



Quadriga Helps To Restore the Oldest Surviving Roundhouse in Derby.

The detailed restoration of the 11,796 sq m of disused grade II-listed Roundhouse buildings in Derby is more than just a refurbishment project.

Built in 1839 the Roundhouse was originally a joint venture between the Midland Counties Railway, the North Midland Railway and the Birmingham & Derby Junction Railway and was used for repairing steam trains and cranes. It was designed using 16 perimeter brick walls covered by a timber roof while inside, a circular colonnade of 16 cast iron columns supported the roof's elaborate truss system. Repair bays emanated out from the central turntable.

Attached to the Roundhouse are two buildings; the first of which is a carriage shop – a rectangular two-storey building with a galleried first floor used primarily to build and repair railway carriages. The other is a three-storey office complex and there is also a stand-alone engine workshop.

All of the buildings are constructed of brick with suspended timber-constructed floors.

Some of the roof timbers and floors were rotten and Quadriga were appointed by main contractor Bowmer and Kirkland to restore and replace all defective members. The programme of works involved drilling and pinning the fractures and shakes in the timber with stainless steel dowels in conjunction with the injection of an epoxy resin repair system. This consolidated and sealed the shakes in order to reintroduce the original structural integrity of each member. All timbers were treated for dry rot and beetle infestation.

Bowmer & Kirkland is working in close liaison with English Heritage and the local authority to ensure each stage of the renovation works meets their exacting standards.

As well as being Derby's flagship site, the Roundhouse will also be a visitor centre and social hub, where people can learn about the city's history, helping meet the Heritage Lottery Fund's stipulations dictated for its £4.38 million contribution to the project.

The lion's share of the Roundhouse funding has come from the Learning and Skills Council. The remainder comes from various agencies including the East Midlands Development Agency (£3 million), the Derby and Derbyshire Economic Partnership (£1.5 million) and the European Regional Development Fund (£1.35 million) as well as college contributions raised through a property sell-off.

Quadriga specialises in work on historic buildings and past clients have included The Foreign and Commonwealth Office, The British Museum and The Crown Estate Office.

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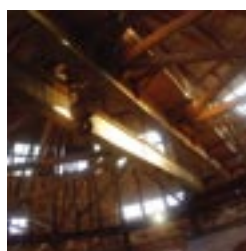
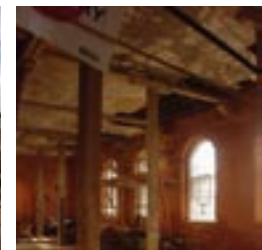
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