



POST TENSIONING &
STRUCTURAL SOLUTIONS



DATA SHEET

Contract Number:
B25-005

One Rosebank Phase 2 Building

PROJECT OVERVIEW

- **Client:** Tricolt Group
- **Main Contractor:** Barrow Construction
- **Project Engineers:** Kantey & Templer
- **Specialist Subcontractor:** Post Tensioning & Structural Solutions (PTS-S)

Developed by Tricolt, one of South Africa's leading luxury apartment developers, One Rosebank offers quality design, long-term property value and a premium residential lifestyle. Ideally located in the heart of Rosebank, the development provides convenient access to Rosebank Mall, The Zone and the Gautrain.

The building comprises a reinforced concrete structure with two basement parking levels designed as reinforced concrete post-tensioned flat slabs. The podium and five upper levels are designed as conventional reinforced concrete slabs.



PTS-S SCOPE

PTS-S was appointed by the main contractor, Barrow Construction, to design, supply and install an unbonded mono-strand post-tensioning system for the two basement parking levels. Post-tensioning optimizes the structural efficiency of the reinforced concrete structure by enabling an improved span-to-depth ratio, allowing for thinner slabs, longer spans and reduced material usage compared to conventional reinforced concrete construction.

PROJECT TIMELINE

- Construction Start: September 2025
- Completion: January 2026