



case study

Old War Office, Westminster Whitehall, London SW1A 2EU, United Kingdom

Featured Products: **Twin Wall, Solid Wall, Columns, Stair and Landing and Stair and Lift Cores**



This project consisted of a new hotel and apartments on the site of the Ministry of Defence Old War Office in Westminster. For this project we provided vertical structural elements above ground, including columns for No. 7 levels, walls and stairs for No. 6 Cores.

Key design and organisational aspects included:

- 1.Coordination procedures to draw and produce a significant number of different column types.
- 2.Evaluation of structural and fire models for vertical and raking columns.
- 3.Transport and lifting procedures engaging with extremely limited access and storage area.

In addition to fulfilling the critical requirement for offsite construction, we adopted a just-in-time delivery system. This system ensured our deliveries coincided seamlessly with the main contractors site programme. In total 435 precast columns, 51 precast flights and 4000m2 of precast twin wall were delivered to site over an 9 month period.



Precast:

- 1.Twin Wall
- 2.Solid Wall
- 3.Columns
- 4.Stairs and Landing
- 5.Stair and Lift Cores

Main Contractor:

Toureen Group

Architect:

EPR Architects

Engineer:

Elliotwood

Client:

Hinduja Group/OHL Developments

Precast Value:

0.8M

Onsite Duration:

9 Months

