



Brian Vukindu

Structural Engineer

Qualifications

BSc Civil and Construction Engineering (First Class Honours)

Professional Engineer, Engineers Board of Kenya (EBK)

Corporate Member, Institute of Engineers of Kenya (IEK)

Specialisation

Structural engineering

Years in industry

7

Brian is a structural engineer in Nairobi with more than seven years of working experience in Kenya and Rwanda. He has been involved in the analysis, design and project coordination of diverse structures, ranging from residential and retail buildings to large commercial and industrial structures. His responsibilities have included the design and supervision on of civil and structural designs in the built environment.

Brian obtained a Bachelor of Science in Civil and Construction Engineering (First Class) from the University of Nairobi, Kenya, in 2012 and is currently pursuing a Master of Science in Engineering (Structures) at the University of Cape Town (UCT) in South Africa. He is a registered professional engineer with the Engineers Board of Kenya (EBK) and is a corporate member of the Institute of Engineers of Kenya (IEK).

Experience

Scania service centre, Nairobi County, Kenya, Scania Real Estate Kenya Limited, 06/2019 - 11/2020, Structural Engineer

The project involved setting up offices and a service centre for Scania in Nairobi. This is a pilot project that forms part of the global panel appointment to roll out and implement service centres in various locations around the world. Aurecon was appointed for the civil, structural, mechanical, electrical, wet and fire engineering services and project management. Responsible for design and project management.

Civil and structural remedial works for a new brewery in Kisumu, Kisumu County, Kenya, Diageo Great Britain, 08/2017 - 09/2019, Site Engineer

The project involved the construction of a new brewery in Kisumu to produce Senator Keg, which is a Kenyan beer made from locally sourced sorghum, to meet the growing demand. The new brewery also has a socio-economic impact, in that it has created more than 100 000 direct and indirect jobs. Aurecon was engaged to provide civil and structural remedial works, including the bill of quantities (BoQ). Responsible for the external concrete works, brewhouse, filter plant area, yeast plant area, utilities area, new keg plant, structural steel pipe bridge and pipe racks, roof renovations, and external underground drainage and ducts for all areas.

Civil and structural engineering for White Rose Dry Cleaners, Nairobi County, Kenya, White Rose Dry Cleaners Limited, 05/2019 - 08/2019, Project Leader/Structural Engineer

Aurecon was appointed as the civil and structural engineers for the development of a dry cleaner on plot No. 4580/9. The proposed development is located at the corner of Riverside and Riverside Gardens on a plot of approximately half an acre. The aim is to develop a vertically integrated mixed-use development comprising approximately 3 000 m² of retail gross lettable area (GLA) and 7 000



m² of office GLA, as well as parking. Responsible for preliminary the design and provision of structural quantities for costing.

Engineering services for the Gitanga Road commercial offices, Nairobi County, Kenya, Acorn Limited, 10/2013 - 01/2017, Structural Engineer

The project involved engineering services for a three-storey commercial office facility at Gitanga Road, that included offices, a canteen and parking facilities. Responsible for the preliminary and detailed designs, preparing tender documents, and construction supervision.

Various factory projects for Unilever, Nairobi County, Kenya, Unilever Kenya, 2013 - 2017, Structural Engineer

These projects involved the design and supervision of the boiler house, control room and fuel storage yard structural steel structures; the design and supervision of the steel extension at the Royco plant and NSD steel platform; and the design and supervision of the NSD stores elevator shaft, the NSD soapery elevator shaft and the NSD goods elevator shaft. Responsible for the preliminary and detailed designs, preparing tender documents, construction supervision, contract administration and project management of buildings and structures.

Master plan for the relocation of services at Nairobi Hospital, Nairobi County, Kenya, Nairobi Hospital, 2013 - 2017, Structural Engineer

The project involved the design and supervision of the swimming pool between parking levels 1 and 2 at Nairobi Hospital, 9.15 m above the ground. Responsible for the preliminary and detailed designs, preparing tender documents, and construction supervision.

Central Bank of Kenya (CBK) Annexe project, Nairobi County, Kenya, Central Bank of Kenya (CBK), 2013 - 2017, Structural Engineer

The project involved a 16-storey structure for the Central Bank of Kenya (CBK) consisting of a modern car parking silo, a currency operations centre and currency museum, and auxiliary facilities such as offices, training rooms and a data centre. Responsible for the preliminary and detailed designs, preparing tender documents, and construction supervision.

Alterations and additions to Caledonia House, Nairobi County, Kenya, Integer Limited, 2013 - 2017, Structural Engineer

This project included a residence, boutique hotel and villas. The development comprises several facilities, including a basement level to provide parking, water storage tanks, and staff utility areas as well as common areas on the ground floor, bedrooms and common areas on the first floor, and a roof level with a swimming pool and that accommodates a helipad. Responsible for the preliminary and detailed designs, preparing tender documents, and construction supervision.