



PRODESIGN
SUSTAINABILITY & MEP ENGINEERS

Building Design Factsheet

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Issue 4

How to obtain a Fire Certificate and ensure your building is fire safe

Section 6 of The Mauritius Fire and Rescue Service (Fire Safety and Fire Certificate) Regulations 2018 – GN No.134 of 2018 states that the owner of any premise should have an up-to-date Fire Certificate which certifies that all the fire safety requirements have been met.

For any construction project, prior to applying for a fire certificate, at the planning and design stage it is essential to develop fire systems and establish fire safety measures that abide by fire regulations while ensuring that the facility is equipped and protected against all risks.

The requirements for the design of fire systems and fire safety procedures are summarised here.

- The design must include all fire safety features and provisions according to the Mauritius Fire Code
- Fire Engine Accessibility must be considered in case of fire
- Devise and implement fire escape routes
- Structural engineers must take into consideration all structural fire precautions
- Plan for all hazardous chemicals, flammable liquids, solvents etc. that will be handled and stored
- Include means of control and exhaust of smoke and toxic fumes in design
- Design effective fire-fighting systems such as such as portable fire extinguishers, hose reels, sprinkler system, gas flooding system, fixed water spray, drenchers, etc
- Design fire alarm system such as automatic fire detection systems (smoke or heat), 'break the glass' fire alarm system, etc
- Cater for emergency power supply, evacuation lighting, voice and two-way communication system
- Include emergency lift control in lift design
- Highlight areas of fire risks in the building
- Implement a fire scenario and fire safety management system

For existing buildings, fire certificates must be renewed as per deadline set by Mauritius Fire and Rescue Service (MFRS). Any changes in the site-wide layout must be reflected in the set of drawings submitted in the application pack. In the next issue, we will look at the application process for obtaining a Fire Certificate from MFRS.

Pro-Design Engineering Consultants Ltd
First Floor, Building No.2
Valentina Industrial Estate, Phoenix
Tel: (230) 660 4545

www.prodesign.mu

BIM IN REVIEW

Explore your buildings well before construction

Virtual Reality (VR) is one of the recent technological advancement that's taking the construction world by storm. It is increasingly blurring the line between physical and digitally simulated worlds, thereby allowing a whole different experience of buildings. Instead of paper drawings and plans, clients can walk into a VR model and see for themselves what their project will look like when it's complete. We believe that the best way to understand a building is to see it. The possibility to explore sites in VR months, even years in advance, makes design stages extremely useful and is an invaluable time saver. BIM models are the best start for VR.

We will be inviting you soon to a VR demo in our lab. Stay connected.



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We provide full guidance and support throughout the process.**