

Case Study

Project Name London House,
St John's Wood

Type of Work Balustrade Load Test

London House is an exclusive residential apartment complex in St. Johns Wood, London, overlooking Regents Park. Swantest were employed to carry out a series of load tests on the existing balustrade of the penthouse. The purpose of these tests is to determine if the balustrade can support the required load as per BS 6180:2011.

The building was constructed in the 1960's and since then some of the balustrade sections have shown deterioration. Our client requested a series of uniformly distributed load and point load tests for the balustrade to check it was still fit for purpose and posed no risk to the building occupants. This type of balustrade was constructed using a steel frame with glass infill panels and a wooden hand rail.

Using a series of hydraulic cylinders and digital displacement gauges we were able to test all required sections of the balustrade and produce a detailed report and analysis. The client was then able to use this information to determine if any remedial works were required to strengthen the balustrade and ensure it is safety for use for many years to come.

This type of balustrade testing can be used to test new or existing balustrades. We can alter the set up to test a wide range of installations.

