

BATTLE McCARTHY ©

Consulting Engineers & Landscape Architects



PROJECT:

World Trade Centre, Amsterdam

CLIENT:

World Trade Centre

ARCHITECTS:

Kohn Pedersen Fox Associates

BM SERVICES:

Building Services Design & Environmental Analysis

CONTRACT DATES:

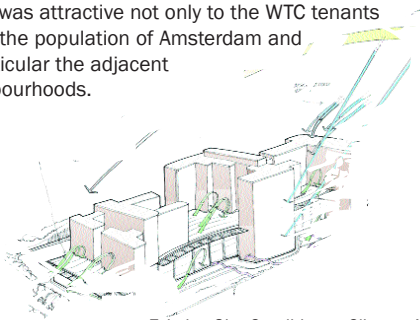
2000 - 2003

VALUE:

£30million

DESIGN BRIEF

The Client's brief called for the design of a WTC complex that met the highest standards of user quality and civic space, which was attractive not only to the WTC tenants but to the population of Amsterdam and in particular the adjacent neighbourhoods.



Existing Site Conditions - Climate Analysis

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DESIGN INITIATIVES/ACTIONS UNDERTAKEN

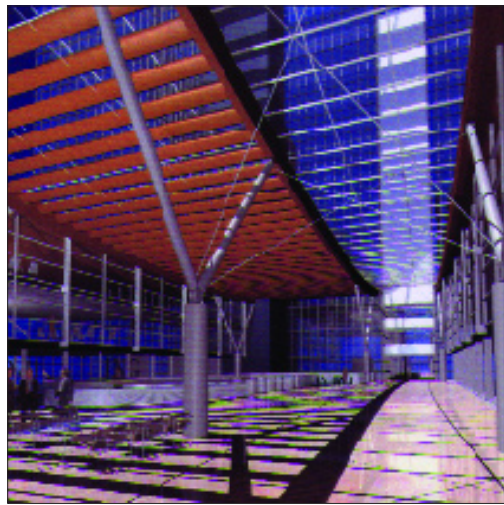
The World Trade Centre is situated in the Zuid Plaan south of the centre of Amsterdam and originally consisted of 6,000m² of offices and retail units. The new complex increased this area to 30,000m² of mixed-use accommodation and includes three new tower blocks and new podium structure with a state of the art undulating lightweight glazed roof to maximise natural ventilation and daylighting. Battle McCarthy provided building services design and environmental analysis, together with façade engineering to change the image of the complex from a 1960's concrete towers to its current form, which is described by the Client as:

'incorporating openness and transparency that meet the demands of present and future and provide the perfect environment for companies to fully concentrate on achieving goals and operating more flexibly thanks to the support of well-organised facilities'

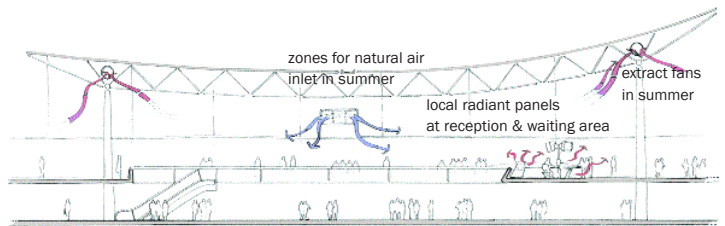
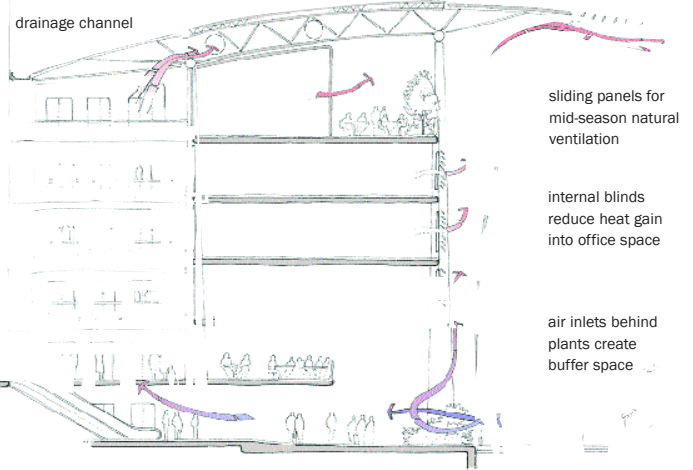
To meet this brief and to assist in obtaining planning approval, Battle McCarthy also had to provide a complete environmental assessment and report for submission to the Building Licensing Authorities in Amsterdam.

This incorporated:

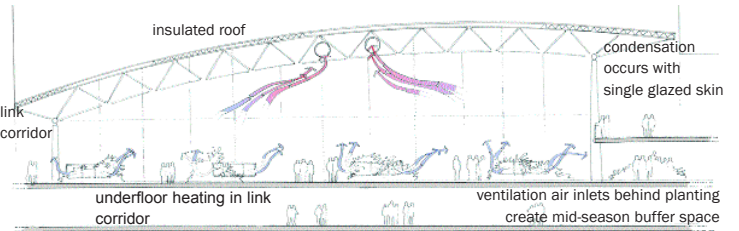
- Mobility (transport) and open spaces
- Water management strategy
- Energy calculations and management
- Materials management (during demolition, construction and final use)
- Environmental policy



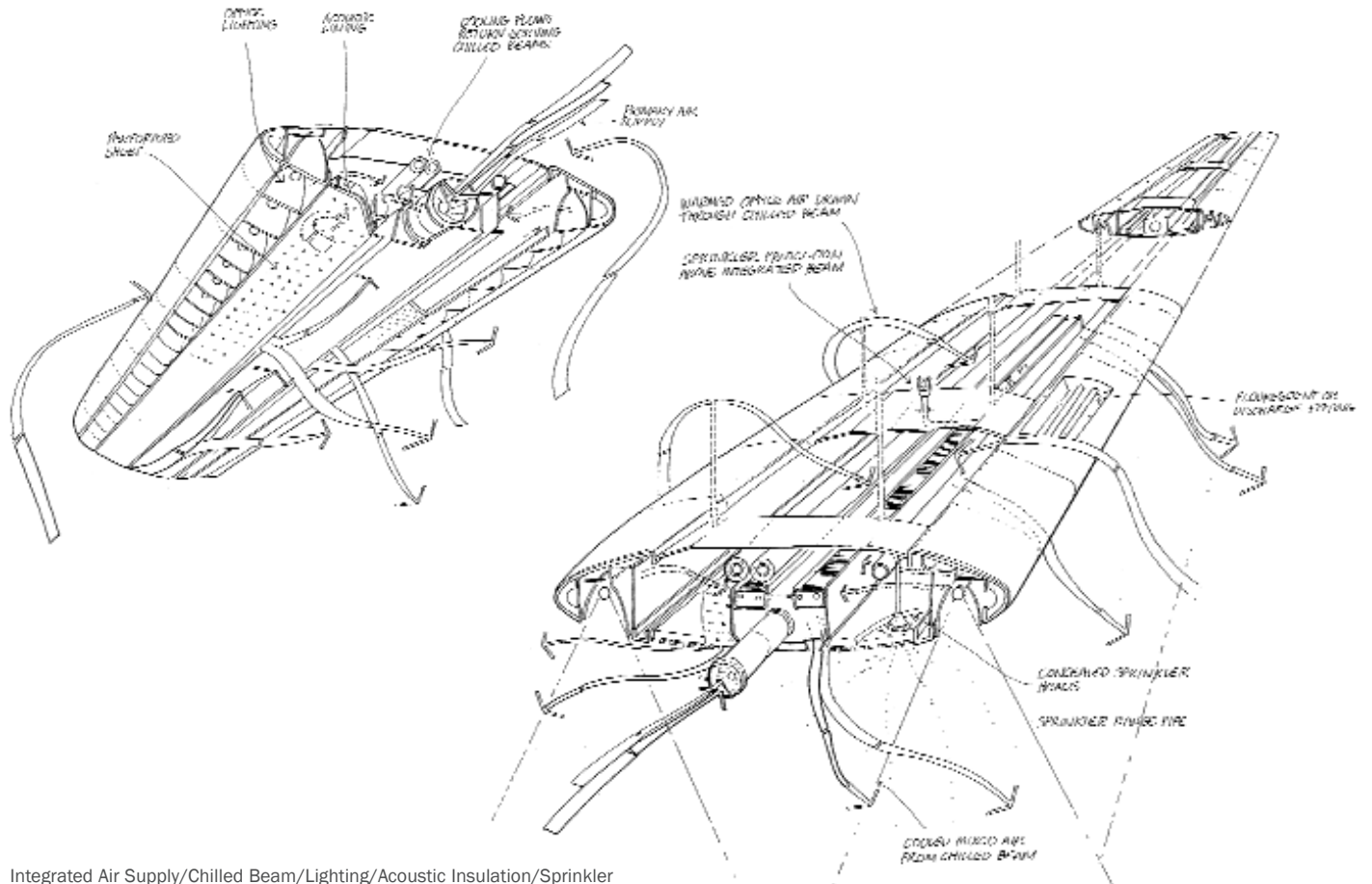
Form & Structure



Zone 2 - Conference Centre Foyer ventilation strategy



Zone 3 - Link Corridor ventilation strategy



Integrated Air Supply/Chilled Beam/Lighting/Acoustic Insulation/Sprinkler