PROJECT PORTFOLIO

SOCIAL HOUSING


CCG, Creiff Road

PROJECTS

1. BALERNO HIGH SCHOOL
2. CCG | PERTH & KINROSS COUNCIL
3. CLACKMANNANSHIRE COUNCIL
4. EILDON HOUSING ASSOCIATION
5. HAZELDENE NURSERY
6. LHC/SPA U9 FRAMEWORK
7. LICKLEY, MILNE & MARKET COURTS
8. NOTTINGHAM TRENT UNIVERSITY
9. SCOTTISH AUTISM CENTRE
10. SSE - SCOTTISH & SOUTHERN ENERGY

Cliffton Campus, Nottingham Trent University

BALERNO HIGH SCHOOL

EDINBURGH | CITY OF EDINBURGH COUNCIL

From contract award notice, through to satisfactory completion, this project involved the replacement of major coupled runs of old, black, vertical pivot windows with modern black PVCu fully reversible windows, which were manufactured to comply with strict planning, escape and cleaning regulations on the higher levels. It also required the replacement of a number of lower level windows in modern, white, PVCu top hung casements. The complete project was started and successfully completed within a six week period over the school summer holidays of 2015, with full clean down and satisfactory handover before any pupils and teachers returned.

DESIGN IS KEY:

- Full coupled runs up to 180 metres in length of White Top Hung Casement Windows Fixed Panes
- Beck brown/White Fully Reversible Windows and Fixed Panes, with anti-sun glass to meet the required U-value of 1.4 W/m2k

Many of the existing windows were in classroom areas that become excessively cold in winter and very hot in summer. We provided a solution for the City of Edinburgh Council by introducing modern Energy Efficient PVCu replacement windows, specified with anti sun glass. This specification will ensure a more balanced climate, with heat being retained during the winter months and a manageable level of solar control during the summer. As well as providing a working solution to the thermal problem, visually the transformation gives a modern feel to the older building, creating an excellent fit for the 21st Century.

"The whole Sidey team have been fantastic. From our first point of contact at the pre start meetings, through survey, installation and beyond, all of the personnel involved have been high quality, courteous throughout and worked diligently for what is obviously a well run and professional organisation."


HIGH SCHOOL
BALERNO
HIGH SCHOOL

CCG | PERTH & KINROSS

CREIFF ROAD, PERTH | SOCIAL HOUSING | FLATS

Sidey collaborated with CCG on a project to redevelop a landmark pub in Perth into 24 new flats that provide a safe, secure and affordable place for Perth & Kinross Council tenants to live.

The client used innovative 'off-site' methods of construction & specified Windows & Doors that delivered a best value solution along with the highest standards in quality, security and energy performance. In response to this specification, we supplied Energy Efficient Top Swing Windows, along with our FD30 Fire Doors.

DESIGN IS KEY:

- Top Swing Windows manufactured in White
- Windows provided a U-Value of 1.2 W/m2k
- Windows & Doors manufactured to Secured by Design standard, providing high security across all platforms
- FD30 Composite Doors manufactured under the new BM Trada Scheme STD 170 and fire tested both internally & external to BS EN1634-1
- Client fitted products off-site at their factory and delivered to site

Specification from the client was to supply products that complimented the aesthetics of the build, provide security, energy efficiency and quality. Our Windows provided a low U-Value, offering better insulating properties, trapping heat inside the home thus lowering heating bills & reducing the overall carbon footprint.

The FD30 Composite Doors allowed the client to meet building regulations whilst delivering exceptional levels of fire & smoke resistance, providing tenants with safety & peace of mind.

CLACKMANNANSHIRE COUNCIL

VARIOUS AREAS THROUGHOUT CLACKMANNANSHIRE

Sidey worked with Clackmannanshire Council to refurbish over 500 properties in the Clackmannanshire area.

During this project, we were dealing with residents that had varying degrees of social difficulties and some with mental health issues. Through careful communication, we succeeded in making the installation as comfortable and as stress free as possible.

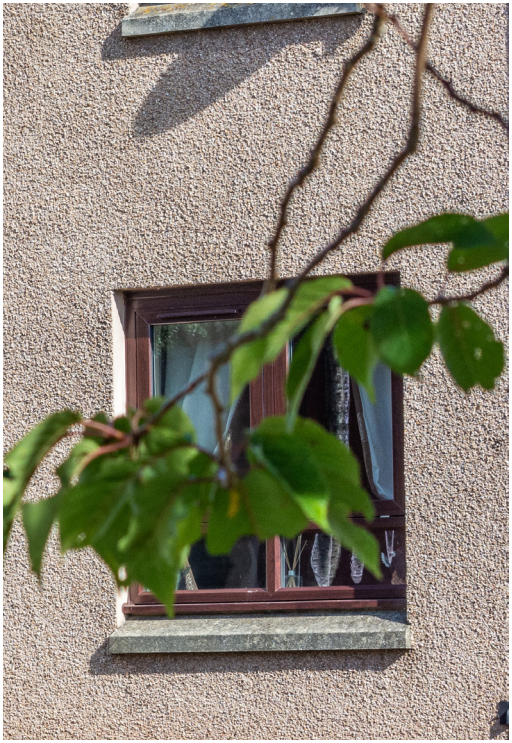
Good communication, both up and down the supply chain and across the Integrated Project Team throughout the project and with clients was essential to the success of this project. We built this model into the management structure by adopting Sidey's Communication Policy, which led the Contract Manager to develop detailed Communication Plans across the whole integrated team both at the upper level of the structure and at site level.

Sidey won an award for delivering excellent quality at the LHC 50 awards for this particular project with Clackmannanshire Council. We also achieved over 98% tenant satisfaction. We tired wherever possible to go above and beyond and we have listed some of the key components of this strategy:

- Local Site Establishment & Employment
- High Quality Window Specification
- Personalised Customer Care Pack
- Methodology for Contact & Installation
- Direct contact from Site Managers with Tenants before installation
- Weekend installations to suit tenants/customers
- SMS text messaging of tenants
- Community Benefits - Sidey donated windows for a games room for Play Alloa, a local disability charity
- Total Waste Recycling Strategy


32


31



EILDON HOUSING ASSOCIATION

MANSE GARDENS, DUNS, SCOTTISH BORDERS

Innovative and intelligent solutions are at Sidey's core and when we faced with refurbishing housing stock for a local client which included Windows, Doors, Screens and Sun-Spaces, Sidey's R&D team set to work to provide best value solution. We looked at all the prevailing site conditions and options, and in collaboration with the client Reversible Windows, Aluminium Screens, Curtain Walling, Conservatory Roofs and Composite Doors were used.

DESIGN IS KEY:

- The Sun-Spaces were manufactured in Rosewood
- Overall U-Value of 1.4 W/m2k
- Full Secured by Design accreditation to meet the stringent specifications as laid down by the client
- The Conservatory Roofs were manufactured using a high performance roof system and provided the highest standard in weather performance
- Sidey's Composite Doors in Red were used and again met Secured by Design
- The Aluminium Curtain Walling Screens and Reversible Windows were manufactured in a single standard RAL colour and were thermally enhanced

COMMUNITY BENEFITS:

Research has indicated that older people need to obtain greater levels of Vitamin D, contained in sunshine to prevent metabolic deficiencies and insulin resistance and the upgraded Sun-Spaces will provide a space that will assist with these requirements.

As access to internal and external spaces providing daylight is important to the health & well-being of our communities, Sidey also made a donation to our client's community garden project.

HAZELDENE NURSERY

RENFREWSHIRE, GLASGOW | EAST RENFREWSHIRE COUNCIL

Sidey worked with East Renfrewshire Council to replace Windows & a Lantern Roof to an occupied Children's Nursery School. The Nursery School itself is a listed building.

This project necessitated the removal of existing Vertical Sliding Windows, replacing them with Sidey's Energy Efficient PVCu Vertical Sliders. Due to the Nursery School being a listed building, the product had to be like for like, with all necessary permissions obtained from planning and Historic Scotland.

The School, near Glasgow, is used by up to 200 children and remained open during the works. In order to achieve maximum safety, the works area was segregated away from the children & staff and traffic & pedestrian management was well planned with a restricted site compound set up for waste, distribution, recycling and storage. For ease of removal and installation of the products, front door entry systems and fire alarms had to be removed therefore careful coordination was required once again to ensure the safety of all the children and staff.

DESIGN IS KEY:

- All Windows supplied were A Rated PVCU Energy Efficient White Vertical Sliding Windows with sculpted beads to maintain 'like for like' requirements
- All Windows complied with the provisions of BS7412 2007 and have a Kitemark or certificate approval
- All products were manufactured under our EMS 14001-2015 Environmental Kitemark and technical surveys carried out to our BS 8213-4:206 accreditation
- All Sidey employees carried identification badges, wore branded clothing, all Sidey vehicles were branded for ease of identification


Hazeldene Family Ce

LHC/SPA U9 FRAMEWORK

PERTH & KINROSS | PERTH & KINROSS COUNCIL

Sidey were involved in the manufacture, supply & installation of PVCu Windows & Composite Doors to 1702 properties across Perthshire.

Sidey surveyed, designed and installed all the Windows & Doors utilising our dedicated survey and installation teams in-line with our BS 821304:2016 accreditation.

The products used are on display in our Perth Showroom for all the residents/ tenants to view at their leisure. A bespoke customer care pack was designed which is also on display in our Perth Showroom for residents and tenants to pick up.

DESIGN IS KEY:

Energy Efficient Windows

- Reversible Windows
- Tilt & Turn Windows
- Casement Windows
- Colour options include White & Rosewood Foil
- Triple Glazed units were used which achieved 0.7 W/m2k U-values

Energy Efficient Doors

- Choice of 4 Composite Door styles were offered
- Colour options included Red, White & Oak with White internally
- A specific type of secure locking as specified by the Council was used including internal thumb turns
- AM3-70 Part M low level thresholds were utilised

LICKLEY, MILNE & MARKET COURTS

PERTH & KINROSS | PERTH & KINROSS COUNCIL

This project was the manufacture, supply and installation of Retro-Fit Windows to 51 dwellings at Lickley, Milne and Market Courts for Perth & Kinross Council.

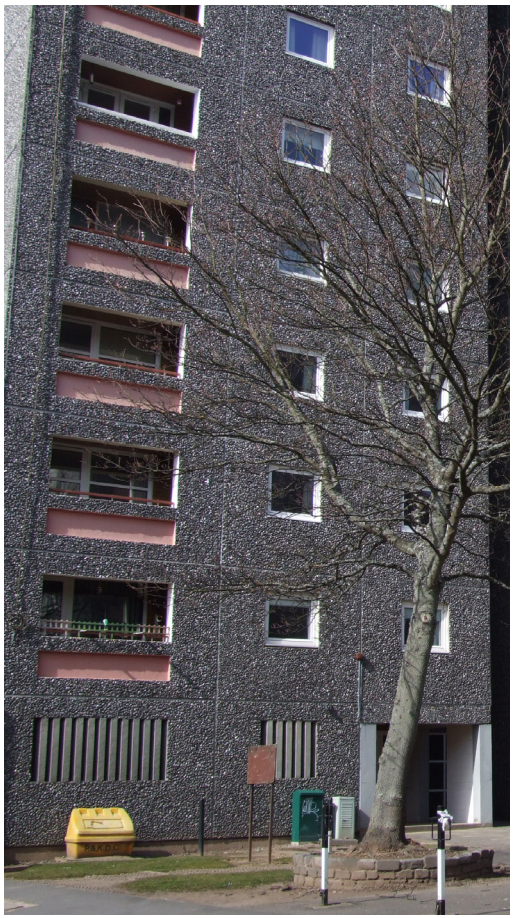
This is a classic Retro-Fit scheme; the 3 nine storey building were completed in 1973 built typically for the period with a Bison beam structure and included what the time was a pioneering district heating system.

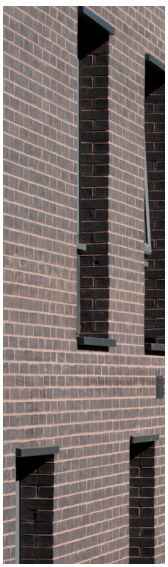
Our R&D team set to work to look at all the prevailing site conditions and options which might be available. In the end, it was a pioneering 0.7W/m2k U-value Triple Glazed Tilt & Turn Windows that they determined was going to be suitable.

Installing this specification of product into a Retro-Fit environment was unique, and windows of this type are usually installed into Fabric First developments where the aim is to design the requirement for high usage of carbon fuels in the first place.

We had to adapt the same principles for this development and it was critical that in doing so the Windows would work harmoniously with other key elements of the building - namely the heating and ventilation systems whilst also addressing the acoustic requirements of the site.

The unwavering determination was to design a Window specification which wholly achieves the brief to return the building to a level of advanced performance comparable to when it was originally built. This is what Retro-Fitting is all about and we are delighted to have been apart of such a successful project.





NOTTINGHAM TRENT UNIVERSITY

CLIFFTON CAMPUS, NOTTINGHAM | STUDENT ACCOMMODATION

This project was made up of 727 student accommodation study bedrooms and en-suite studios including nine adaptable to DDA rooms spread over 6 main residential blocks.

UPP and Vinci are setting the highest of standards and specification for this major New Build scheme utilising timber frame construction in a very tight site on a major road in Nottingham.

DESIGN IS KEY:

- BS12608 Class A Sidey Energy Efficient Smooth Grey (RAL7012) Casement Windows to U-Values of 1.5W/m2k including colour matched PPC cills
- Sidey Energy Efficient Casement Windows to deliver 920mm x 1750mm opening sashes
- Manufactured to BS7412/PAS24 and supported by Secured by Design, the frames include Roto TSL locking and key lockable restrictors
- Solar control glass to all elevations along with laminated and toughened glass solutions to specified areas.
- Stringent acoustic performance meant the use of Passivent ventilators in order to meet a 42bd sound reduction in the vent closed position
- Iso-Chemie expanding foam tapes used to achieve weather and air tightness requirements

A wide range of fenestration variables supported by extensive third party certification were required for this sizeable project installed on this very tight site. Close liaison with the main contractor, the cladding contractor and the timber frame supplier as required to ensure time-scales were met.

The client and students will enjoy low maintenance BRE Green Guide A+ PVCu thermally efficient, safe and secure Windows whilst a very comfortable learning and living environment is achieved through solar control glass and high performance sound reduction to minimise external road noise.

SCOTTISH AUTISM CENTRE

ALLOA, CLACKMANNANSHIRE, SCOTLAND

The project included the renovation of a specialist complex for autistic adults set up by Scottish Autism. Replacement Windows, Doors and the installation of a new Conservatory was provided to this new residential care service.

The task was to transform a disused building into a fully modernised residential complex for adults with autism. Sidey removed and replaced existing Windows with Energy Efficient Reversible and Casement Windows. The old building was transformed by also using new specialist Composite Doors, French Doors, Patio Doors and Aluminium Doors. At the back of the residential development, Sidey supplied and installed a spacious Conservatory.

The new residential service provides accommodation for up to nine autistic adults and includes six self-contained flats all with en-suite showers.

The project took 8 months to complete and opened in 2018.

DESIGN IS KEY:

- All PVCu profiles were extruded to BS12608
- All Energy Efficient Windows quoted met 1.2W/m2k U-Value
- Locking systems were fitted to all Windows and Secured by Design security
- Window restrictors were included where required
- Residential doors were fitted with Part M thresholds
- French Doors had single handle and slip lock and have Part M thresholds
- All Sidey windows and doors were delivered on stillages and labelled according to site, room and window number.


SSE
Greenwatt
Zero carbon homes
of renewable energy

SSE - SCOTTISH & SOUTHERN ENERGY

SLOUGH | SOCIAL AND AFFORDABLE HOUSING

This project has been formed by Scottish & Southern Energy, using the latest in construction methods along with new experimental building materials in order to achieve the highest level of environmental and Energy Efficient Social Housing.

This project is also going to be used as an ongoing experiment to test different construction types, environmental consequences and communal heating systems.

Sidey's Energy Efficient Casement Windows extruded to BS12608 Class A rating with 0.8W/m2k, 36mm Triple Glazed unit, 4mm planitherm total optitherm S4 - 12mm Super Spacer filled with Krypton Gas.

The development incorporated the use of solar tile systems, communal energy heating system, water recycling system and environmental build practices.

We provided a product in line with the client's requirement for sustainable development. Various construction types are being tested for their carbon footprint efficiency which will give engineers and architects true figures and highlight the best materials to use in future builds.

Clackmannanshire Council

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