

10 Years, Built Together

ARCHITECTURE SHAPED THROUGH COLLABORATION



atelier

WWW.GBATELIER.COM

FEB 2026

About us

GB Atelier is a CIAT Chartered Architectural Technologist practice delivering high-quality design and technical solutions across residential and built environment projects

What we do

The practice is led by Dr. Gihan Badi, a Fellow and Chartered Architectural Technologist with over two decades of industry experience and a strong commitment to clarity, performance, and context-responsive design.

GB Atelier specialises in new buildings, conversions, extensions, refurbishments, and bespoke residential projects. Services extend beyond design to include conservation-led work, site-specific technical assessments—including heritage and flood risk assessments—and planning-compliant documentation. The practice balances creative design, technical rigour, and sustainability to ensure each project responds meaningfully to its site, environment, and end-user needs.

GB Atelier works closely with clients throughout the design process, from feasibility and detailed design through planning and delivery, producing architecture that is carefully detailed, robust in performance, and grounded in architectural technology.



GB Atelier

CIAT Chartered Practice

E-mail: g.badi@gbatelier.com

www.gbatelier.com

124 City Road, London, EC1V 2NX

Tel: +44(0)1132256252

Mobile: 07825253666



Introduction

This catalogue marks ten years of practice at GB Atelier.

Over the past decade, the practice has delivered a wide range of residential projects, including new homes, extensions, considered alterations, refurbishments, and retrofit. Each project is shaped by its context, technical constraints, and long-term performance, but above all by the people it is designed for and how they live.

As a Chartered Architectural Technologist, my work extends beyond design and delivery. The practice undertakes heritage assessments, works sensitively with existing and historic buildings, and prepares site-specific flood risk assessments where required, ensuring proposals are robust, policy-compliant, and grounded in a clear understanding of place. Technical rigour, buildability, and regulatory clarity underpin every project.

Good architecture is not defined by appearance alone, but by how well a building performs, how it is constructed, and how effectively it serves those who use it over time. The projects presented here reflect an approach based on careful detailing, material understanding, and practical resolution.

This catalogue also acknowledges collaboration. The work shown is made possible through the trust of clients and the constructive engagement of consultants, contractors, and local authorities. I am grateful for the opportunities of the past ten years and look forward to continuing the practice with the same commitment to clear, responsible, and well-resolved design.



Dr. Gihan Badi
Director at GB Atelier
CIAT Chartered Practice



Case Study 1

Four-Bedroom Dwelling in a Rural Roscommon Setting, Carrick-on-Shannon, Co. Roscommon, Ireland



This project involved the design of a new four-bedroom dwelling with a site-specific wastewater treatment system providing secondary and tertiary treatment.

The house is arranged to create clear, functional living spaces that maximise views of the surrounding landscape, while responding carefully to site orientation, access, and neighbouring properties. Internal layouts prioritise daylight, shelter, and solar gain, with strong connections between indoor spaces and the external setting.

The design incorporates an open-plan kitchen, dining, and living area, supported by additional spaces for living, guests, home-working, and services. Low-energy technologies, including underfloor heating and heat recovery ventilation, are integrated to support comfort and long-term efficiency.

The project was completed in 2022



Design



Construction



As Built



The architectural approach combines Roscommon County Development Guidelines with contemporary design principles, ensuring the dwelling sits comfortably within its rural context while meeting modern performance and sustainability standards.

Case Study 2

FRetrofit, Refurbishment and Extension of a 19th-Century Stone Dwelling. Cloongrehan, Co. Roscommon, Ireland

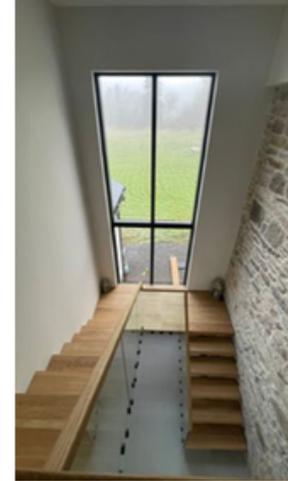
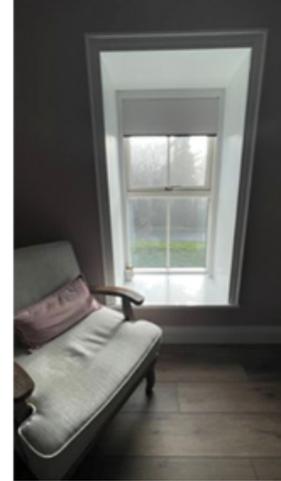
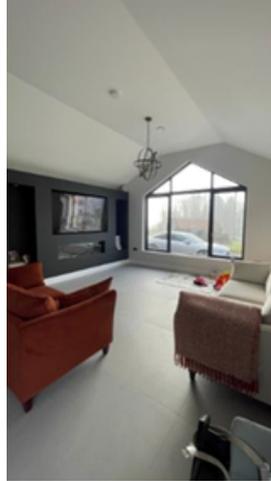
This project involved the retrofit and extension of a 19th-century stone-built dwelling in Cloongrehan, Cootehall, Boyle, Co. Roscommon. Vacant for over 50 years, the house has been carefully revived as a contemporary family home, balancing heritage conservation with modern performance, comfort, and sustainability.

The original stone structure and vernacular proportions were retained and celebrated, while new side and rear extensions were introduced in a manner that is clearly contemporary yet sympathetic to the existing building, in accordance with County Roscommon Rural Design Guidelines.

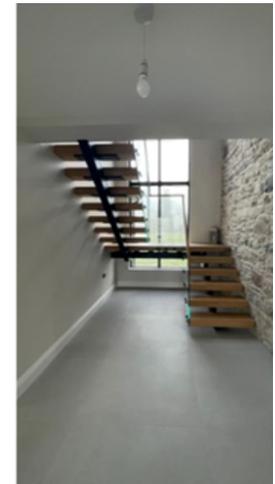
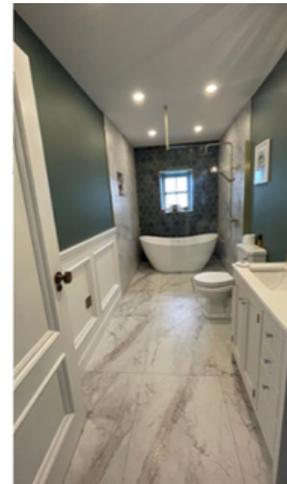


The retrofit strategy focused on improving thermal and environmental performance through high-quality insulation, efficient structural solutions, underfloor heating, heat-recovery ventilation, and energy-efficient glazing, alongside locally sourced materials such as natural slate.

The rear extension follows the natural contours of the site, allowing the building to sit quietly within its rural landscape. By retaining the existing structure and minimising demolition, the project reflects an approach rooted in reuse, reduced embodied carbon, and long-term resilience. The project was completed in 2023



Internal Views



Case Study 3

Another Four-Bedroom Dwelling in a Rural Roscommon Setting, Carrick-on-Shannon, Co. Roscommon, Ireland

This project involved the design and delivery of a new four-bedroom dwelling on a rural site in County Roscommon. The house was planned to maximise countryside views while responding carefully to site context, orientation, and neighbouring properties.

The layout is centred around an open-plan kitchen, dining, and living space, supported by additional living, guest, home-working, and service areas. A garage and a site-specific wastewater treatment system, providing secondary and tertiary treatment, were integrated into the overall design.

The architectural approach follows Roscommon County Rural Design Guidelines, combining contemporary design with low-energy strategies, including underfloor heating and heat-recovery ventilation. Site access, levels, and landscaping were carefully considered to ensure the dwelling sits comfortably within its rural setting and meets planning and environmental requirements. Total Gross Floor Area: 2780 sq.m
The project was completed in 2023



Concept Design

As Built



The internal layout prioritises light, proportion, and visual connection between living spaces and the surrounding landscape.

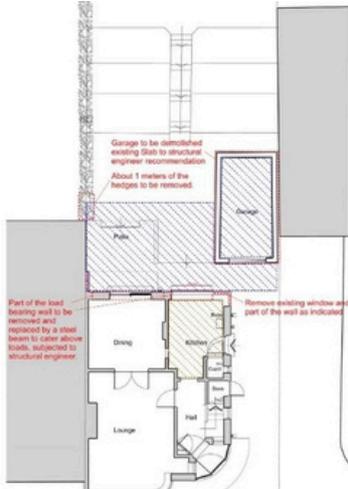
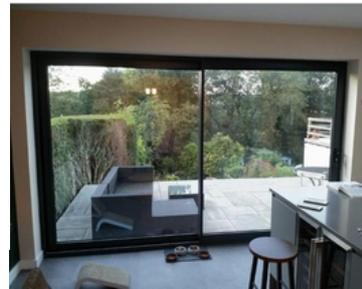


Case Study 4:

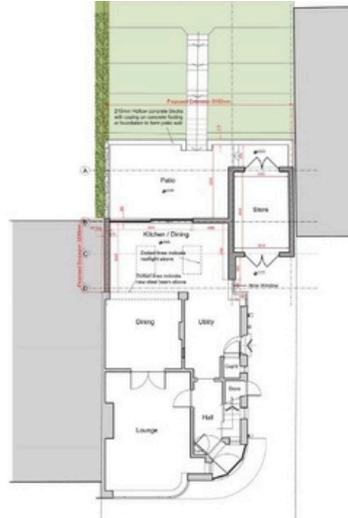
Single-Storey Rear Extension and Internal Alterations- 1930s Art Deco Home, Leeds, United Kingdom

This project involved the design of a single-storey rear extension and internal alterations to a three-bedroom 1930s Art Deco semi-detached house in Leeds, creating a light-filled kitchen and dining space for modern family living. The extension introduces a contemporary form that respects the character of the original property. Integrated rooflights maximise daylight, while large sliding doors provide a strong connection to the rear garden and timber-decked terrace.

Internal reconfiguration improved circulation and functionality, including a new ground-floor WC and shower. The removal of the existing garage allowed space for a more practical side structure for storage and outdoor use, enhancing the overall usability of the site. The project was completed in 2020



Existing Ground Floor

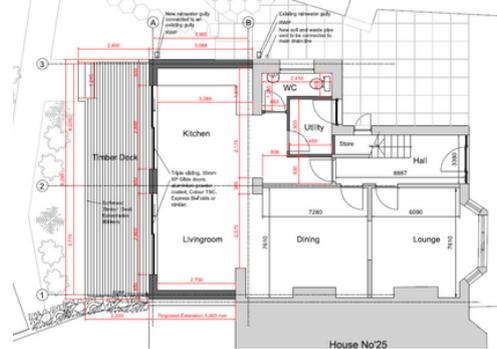


Proposed Ground Floor

Case Study 5:

Double-Storey Rear and Side Extension with Internal Alterations, Sowerby Bridge, Halifax

This project involved the transformation of a semi-detached house at 27 Willow Crescent, Sowerby Bridge, through a contemporary double-storey rear and side extension with internal reconfiguration. The design improves functionality while respecting the character of the existing property and its residential context. The extension introduced a bright open-plan kitchen and dining area at ground floor level, with rooflights maximising daylight and direct access to the garden via timber decking. At first floor level, an additional bedroom with a Juliet balcony and a new family bathroom provide valuable extra space. Clean lines, light render finishes, and matching roof tiles were used to complement the existing house while introducing a contemporary architectural language. The project was completed in 2019.



Proposed Ground Floor



Case Study 6:

The Dye House, Guyzance Bridge, Grade II Listed Building

The Dye House is a Grade II listed former industrial building, designated in 1988 for its architectural and historic interest. Part of the former Acklington Park Mill complex, the stone structure retains its historic form, robust masonry envelope, and characteristic proportions reflecting its industrial origins.

An in-depth heritage assessment informed the design approach and all proposed works. The project included the restoration and upgrading of windows and the main entrance, internal reconfiguration, and the addition of a single-storey rear extension.

First-floor timber decking was removed to improve daylight and ventilation, and a traditional retaining wall was introduced. Internal alterations improved accessibility and functionality, including the integration of a domestic lift and selective exposure of original roof timbers. The completed scheme balances heritage conservation with contemporary living requirements, enhancing access, performance, and spatial quality while safeguarding the building's historic character.

The project was completed in 2024



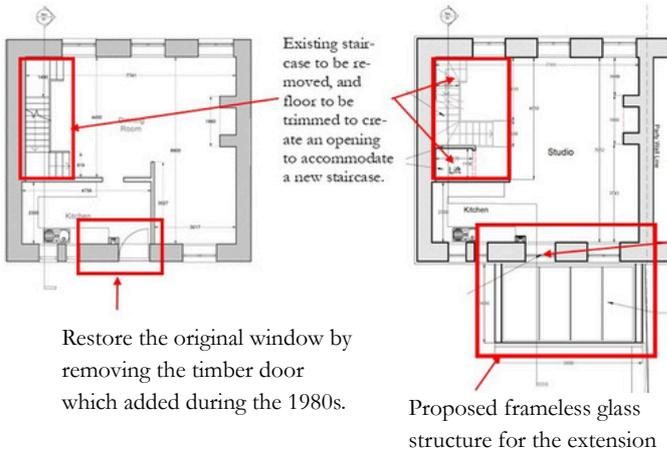
Existing North Elevation of No 4 Dye House



Photomontage of the North Elevation



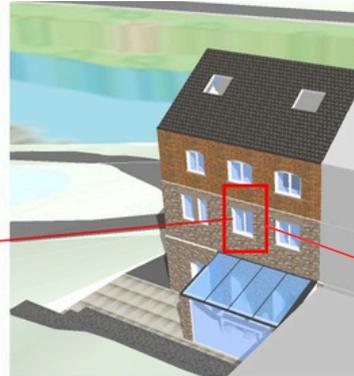
Existing South/Back Elevation of No 4 Dye House



Existing staircase to be removed, and floor to be trimmed to create an opening to accommodate a new staircase.

Restore the original window by removing the timber door which added during the 1980s.

Proposed frameless glass structure for the extension



3D Sketch View of the Proposed Extension on the South/Back

Case Study 7:

Loft Conversion Chapel Allerton, Leeds

This project involved the design and delivery of a loft conversion to a residential property in Chapel Allerton, Leeds, creating valuable additional living space within the existing roof envelope. A rear flat-roof dormer was introduced to increase headroom and floor area, allowing the loft to be converted into a bright and functional space. A new staircase was formed by reconfiguring the first-floor layout, and the existing bathroom was fully refurbished. Structural upgrades, including new floor joists and ceilings, were undertaken to meet current safety and performance standards.

The project included the preparation of a full Building Regulations drawing package, detailed specifications, and structural calculations. Approval was obtained in compliance with statutory Building Regulations, ensuring the conversion met requirements for structure, fire safety, insulation, access, and sound performance.

The project was completed in 2024



Case Study 8:

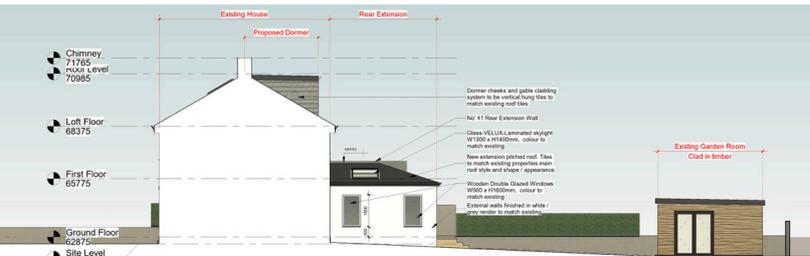
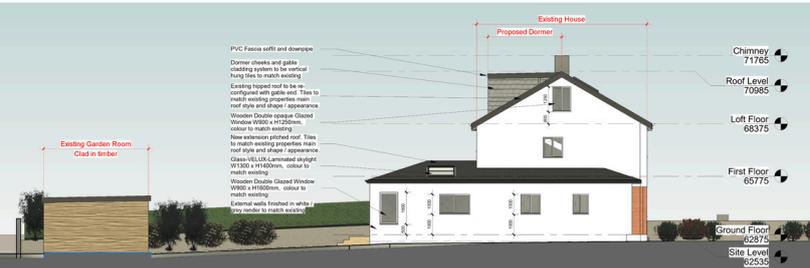
Rear & Side Extension with Attic Conversion Kilmacud, Co. Dublin, minutes from Dundrum.

The proposal includes a rear extension to create an open-plan kitchen and dining area, a side extension for a bedroom, shower room, and utility, and the conversion of the attic into a family room with ensuite. External access to the rear garden will be maintained via a 1m-wide side gate. The design, with an estimated additional area of 40 sq.m, will comply with Dún Laoghaire-Rathdown County Council guidelines and reflect the architectural character of the surrounding area.

The project was completed in 2024



Existing and Proposed Views

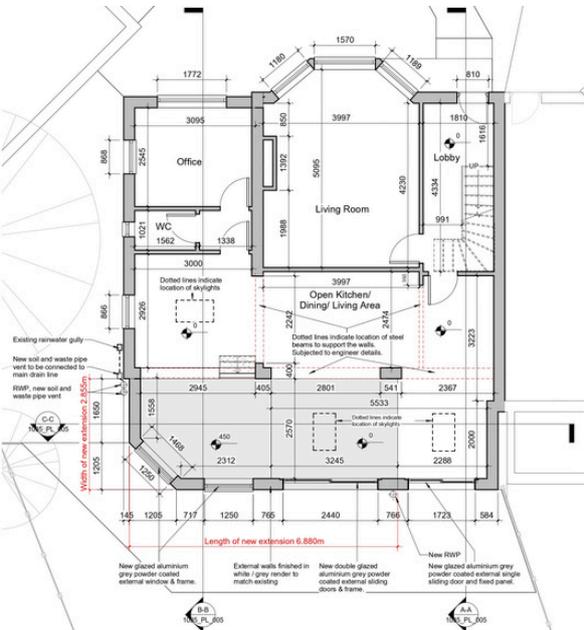


Case Study 9:

Single-Storey Rear Extension and Alterations, Chapel Allerton, Leeds

This project involved the reconfiguration and extension of a three-bedroom semi-detached house to create a brighter, more cohesive ground-floor living space. Two existing rear and side extensions were linked beneath a continuous pitched roof, with integrated skylights bringing natural light into a new open-plan kitchen, dining, and sitting area.

The works also included a new wet room and improved internal circulation. Externally, the extension uses grey aluminium-framed glazing, light render finishes, and matching roof tiles to ensure a considered relationship with the existing house and surrounding properties, enhancing both functionality and appearance. The project was completed in 2024



Proposed Ground Floor Extension



Existing View from South West



Existing View from South East



Proposed 3D View from South West



Proposed 3D View from South East

Case Study 10:

Replacement and Extension of a Vacant Dwelling, Quay Street, Drumsna, Co. Leitrim

This project involved the demolition of a structurally unsound two-storey semi-detached dwelling and the design of a replacement 4-bedroom home on the same footprint. The original 19th-century property was beyond viable repair, as confirmed by a structural engineer's report.

The replacement dwelling was designed to replicate the scale and proportions of the original house while introducing a two-storey rear extension, rear dormer window, and modern construction standards. The scheme enhances energy efficiency, durability, and internal comfort while preserving the character of the existing streetscape.

Planning permission was granted by Leitrim County Council in **December 2025**, well ahead of the statutory decision timeframe, marking a standout project during the practice's tenth anniversary year.



Existing View from Main Street- North East



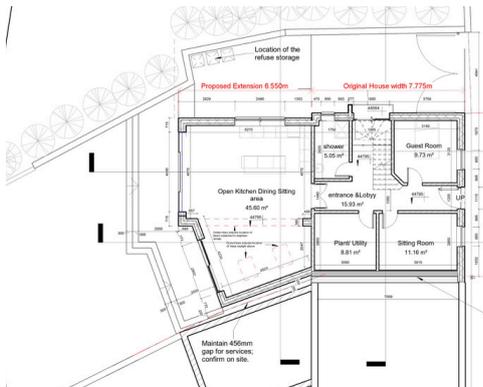
Existing View from Back Garden



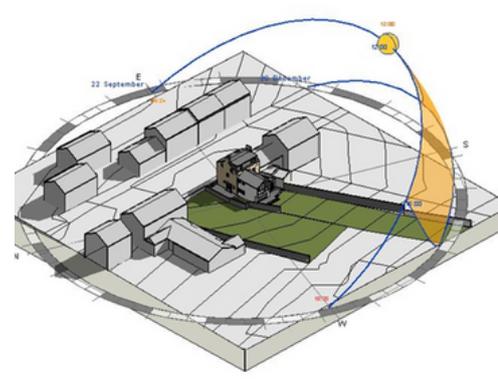
Proposed View from Main Street- North East



Proposed View from Back Garden



Proposed Ground Floor Plan



Daylight and Shadow Study

Case Study 11:

Rear Renovation and First-Floor Extension, Patrick Street, Boyle, Co. Roscommon (Under Construction)

This project involved the renovation and extension of a historic mixed-use building in Boyle, including the redevelopment of a vacant rear structure. The works introduced a first-floor timber-frame extension and reconfigured two studio units into a single two-bedroom duplex apartment. The design retains the proportions of the original building while incorporating contemporary elements, improved access from Eaton Lane, and upgrades to glazing, insulation, and drainage.

The completed scheme contributes to the conservation-led regeneration of Boyle's historic town centre and enhances residential quality.



Proposed 3D View - First Floor



Existing View from Eaton Lane 01



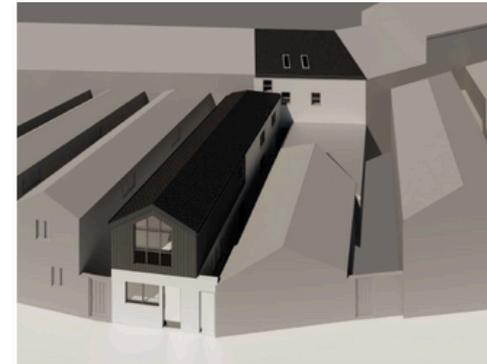
Proposed 3D View from Eaton Lane 02



Proposed First Floor Plan



Existing & Proposed Views from Exterior Hallway



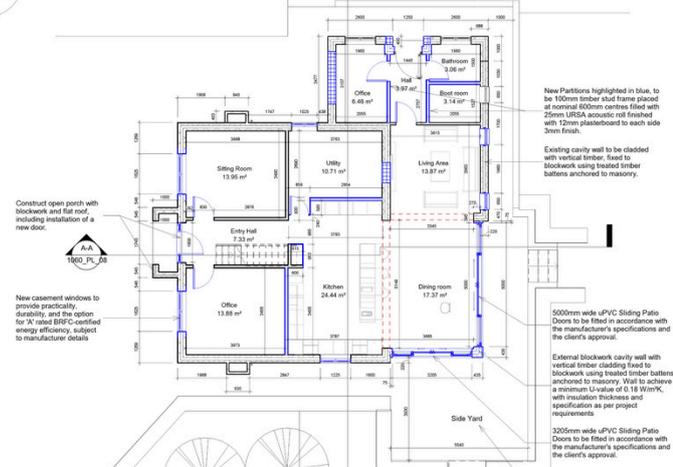
Proposed Aerial View

Case Study 12:

Renovation and Extension of a Two-Storey Dwelling, Oakport Road, Cootehall, Co. Roscommon (Under Construction)

This project involves the renovation and extension of a detached two-storey dwelling dating from the early 1980s, currently under construction. The design reimagines the house as a modern, energy-efficient family home while respecting its rural setting and original character. The works include internal reconfiguration and new rear and side extensions, creating an open-plan kitchen, dining, and living space at ground floor level, with supporting utility and service areas.

A first-floor extension introduces a new master suite and improved family accommodation. Externally, the extensions respect the scale of the existing building and incorporate energy-efficient construction, high-performance glazing, underfloor heating, and heat-recovery ventilation to support long-term comfort and sustainability.



Existing Views



Proposed 3D Views



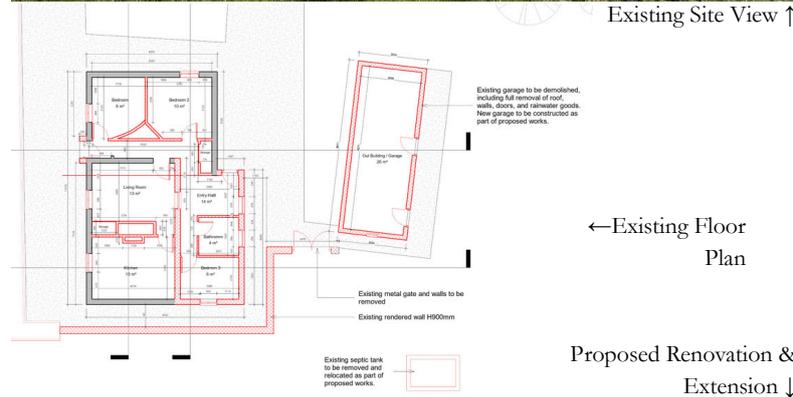
Case Study 13:

Renovation and Two-Storey Extension of a Rural Cottage, Cartron, Carrick-on-Shannon, Co. Roscommon (Planning Stage)

This project involved the renovation of a single-storey cottage and the addition of a two-storey rear extension. The scheme enhances the functionality of the dwelling while maintaining a strong relationship with the surrounding landscape. Works included the removal of an outdated side extension, the creation of an open-plan kitchen, dining, and living space opening to the rear garden, and the provision of additional bedrooms, utility space, and a new master suite with countryside views. A replacement garage and revised site access improved usability and safety. The scheme adopts modest proportions and natural materials to reflect local architecture, delivering a balanced and context-sensitive approach to contemporary living within a rural setting.



Existing Site View ↑



← Existing Floor Plan

Proposed Renovation & Extension ↓

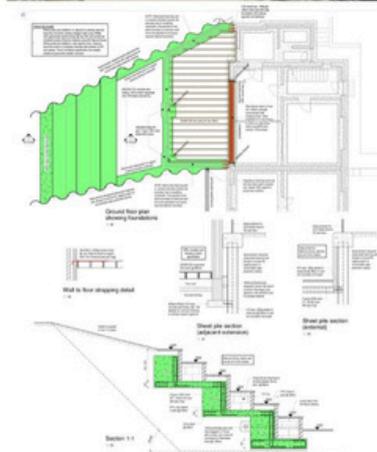


Case Study 14:

Single-Storey Rear Extension and Internal Alterations, Horsforth, Leeds

This project involved the design of a single-storey rear extension and internal reconfiguration to a three-bedroom semi-detached house in Horsforth, creating a bright open-plan kitchen and dining space with direct access to a new timber-decked garden. The extension incorporates a flat roof with skylights to maximise daylight, alongside light render finishes and aluminium-framed glazing that complement the existing property.

A new utility and storage space with side access further improves functionality. The completed scheme enhances both the appearance and usability of the home, delivering a modern family living environment that connects strongly with the garden and surrounding context. The project was completed in 2025



Existing View of Back Garden



Proposed 3D View 01



Existing View of Side Access



Proposed 3D View 02

Case Study 15:

House Porch, single-storey traditional structure in Manchester.

The client wanted to extend the entrance hall of her house and asked for 6 sq.m porch. The design considered providing additional space, to create a draft lobby and provide an architectural focus with traditional construction method and quality finishes including the main door and side windows.

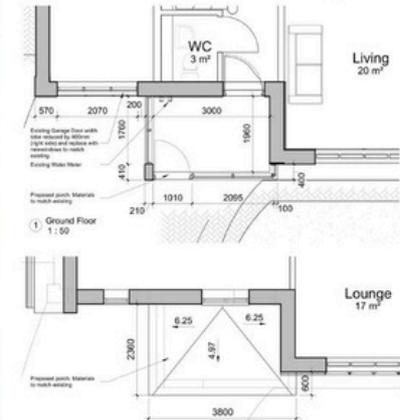
Structurally, the porch consists of low-level cavity wall, windows and a door. The foundation and junctions between the walls of the porch and existing building are properly sealed. Project completed in October 2022.

The project was completed in 2024

Before



After



Concept Designs

A curated selection of early-stage design studies developed across projects in the UK, Ireland, and Libya. These concepts explore massing, proportion, spatial relationships, and site response, forming the foundation for later technical development and delivery. Each scheme reflects an initial dialogue between context, client brief, and architectural intent.



1- Concept design for a private villa in Tripoli, Libya, exploring contemporary form, courtyard living, and climate-responsive design principles tailored to the local context.

2- Concept design for the renovation and rear extension of an existing bungalow in Co. Roscommon, Ireland, focused on contemporary living, natural light, and a strong connection to the rural setting.



Proposed Extension ↓



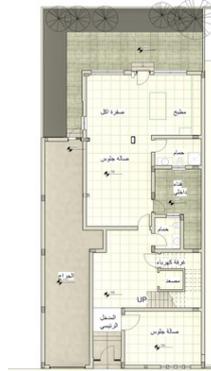
3- The Cootehall Site Development involves the proposed construction of Self-Contained Lodges and associated infrastructure in Cootehall, County Roscommon, Ireland.

Acting as lead Chartered Architectural Technologist, I have been responsible for preparing the site-specific flood risk assessment and producing the initial development concept design to support the pre-planning stage, with further design development to follow.



4- Private Apartment Block, Benghazi, Libya

A private apartment block designed and constructed in 2022, comprising four-bedroom units with open-plan living, en-suites, and a shared ground-floor space. The design complies with local planning and includes a garden, rear yard, and side garden.







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