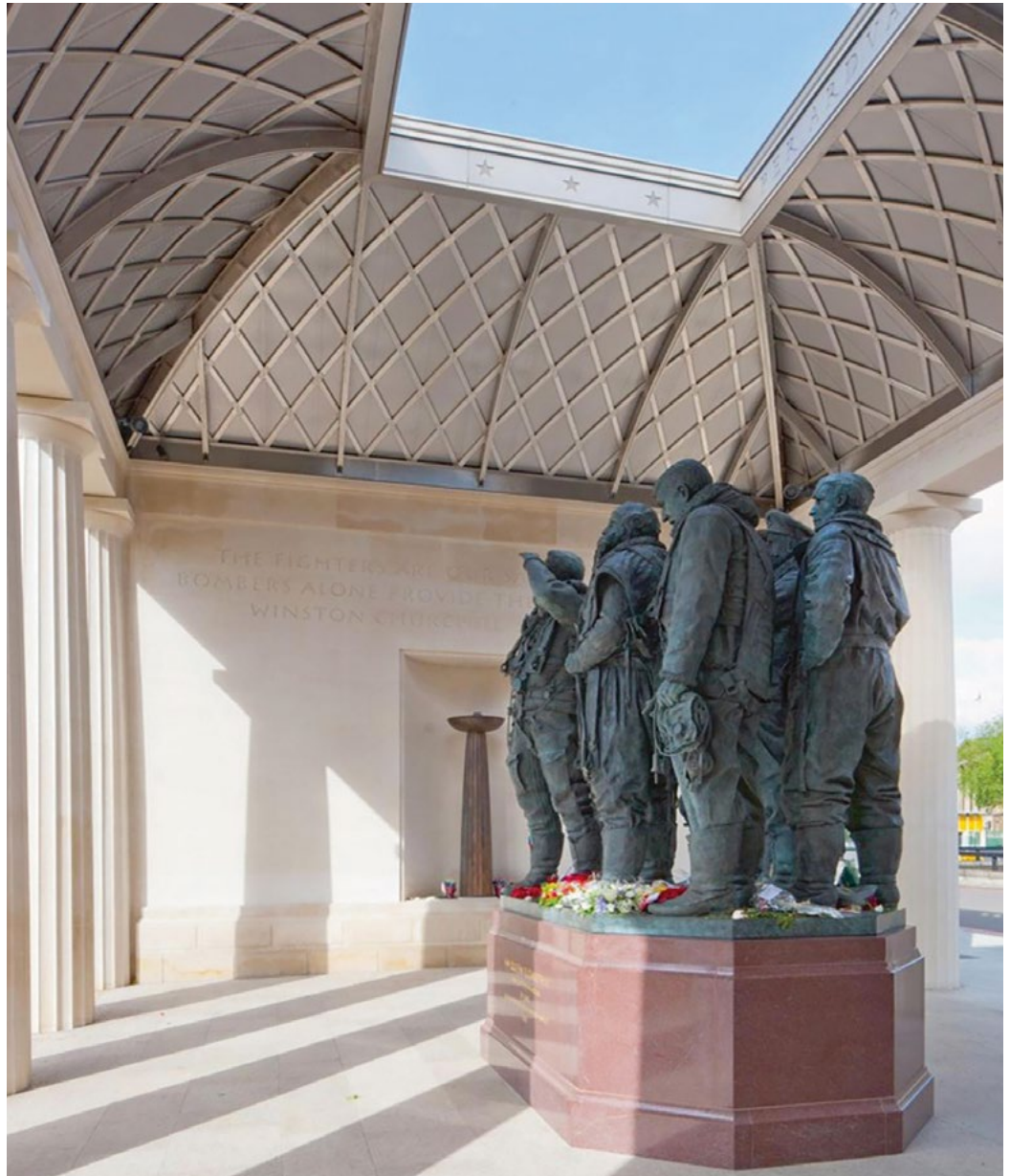
Jordans Whitbed &
Jordans Basebed

Built in London's Green Park, the Memorial commemorates the 55,573 crew members of the RAF's Bomber Command who were killed between 1939 and 1945. The Memorial, completed in 2012 ahead of the Queen's Jubilee, involved quarrying and mining some of the largest stones ever extracted from the Portland site, incorporating some 365m³ of Jordans Whitbed and Basebed stone. The Memorial utilises the enduring quality of stone that appropriately befits its purpose.

The striking design incorporates classic Doric columns that are exquisitely worked and faithfully detailed. The column entasis and capitals are perfectly and uniformly formed in every case, as is the detailed blocked base-work, architrave, eaves course and balustrade mouldings. The plane-faced ashlar at work is equally refined, with paper-thin jointing, sharp arises and perfectly aligned façades.

The 'Strike Hard Strike Sure' Bomber Command and 'Per Ardua ad Astra' Royal Air Force emblems have been exquisitely worked in recessed and progressive bas relief, as has the incised textual dedications to the airmen.

All told, this is an exemplary piece of masonry design, detailing, craftsmanship and flawless on-site construction. It is fully deserving of the highest award in its category.



"All told, this is an exemplary piece of masonry design, detailing, craftsmanship and flawless on-site construction."





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Award Winner: Sixty London, Holborn

Client:

AXA Real Estate in partnership with Favermead Ltd

Architect:

John Bushell,
Kohn Pedersen Fox Associates

Main Contractor:

Balfour Beatty Construction Services UK

Principal Stone Contractor:

Stirling Stone Ltd

Stone Supplier:

Portland Stone Firms Ltd

Stone Used:

Portland Perryfield Whitbed

Other Companies Involved:

Spectrum Stone Ltd

Harry Gray Studio

Located next to the Holborn Viaduct, Sixty London was a project that looked to design a large new premium office building on the site previously occupied by Bath House. Integral to this was the requirement to reinstate the last of four intricately detailed and carved Portland stone gatehouses to represent the original design for the viaduct.

Perryfield Whitbed was the stone chosen and has produced a crisp, clean finish which the judges were particularly impressed with. Furthermore, even at close quarters, the architectural quality and robustness of the replacement masonry corner building, more than holds its own.

Part of the Gatehouse's success was ensuring that the appointed contractor had single line responsibility for the complete stone package and all its intricacies. It is clear that the complete integration of the extremely detailed working drawings, cutting schedules, profiles and fixing details contributed much to ensure the success of the rebuild. In no small measure this has been due to the choice of stone and the subsequent monitoring of the quarrying and production processes,



"...the stone chosen and has produced a crisp, clean finish which the judges were particularly impressed with"



coupled with a rigorous quality approval system. Accuracy, authenticity and exemplary craftsmanship have emerged in consequence. Of particular note is the care and attention to detail that has run in parallel with the adopted methodology and approach with regard to the production of the carved coat of arms, arches, corner panels, Greek God features and other mouldings.



Highly Commended: The Palmery, Tedworth House, Wiltshire

Client:

Help for Heroes

Architect:

Les Canham,
Quinlan & Francis Terry LLP

Principal Stone Contractor:

Wells Cathedral
Stonemasons Ltd

Stone Supplier:

Portland Stone Firms Ltd

Stone Used:

Portland Perryfield Whitbed

The current Tedworth House, one of the most spectacular country houses in Wiltshire, dates back as far as 1828, and was in private ownership until the military arrival to Salisbury Plain in the late 19th century.

In 2011, the renovation and conversion of Tedworth House commenced, with the aim of inspiring the wounded, injured and sick and returning veterans to lead active,



independent and fulfilling lives. The house, a part of the Help for Heroes initiative, will provide education, training, sport and adventure in a relaxed environment.

The project, which used nearly 3000 cubic feet of Portland Perryfield stone, maintains high standards of impeccable traditional design



and craftsmanship. In terms of choice of stone, design and detailing, all is first rate.



Highly Commended: Bishop Edward King Chapel, Oxford

Client:

Ripon College, Oxford

Architect:

Niall McLaughlin,
Niall McLaughlin Architects

Main Contractor:

Beard Construction

Principal Stone Contractor:

Szerelmey Ltd

Stone Supplier:

Stamford Stone Company Ltd

Stone Used:

Clipsham Limestone

Ripon College, Oxford is one of the world's largest theological colleges. The chapel is a single storey structure that exemplifies this style of new build architecture.

The choice of Clipsham stone was an ideal selection for this project, both for its durability and compatibility with the stone used in the original buildings surrounding the college. The judges were impressed with the idea of using the material in different

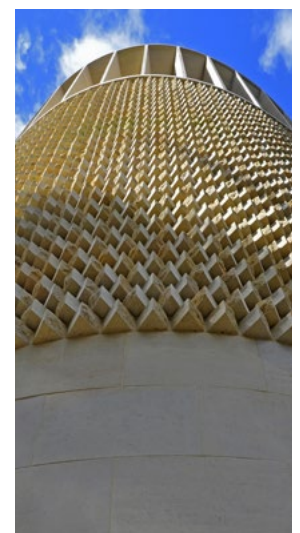


forms – ashlar to dogtooth to fins, works very well for the abstract shape of the building in the landscape. The shape of the structure was modelled around the contours of a pair of hands in prayer as well as making reference to the early Christian boat symbols. The chapel sits comfortably between the formality of the old college and the natural environment.

This entry shows a natural progression from traditional



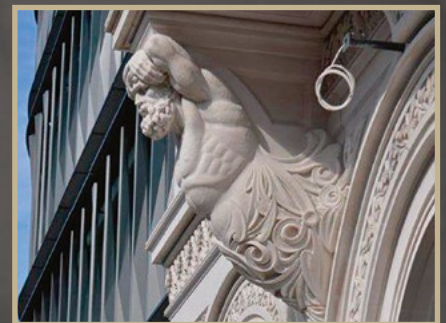
building forms and demonstrates what can be done with stone – it does not have to be framed in a formal context.





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Award Winner: The Guildhall, Londonderry

Client:

Derry City Council

Architect:

John Savage & Bronagh Lynch,
Consarc Conservation

Main Contractor:

H & J Martin Ltd

Principal Stone Contractor:

S McConnell & Sons Ltd

Stone Supplier (1):

Block Stone Ltd

Stone Supplier (2):

Dunhouse Quarry Ltd

Stone Supplier (3):

Realstone Ltd

Stone Used (1):

Peak Moor

Stone Used (2):

Corsehill

Stone Used (3):

Cove Sandstone

Originally built in 1887, The Guildhall had already seen a dramatic history before it underwent a large-scale restoration which began in 2010 and was completed in May 2013.

The central aim of the restoration project was to transform the building from the city's civic space into a multi-faceted visitor experience.

The Guildhall, which takes its name from Londonderry's connections to the City of London and its Guilds, saw restoration take place across

two phases, the first focussing on the external work and the second which addressed the internal redevelopment.

One significant challenge was the simple fact that the original stone sources were no longer available and therefore, research had to be undertaken to ascertain the most suitable alternatives for both the ashlar and block-rubble indents. Special care was taken to ensure that the alternative used was compatible with the original material's aesthetic appearance, function, weathering characteristics and durability. There was also particular attention to detail to the smaller individual indent pieces where careful paper-tight joints were adopted.

This epitomises the hallmark of successful conservation work.

There is little obvious visual sign with the finished building project, of the substantial work that was required. The hallmark of successful conservation work producing the most appropriate results.

Consequently, the building has emerged in a safe and secure condition ensuring its future wellbeing.



"The project is a textbook example of how to carry out a major and challenging masonry conservation scheme in a highly successful manner."



Highly Commended: Church of St Margaret, Crick, Northants

Client:

Church of St Margaret

Chartered Building Surveyor:

John Barker

Main Contractor:

Boden & Ward Stonemasons Ltd

Principal Stone Contractor:

Boden & Ward Stonemasons Ltd

Stone Supplier (1):

Dunhouse Quarry Ltd

Stone Supplier (2):

Cumbrian Stone Ltd

Stone Supplier (3):

Ranco Stonemasonry Ltd

Stone Used (1):

Corsehill Stone

Stone Used (2):

St Bees

Stone Used (3):

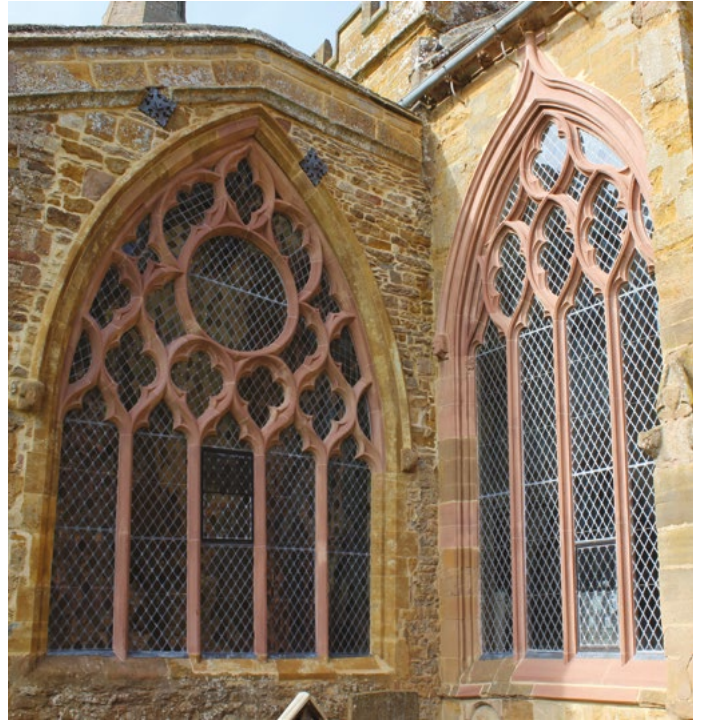
White & Red Hollington

A parish church found in Crick, a village set in the beautiful rolling Northamptonshire countryside, the church of St Margaret of Antioch is a Grade I listed building.

Following a period of intensive fundraising, the local community reached out to English Heritage to gain the vital funds required to bring the church back from disrepair.

The project involved multiple repairs and replacement around the church façades and of those, the complicated three dimensional works have been particularly well executed.

The judges were impressed by the calculations that had to be undertaken to repair several areas which had been in a particularly bad state. In one case, the tracery of a window was very badly tilted but the replaced parts fit perfectly, meaning that the setting out in plan form, as well as the distortion of the sections must have been calculated and modelled to a very high degree.



The balance of the project includes renewal of the spire ashlar and belfry

restoration, all executed cleanly and professionally. The craftsmanship is exemplary.

Highly Commended: St Matthias Church, Richmond, Surrey

Client:

St Matthias Church

Architect:

Peter Bowyer,
Peter Bowyer Architects

Main Contractor:

PAYE Stonework & Restoration Ltd

Principal Stone Contractor:

PAYE Stonework & Restoration Ltd

Stone Supplier:

Ranco Stonemasonry Ltd

Stone Used :

Kent Rag Stone
Elm Park

Designed by Sir Gilbert Scott and built in the 1850s, Grade II listed St Matthias Church, with its magnificent spire, is a wonderful example of Victorian architecture. This project was the first major restoration in the church's 165 year history and aimed to return St Matthias' to its former glory.

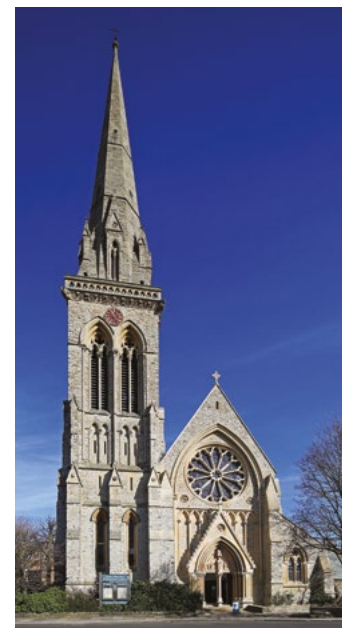


The work included a conservation clean to remove surface soiling, replacement of eroded Kent Rag stone walling and the reinstatement of missing Elm Park carved heads and crockets to the entrance doorway and pediment.

Considering the condition of the original stonework, the

new pieces are a credit to the skills of the stonemason. When viewed in situ, it is hard to tell that the new pieces were not part of the original building.

The various carvings are crisp, clean and sharp. The before and after photographs are good representations of what has been achieved,



particularly the carved head at the bottom of the gothic entrance. The judges commented that it looks as though it was cared for by a serious and well-working team.

Commended: St Catharine's Church, Wigan, Greater Manchester

Client:

St Catharine's Church

Architect:

Rebecca Grimshaw,
Anthony Grimshaw Associates

Main Contractor:

Mather & Ellis Ltd

Principal Stone Contractor:

Mather & Ellis Ltd

Stone Supplier:

Dennis Gillson & Son
(Haworth) Ltd

Stone Used:

Naylor Hill Sandstone



This church, a stunning local landmark, dates back from 1840 and became a high restoration priority when the tower began to lean and curve.

The project involved very limited replacement of materials. The stone, where replaced, was in Naylor Hill from Haworth. Much of the

work is not visible in that there were very complex structural interventions which had to take place behind the scenes in order to stabilise the tower and rebuild the steeple which had been 1.45m out of plumb. These included new

foundations and hydraulic rams pushing against the weight of the foundations and the stone tower above.

The judges noted that the stonemasons should be commended for being able

to put back together what was a very complex jigsaw puzzle of stone. Despite the large amount of work undertaken it looks like very little has happened; this in itself is a testament to the skill of the craftsmen.

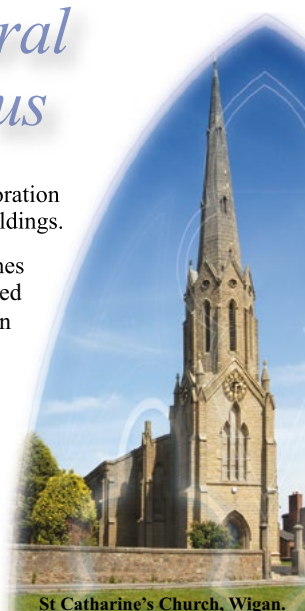
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Commended: Christ Church Cathedral, Oxford

Client:

Cathedral Church of Christ in Oxford

Architect:

Jane Kennedy, Purcell UK

Main Contractor:

Cliveden Conservation Workshop Ltd

Principal Stone Contractor:

Cliveden Conservation Workshop Ltd

Stone Supplier:

J & J Masonry Contractors Ltd

Stone Used:

Elm Park

The lierne vaulted ceiling to the choir at Christ Church Cathedral, Oxford is one of only a few in England. The main aim of the project was to stabilise and conserve the lantern bosses and vaulting.

The lantern bosses were found in various states of instability and many of their carved leaves were missing or damaged and all contained rusting staples that were integral to their stability.



Hartham Park Stone was used for all the stone repairs and all in all, 28 new leaves were carved for the lanterns. The stonemasons, where possible, avoided replacing old with new, instead, reinforcing and maintaining the original stone work of the delicate design. An apprentice stonemason, funded by the

Prince's Foundation, was able to work alongside the project's principal carvers, thus continuing the historic tradition of apprenticed learning on projects of this nature.

The judges noted that this was more than a simple exercise in restoration, and was an excellently

executed collaborative effort between the stonemasons, architects and engineers.

Obviously a carefully considered project. Sadly it is not easy to read the outstanding detail from the ground. A delicate project, well controlled and concisely carried out.

Commended: Chiltern Firehouse, London

Client:

Chiltern Firehouse Hotel

Architect:

David Archer, Archer Humphries Architects

Main Contractor:

Knight Harwood Ltd

Principal Stone Contractor:

PAYE Stonework & Restoration Ltd

Stone Supplier:

PAYE Stonework & Restoration Ltd

Stone Used:

Portland Stone
De Lank Cornish Granite

Located in what was the Manchester Square Fire Station in London's Marylebone, the Chiltern Firehouse is now a world famous restaurant and boutique hotel. The project revolved around the aim of restoring this disused

fire station and its original façade.

The main challenge was the requirement to achieve a seamless representation of the original engine house door masonry whilst retaining the structural integrity of the façade and structure. The door surrounds and arches were designed around archive photographs of the front of the fire station and the elements of the original arches that remained.

Despite the difficult structural working conditions that had to be overcome in affecting change, the aesthetic benefit achieved through the replacement masonry is considerable. Integrating the

entire at streetscape level, the forecourt of masonry paving and setts, and the

granite plinth course, greatly contributes to the overall success.



Award Winner: La Maison de la Valette, Jersey

Client:

Mr Roy Strudwick

Architect:

Sara Marsh, MS Planning Ltd

Main Contractor:

Houze Construction Ltd

Principal Stone Contractor:

Boden & Ward Stonemasons Ltd

Stone Supplier (1):

Albion Stone PLC

Stone Supplier (2):

B Stone Ltd

Stone Used (1):

Portland Stone

Stone Used (2):

Marbles - various types

Other Companies Involved:

Stewart Design (UK) Ltd

Price & Myers LLP

Located on the island of Jersey, this new Georgian house is an excellent example of the use of natural stone for an interior space. The project was to be the client's family home and as a result, the owner was involved on a day to day basis, which, the judges felt may be one of the key factors in this project's success.

The project made use of Portland stone across a range of applications, including the cantilevered staircase, cladding to the rear staircase, and paving.

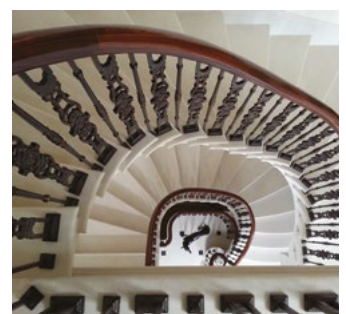
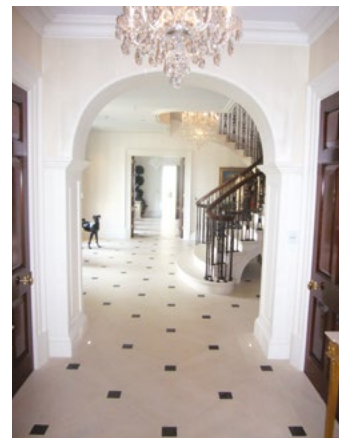
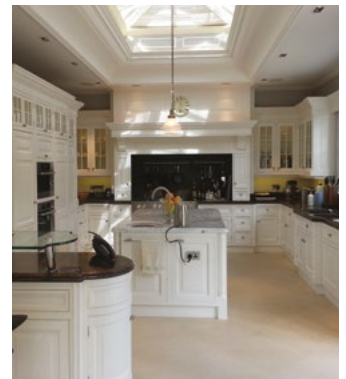
This very large house, recently constructed, demonstrates what high standards can be achieved in all crafts when an owner pursues excellence. The interiors have traditional set stone floors throughout the house. In the principal spaces the small corner insets of Belgium Black have been used. Elsewhere the paving is perceived as simple stone pavers. However on very close examination, these hard wearing and beautiful stone floors, as a result of thoughtful design, are as good as any to be found in our kingdom's great stately homes. The layout of the tiles and the margins to each room ensure there are no odd corners, or unresolved junctions. Each door opening, and there are many, has a



"Simplicity, coupled with the beautiful quality of natural stone laid to such a high standard, cannot but help but to ensure an outstanding interior."

perfectly balanced arrangement of pavers as they pass through, and link on to the rest of this large house. Simplicity, coupled

with the beautiful quality of natural stone laid to such a high standard, cannot but help to ensure an outstanding interior.



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Highly Commended: Manchester Cathedral

Client:

Manchester Cathedral

Architect:

John Prichard, Lloyd Evans Prichard

Main Contractor:

Lambert Walker Conservation
& Restoration Ltd

Principal Stone Contractor:

Lambert Walker Conservation
& Restoration Ltd

Stone Supplier:

Burlington Stone

Stone Used:

Baycliff Lord

Baycliff Caulfield

Following a period of diminishing performance from the existing under-floor heating system, Manchester Cathedral took steps to rectify this and, as part of the process, replace the stone floor.

A key part of the project was the identification of an appropriate stone for the

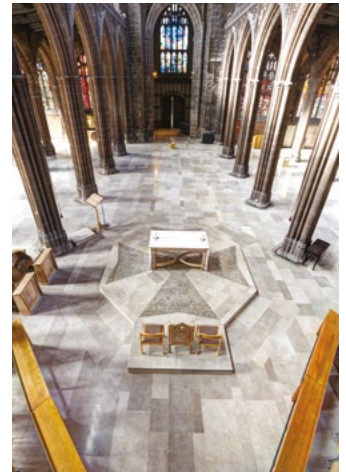
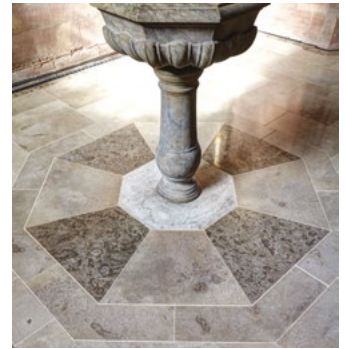


floor. Baycliff Limestone was chosen as a replacement for the existing Swaledale. Original floor plaques were retained for incorporation and, in the finished scheme, are a good match with the new. The jointing is good and the overall appearance is very clean.

The services integration is fairly seamless in the finished

results, grilles exist around the base of columns and access hatches are present on the floor runs. The bedding and jointing employed were lime rich mixes that consequently did away with the need for movement joints.

Despite various challenges faced by the architect, the scheme looks to have been well executed.



Highly Commended: St Mary's Church, Buckfast Abbey, Devon

Client:

Buckfast Abbey

Architect:

Graham Abrey,
Ingram Consultancy Ltd

Main Contractor:

Lovell Stone Group Ltd

Principal Stone Contractor:

Hallen Masonry

Stone Supplier:

Lovell Stone Group Ltd

Stone Used:

Purbeck Jurassic Blend

Purbeck Grub

Purbeck Capstone

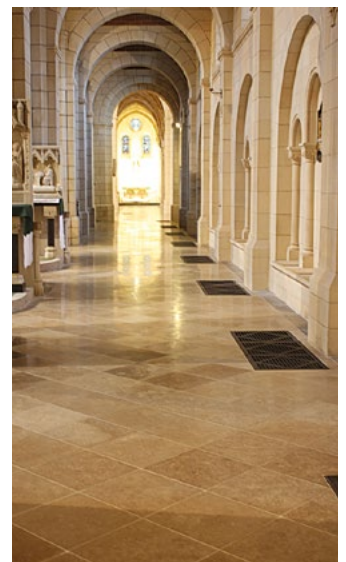
Other Companies Involved:

Woodford Engineering Ltd

Buckfast Abbey is an active Benedictine monastery built between 1907 and 1938 and, until this project began, back in 2012, the floor had been left as a concrete screed. Some 600m² of new stone flooring was required and Purbeck Jurassic Blend, with

contrasting elements in Purbeck Capstone and Purbeck Grub were also utilised. The whole is laid on hydraulic lime with 3mm lime joints. There are no expansion joints and the ambulatory is designed with an intricate pattern of curved banding.

The judging panel thought the end result was magnificent. The interior of this Abbey is built with very precise stonework, and in this context a new floor, with very accurate machine cutting, looks highly appropriate. The choice of Purbeck stone looks completely correct, as does the honed finish. The workmanship is of the highest quality.



Commended: The Wellesley Hotel, Knightsbridge, London

Client:

Arab Investments Ltd

Interior Architect:

Dennis Irvine,
Fox Linton Associates

Main Contractor:

Brookfield Multiplex Europe

Principal Stone Contractor:

Associated Stone Group Ltd

Stone Supplier (1):

Morgan Italia Srl

Stone Supplier (2):

Tureks

Stone Used (1 & 2):

Marbles - various types

The project saw development of a 1920s townhouse into a 36 bedroom luxury hotel in London's Knightsbridge.

The hotel's interior uses a vast variety of stones and epitomises the truly international dimension of the decorative stone industry. Stones from six different suppliers have been used for the interior detailing of the public circulation

spaces, lounge, bar, toilets, and dining room. Incorporating refined geometric square and ellipsoidal designs, the complex floor patterns functionally align with the internal structure, spaces and access ways.

Extreme accuracy has been affected in the water-jetting cutting, ensuring that the juxtaposition of the individual matching and contrasting stone inserts create impressive features that utilise the natural colours to best advantage. Floors and walls are polished to a particularly high level of finish. Within the en-suite bathrooms, book-matched and slip-matched wall panels, surrounds and vanity tops add to the appearance of excellence and sophistication that is best portrayed through the use of stone. Working from detailed design drawings, the rigorous manufacture, dry-lay and inspection processes at



source have greatly assisted in ensuring that the quality of the finished product was upheld in advance of the on-site programme.

Integrating with the public thoroughfare, a number of different indigenous and imported stone suppliers provided the natural materials from which the external forecourt



was sensitively paved.

This project has been neatly done and the workmanship is very good.

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Award Winner: Douglas Town Centre, Isle of Man



Client:

Department of Infrastructure

Landscape Architect:

Andy Thomson, BCA Landscape

Principal Stone Contractor:

Department of Infrastructure

Stone Supplier:

Hardscape Products Ltd

Stone Used:

Chinese Granites - various types

Through establishing a holistic relationship with the environment, this project is founded on an Island-wide concept that aspires to link regenerated towns to a potential growth in the Manx economy.

This continuity has been achieved through adopting a well-researched portfolio of various colours and materials that stem from a fusion of the Island's natural hues. In these initial phases of the comprehensive Douglas Town Centre project, the Island's historical heritage is also acknowledged through incorporating public realm art in the streetscape design through the use of a variety of coloured and finished granites.

The stonework brings brightness and light into the heart of the Island's capital, the results are already uplifting and enhancing the area; installing pride and commitment across the diverse range of retailers,



"The results are already uplifting and enhancing the area"

where associated grant-aided property upgrades are now also evident. These initial phases are an undoubted success in moving towards the Island's stated objectives.

The judges were particularly impressed with the water-cut marquetry in stone that appear as 3D streetscape motifs based on aspects of the Island.

One of the challenges posed by the project were the steps required to integrate the needs of the utility companies.



This was achieved through carefully detailed and orientated access manholes, directional drainage channels and street lighting columns. The overall project design has unified the various street footprints and maximises on

the town's layout to take full advantage of sunlight.

From its integrated original concept to its careful specifying and precision installation, this is an exemplary scheme.

Highly Commended: Brewer Street Project, Pembroke College, Oxford

Client:

Pembroke College

Architect:

James Roach,
Berman Guedes Stretton

Main Contractor:

Kingerlee Ltd

Principal Stone Contractor:

Szerelmey Ltd

Stone Supplier (1 & 2):

Axtell Perry Symm

Stone Supplier (3):

Johnsons Wellfield
Quarries Ltd

Stone Used (1):

Hartham Park

Stone Used (2):

Box Ground

Stone Used (3):

Crosland Hill

Other Stone Companies

Involved:

Axtell Perry Symm

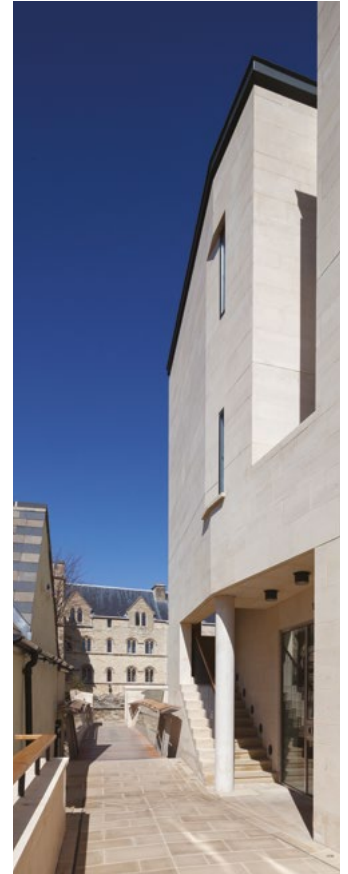
This very large extension to Pembroke College, on a congested city site has been greatly enhanced by the

thoughtfully designed stone constructed landscaping onto which the new college buildings focus. The hard landscape features the same Hartham Park Bath stone which has been used to construct the buildings, ensuring great harmony between building and landscape.

The changes in levels on the site, both natural and man-made, have been used to great advantage, allowing the formation of outside reading and study areas and gathering spaces for groups. The seating spaces are both private whilst feeling connected to the college. Well thought out and maintained planting schemes soften the space both visually and acoustically. The detailing of the stone work is deliberately simple. All the masonry has been carefully constructed, clearly with much thought



to joint positions and drips. Student accommodation receives heavy wear, but by carefully selecting stone for the walling, paving and seating, damage is minimal. The whole space on a sunny day, with the stone glowing in the light, is shouting out that Pembroke College is a place of peace and learning.



Commended: Jubilee Square, Woking, Surrey

Client:

Woking Borough Council

Landscape Architect:

Sheena Bell, Gillespies LLP

Main Contractor:

Kier Construction

Stone Supplier:

Marshalls PLC

Stone Used:

Moselden Yorkstone:
Chinese Granite - various types

Opened in 2012, and named after the Queen's jubilee year, Jubilee Square is a redesigned public space in the heart of Woking town centre. The public realm responded to the opportunities presented by the redevelopment of its shopping centres and enhancement of its library.

The designers have focused the town on its war memorial and theatre and, by improving the library façades,



have created a pleasant space at the heart of this town. The stone is well laid and standing up well to the heavy impact of the large footfall it is receiving.

Being restrained to one York stone for the square was a great design decision and has created a very pleasing aesthetic effect.

The judges felt that this was a pleasing example of the use of natural stone to create a result that is both visually attractive and functional.



Award Winner: Henry Moore Arch, Kensington Gardens, London

Client:

The Royal Parks

Project Manager:

Darren Woodward,
Rider Levitt Bucknall

Main Contractor:

PAYE Stonework &
Restoration Ltd

Principal Stone Contractor:

PAYE Stonework &
Restoration Ltd

Other Companies Involved:

Price & Myers LLP

The Henry Moore Arch is a six metre high Roman travertine sculpture that was presented to the nation for siting in Kensington Gardens in 1980 by world renowned artist, Henry Moore and is hailed as "one of the greatest modern public sculptures in London" by Richard Calvocoressi, the director of the Henry Moore Foundation.

Twentieth Century art which pushed the bounds of many materials, gives custodians of the objects many challenges. This great sculpture by Moore was taken down around twenty years ago when failings in the jointing damaged the individual elements. In excess of £50,000 was spent on finding a solution which would retain the essence of the work but give it longer life. The approach to this is the same as surveyors of churches' approach to repairs to historic buildings.

In 2012 a plan was commissioned to carry out a trial re-assembly of the Arch which would include cleaning, restoration, creation of a precise internal skeleton of stainless steel and sourcing travertine from the same quarry to make the repairs appear as seamless as possible. Part of the challenge was that, as with any conservation project, this addition of the steel skeleton would have to be reversible should further work be required in future years.

The location of these steel rods was determined by digitally



"The fact that the work shows no evidence of repair of previous damage, is testimony to the skills of the craftsmen, engineers and scientists."

modelling the sculpture to determine the best location for the jointing rods. The post tension in the rods allows for the thermal changes and the resultant differential movement between the stone and the stainless steel. Whilst the individual stones are jointed in a traditional manner with lead joints kept away from the face to allow lime mortar pointing, the elements are

held together with a complex system of post tensioned rods.

The lime and lead joint combination allows for access in the future to cut the reinforcing bars so if needed, the sculpture could be broken down into its elements again. With such thought going into this project and the use of travertine stone of high quality, that day



may never be necessary.

The fact that the work shows no evidence of repair of previous damage, is testimony to the skills of the craftsmen, engineers and scientists.





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Award Winner: Sixty London, Holborn

Client:

AXA Real Estate in partnership with Favermead Ltd

Architect:

John Bushell,
Kohn Pedersen Fox Associates

Main Contractor:

Balfour Beatty Construction Services UK

Principal Stone Contractor:

Stirling Stone Ltd

Stone Supplier:

Portland Stone Firms Ltd

Stone Used:

Portland Perryfield Whitbed

Other Companies Involved:

Spectrum Stone Ltd

Harry Gray Studio

Located next to the Holborn Viaduct, Sixty London was a project that looked to design a large new premium office building on the site previously occupied by Bath House.

Integral to this was the requirement to reinstate the last of four intricately detailed and carved Portland stone gatehouses to represent the original design. The reinstatement of this fourth gatehouse was something that the City of London was committed to seeing and therefore took focus within the project.

Perryfield Whitbed was the stone chosen and has produced a crisp, clean finish which the judges were particularly impressed with. Furthermore, even at close quarters, the architectural quality and robustness of the replacement masonry corner block, more than holds its own.

The intricate detailing of the existing stone structure was replicated by the stone contractor through wax rubbings taken by them from the existing south gatehouses, together with photographic and dimensional surveys.

Ensuring the essential integrity of the viaduct's original



“Accuracy, authenticity and exemplary craftsmanship have emerged in consequence”

Victorian features, the new highly ornate Portland stone Gatehouse readily recreates and promotes the exuberance of the original intricately carved and detailed corner piece. The judges were particularly impressed with the craftsmanship displayed in the carving of the Greek Gods and full size statue of Sir Hugh Myddleton.

It is clear that the complete integration of the extremely detailed working drawings, cutting schedules, profiles and fixing details contributed much to ensure the success of the rebuild. In no small measure this has been due to the choice of stone and the subsequent monitoring of the quarrying and production processes, coupled with a rigorous quality approval system. Accuracy, authenticity and exemplary craftsmanship have emerged in consequence.






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PRICE & MYERS

Consulting Structural Engineers



La Maison De La Valette, Jersey

We enjoy working with masons to help them develop the full potential of stone. Particularly rewarding has been the resurgence of interest in stone stairs, like this beautiful example by Boden and Ward.

 STRUCTURES  GEOMETRICS  SUSTAINABILITY  INFRASTRUCTURE

Award Winner: Cantilevered Staircase at La Maison de la Valette, Jersey

Client:

Mr Roy Strudwick

Architect:

Sara Marsh, MS Planning Ltd

Main Contractor:

Houze Construction Ltd

Principal Stone Contractor:

Boden & Ward Stonemasons Ltd

Stone Supplier:

Albion Stone PLC

Stone Used:

Portland Stone

Other Companies Involved:

Stewart Design (UK) Ltd

Price & Myers LLP

Central to this large house is a principal stair which runs from the basement entertainment suite to the top bedroom floors of this substantial house. This stair flows in soft curves and as it passes each floor, the curves have been cut not just with the curve in mind but to ensure they integrate in a logical manner with the stone pavers of each floor. The

solutions look simple as does most work of high quality.

There are no makeup pieces, no unresolved junctions. Masons are often depicted in heraldry with a compass and a set square. This house demonstrates why. The craftsmanship starts with the setting out, follows through with the precise cutting, the careful protection against damage in transport and finally, with precise laying of the treads. Many of the treads of the stair are curved. When inspecting this for the Awards one could not help but try and find a tread where the curve had a slight bump in it. None were found. From stair to flooring, the mason has shown his craft in this house.

The end result is stunning and the judges commented that the staircase was one of the best they had ever seen.



"The end result is stunning and the judges commented that the staircase was one of the best they had ever seen."



Highly Commended: Spiral Staircase at deVOL Kitchens Showroom, Loughborough

Client:

deVOL Kitchens Ltd

Main Contractor:

Carvero Ltd

Principal Stone Contractor:

Carvero Ltd

Stone Supplier:

MVC - Mármores de
Alcobaça LDA

Stone Used:

Moca Cream Fine Grain

This free standing, post-tensioned natural stone spiral staircase was built constructed as part of a new kitchen and natural stone flooring showroom in Loughborough. The showroom is in a mill that dates back to the 16th century and is found in the magnificent surroundings of the River Soar.

Whilst traditionally a staircase of this type would have supporting walls or columns, the stonemasons wanted to try



something innovative. The major challenge of the project was the weight of the materials and the counter-balance mechanics required. The staircase itself is nicely proportioned and detailed. The stones were all worked by hand and hand fixed very skilfully. The joints are true and consistent and the soffit flows easily round the central newel post.

The judges felt that this was a very nice piece of work carried out

by a traditionally trained mason and his understudy improver.



ABOUT STONE FEDERATION



Why use our Members

Every Stone Federation member is vetted and approved and, once in membership, supported by a wealth of training courses, seminars and publications to ensure they maintain their position at the cutting edge of the industry.

By employing the services of a Stone Federation member, you can have total peace of mind that they are experts in their field and come with the full backing of the Federation's technical backup team.

The services covered by our members include quarrying, design, fixing, restoration and construction of natural stone in all its various applications.

To ensure the success of your project, be sure to involve a Federation member right at the outset.

The message from the Federation is simple, no matter what the size or nature of your project, make sure that you involve the services of a Federation member from the outset and planning stages of a contract. This will ensure the excellent workmanship and highest standards of best practice required for a successful project and provide you with the peace of mind that comes from using a vetted and approved natural stone professional.

Stone Federation Architects' Club

The Stone Federation's Architects' Club provides you with access to a range of benefits including technical backup, first class networking opportunities as well as the same discounts on publications and exclusive seminars that our members enjoy.

The Architects' Club is a source point for all things stone and its benefits help you throughout your project, from the design stages through to project completion.

As a member of the Architects' Club you will also be able to use the Federation's logo, affording you with the accolade of being a Stone Federation recognised architects practice and an expert within the natural stone arena.

For more information about the Stone Federation Architects' Club, email enquiries@stonefed.org.uk or call us on 01303 856123.



stewart design (uk) limited

are extremely proud to have worked on the cantilevered stone staircase at

La Maison de la Valette, Jersey for Boden & Ward Stonemasons Ltd

Winners of the Awards for Interiors and for Craftsmanship



3D Stair Model



Completed Stair

stewart design (uk) limited

the old bakery, sheep street, charlbury, chipping norton, oxon OX7 3RR

www.stewartdesign.co.uk

Stewart Design are Specialists in 2D and 3D CAD Design for the Natural Stone Industry for

- the modelling of cantilevered stone staircases in 3D
- the detailing of traditional masonry in both 2D and 3D where required
- the preparation of full working drawings
- the preparation of manufacturing information

To discuss how we may assist you with your project, please contact Andy Maclean, Managing Director on:

t: 01608 811 500 ~ m: 07768 512 775

e: amaclean@stewartdesign.co.uk





PIERRA RESTORATION LTD

Building Restoration, Conservation & Stone Masonry



Image by Grant Frazer

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