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Structural Feasibility: Lupin House, 11-13 Macklin Street, WC2B 5NH

We have reviewed the feasibility for extensions to the existing building at 11-13 Macklin Street.

Discussion follows in terms of the load assessment carried out to determine the increases to the existing assumed steel/iron columns and masonry piers which support the existing building and proposed extensions.

The increase in building loads due to an intensive green roof and/or blue roof system will impose a greater risk of column/pier strengthening to the existing building structure. This risk will be more pronounced at the highest level of retained structure and reduce with the contribution of existing loads.

A sedum type green roof (at ~45kg/m²) could be accommodated with a low strengthening risk.