



Michael Dyson
associates ltd

Capability Statement

Architecture / Design / BIM



Introduction

“Provided as a stand-alone service, or with the excellent support of other disciplines within Michael Dyson Associates Ltd, our Architecture & Design team focus on achieving the real goal of any project: the realisation of our Client’s vision through economical, sustainable, safe and progressive design.”

The design team at Michael Dyson Associates Ltd consists of a group of highly qualified professionals, including RIBA chartered architects, CIAT qualified technologists and chartered structural engineers, along with supporting assistants in each role. This breadth of skill and knowledge ensures assignment of the appropriate professional to every project to manage and deliver a successful outcome.

A RIBA Chartered Practice, we provide a full architectural and structural design service to meet our clients' individual needs through all RIBA stages from project inception to completion.

Our design team keeps up to date with current legislation, regulation and innovation so that all our projects can both meet the demands of the brief and maximise the potential of any site to ensure our clients achieve the best value possible from their investments.

Service Provision

Feasibility and Master-planning

Option Studies

Measured Building Surveys

New Build and Refurbishment Design

High-Rise Refurbishment/Recladding Specialist

Building Regulations Principal Designer

Low/Zero Carbon Designs

Retrofit Designer

Retrofit Co-ordinator

Modern Methods of Construction

Landscape Design

Structural Design

BIM

3D Visualisations

Consultation Events

CDM Principal Designer

Key People



Paul Tyrer RIBA IMAPS
DIRECTOR

Paul is a RIBA chartered architect and CDM professional responsible for managing a professional team of architects, technologists and structural engineers. During his 15 years post qualification experience he has gained significant experience working through all RIBA work stages on projects of varying size and value, developing specialist knowledge and skills in relation to housing development, refurbishment, regeneration, remediation and retrofit. He has a keen interest in the built environment and the dedication to see projects through to their conclusion.



Paul Sykes MCIAT
DESIGN ASSOCIATE

Paul is a chartered architectural technologist with 20 years' experience in the construction industry. He has a keen interest in the construction process and is dedicated to ensuring smooth co-ordination across all RIBA work stages. Paul manages the day to day running of our team to ensure that our clients are offered the best possible service and that our designs technically robust, are fully compliant with current regulations and performance standards, as well as addressing any buildability or H&S related items.



Mark Bradbeer RIBA IMAPS
SENIOR ARCHITECT

Mark is a RIBA chartered architect and CDM professional with over 13 years' post qualification experience in designing new build housing developments including affordable and market tenure homes, as well as care and supported living accommodation, estate regeneration and mixed use schemes. He has proven ability in managing multiple projects, objectives and deadlines, working closely with clients and consultants to ensure the smooth running of schemes from design concept and planning through to completion on site.



Sarah Speight RIBA
SENIOR ARCHITECT

Sarah is a RIBA chartered architect with 5 years post qualification experience designing for a range of residential projects involving housing development, refurbishment, remodelling and regeneration across the UK. She is a sub team leader managing a team of architects, technologists and assistants, to ensure projects are completed in-line with client requirements. She has a proven track record in delivering PAS3035 schemes acting in the role of retrofit designer and is a specialist in designing to meet the requirements of the Building Safety Act acting in the role of building regulations principal designer.

Broadacres Housing Association

Energy Efficient Design – Rural Exception Site, Huby

SERVICES PROVIDED

- Architectural Design RIBA 0-3+
- Novated Design Services RIBA 4-6



We were appointed via Broadacres consultants framework to consider a site with a previous failed planning application in Huby. We carried out a feasibility study to ascertain viability based on a rural exception site resulting in a design to provide 12 new homes. Broadacres purchased the land and our services were retained to complete design services up to submission of planning application.

Due to the previous failed application, by others, and the requirement to service local social housing needs we facilitated various design meetings with the client and held pre application meetings with the local planning department resulting in designs to introduce 8 x 2 bed 4 person houses and 4 x 3 bed 5 person houses, along with 2 parking spaces per property and 4 visitor spaces. The designs reflected properties in the surrounding Huby village area in scale and materiality. A new access road was proposed to highways adoptable standards.

The proposed site was off gas and Broadacres design criteria required an energy efficient site without dependence on fossil fuels, therefore our designs were based on high efficiency fabric first approach with air source heat pumps to meet a minimum SAP level A output.

Following planning permission, we developed our drawings to enable the procurement of a contractor and our services were novated RIBA 4-7 to the successful contractor, Esh.

Hertsmere Borough Council

Development of Apartment Blocks

SERVICES PROVIDED

- Architectural Design RIBA 0-3+
- Novated Design Services RIBA 4-7



We were originally appointed by Hertsmere Borough Council to provide Design Services RIBA Stage 0-3+ for the development of 15 mixed tenure apartments on a brownfield site in Borehamwood.

The scheme was required to meet Hertemere's 35% affordable housing requirements of their Housing Supplementary Planning Document. Our designs provided an opportunity to deliver 15 mixed tenure apartments in two blocks. Block A, the larger of the two blocks, delivered 11 apartments for the private rental market with Block B providing four apartments for affordable/social rent.

The development prioritised seamless integration with the existing urban fabric. Building heights were carefully designed to mirror neighbouring properties, maintaining a cohesive streetscape while offering residents picturesque views of Clarendon Park. The layout fosters a sense of community by encouraging interaction between building blocks, but also maintains a respectful separation from existing structures. An adoptable road layout ensures efficient access for both buildings. Additionally, the development incorporates ample green spaces and fosters a strong connection to the much used Clarendon Park.

Following planning permission, we developed our drawings to enable the procurement of a contractor and our services were novated RIBA 4-7 to the successful contractor, Parrott Construction.

London Borough of Hounslow

Small Sites Development Scheme

SERVICES PROVIDED

- Architectural Design RIBA 0-4
- Novated Design Services RIBA 4-7



We were initially appointed by London Borough of Hounslow to provide design services RIBA Stage 0-4 for the development of 8 small brownfield sites. Our initial designs produced the opportunity to provide 57 dwellings, a mixture of houses and apartments for affordable tenures across the sites. Following pre-application discussions with the planners, 2 sites were removed from the programme and our design process ultimately provided 48 new homes across 6 small sites in Hounslow and Feltham. The scheme would deliver a mix of houses, flats and an accessible bungalow for affordable housing and was funded through the GLA with associated budgetary and programming restrictions.

The flat block on the Swan Road site was subject to the requirements of the London Plan for carbon reduction targets. We worked closely with the design team to consider cost effective options that maintained viability and maximised environmental performance. The resultant scheme included a fabric first design with high levels of insulation to allow low u-values, MVHR units, site wide heating network, louvre controls to limit solar gain. The development was recorded as reducing CO2 emissions by 35.7% over Building Regulations.

Following planning permission, we developed our drawings to enable the procurement of a contractor and our services were novated RIBA 4-7 to the successful contractor, Glenman Construction.

Silva Homes

Refurbishment / Remodelling of Iveagh Court

SERVICES PROVIDED

- Costed Option Appraisals
- Architectural Design RIBA 0-3
- Novated Design Services RIBA 4-7
- Contract Administration
- Quantity Surveying



Iveagh Court is a residential complex constructed in 1978. A five storey L shaped building with undercroft car parking and 114 flats accommodated in four levels. We identified a number of issues with the building through a detailed building study, relating to lack of insulation, poor ventilation and drainage, structural defects and generally poor design. Our designs would look at the building as a whole and seek to improve the technical performance, aesthetic qualities and habitable standards.

Resultant works agreed included:

- New balcony solution
- New rainwater collection system to balconies
- Remedial structural works
- New windows and doors
- External wall insulation and insulation to exposed roofs and soffits
- New build communal core to the corner of connecting wings
- New communal entrance steps
- Refurbishment of main roof
- New entry control system
- Aesthetic upgrade

Our Contract Administration team were subsequently appointed to assist with contractor procurement through the SEC framework and manage the contract through to completion on site, with our design team novated to the successful contractor.

Kirklees Council

Retrofit Pilot Scheme

RIBA Stages of Work 0-7

SERVICES PROVIDED

- Architect/Lead Designer
- Retrofit Designer
- Retrofit Assessor
- Retrofit Co-Ordinator
- Structural Engineering
- Thermographic Surveys



Kirklees Council appointed us to design, and support delivery of, an energy retrofit pilot scheme on behalf of. The purpose of this pilot scheme was to develop a new energy retrofit housing standard, to allow the Council to implement across their full portfolio of properties in the future. The pilot scheme consisted of eight properties, with an EPC rating of E or lower.

The retrofit measures that were incorporated within the final design proposals included:

- Existing cavity insulation removed and replaced with new blown insulation.
- New External Wall Insulation with render finish.
- Re-roofing works and increase of roof/loft insulation.
- Triple glazed windows.
- New high performance external front and rear doors.
- Introducing Air Source Heat Pumps for all properties.
- Four properties received PV Panels.
- Four properties received solar thermal.
- Feature cladding.

Equans / Leeds CC

Retrofit Works to High-Rise Blocks

RIBA Stages of Work 1-6

SERVICES PROVIDED

- Architect
- Retrofit Designer
- Retrofit Assessor
- Retrofit Co-Ordinator
- CDM Principal Designer
- Structural Engineer



The scheme related to the retrofit works to 7 high-rise blocks in Little London, Seacroft and West Park areas of Leeds, part funded by wave 1 of the Social Housing Decarbonisation funding.

The 7 blocks included:

- 6 x 17-storey high-rise blocks – Lovell Park Towers, Lovell Park Grange, Lovell Park Heights, Parkway Court, Parkway Grange & Parkway Towers.
- 1 x 10-storey high-rise block – Moor Grange Court (59 Properties)

The primary measure for the scheme was for an A1 rated EWI system (based on mineral wool insulation with render finish), plus additional measures including; replacement flat roof insulation, insulation to exposed soffits beneath flats, window/door replacements, balcony repairs, creation of new main entrance with canopy and signage.

A key project consideration was the revised ventilation strategy to the properties. Incorporating the PAS 2035 measures to the envelope increased the risk of damp and mould build-ups, therefore, it was pivotal that the ventilation strategy was upgraded to the latest building regulation standards. It was agreed with the client that a decentralised mechanical extract ventilation strategy was adopted for the scheme. This included; replacing the existing ventilation units, introducing additional units to each wet room, and undercutting the internal circulation doors to ensure the flow of air through the flats was maintained.

The resultant scheme has seen resident energy bills halved and carbon emissions from each property reduced by a third.





How To Appoint Us

In addition to direct appointment, you can use a number of PCR compliant public sector frameworks to access our services. A selection of our current frameworks are provided here. Please contact us for further information or for a general discussion about how we may be able to assist with your project requirements.



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Procurement Limited

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