KING'S CROSS

King's Cross Columns

FSE Foundry plays a large role in preserving historic designs and is involved with projects restoration projects from listed buildings, extensions of Victorian stations to repairs to contemporary sites.

As an example and working with Slinden Services Ltd who provided an original column to be used as a pattern, FSE replicated Victorian canopy two columns and 8 brackets for an extension at King's Cross Station.

Experienced in house pattern making skills were used to modify the original column coring out the base section, adding a contraction allowance and resulting in the finished article matching the original column's dimensions.

Strength and ductility improvements were made to the replica casting by using Spheroidal Graphite Iron, as opposed to the original grey cast iron..

FSE Foundry can provide you with complete service, from pattern design and production, to metallurgy, quality control, castings and finishing, all under one roof
WE AIM to:
Provide a quick response to enquiries with manufacturing expertise
Provide a number of casting processes to meet customer requirements

KING'S CROSS

Completed Column

A number of structural and ornamental brackets were also made which fitted alongside the original columns. These required as cast dimensionally accurate attachment points at the top of the column to ensure the assembly fitted the main building structure and that costs were minimised.

This was achieved by casting a forked void at the top of the column created with a sand core that also incorporated as cast bracket fixing holes.

Prominent Victorian design detail was re-created using the same techniques further reducing cost at the post casting machining and assembly stage.

Our experienced moulder's created 'draw-backs' during moulding to overcome the undercut webs at the base of the column again reducing cost by eliminating additional pattern work that would have been needed otherwise to achieve this detail.