

Gyoury Self

CONSULTING ENGINEERS

# STEEL CONNECTION DESIGN SERVICES

Gyoury Self provides professional **steel connection design services** for structural steelwork companies and project contractors throughout London, the South East and across the UK.

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!*

### 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.

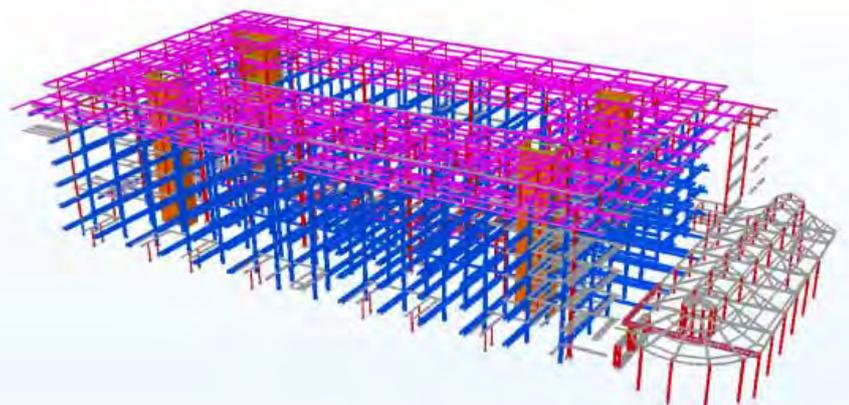
### Structural design expertise you can trust

We are 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.

### Connections designed to the highest standards

Our highly-skilled structural engineering teams use the latest technology and software, including MasterKey, to produce a range of simple and moment connections to meet Eurocode 3 standards. If your project calls for more complex connection configurations, we also have that covered. Our experience includes meeting complex connection design challenges across a range of sectors.

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.



Contact us: T: 01273 414413 | [www.gyouryself.com](http://www.gyouryself.com)



## 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

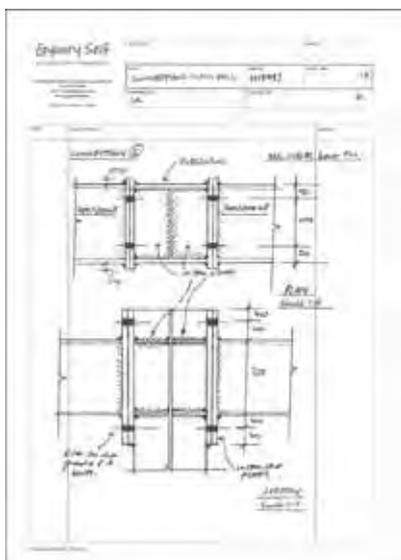
- Bolted end plate connections between beams and columns typically used in multi-storey frames
- Bolted end connections typically used in portal frames
- Bolted splice connections
- Welded connections between beams and columns
- Column bases

## 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.*



GOURNELL PARTNERSHIP		Scale
Gournell Partnership 107 Woodley Road, Woodley, Reading, RG9 6AT Tel: 01273 414413 Fax: 01273 414414 www.gournell.co.uk		1:10 1:20 1:50 1:100 1:200 1:500 1:1000
<b>84 to 86th beam 82</b> <b>Beam to Beam Stiffness Connection to 80-85th</b> <b>Beam-Plate</b>		
<b>Four Bolted, Asymmetrical Endplate to Endplate</b>		
<b>Basic Dimensions</b>		
<b>Summary of Results (Units Metric)</b>		
<b>Right Hand Beam</b> Yielding Load Capacity Ultimate Load Capacity Yielding Load Capacity Ultimate Load Capacity Yielding Load Capacity Ultimate Load Capacity Yielding Load Capacity Ultimate Load Capacity	248.000 270.000 248.000 270.000 248.000 270.000 248.000 270.000	100 100 100 100 100 100 100 100
<b>Supporting Beam</b>		
Yielding Load Capacity Ultimate Load Capacity Yielding Load Capacity Ultimate Load Capacity		

## 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.

# 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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