

# Building 1, Croxley Park

Find out more at - [www.croxleypark.com/availability/building-1](http://www.croxleypark.com/availability/building-1)

## Progress Update

Update on progress, activities and what's coming up over the next month

Issue 03 – January 2017

A Happy New Year to you all from us at the ISG Croxley Park project. We have had an excellent start to the year with the commencement of the first-floor slab already underway.

The beginning of January saw the completion of the ground floor slab, which in turn, has allowed the erection of the concrete columns and lift shaft walls between the ground and first floor. The second stage is then to erect the temporary formwork between the ground floor slab and the first floor, on which we can form the concrete for the first-floor slab.

### Meet Our ISG Managers:



**Jack Gibbs**

**Construction  
Graduate  
Trainee**

Jack joined ISG in 2015 after completing his BSc Honours in Construction Project Management at Oxford Brookes University.

Since starting with ISG Jack has taken on numerous tasks and responsibilities on several projects and is now fully integrated into the team. Jack has been tasked with assisting with the general running of the construction activities and will be leading the management and coordination of the curtain wall glazing of the entire building façade.

### Construction Progress (Wk 15 of 53)

- Tower Crane Erection Complete
- Ground Floor Slab Formation Completed
- Column and Wall Erection Between Ground and First Floor Complete
- First Floor Slab Commenced



View from Tower Crane - First Floor Slab Formwork in Progress

### Concrete Frame in Numbers

The frame that forms the structural skeleton of the new building is a self-supporting structure of reinforced concrete. The total tonnage of steel to be used for reinforcement on the project is 577 tonnes. The total volume of concrete that forms the pile caps, ground beams, the floor slabs and columns totals 3,442 cubic metres, that's almost enough to fill one and a half Olympic swimming pools!

To support the tower crane we had to form a concrete base consisting of almost 50m<sup>3</sup> (130 tonnes) of concrete. This is sufficiently to be a strong and weighs enough to support the cranes 50m long jib, 27 meters in the air.

For further information or to discuss how we could help your project please email [Building1CroxleyPark@isgplc.com](mailto:Building1CroxleyPark@isgplc.com)

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### Up-coming Works / Events

- First Floor slab continuing and Second Floor slab commencing *involving concrete, reinforcement and formwork deliveries*
- Scaffold edge protection to completed concrete slabs and temporary staircase installation around the building
- External drainage excavations and drainage installation *involving drainage and materials deliveries within the site*

### The Tower Crane Erection

On Thursday 22<sup>nd</sup> December 2016, a 200-tonne mobile crane was used to erect the tower crane. This will be situated on the site until April 2017.

The crane stands at 27m tall, can lift up to 8 tonnes and even lift 3.2 tonne at the end of the 50-metre jib and will be vital for the construction of the concrete frame.

Once the concrete frame has been completed around the crane itself the crane will then be dismantled and lifted out from the structure using another mobile crane.



**ABOVE:** the first section of the mast erected

**RIGHT:** The second (top) section of the mast being lifted into place with the mobile crane



**ABOVE:** the back jib being lifted onto the mast, onto this the counterweights are installed

**RIGHT:** The front jib being installed to complete the crane erection



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