

# Commercial Building Conversion Including Rooftop Extension

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## Queens Moat House, Romford

Size: 3245m<sup>2</sup> arranged over six storeys  
Value: £4.5m estimated  
Status: Completed  
Type: Commercial development

*The structural design reduced the budget by £125,000 and saved approximately 115 metric tons of embodied carbon emissions*

The project entailed the refurbishment of a five-story existing commercial building to 41 residential units. The proposed works comprised of building a new storey and the refurbishment and conversion of the existing building from commercial use to residential.

We provided a structural design for the additional storey, structural appraisal of the existing building, design of alterations to the existing structure and below ground drainage design.

The new extension on the top of the building is built from load bearing timber stud walls and the new flat roof consisting of timber joists spanning onto composite timber and steel beams.







