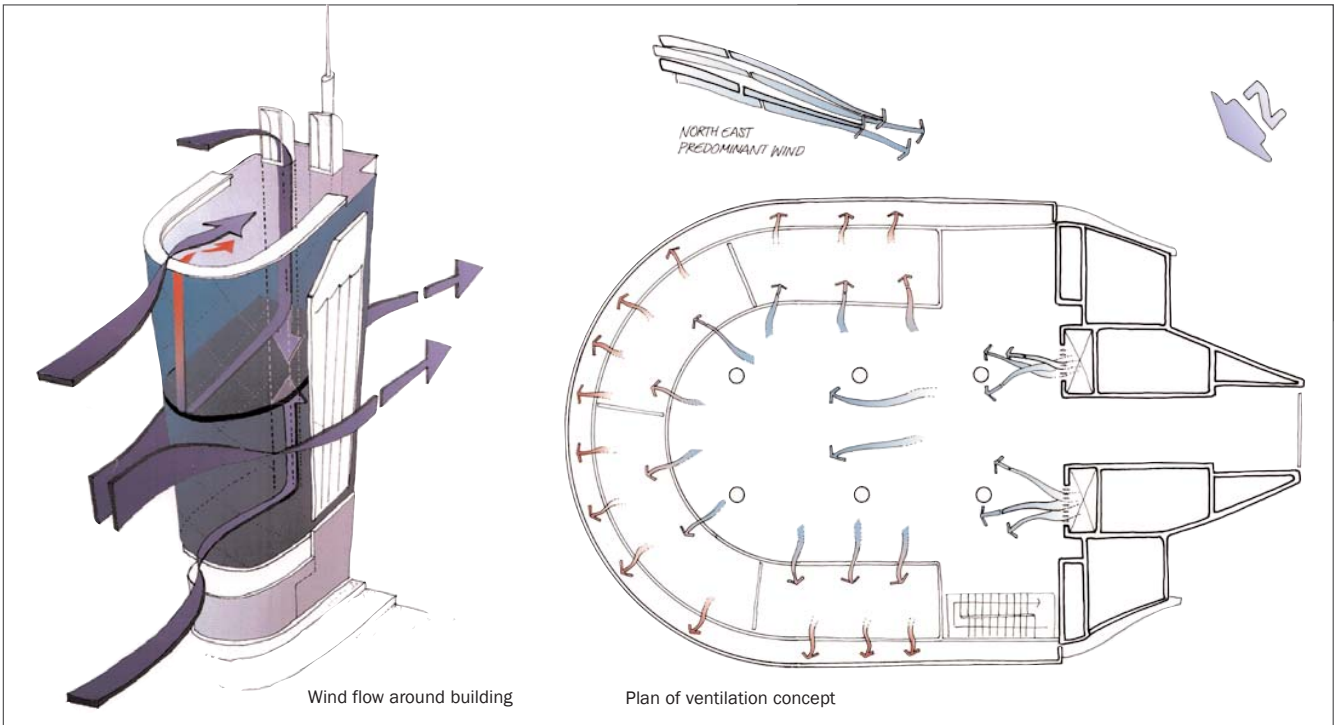


BATTLE McCARTHY®

Consulting Engineers & Landscape Architects



PROJECT:

Millenium Tower, Nairobi

CLIENT:

Lion of Kenya

ARCHITECTS:

n/a

BM SERVICES:

Building services and natural wind ventilation analysis

VALUE:

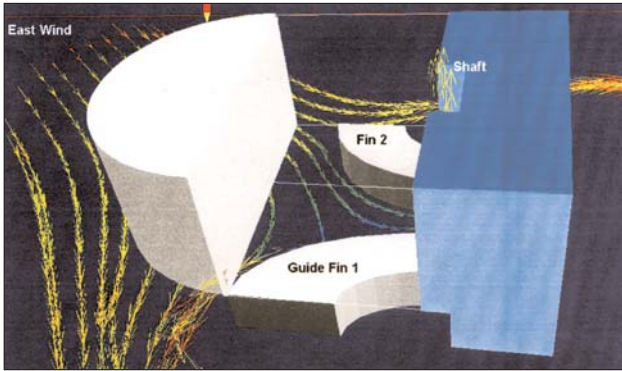
Classified

DESIGN BRIEF

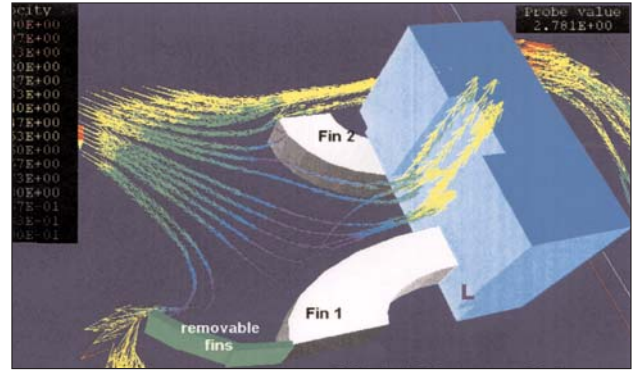
To undertake an extensive wind analysis study to inform the building design and ground level treatment.



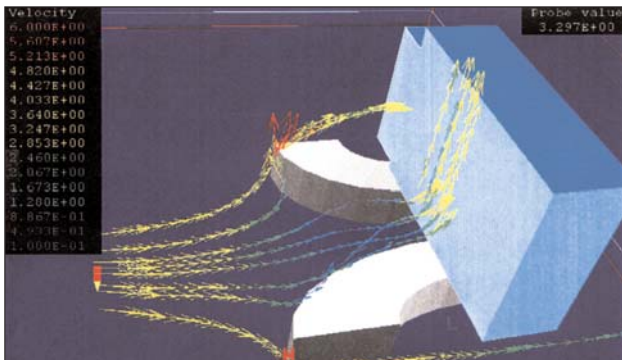
London UK Office
T: +44 (0)20 7440 8282
F: +44 (0)20 7440 8292
E: admin@battlemccarthy.com
www.battlemccarthy.com



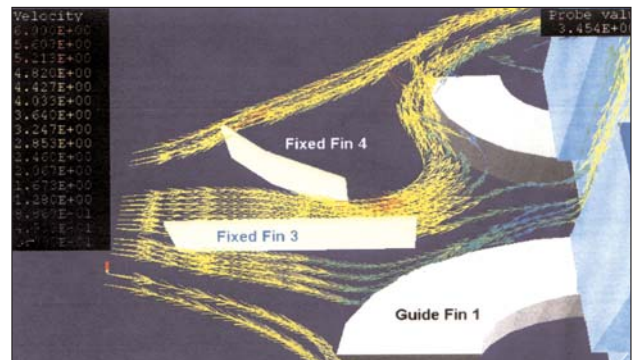
Base air flow CFD with options



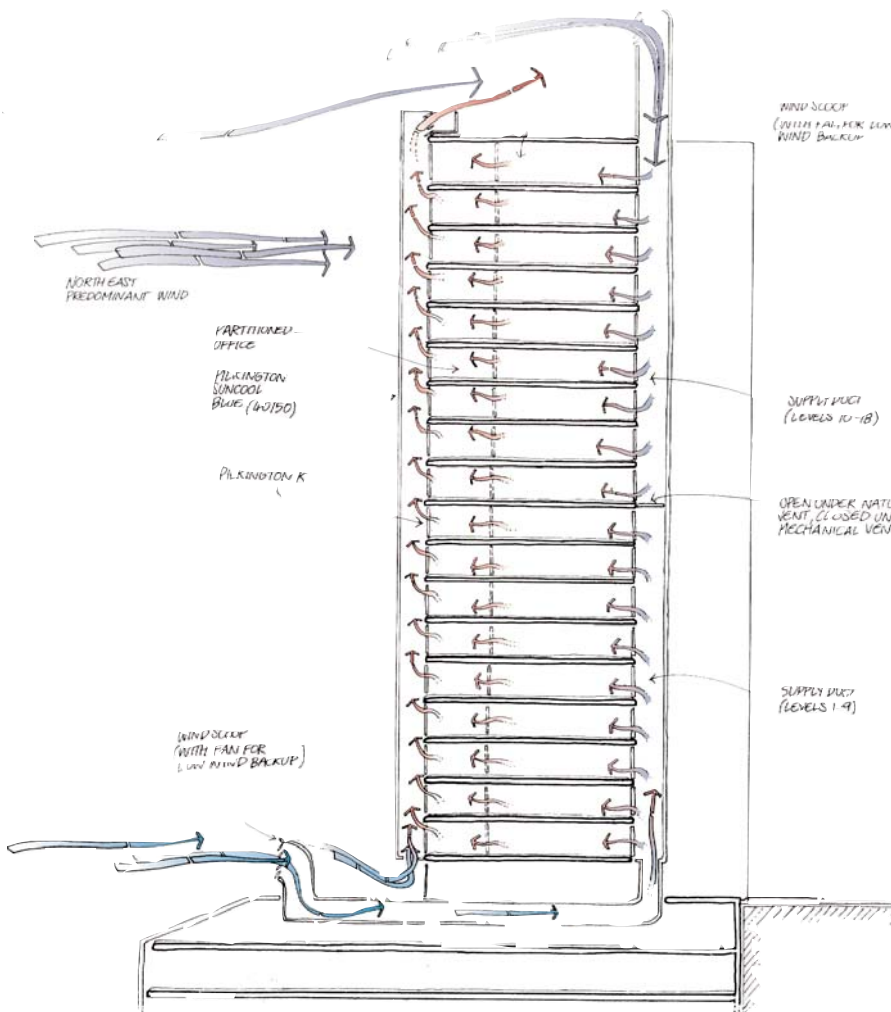
Option 2 - Removable shutters and guide fins



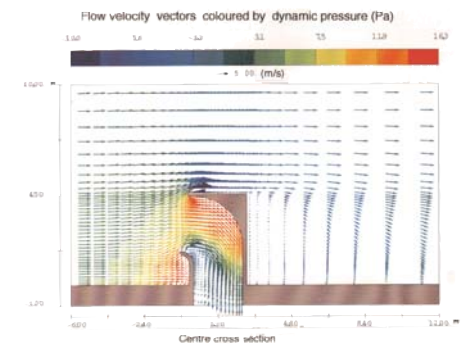
Option 1 - Two guide fins



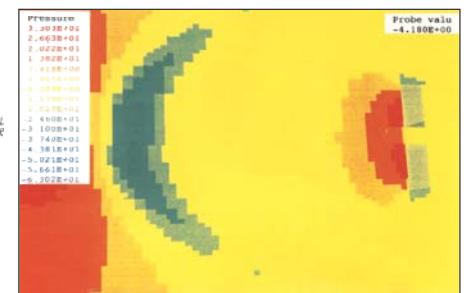
Option 2a - Two Guide Fins



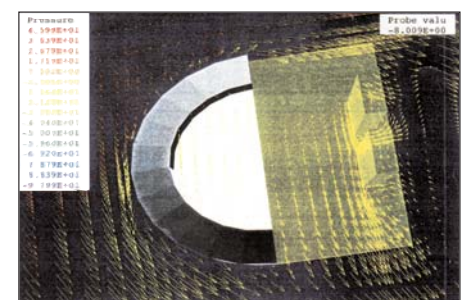
Wind scoops provide natural ventilation for the building



Flow velocity vectors



CFD of wind pressure over rooftop



CFD of East Wind over rooftop