
Henrietta House, London, UK



Client: CB Richard Ellis

Management Contractor: 8 Build

Henrietta House is a prestigious office development in West London close to Oxford Street. With the new end user CB Richard Ellis moving into the previous home of Diagio Plc in mid 2011, a major refurbishment of the 10 storey building was carried out by Managing Contractor 8Build over a 23 week programme starting in August 2010. The refurbishment involved retaining the existing pumped sprinkler system protection at all levels with the exception of the Lower Ground level where a full removal of the sprinkler protection was carried out.

On behalf of the specialist fire engineering contractor, Incendia Consulting carried out a full compliance review of the existing building fire protection in accordance with the Loss Prevention Council design and installation codes incorporating the European sprinkler design standards EN 12845.

Incendia Consulting compiled a thorough technical report which set out the corrective actions and recommendations to resolve the deficiencies of the existing sprinkler system and the alterations required to ensure the system was in full compliance with the European and LPC Design and Installation Standards.

In addition to the compliance review for the building, Incendia Consulting on behalf of the specialist fire engineering contractor carried out the full design and engineering of the sprinkler protection to the Lower Ground floor level. The design and engineering of the sprinkler protection was carried out to RIBA stage K, and included technical support during the LPCB approval and installation stage of the protection.

Due to the complexity and variety of different materials used in the finishes of the Lower Ground Level, the challenge was to ensure that the sprinklers remained unobtrusive and coordinated into the architect's vision. This was achieved by the selection and location of specific concealed ceiling and sidewall sprinklers, and selection of the various cover plate finishes.