

Educational Portfolio

2023



Dedicated Professional Practice

Chartered Practice

Qualified Staff

Quality Systems

Vast Experience

BIM Systems

CDM Services

DHA ARCHITECTS

www.dhaa.co.uk



Last updated 231101_MN

Waverley School

RIBA Stages 0-7
Traditional Contract

Infill Balcony Conversion

This project required the conversion of the existing external balcony spaces on three levels. The balcony spaces were part of the original design when the school was built back in 2005.

The school identified the need to provide additional classroom spaces to include a new IT Room and Science teaching spaces.

The design approach was heavily influenced by the delivery of the construction works which was carried out whilst the school remained open and in full operation. The Construction programme was also limited to 8 weeks.

DHA developed the design by carefully selecting materials with the shortest delivery period and without limiting the availability of trades to carry out the installation during the busiest period in the construction calendar.



DHA ARCHITECTS

Education



Waverley School, Birmingham

RIBA Stages 0-7
Traditional Contract
Principal Designer CDM

Kitchen Servery

Design and installation of a new purpose built kitchen servery inside the existing primary school dining hall.

The proposal comprised the conversion and extension of an existing store room to provide the much needed facility.

The project had a number of constraints, primarily the position of the manifold to the under floor heating. The existing manifold would have proven very expensive to relocate and repair, at one point almost stopping the entire project going ahead. However DHA developed the design by keeping the existing manifold in the Centre of the room and building the new kitchen facility around it, incorporating it into the overall design.

The underfloor heating was not altered, instead the new structure was designed to minimise any loads on to the floor.



DHA ARCHITECTS

Education



HML School, Birmingham

RIBS Stages 0-7
Traditional Contract

Science Room Refurbishment

This bespoke design was one of two options put forward to the school. This particular design offered greater storage space combined with a quality that enhanced the teaching and delivery of the curriculum.

The spaces was modelled using CGI so that the school had the benefit of realizing the space prior to it being delivered.

Education



DHA ARCHITECTS

HML School, Birmingham

RIBS Stages 0-3

Optimisation Studies

DHA Architects have been working closely with the facilities management team at HML and Waverley Schools to understand the feasibility of a number of projects, ranging from changing the use of individual spaces through to studies into how students move through the building.

The studies are helping the school to utilize the space they have and understand where extensions and re-ordering of space may be necessary to unlock the potential of the site.

The team is working closely with teaching and management staff and uses 3D modelling software to help the school visualize options.

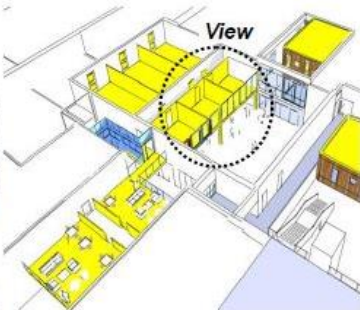
Individual projects, some of which are discussed later in this brochure, can then be brought forwards as funding becomes available and student need requires.



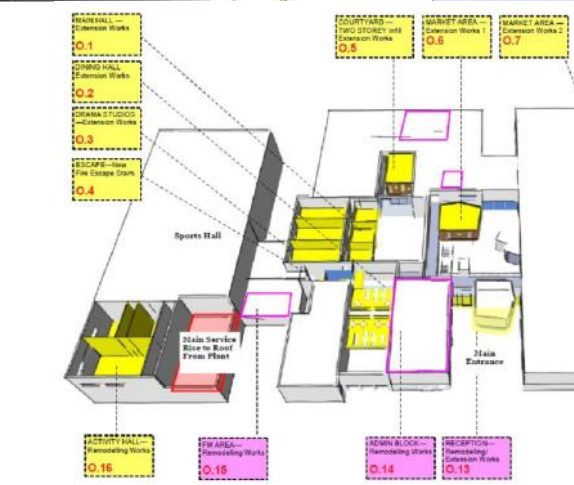
- Overview;
- Access via new staircase from dining hall.
 - Escape route via original staircase through K cluster and the new fire staircase.
 - Accommodation comprising new classroom teaching spaces.
 - New Mezzanine Floor maintaining the main hall access routes and floor area below.
 - Glazed elevation to improve natural light and openness of tall space.
 - Existing roof Ventilation turrets and structural trusses kept in their original positions.
 - Sprinkler heads and heating panels to be modified.

View - 3D Sketch Model - View inside Main Hall Internal Floor extension
GRADE A OPTION

3D Sketch Model of New Accommodation Spaces
Key—New Floor Areas shown in yellow.



Education



DHA ARCHITECTS

Mayfield School, Birmingham

RIBS Stages 0-7
Traditional Contract

New Sensory Room

The design of the new sensory room included the design of a number of connected spaces which included changing room, physiotherapy, feeding bay and soft play areas.

The spaces offer the school with a number of spaces all interconnected with ceiling hoists to enable both flexibility and ease of use,

Education



DHA ARCHITECTS

HML School, Birmingham

RIBA Stage 0-7
Traditional Contract

New Staircase Installation

The school had identified issues with managing pupils in the morning and at the end of the day. The existing staircase was not sufficient to meet capacity.

DHA carried out a complete assessment of all the existing staircase/circulation spaces in order to determine the needs of the school could be met including means of escape.

The staircase design was manufactured off site and assembled during the school term. A number of constraints on site such as bridging the existing drainage runs in the areas of the new staircase were overcome by working closely with the engineer.

Education



DHA ARCHITECTS

HML School, Birmingham

RIBA Stage 0-7
Traditional Contract

Temporary Classrooms

Temporary accommodation requires both planning permission and building regulations.

DHA were appointed to undertake an early stage feasibility study to look at several options for the location of the temporary buildings. The study looked at the costs/programme implications and how safeguarding and security systems could be maintained.

A number of below ground surveys were undertaken in the early stages which helped overcome complications in the ground such as existing culvert, drainage and mains water. This information which critical in the temporary foundation design and service connections.



DHA ARCHITECTS

Education



HML School, Birmingham

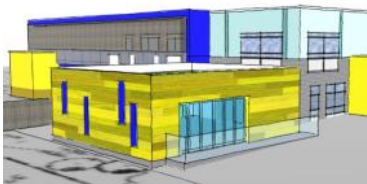
RIBS Stages 0-4

New Build Activity Room

This project is for the construction of two new rooms for the school. The first a Soft play area and the second a Multi-Functional Activity room.

Due to the location of the two spaces and the impact they will have on the running of the school, two different approaches were adopted by the design team.

The first a steel frame building using lightweight materials which can be easily craned into a lower ground floor area and minimizing the use of heavy machinery and noise on site and the second a complete off-site modular construction building which, once completed in a factory, is delivered and assembled on site.



DHA ARCHITECTS

Education



HML School, Birmingham

RIBA Stages 0-4

New Build Soft Play

The project currently due to start on site this year is for the new construction of a two new rooms for the school. The first a Soft play area and the second a Multi-Functional room.

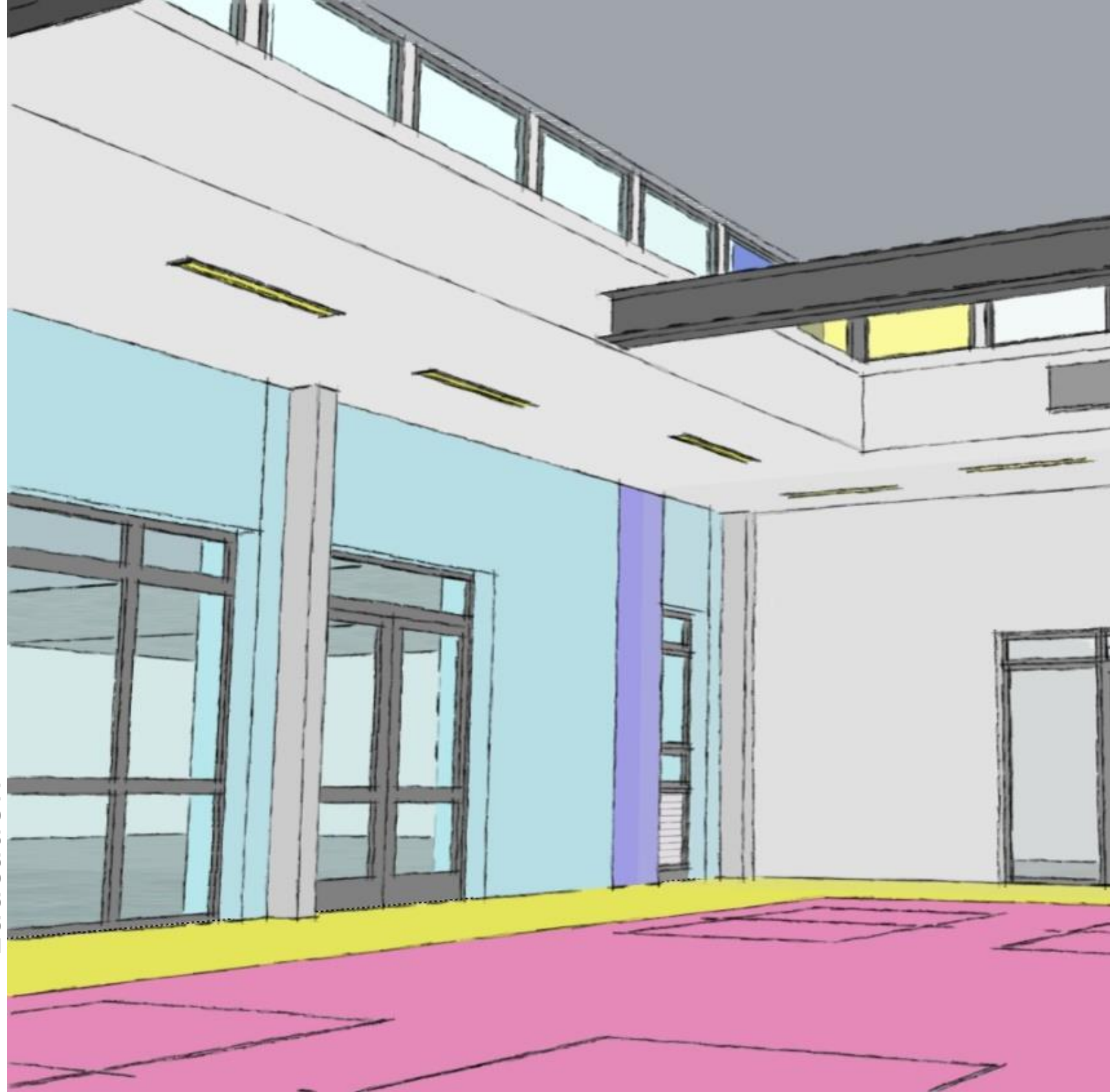
Due to the location of the two spaces and the impact they will have on the running of the school two different approaches were adopted by the design team.

The first a steel frame building using lightweight materials which can be easily craned into a lower ground floor area and minimizing the use of heavy machinery and noise on site and the second a complete off-site modular construction building which once completed in a factory is delivered separate complete rooms sizes and assembled on site minimizing the actual work



DHA ARCHITECTS

Education



Queen Alexander College, Harborne

RIBA Stages 0-7
Traditional Contract

Refurbishment

The Queen Alexander College in Harborne is a college catering for the blind and visually impaired.

Daniel Hurd Associates were commissioned to carry out a major refurbishment of their assembly and activity hall. The design was conceived to provide a variety of strongly textured surfaces, as well as strong colouring, lighting and forms for those with limited sight.



DHA ARCHITECTS

Education



ABC Nursery, Wolverhampton

RIBA Stages 0-7
Traditional Contract

New Build

DHA Architects were commissioned to obtain planning permission for a 120-place nursery with associated external spaces on an overgrown site on the edge of a business park in Wolverhampton.

The completed building provides 8 no. ground floor Ofsted standard childcare rooms with associated external play areas, kitchen, sanitary and reception areas with staff facilities being provided at first floor level.

Following planning approval, DHA Architects were novated to a local contractor for the construction stage.

Education



DHA ARCHITECTS

St Mary' RC, Harborne Birmingham

RIBA Stages 0-7
Traditional Contract
CDM

New Build

The Project was developed in close collaboration with the school and children.

The tight budget meant that a low cost solution was required which still met the schools requirements. In addition the school wanted the works to be undertaken during the school term meaning building works and deliveries had to managed to avoid any disruption.

The outdoor space provided the school with much needed extra space for teaching which could be enjoyed most of the year.



Education



DHA ARCHITECTS

Broadway Academy, Birmingham.

RIBS Stages 0-1

New Build Classroom

DHA Architects were commissioned to prepare a feasibility study to explore the erection of a new adult classroom within the vicinity of the existing school grounds.

The location of the building was not ideal and the school felt their options were restricted by the lack of space available elsewhere.

During the early stages of the report, DHA identified a second option of locating a classroom within the existing entrance area and quickly established that the existing steel frame structure had the capacity to accommodate the proposed room.

The school excited by this further opportunity commissioned DHA to carry out a further report to explore both options.



DHA ARCHITECTS

Education



Brays International, Birmingham

RIBA Stages 0-7
Traditional Contract
Principal Designer CDM

Classroom remodelling

With less than 3 weeks to the start of the new school term, we were commissioned by our client to help deliver internal changes to a number of classrooms in two separate parts of the school site. These works would normally require at least 3 months of planning due to the number of new services and D&T equipment to be commissioned.

Having accepted the role of the Architect and Principal Designer, we quickly appointed a number of consultants and through close collaboration with the builder, local authority and school achieved a finished project to the surprise of many others.

Education



DHA ARCHITECTS

“The school were very pleased with the hand drawings produced by the Architect. It captured the brief and scope of works very well. This allowed everyone to understand what was being delivered from the outset. This minimised changes avoiding delays and additional costs”...**Paul Bowman**—*Lead Capital*





Sectors we cover

- Ecclesiastical
- Health
- Education
- Residential
- Community
- Conservation
- Commercial



DHA ARCHITECTS

www.dhaa.co.uk

