



Client: Wits University (Johannesburg)

Value: R 35 million

Services: Structural and Civil Design Professional Services

Project Duration: November 2019

# Wits Health Science Teaching Centre, Johannesburg

Structural and Civil Design Professional Services

## The Task

Nurizon was tasked to design the structural and civil elements of the new teaching centre for Wits Health Sciences, located in Parktown Johannesburg, South Africa. The Wits Health Sciences department was required to increase the capacity of their teaching centre by adding a lecture hall that will be able to accommodate an additional intake of ±800 students. The teaching centre is to be built on top of an existing roof slab of the health sciences building.

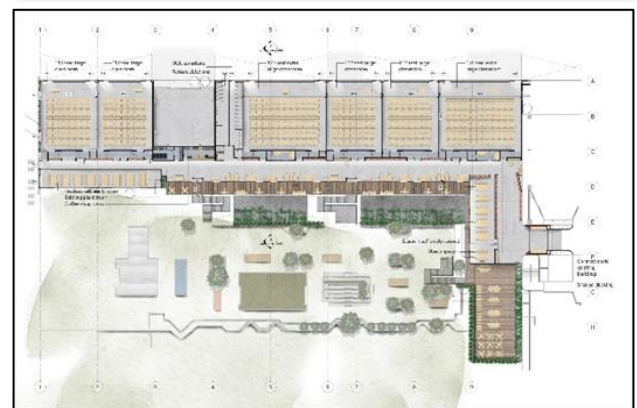
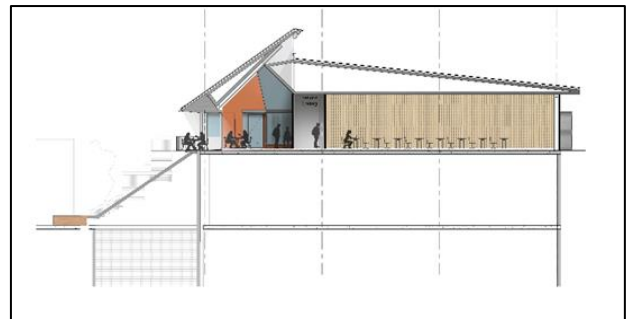
## Design Services

The Design concept requires the new structure to fit into the existing building. To reduce the loading of the structure a lightweight steel structure with minimal concrete works was selected.

As part of the detail design, a portal frame steel structure with a suspended moulded fibreglass floor decking supported by cellular structural beams was designed.

## The Result

The challenging project, in terms of available capex funding budget, constructability issues including working in a live environment with constant movement, tight deadlines and extreme health and safety regulations due to the COVID-19 epidemic, was successfully completed proving Nurizon's capability under these conditions.



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