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Strengthening of columns and beams of Harp House, the Italian Consulate in London, UK.

The Italian Consulate London leased a building at Central London to house their new offices. A complete design for structural upgrade was done in Italy within the project of refurbishment of the whole building.

The design entailed the shear strengthening of the beams and also the connection and strengthening of the columns with the application of Composite Materials (Fiber Reinforced Polymers).

The general contractor contacted Fibrwrap UK's specialist application and design team to help them out in FRP applications. Tyfo Fibrwrap Carbon Systems were used in order to achieve the designed requirements. Fibrwrap UK used the special Tyfo SCH Fibre Anchors (Super anchors) to connect the columns on different floors and to do the shear strengthening of beams.

Project: Strengthening of columns and beams of Harp House, the Italian Consulate in London

Location: London, UK

Client: 3A Progetti / Italian Consulate London

Contract Duration: 9 weeks

Scope of Works:

- Structural Strengthening of beams and columns using Tyfo Advanced Strengthening Systems (Tyfo SCH- 11UP N, Tyfo SCH- 7 UP N with Tyfo S-Epoxy and Tyfo SCH Fibre Anchors (Super Anchors).



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