



Fig 9-19. South elevation

9.0 Sustainability Environmental

9. 26

Biodiversity

High quality landscape areas will be integrated into the building design, creating lively, animated spaces. The specification of ecological features is being developed in line with the recommendations of a specialist ecology team. Additionally, brown roofs will be specified to appropriate areas of the Proposed Development. These features will have the benefit of providing habitats for local wildlife.

9. 27

Resources

Water conservation will be promoted throughout the Proposed Development by specifying water efficient fittings, sanitary ware and landscaping. The major water consumption item is the blow down from the steam boiler system. It is therefore proposed to provide water treatment through reverse osmosis technology, which allows significant reductions in water consumption (equivalent to approximately 100 tonnes CO₂ per year).

9. 28

The strategy for specification and procurement of materials will recognise 'green procurement' objectives and include requirements to minimise environmental impact, reduce waste and use products from sustainably managed supply chains.

9. 29

Waste

Waste minimisation and recycling will be promoted. During the construction phase, the Proposed Development will aim to reduce the amount of waste generated and exported from the site. A Site Waste Management Plan has been developed to support the principles of the Waste and Resources Action Programme initiative and the requirements of the Considerate Constructor Scheme. During the operational phase, extensive recycling facilities (including dedicated space for compostable food waste) will be provided and building users will be educated on the waste strategy for the Proposed Development, including recycling targets.

9. 30

Transport

UKCMRI will promote sustainable means of transport. The Proposed Development is located in a prime location, highly accessible by public transport and this will therefore allow the building staff and visitors to commute by public transport. No car parking provision will be included in the Proposed Development, apart from provision for Blue Badge disabled users. The Proposed Development will also support cycling by providing cycle parking and associated showering and changing facilities. Additionally, a Travel Plan has been produced and transport information and material will be provided to the building users and visitors to promote sustainable travel and ensure they are aware of the travel choices available to them.



Fig 9-20. Massing model showing brown roofs