

Crystal Palace Revived

A new exhibition building in Sydenham, 2009/2010

The Crystal Palace was one of the largest buildings ever to have been built. It stood for 85 years before it was destroyed by fire in 1936.

Originally designed by Joseph Paxton for the Great Exhibition of 1851 in Hyde Park, the giant modular steel and glass structure was eventually relocated to Sydenham and transformed into a Winter Palace, reopening in 1854.

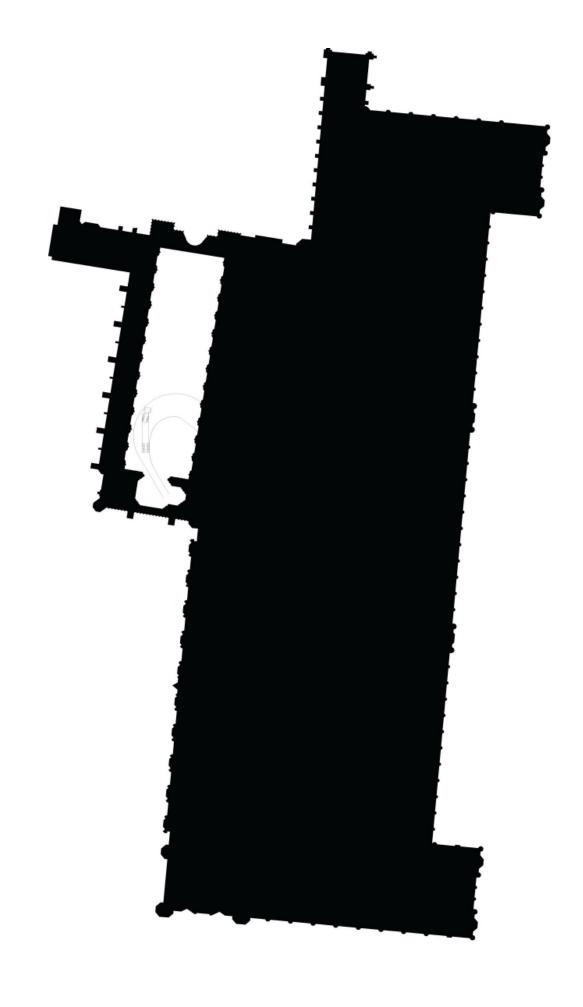
Today, the site in Sydenham is a blank rectangle on the A-Z Street Atlas, but hidden between blackberry canes one can still find remains of the former palace, such as column bases. Most of the original infrastructure is still in place, or could be repaired easily, which makes the site predestined to be re-used by a building of equal size.

The student's new proposals trace the original footprint of the Sydenham Palace. Transcribed into metric it measures $482.4 \times 115.2 \text{m}$, comprised of $67 \times 16 \text{ structural}$ modules each 7.2m in edge length (Paxton's design was based on $24 \times 24 \text{ft}$).

Used as an exhibition building, comparable to its predecessor in Hyde Park, the revived palace forms an equilateral triangle with London's other exhibition venues Earl's Court/Olympia and Excel.

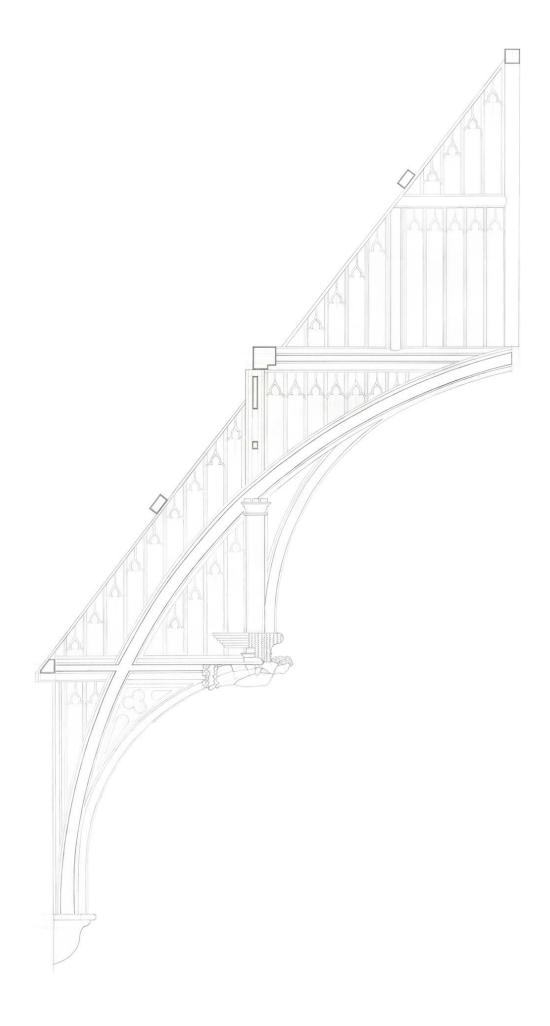
The remains of the original terrace walls and stairs are to be repaired and re-used as links to the park.

Peter Karl Becher & Matthew Barnett-Howland



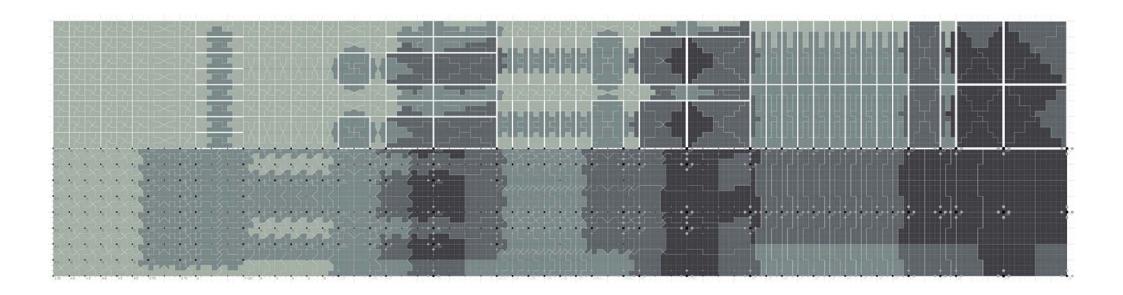
Jennifer Bull

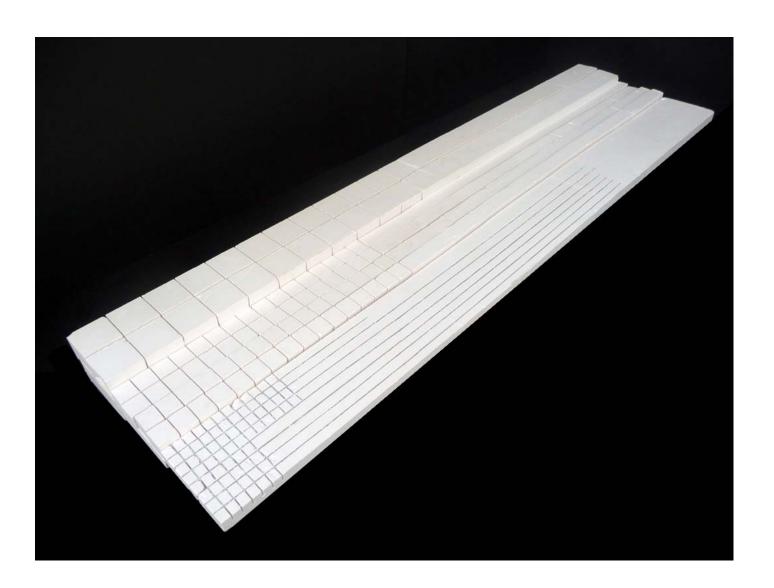
Measuring Westminster Hall with a 16.5m lorry

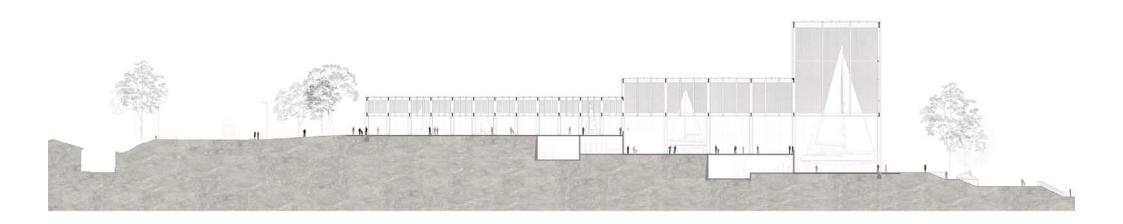


Jennifer Bull and Hadas Even-Tzur

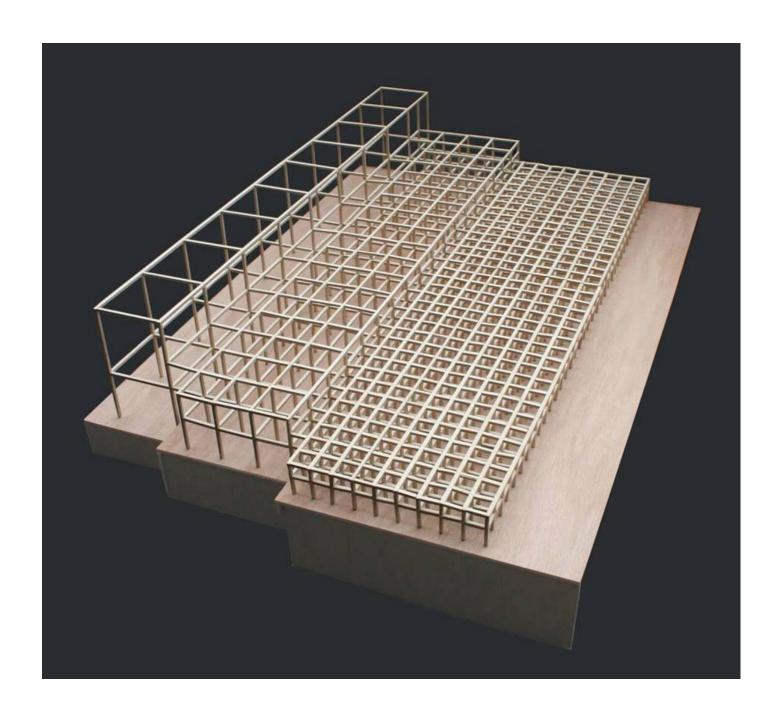
Study of hammerbeam construction at Westminster Hall

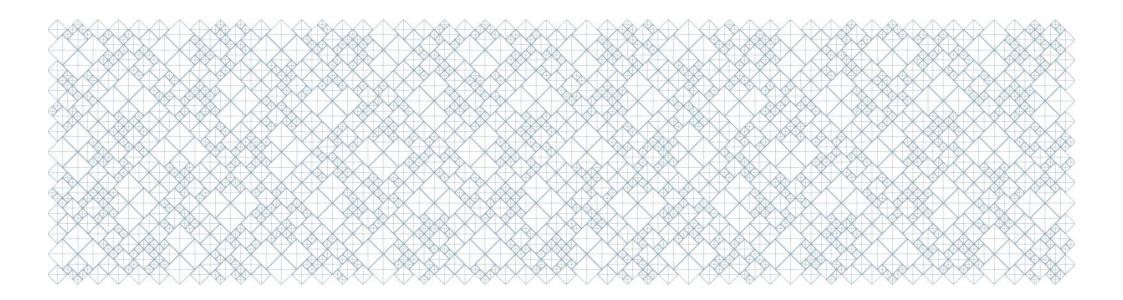


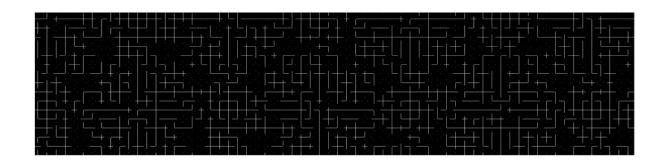


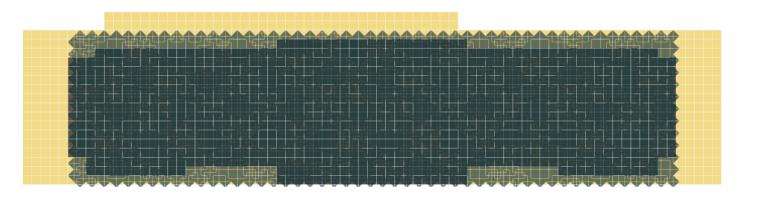




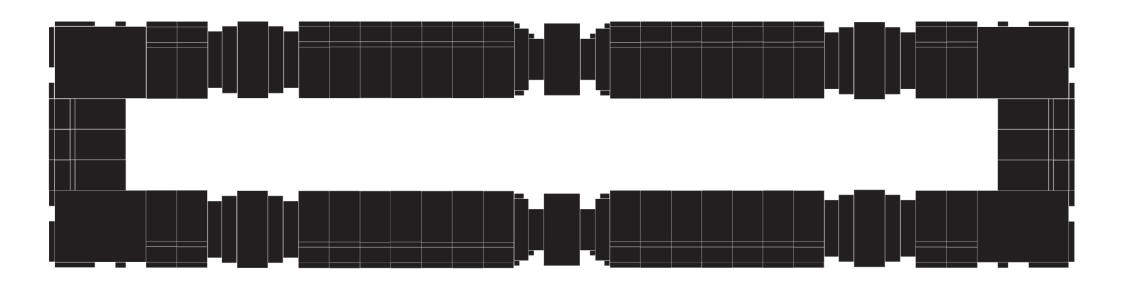


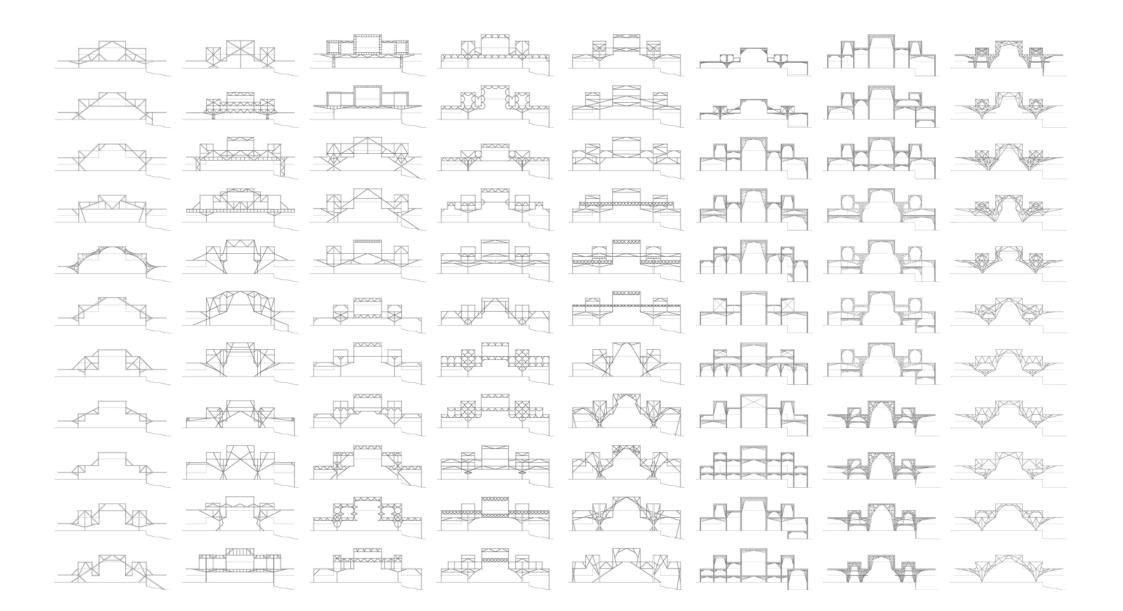


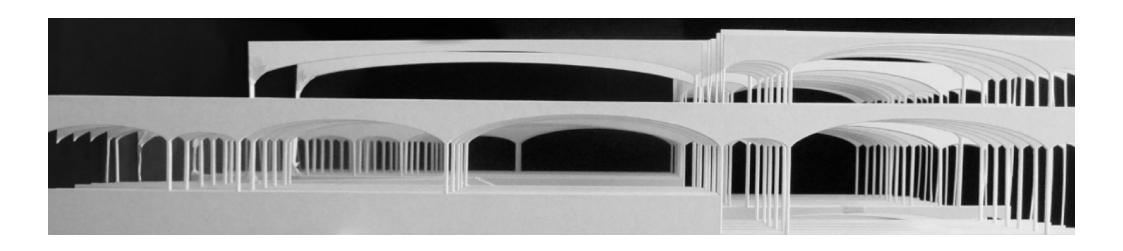


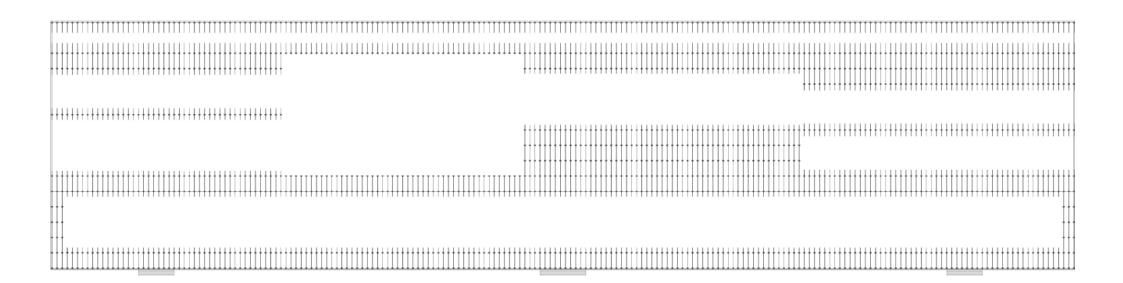






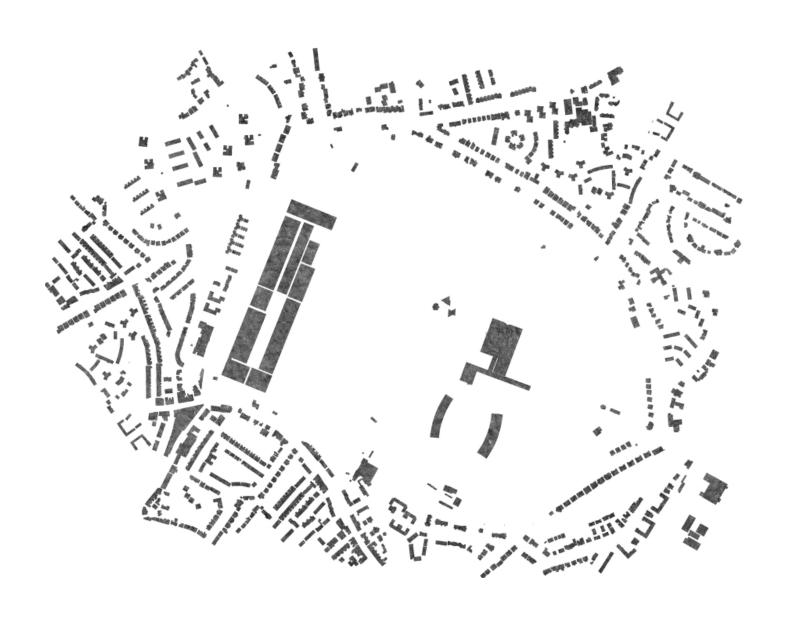


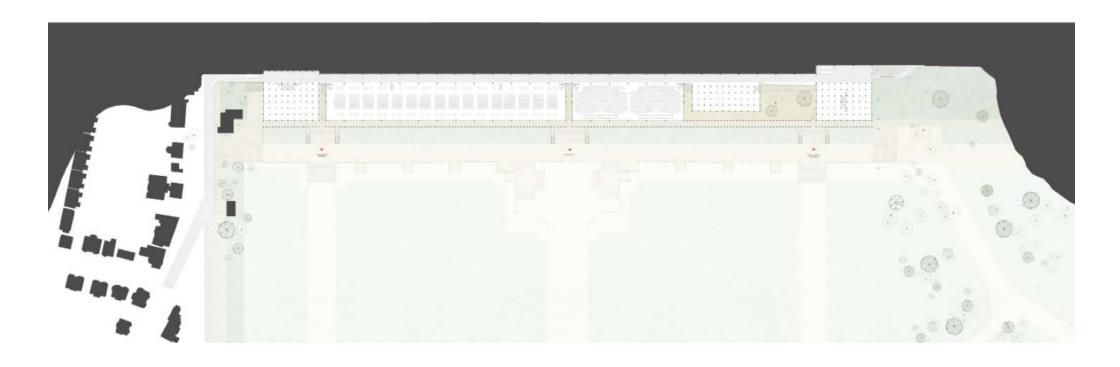




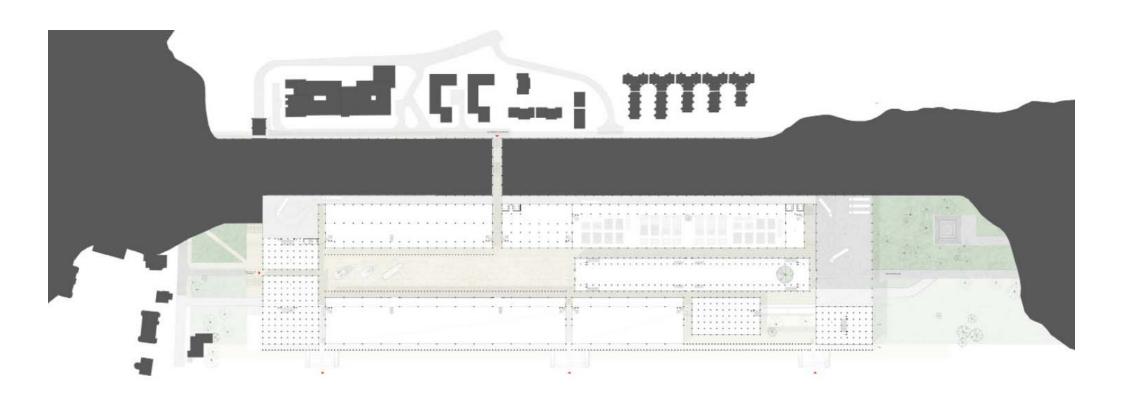


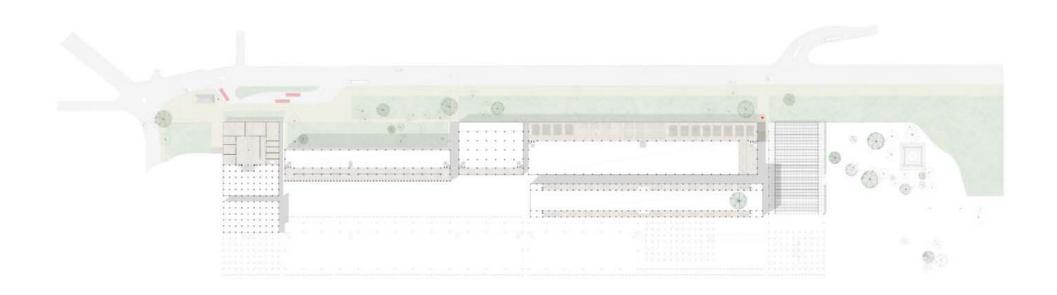


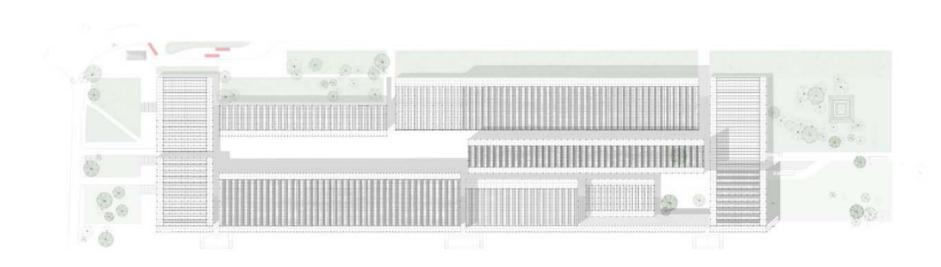


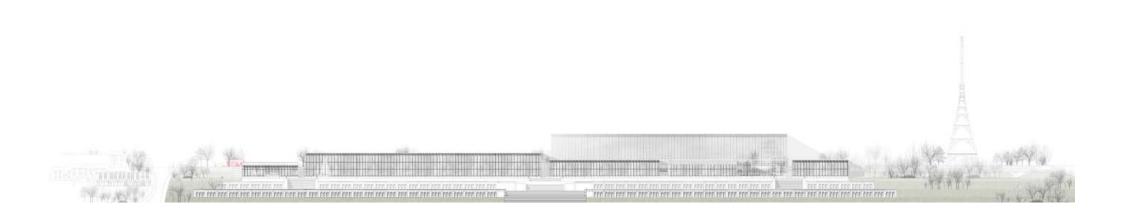


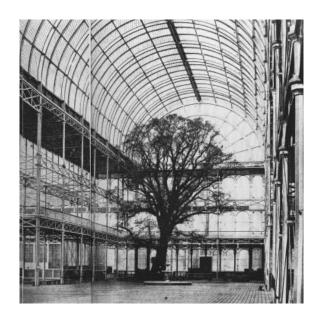
Robyn Jones



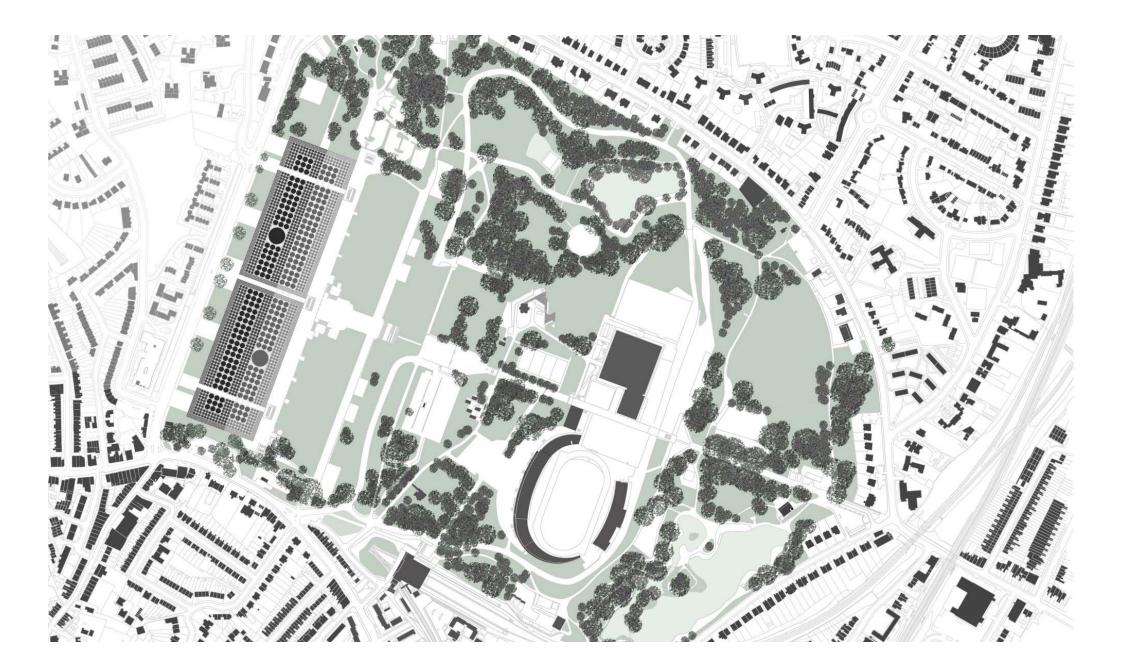




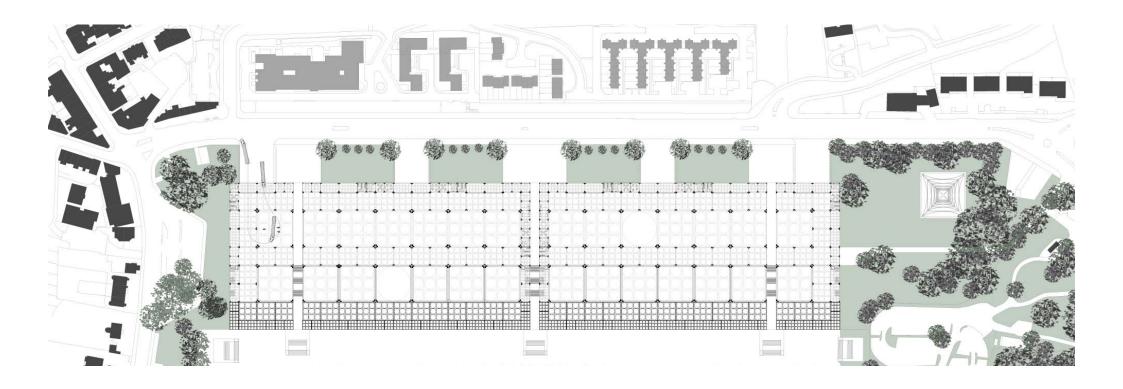


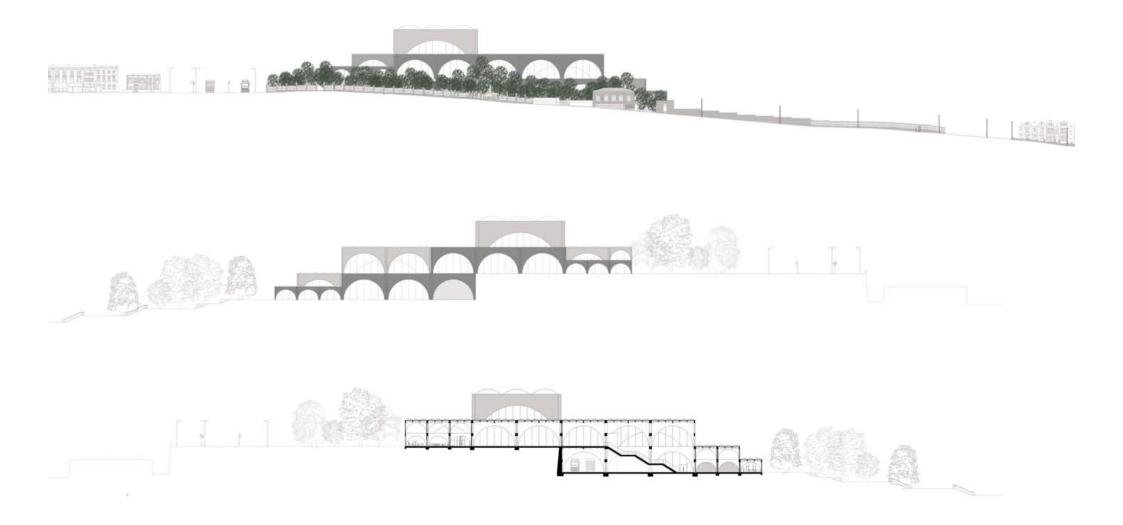


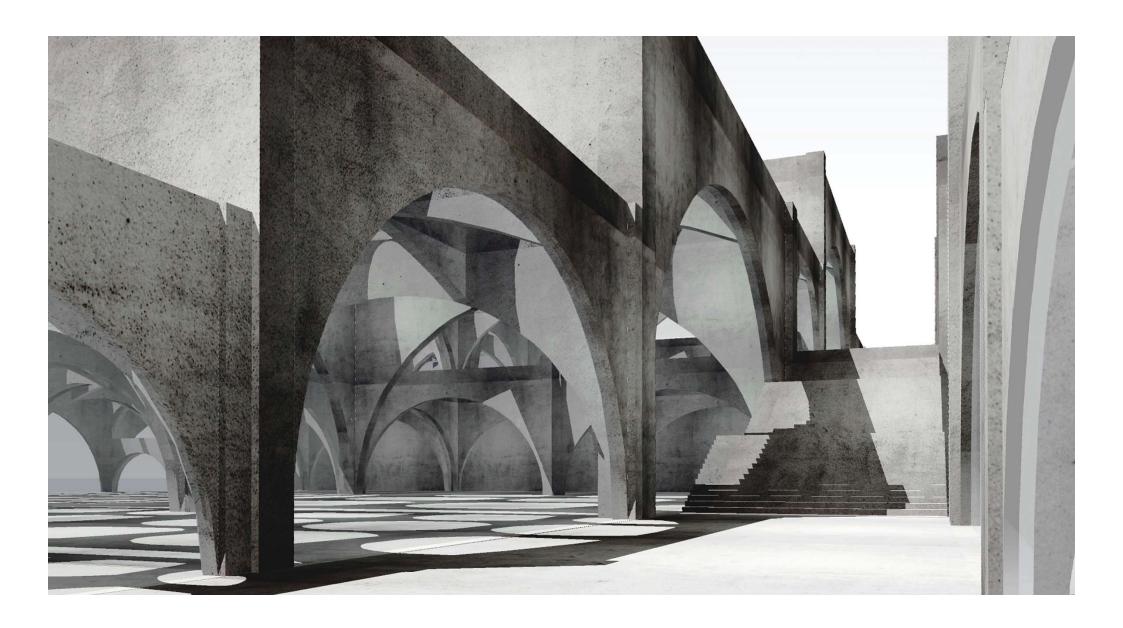




Matthew Mure







Matthew Mure

Exterior perspective, digital model



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