One Park Drive, Wood Wharf

London's changing skyline: the future of tall buildings

NLA

28 March 2019
Wood Wharf proposes a new residential-led mixed-use waterside development comprising 30+ new buildings including several towers alongside community, office and retail, and will deliver over 3,300 new homes in Tower Hamlets.
Ship impact
Area1/Area2 = 0.82%
Deflection 180mm
Buildability
Stability

14 x 14

10 x 17
Flat layout: Loft

Loft Level - Type A

Loft Level - Type B

Loft Level - Type C
Loft replication principles

- Loft type C
- Loft type B
- Loft type A

Continuous arrow indicates facade base element that replicates itself.

Dashed arrow indicates replication of facade sections as a mirrored and/or rotated element.
Cluster replication principles

Cluster type B

Cluster type A

Continuous arrow indicates facade base element that replicates itself
Dashed arrow indicates replication of facade sections as a mirrored and/or rotated element
Flat layout: Bay Window

Bay Window - Type A

Bay Window - Type B

Bay Window - Type C
Bay Window replication principles

Bay type C

Bay type B

Bay type A

Continuous arrow indicates facade base element that replicates itself.

Dashed arrow indicates replication of facade sections as a mirrored and/or rotated element.
Panelisation studies
Slabs
Cluster slab: Mixed solution

Construction details
Axial Shortening
Axial Shortening
Axial Shortening

Differential Axial Shortening Between Column and Core
30 years after completion
Spring Support

Axial Shortening for Columns and Core
30 years after completion
Spring Support

Graphs and 3D models illustrating axial shortening in columns and cores with and without spring support.