WELCOME

Newfoundland is a 60-storey residential building which will be situated on the western side of the Canary Wharf estate and bound by Westferry Road to the west, Middle Dock to the east and Bank Street to the south. The slim diamond shape of the tower is determined by the narrow footprint of the site. The building is supported and braced by the external dia-grid structure on the façade along with numerous deep reinforced concrete piles penetrating into the chalk below.

CONSTRUCTION UPDATE

Since the turn of the year, the concrete core has begun to climb, using a hydraulic jump-form system, at a regular rate of one floor per week. The core contains the lift shafts, stairwell and service risers.

January saw the installation of the steel diagrid grillages. These weigh up to 50 tonnes each, the equivalent of four double decker buses. These grillages transfer the loads imposed by the structure down through the 60 metre deep bearing piles. Once the grillages had been installed, the lattice steelwork installation could begin. This steelwork initially ties to the concrete core at level three (16 metres) and then every four floors (13.5 metres). Where the diagonal frame crosses over at the ‘nodes’, pre-cast concrete planks are installed to create the floors. Post-tensioned concrete slabs are used on the three levels in between these.

Below ground, work continues on the building’s two storey basement. This includes concrete finishing works and preparation for the buildings services.

A floating water road has been installed on Middle Dock, providing a valuable vehicle route and storage area, ensuring all site materials and movements are kept within the constraints of our site. This water road will be removed from the dock once construction nears completion.
THE NEXT PHASE

The concrete core will continue to rise, jumping regularly until level 60. The steel diagrid will follow closely behind with the installation of the concrete floors. The tower cranes will then begin to tie into the concrete core to allow them to climb with the tower.

In the summer, five temporary hoists will be installed at the north end of the building. These will move personnel and materials up and down the building. This access will allow the cladding to start. The permanent passenger lifts in the Tower will begin installation around the same time and the blockwork will start in the basements.

Construction will also start on the Annex building. This two storey building will house some of the services that feed the main tower.

NEWFOUNDLAND FACT

Each of the towers’ eight steel grillages weighs between 30 and 50 tonnes.

= The equivalent of four double-decker buses
CONSTRUCTION CAREERS
Newfoundland was pleased to participate in Open Doors in March, delivered by Build UK in partnership with the Construction Industry Training Board (CITB) the events aimed to attract people into a career in construction. Once on site, visitors found out exactly what it takes to create buildings of the future and had the opportunity to talk about career paths with members of the team. We were pleased to welcome over 30 people on the free visits and hope we have inspired some to join the industry.

INTERNATIONAL WOMEN’S DAY
Members of the team helped run a workshop for around 60 students from Sir John Cass, George Green and Swanlea School along with Tower Hamlets College introducing them to careers in construction but also seeking feedback on how we could better engage with female students on the matter.

COMMUNITY MILLWALL ARCHES
The viaduct arches in Millwall Park on the Isle of Dogs are being transformed into a community and events space. Members of the project team are assisting with planning and construction advice.

COMMUNITY GARDEN, POPLAR
The project team provided large timber planters with soil, for the community garden at Leyland House in Poplar.

PROJECT CONTACT DETAILS
To receive future updates and newsletters, please email: consultation@canarywharf.com

If you would like to speak to a member of the team please contact Anthony Carbon, Community Liaison Officer on: 020 7418 2495 or email anthony.carbon@cwcontractors.com