

Gyoury Self
CONSULTING ENGINEERS

STEEL CONNECTION DESIGN SERVICES

Chartered Structural and Civil Engineers since 1980

The Institution
of Structural
Engineers



ice
Institution of Civil Engineers

Gyoury Self

STEEL CONNECTION DESIGN SERVICES

No matter how complex your connection needs, we can meet the challenge!

Contact us: T: 01273 414413

Structural design expertise you can trust

Gyoury Self provides professional steel connection design services for structural steelwork companies and project contractors throughout London, the South East and across the UK. We are also recognised for our work as principal structural engineers for major UK contractors, including **Kier Group**, **Willmott Dixon** and **Galliford Try**. So you can expect the highest standards when it comes to the design and delivery of steel connection designs for your project, whatever the scale. Our experience includes meeting complex connection design challenges across a range of sectors.

Connections designed to the highest standards

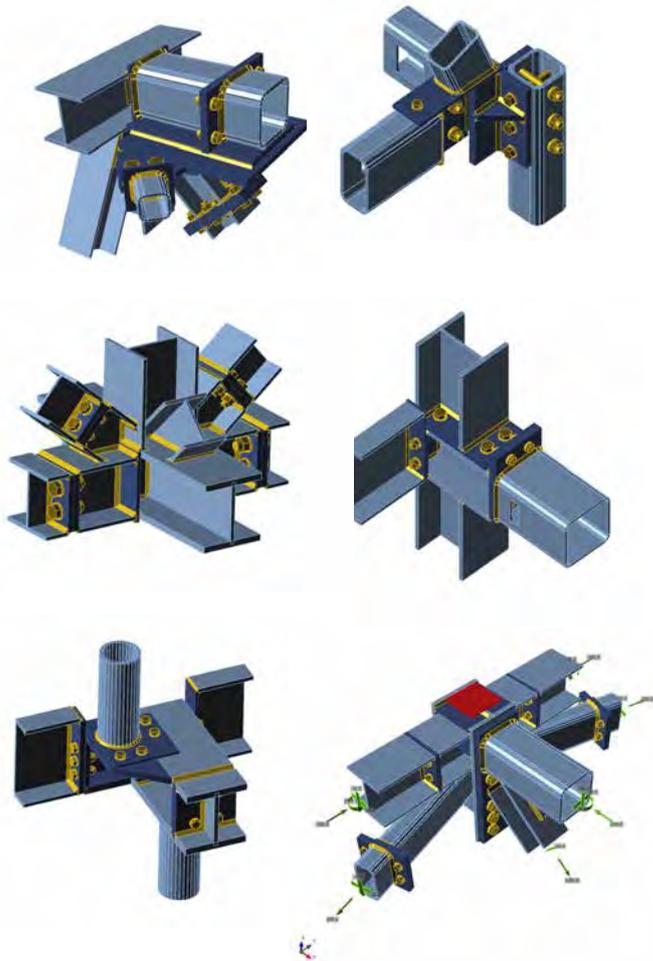
Whatever the specification of your structural steel connection, we always aim to refine the design to maximise productivity and reduce project costs. To ensure the highest quality control standards are met, all steel connection designs are checked and approved by our **Chartered Structural Engineers** prior to delivery.

Our highly-skilled structural engineering teams use the latest technology and software, including **MasterSeries Moment & Simple Connections**.

When a project calls for more complex connection configurations, we use **IDEA StatiCa** engineering software for the structural design and code-check of joints, cross sections, beams and other details.

“ *IDEA StatiCa is fantastic 3-D design software that allows us to design some of the most interesting and complex steel-to-steel connections. When a client comes to us with a job that includes complicated connections that may have specific site limitations, such as inaccessibility to weld certain areas, we are able to review and produce a design to meet the brief whilst ensuring structural integrity.* ”

Roli Binitie, Gyoury Self Structural Engineer





Eurocode 3 Connection Designs

SCI P358: Simple Connections

- Beam to beam and beam to column connections
- Column and beam splices
- Column bases
- Bracing connections

SCIP398 Moment Resisting Connections

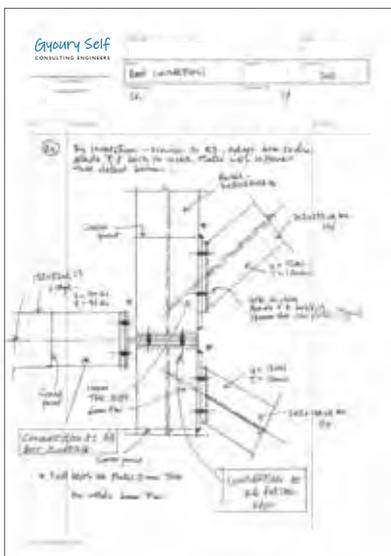
- Bolted end plate connections between beams and columns typically used in multi-storey frames
- Bolted end connections typically used in portal frames
- Bolted splice connections
- Welded connections between beams and columns
- Column bases

Specialist Connection Designs

We are also experienced in producing specialised connection designs, including steel to concrete using chemical anchor fixings, balustrade bases and complex truss connections.

Call **01273 414413** for more information.

*Not sure if we design the steel connections you need?
Please contact us - our engineers are happy to review projects and provide advice on connections.*



Fast, Accurate, Efficient

We are used to working collaboratively on projects and can create connection designs in a range of formats suitable for delivery to fabricators and design teams.

Whatever the scale of your project, we apply the same level of detail and take pride in delivering a fast and efficient service.

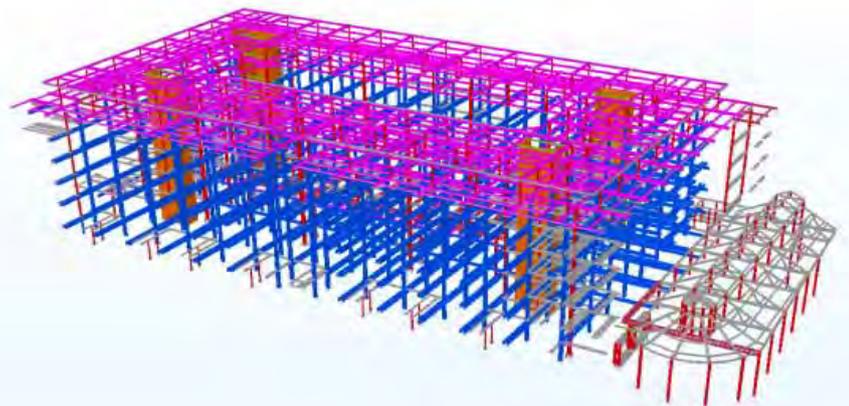
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STEEL CONNECTION DESIGN PROJECTS



Islington Square, London

Working in collaboration with the principal structural design engineer, **Gyoury Self** provided complex connection designs for the 725 tonnes of steel used to retrofit the 6-storey, Edwardian-built building at the heart of this extensive mixed use re-development project.



Current projects include major retail and mixed use developments across the UK

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Eastbourne College, East Sussex

A £33m re-development scheme to create a 21st century independent education campus.

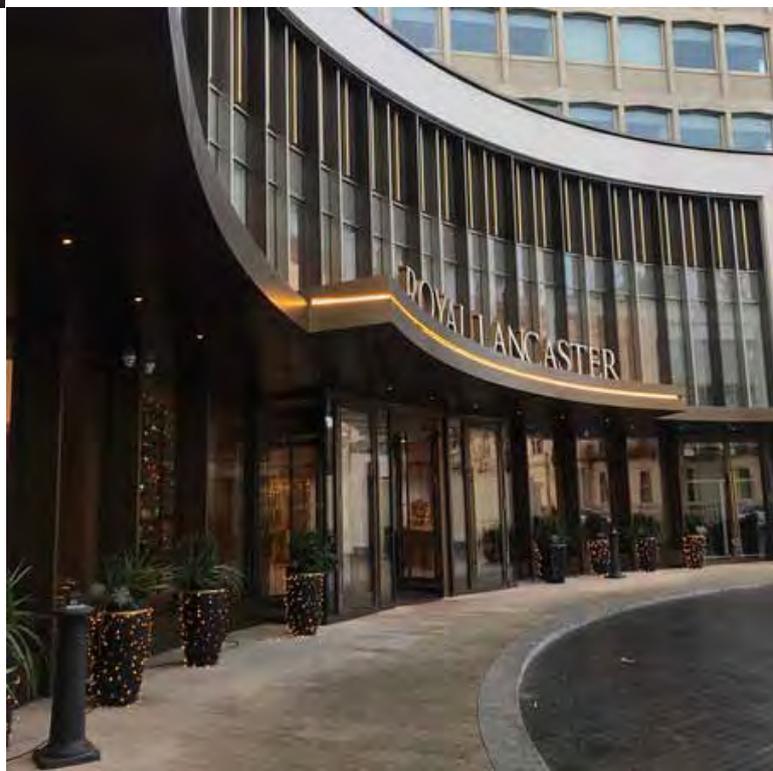
The Gyoury Self team in Brighton and Hove provided full structural and civil engineering work throughout this extensive phased development. All steel connection design and detailing was carried out by Gyoury Self Fareham/Portsmouth.



Royal Lancaster Hotel, London

As part of a £75m refurbishment, we provided connection designs for a series of steel beams to replace the old reinforced concrete columns. The connections were designed to enable the fixing of new steelwork to the existing building.

Numerical modelling software, BIM and hand calculations were all utilised to produce a solution suitable for ongoing development of the project.



Gyoury Self

CONSULTING ENGINEERS

Established in 1980, Gyoury Self provides structural and civil engineering services to commercial and residential clients across the UK and overseas. We combine engineering expertise with the latest design technology to deliver **cost-effective, buildable solutions**.

We regularly undertake multi-million pound engineering projects for private and public sector clients. This includes civil and structural consultancy on buildings ranging from universities, schools and sports facilities, to retail parks and waste transfer facilities.

FRIENDLY, APPROACHABLE, PROFESSIONAL

We believe in building long-term, trusted relationships with our clients and partners. From the design phase through to project completion, we provide the engineering skillset needed to get your project completed on time and on budget.

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