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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