



FNB PALACE PARKADE
Johannesburg, South Africa



Project Facts

Product

Anchors/Geonails, Micropiles, Gunitite walls

Market

Commercial

Client

Eris Property Group (Pty) Ltd.

Main Contractor

Franki Africa

Achievements

- Extremely complex lateral support project from a design and constructability point of view, successfully completed.
- No damages caused to existing services (very complex network of services in a depth and horizontal displacement making it very difficult to install anchors).
- High quality finish on gunitite walls meeting difficult architectural requirements.

• **About the project**

Multi-story parkade being constructed to provide additional parking space for Old Mutual and FNB staff in the centre of the Johannesburg CBD.

• **Challenges**

Ensuring that no services were damaged during the installation of anchors.

Preserving the structural integrity of the 11-story Barbican building on the boundary of the south eastern corner of the project.

Having to deal with varying site ground conditions requiring constant design changes and adjustments.

• **The solution**

Extensive services investigations held prior to commencing physical works but even then, there were ‘unknown’ services encountered.

Meticulous design and installation techniques of all the lateral support around the Barbican building.

Installed 136 No. perimeter micropiles, 243 No. R38N anchors ranging from 9 to 18 meters, 399 No. Soil nails and 2 900m² of 150mm thick gunitite.

Co-ordination and communication between designers / suppliers / site teams / Client professional team maintained and was of utmost importance.