



# High Rise Developments

## A European Perspective

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# Queen Victoria Street, London



# United Kingdom

- ◆ Responsibility
- ◆ Ownership
- ◆ Risk Assessment



Paternoster Square



London Wall

# St Paul's, London





# United Kingdom

- ◆ Building Control



Queen Victoria St London



London Wall

# United Kingdom

- ◆ Current Review
- ◆ Part A – Structure
- ◆ Part B – Fire Safety
- ◆ Part M – Accessibility  
Inclusive Design
- ◆ Research – Investigation –  
Application



# Structure

- ◆ Design Loadings
- ◆ Disproportionate collapse
- ◆ Eurocode
- ◆ Building types – materials and use



St Mary's London

# Europe

- ◆ Harmonisation
- ◆ Testing
- ◆ Regulation
- ◆ C E Making



Barcelona



Düsseldorf



# Düsseldorf



# United Kingdom

- ◆ Government
- ◆ Legislation
- ◆ Building Act
- ◆ Regulatory Reform Order
- ◆ Private Members Bill



London Wall



# London Wall



# United Kingdom

- ◆ Building Regulations
- ◆ **B**uilding **R**egulations **A**dvisory **C**ommittee
- ◆ Guidance – Approved Documents
- ◆ Codes of Practise
- ◆ Enforcement



OFFICE OF THE  
DEPUTY PRIME MINISTER



160 Queen Victoria St



# St Mary's, London



# Fire Safety

- ◆ Passive v's active measures
- ◆ Fire Resistance
- ◆ Integrity
- ◆ Sustainability
- ◆ Certification



St Paul's Cathedral

# Fire Safety

- ◆ Surfaces
- ◆ Fire Spread
- ◆ Propagation
- ◆ Toxic Fumes
- ◆ Burning droplets



Tower Place



St Mary's London

# Access – Inclusive Design

- ◆ Ingress
- ◆ Operational
- ◆ Egress





# Fire Fighting

- ◆ Access
- ◆ Fire Fighting
- ◆ Alarms
- ◆ Sprinklers
- ◆ Lifts
- ◆ Regulatory Reform



# Summary

- ◆ Range
- ◆ Locations
- ◆ Regulatory Review
- ◆ Future



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