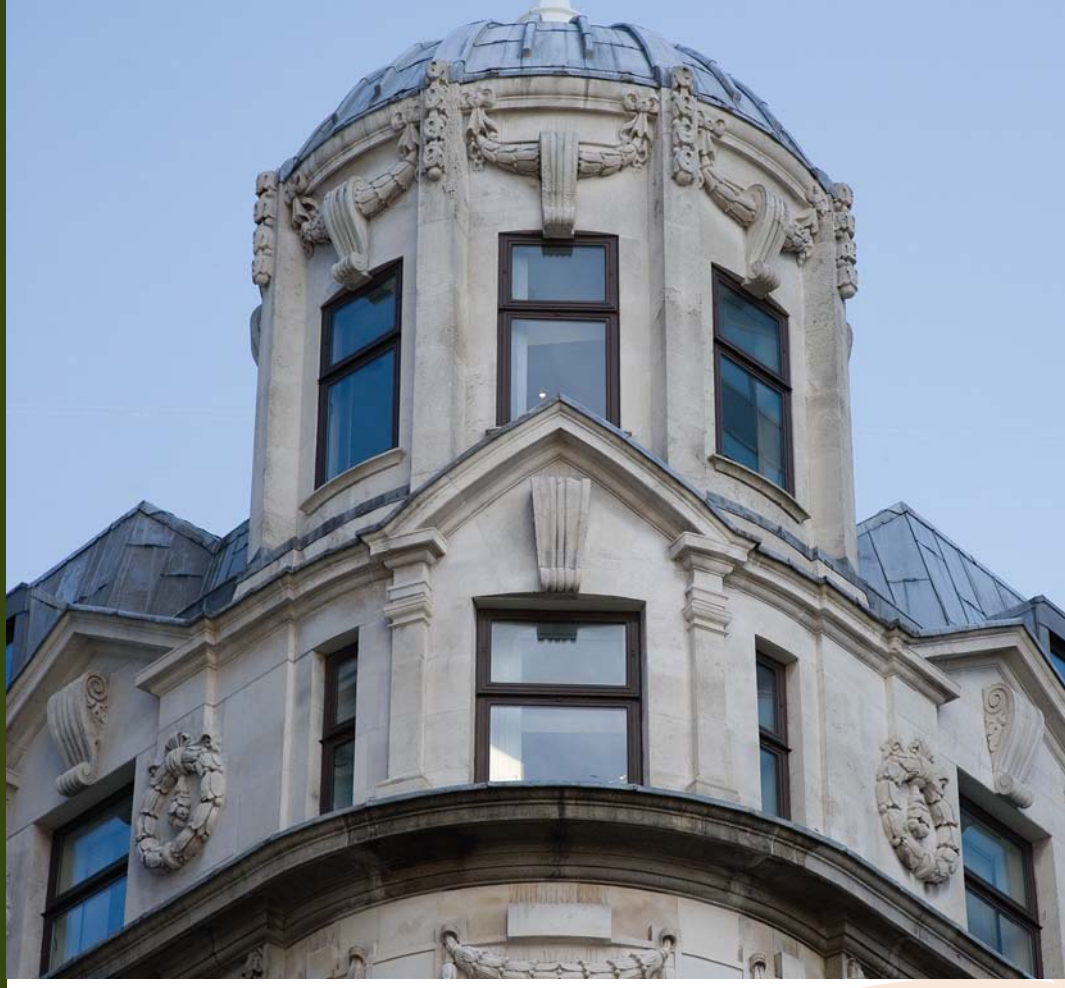
By appointment to
Her Majesty The Queen
Building Façade Restoration
and Conservation



159 Fenchurch Street

In the period between the late 19th and early 20th Century, thick wall load bearing masonry buildings gave way to taller masonry clad steel framed buildings. As designers established the best practice for construction during a period of change between solid masonry and modern stone cladding to a steel frame, inherent problems were created.

In early steel framed construction, the relatively thick external stonework was notched around the structural steel frame and the void filled with a low grade cementitious mortar. Where the depth of cover to the steel frame was reduced, the moisture content within the masonry provided an ideal environment for corrosion.

On the project, the decorative garland spandrel panels were fractured because of the steel beams behind corroding. PAYE's skilled masons replicated and replaced all of the spandrel panels and then installed an Impressed Current Cathodic Protection system to the structural steel frame to prevent corrosion from reoccurring.

PAYE's skill, knowledge and expertise in the installation of Impressed Current Cathodic Protection systems clearly demonstrated on this project how the problem of steel frame corrosion can be remedied without the requirement for wholesale removal of masonry.

- Cleaning
- Repair
- Conservation
- Extension
- Adaption
- Surveys
- Budgets
- Technical advice

PAYE

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