

Case Study Summary: 4-Bedroom Maisonette Development in Kiambu

Project Overview

This project involved the **construction of a modern 4-bedroom maisonette** in Kiambu County designed to provide a spacious and comfortable home suitable for a growing family. The development focused on **modern architectural design, structural stability, and high-quality finishing**, ensuring durability and aesthetic appeal.

Project Location

- **Location:** Kiambu County, Kenya
 - **Setting:** A rapidly developing residential area with growing demand for modern family homes
 - **Accessibility:** Good road connectivity to Nairobi via major roads such as Kiambu Road and the Northern Bypass
 - **Infrastructure:** Availability of electricity, water supply, and social amenities such as schools and shopping centers.
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Project Scope

The scope of the project included the construction of a **two-storey residential maisonette** comprising:

- 4 bedrooms including a **master ensuite bedroom**
- Spacious **living room and dining area**
- **Modern kitchen** with pantry
- **Family room** on the upper floor
- **Shared bathrooms and sanitary facilities**
- **Balcony and staircase area**

The works covered:

- Site preparation and setting out
- Foundation and reinforced concrete structural works
- Masonry wall construction
- Roofing structure and installation
- Internal and external plastering
- Plumbing and electrical installations
- Floor finishes and painting works

- Installation of doors and windows
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Design Considerations

The maisonette was designed with attention to:

- **Functional space planning** to maximize comfort and privacy
 - **Natural lighting and ventilation** through strategic window placement
 - **Structural integrity** using reinforced concrete elements
 - **Modern aesthetics** suitable for contemporary residential developments
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Construction Approach

The project was implemented in phases to ensure efficiency and quality control:

1. **Site preparation and foundation works**
 2. **Structural frame and masonry construction**
 3. **Roofing and external works**
 4. **Internal finishes and installations**
 5. **Final finishing works including painting and fittings**
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Project Outcome

The project successfully delivered a **modern and spacious 4-bedroom maisonette** that meets current residential housing standards. The development enhanced the property's value while providing a **comfortable and durable family home**.

Conclusion

The 4-bedroom maisonette project in Kiambu demonstrates effective **planning, design, and construction management** in residential development. The project highlights the ability to deliver **high-quality housing solutions that meet modern family needs while maintaining structural safety and aesthetic appeal**.