

FUS Calculations

Date: 9 March 2023
File No: D07-12-22-0166
Project: 230-232 Lisgar Street
To: Colette Gorni
Planner II
Planning, Real Estate and Economic Development Department
City of Ottawa

Copies: François Thauvette Novatech
 Julien Hébert Project1 Studio

We are writing this memorandum on behalf of our client in relation to engineering comments for our Site Plan Control application. The proposed development situated at 230 Lisgar Street is a new 9-storey high-rise residential building comprising 49 units.

All levels of the building, including the below-grade parking structure, will be equipped with a sprinkler system. The construction of the building will adhere to the Ontario Building Code regulations and will be a typical reinforced concrete high-rise utilizing non-combustible materials.

All structural members, including floors, beams, and columns, will possess a minimum of a two-hour fire rating as confirmed by ULC and UL Standard assemblies. These measures will allow the building to be categorized as a "Limited Combustible" occupancy class with a "Non-Combustible" construction type as described in the Fire Underwriters Survey (2020) appendix.

Furthermore, all vertical openings in the building will conform to the Ontario Building Code or other applicable codes having jurisdiction. All vertical enclosures will have walls of non-combustible construction, featuring a fire-resistance rating of no less than one hour. All openings will be fitted with automatic self-closing devices, and the elevator doors will be constructed with metal or metal-covered materials, normally closed for operation, and in accordance with pertinent code clauses.

Regards,



Ryan Koolwine
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