

## **Barnshaws services high quantity order for 360 Barking development**

**Comprising of rising, shining cylinders with smooth curved balconies, 360 Barking on Cambridge road in London is a truly modern development offering over 291 new apartments. One of the key enablers of its attractive, curved aesthetic is metal bending experts Barnshaws Section Benders, who precision curved 768 steel channel sections to create the sleek balcony structures.**

Contractor Alloy Fabweld, the UK leader in architectural metalwork, entrusted this large order to their professional heavy process provider Barnshaws due to the fabrication quality the business has provided in support of previous construction projects. A large production capacity is inherent to Barnshaws, which meant it could service the order effectively. Furthermore, Barnshaws is at the forefront of supplying curved fabrications in steel or aluminium for structural and aesthetic purposes across the UK. This experience meant that Barnshaws was ready to meet the demands of the 360 Barking project.

Barnshaws was required to bend three different measurements of channel section to four different radii, with toe-in and toe-out bends combining upon assembly to create the fluid form of the balcony. Barnshaws was able to process the 768 individual pieces thanks to its wide array of specialist steel bending machines, the operation of which are a closely guarded company secret. As a result, this large order could be delivered within the allotted timeframe to safeguard the 360 Barking project schedule.

Providing additional housing is key to alleviating the housing crisis currently gripping the UK. The 360 Barking development will go a long way to providing more options to buyers in the London area, while also proving that new housing developments needn't conform to boxy designs. With the help of precision curved structural steel, new housing developments can help enhance the skylines of our crowded cities, while providing the new living spaces the UK housing market requires.

### **Photo Captions:**

**Photo 1:** Barnshaws was required to bend three different measurements of channel section to four different radii, with toe-in and toe-out bends combining upon assembly to create the fluid form of the balcony.

**Photo 2:** Barnshaws is at the forefront of supplying curved fabrications in steel or aluminium for structural and aesthetic purposes across the UK.

**Photo 3:** Comprising of rising, shining cylinders with smooth curved balconies, 360 Barking on Cambridge road in London is a truly modern development.

## About Barnshaws

Established in 1969, Barnshaws has grown to become the world's premier specialist profile bending company; supplying market sectors such as construction, power generation, mining, transport and general manufacturing with shaped beams, tubes, plate and other profile section materials. More recent developments have seen the company's engineering expertise expand from mostly steel to non-ferrous materials including copper and aluminium as well as specialist materials such as Hardox.

Barnshaws has ISO 9001:2015 approval and was Europe's first bending company to achieve CE Marking of curved sections to Execution class 4, the highest standard available.

With facilities in the West Midlands, Manchester, Hamilton and Poland, Barnshaws can provide precision metal bending and profile cutting services, locally, nationally and internationally.

Equipped with the largest capacity bending machines in the world, Barnshaws can deliver curved sections up to 35 meters in length with the capacity to bend tubes and pipes up to 1,524mm outside diameter. In addition, the largest range of press brakes in the UK can accommodate materials up to 12 metres in length and form sections from materials up to 80mm in thickness, this together with a vast range of rolling machines enables Barnshaws to offer rolled cylinders from 350 to 4200mm diameter with wall thicknesses upto 100 mm, all of which can be supplied in the welded condition singly or in multiple belt lengths.

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