



Historic and Conservation Projects

Historic and listed building commissions



Chillington Hall Farm
Garston House Farm
Sir John Moore School
Derwent Business Centre
Redland Aggregates
British Railways Board
Clarence Mansions,
Ingestre Stables
Atrium Project
Wychnor Park
Meynell Ingram Arms
Five Ways House
Repton School
Bass Museum
Well Street
Holgran Ltd
North Street
Knowle Hill
Littlewoods
Castle Gate
The Ribbon Works
The Moat House
The Old Court House
Melbourne Hall
Cotton College
Fishmore Hall
Foxcote House
Vale Royal Abbey
Tramway Bridges
Rodbaston Hall
Oakamoor Lime Kiln
Cotton Dell Bridge
Oakamoor Sluice Gates
Price & Kensington Pottery
Henry Boys Almshouses
Victorian Drinking Fountain
Nanteos Mansion
Biddulph Grange Park



GCA Consulting engineers can provide creative, economic and sympathetic structural designs for historic and conservation projects throughout the UK.

Incorporated in 1975, the firm has been established for over 35 years and has gained wide experience working on listed properties.

We pride ourselves on the quality of our design services, delivered by skilled engineers to maximise opportunities for our clients.

GCA (UK) Ltd offers the following core services:

- Condition surveys and reports.
- Specification of sympathetic repairs for existing defects.
- Creative structural solutions for new build or extensions to historic properties.
- Refurbishment or remodelling works to existing structures.
- Calculations and design to support changes of use.
- Complex and challenging projects.
- Foundation underpinning, increased loads
- Surveys of derelict or fire damaged properties.
- Infrastructure, drainage, highway design and landscaping.
- CDM co-ordination.
- Party wall surveying.
- Expert witness work.

Key differentiators:

- Wide experience of working on listed properties.
- Established company with over 35 years experience.
- All engineers are chartered.
- Accredited with ISO 9001 and ISO 14001.
- £5 million Professional Indemnity and £10 million Public Liability Insurance cover.

Fishmore Hall



GCA's involvement with this property began in 2008 with an inspection of the building in its derelict state. Our report formed the basis of remedial works to the building and we worked closely with the architect to develop plans for the refurbishment of the property.

In 2010, the client approached GCA again to develop and extend the ground floor of the hotel. The key structural challenge was the removal of nine linear metres of external wall to create an open plan dining area at ground level.

GCA specified the works required to avoid deflection and cracking of the first floor façade when creating the opening below. The resulting light, airy space provides a high quality environment at this boutique hotel.



Vale Royal Abbey



GCA undertook all civil and structural engineering design work to this Grade II* listed building, dating from 1270. GCA supervised the refurbishment of the original structure to bring the building into use as a private golf club and apartments.

The scheme included the improvements of the drainage and the installation of a new water treatment works, together with access roads, landscaping and various ancillary works. GCA were involved throughout construction through to completion of the project.



Perrott's Folly



Perrott's Folly, also known as The Observatory, is a 29-metre (96-foot) tall tower, built in 1758 which carries a Grade II* listing.

It is currently in the possession of Trident Housing Association, a registered charity. GCA was asked to undertake a structural inspection of the tower as part of a development of the tower and grounds.

The inspection revealed significant cracking and deterioration of the building fabric, including evidence of previous structural repairs which had been unsuccessful. GCA proposed further investigation work and remedial structural interventions as part of this ongoing scheme.



Market Street, Uttoxeter



GCA were called to inspect a shop building in the centre of Uttoxeter. The property was in a poor state of repair with the front façade in danger of collapse.

Investigations revealed the building to be a Tudor timber frame, overlaid in Victorian brick.

Working to GCA instructions, the brick façade was removed, the property refurbished and the original Tudor front elevation fully exposed and refurbished, significantly enhancing the street.



Ribbon Factory, Coventry

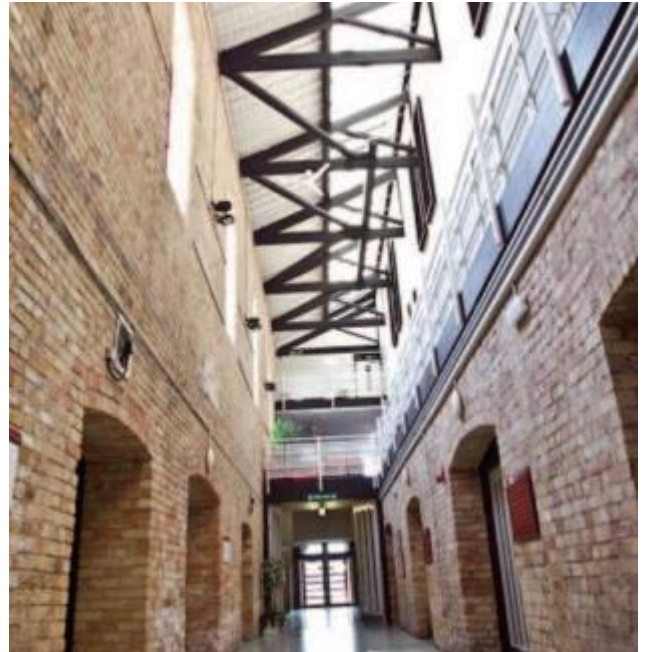


GCA undertook structural design work to support the restoration and extension of the Grade II listed former ribbon factory in Coventry. Sympathetic restoration was essential as the property is one of the last remaining original industrial buildings in the City Centre, and GCA developed their structural works accordingly.

Part of Coventry's 11th century Cathedral was exposed during demolition works, requiring the construction of the new extension around this ancient monument to be amended to preserve the remains in-situ.

Later additions to the building were removed, the four storey structure was stabilised and opened out at ground floor. The building was extended to provide additional commercial space in a contrasting modern style, fronting on to one of the new public spaces created as part of the Sterling Prize short-listed Phoenix Initiative.

Derwent Business Centre



The former Victorian bonded warehouse in Clarke Street, Derby had lain derelict for a number of years when GCA undertook the initial appraisal of the structure. Areas of remedial work were required and GCA subsequently undertook the structural design of all conversion works to create 42 offices and studios.

This conversion involved the installation of additional floors, walls and access ways, together with refurbishment and strengthening of the below ground level areas. All structural interventions were undertaken sensitively and in keeping with the original building fabric. GCA won a Civic Trust award for the scheme.

