

Bill Boley Project Profile

Total Solutions in Controlled Hydraulic Movement and Jacking

Project Designation/ Location

Lowering of underground car park floors to make way for retail expansion at Jubilee Place, Canary Wharf, London.

Client

Kilnbridge Group 

End Customer

Canary Wharf Group plc 

Project Challenge

To carefully lower large sections of concrete flooring slabs weighing over 60 tonnes within a confined space (headroom only 2.1 metres). Each of the 60 slabs measured approximately 6 metres by 8 metres.

Bill Boley Solution

8 off 60 tonne capacity **Double Acting Rod Jacks** (working in pairs at each corner) were used to carefully lower the slabs. The jacks were cantilevered out on special steel brackets.

This was a particularly difficult project and precise control of the jacks was essential in order to keep the slabs level during their descent. The restricted headroom in the car park limited the sizing of the jacks and each slab took a day to lower.

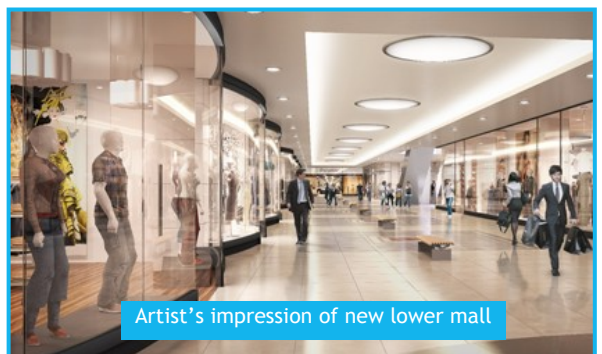
Background Information

Jubilee Place is a vibrant shopping centre at Canary Wharf. Canary Wharf Contractors are converting part of the basement car park into additional shopping space.

The project will deliver approximately 43,000 square feet of additional retail space and will create approximately 26 new units, with the majority of units located directly below the existing mall, which opened in 2003.

Light wells will be formed through the existing mall floor to allow natural daylight to reach the new lower level mall.

Environmental considerations have been an important part of the project and therefore it was decided to lower the car park flooring and leave it in situ rather than break it up and dispose of it.



Artist's impression of new lower mall