Ferimi Olaitan
Architectural Technology Student

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Architectural Technologist Portfolio

Ferimi Olaitan

Welcome

Ferimi Oaitan
Sheridan College

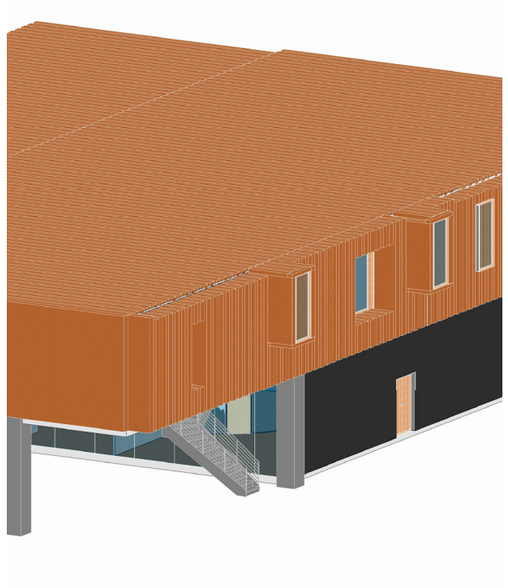
Architectural Technology Program
COMPLETION:DECEMBER 2027

I am a student at Sheridan College, currently in the Architectural Technology program, where I am building a strong foundation in design and technical drafting. Over the past year, I have developed skills in software such as AutoCAD, Revit, SketchUp, Twinmotion, Photoshop, Excel, and more, while continuing to refine my drafting abilities and design process.

As a student, I recognize that I am still learning and have room to grow, but I take pride in the progress I have already made. My ability to adapt quickly, think critically, and stay open to feedback has allowed me to build confidence in both creative design and technical execution. I am excited to continue developing as a designer and technologist, taking on new challenges that push me to grow further in both skill and perspective.

Contents

About Me 02
Table Of Contents 03
Projects Overview 05-06
Multi Use Commercial Project 06-07
Measured Drawing Project 10-13
Studio 2 Project 14-17
Drawing Details 18-19
Autocad Renderings 20-23
Thank you & Digitial QR Code 25



Mixed-Use Building

Retail & Office

This two-storey proposal was developed within a fixed building footprint and designed to comply with the Ontario Building Code (Parts 3 and 9). The ground floor is dedicated to retail use, while the second floor is designed for office use.

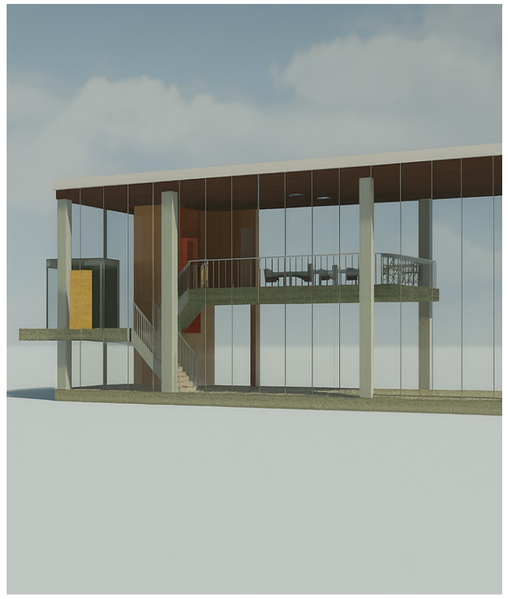
Every aspect of the layout was meticulously planned to ensure full code compliance. The project highlights precision in technical detailing and thoughtful spatial organization, integrating regulatory requirements seamlessly into the overall design.

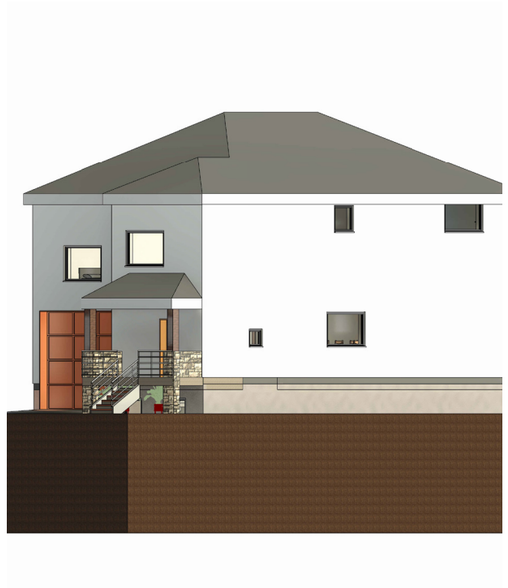
Measured Drawing and Digital Reconstruction

This project involved the detailed measurement, documentation, and digital reconstruction of the third floor of Sheridan College's Hazel McCallion Campus C-Wing. The existing conditions were carefully surveyed on site to capture accurate dimensions, spatial relationships, and structural details.

Using the collected data, a comprehensive floor plan was produced and a precise 3D model was developed in Revit.

The result is a clear and visually compelling representation of the space that highlights the building's structural logic, circulation patterns, and architectural organization, demonstrating a high level of technical accuracy and modeling proficiency.

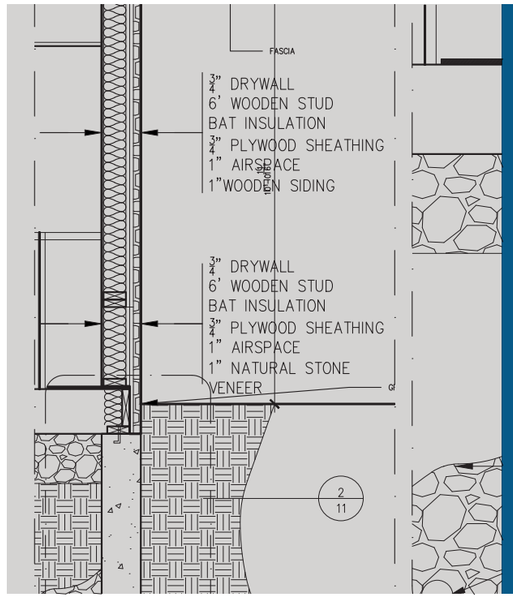




Project Design

Studio project focused on designing a residential house in compliance with the Ontario Building Code (OBC) and City of Mississauga zoning regulations. The work demonstrates a complete progression from concept to technical resolution, integrating creative design with regulatory requirements.

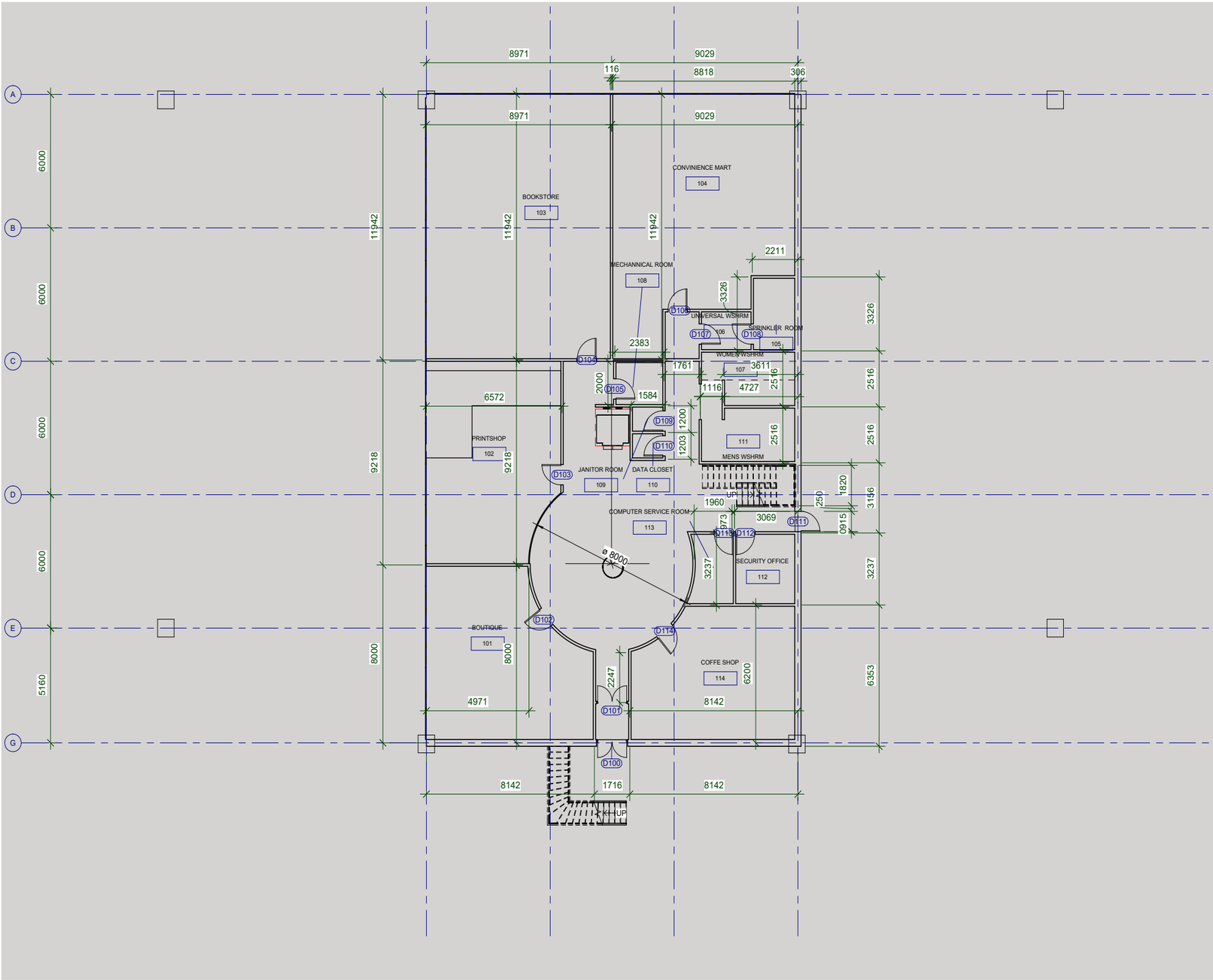
The process included site analysis, floor and elevation development, structural framing, detailing, and final documentation. The outcome highlights a comprehensive skill set, balancing design intent with technical accuracy and delivering a fully resolved architectural proposal.



AUTOCAD -Detail Drawings And Renderings

AutoCAD drawings demonstrate precise detailing with accurate line weights, material conventions, and hatching patterns. Technical details are drafted to industry standards, conveying clear construction intent and spatial hierarchy..

AutoCAD work combines crisp, technically accurate drafting with clear graphic hierarchy—precise line weights, material conventions, and hatching bring each detail to life. 2D drawings are seamlessly translated into expressive 3D models and rendered to highlight form, materiality, and spatial intent.



Multi-Use Retail/Office

The design centers around a strong circulation spine — a clear path from the main entrance to the upper levels that organizes the layout like a backbone. Retail space flows naturally from this core, while upper-level offices wrap around it. Corridors, stairs, and access points are placed strategically to support smooth movement and meet all building code and accessibility requirements. Service areas, washrooms, and exits are integrated without disrupting the flow, making the floor plan both elegant and fully functional.

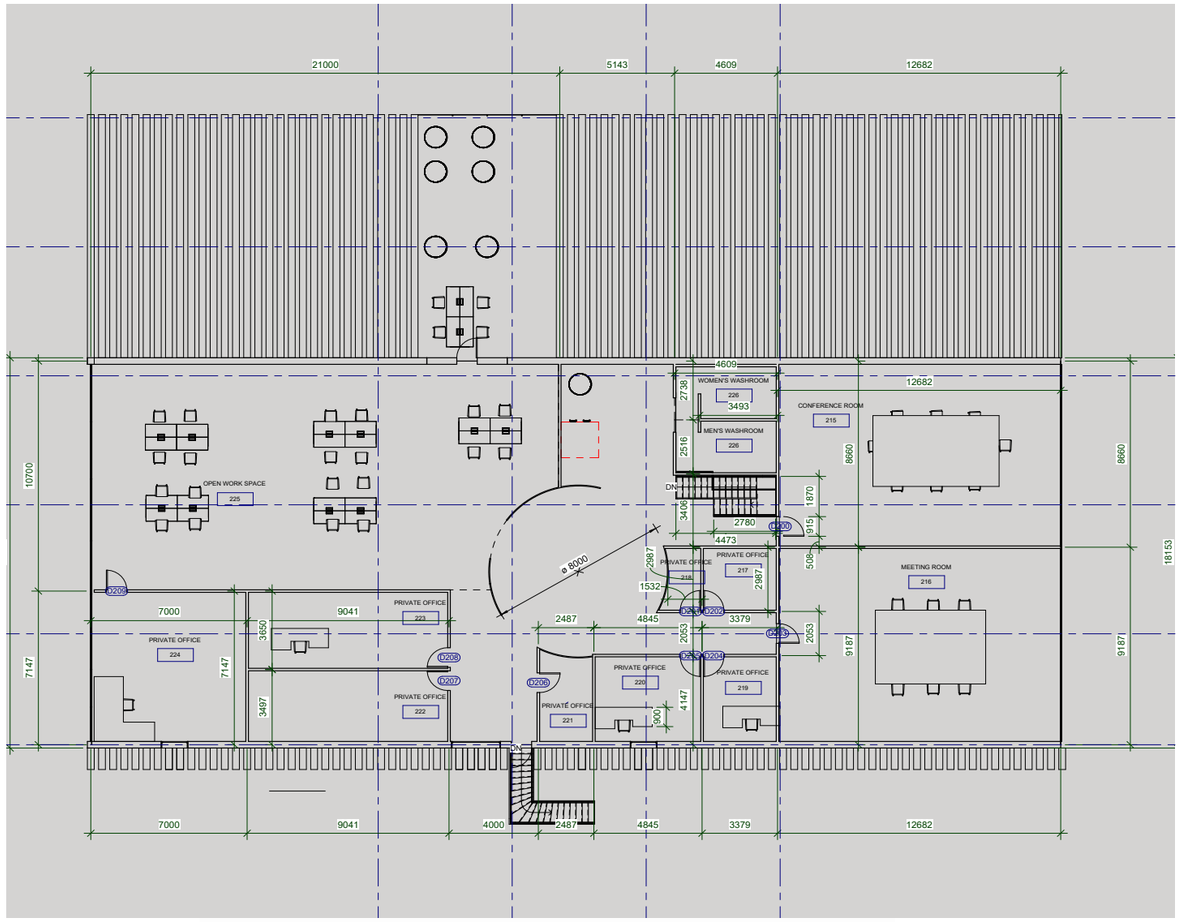
Exterior Elevation Drawings

The elevations clearly express the building's structure and layout through clean line work, balanced proportions, and thoughtful alignment. The façade is organized to reflect how the spaces work inside, with careful attention to rhythm and material expression.

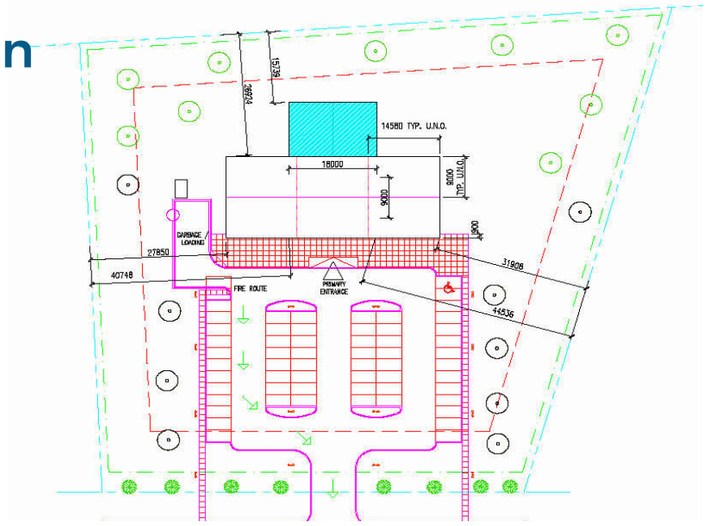
Project Overview

This project reveals more than form — it shows how circulation, code, and detail come together. The central core and corridor logic drive the layout. Every stair, corridor, exit, and washroom is placed to support flow and compliance. The drawings are coordinated; everything-floor plans, elevations, sections-speaks the same language.

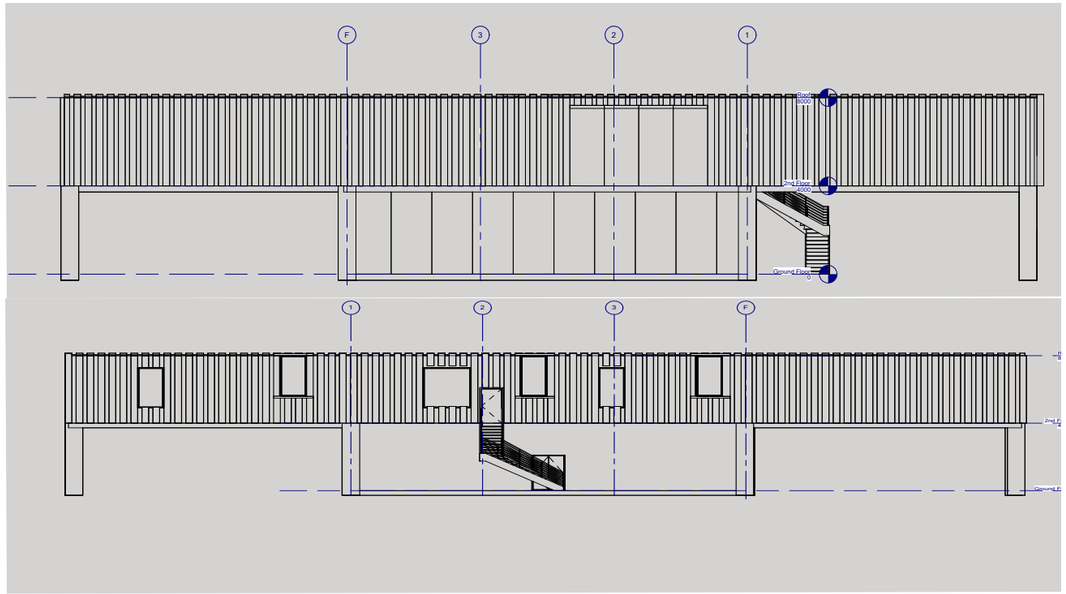
Second Floor Plan



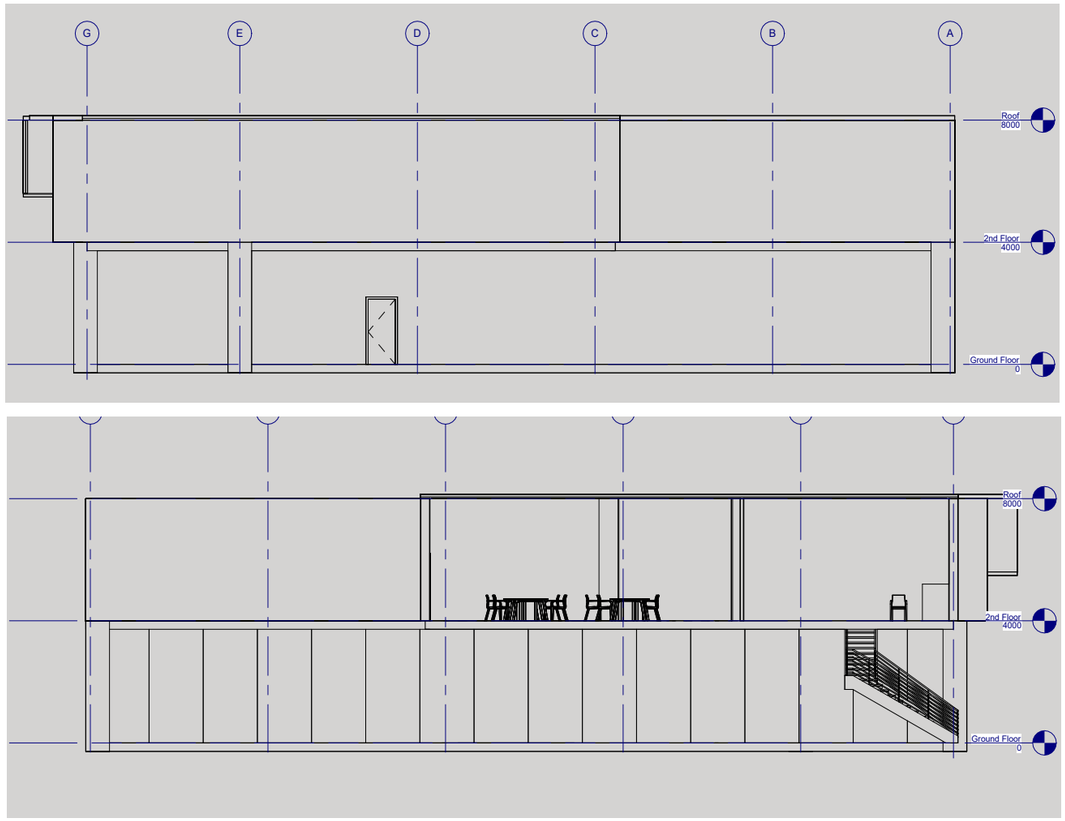
Site Plan

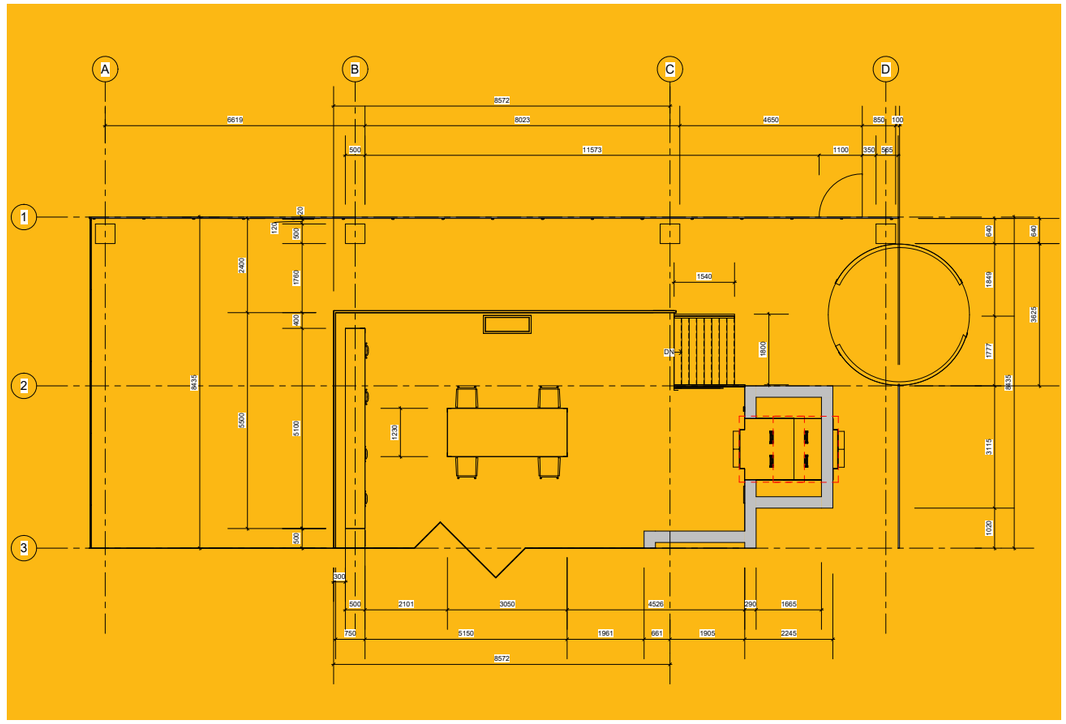


North & South Elevation

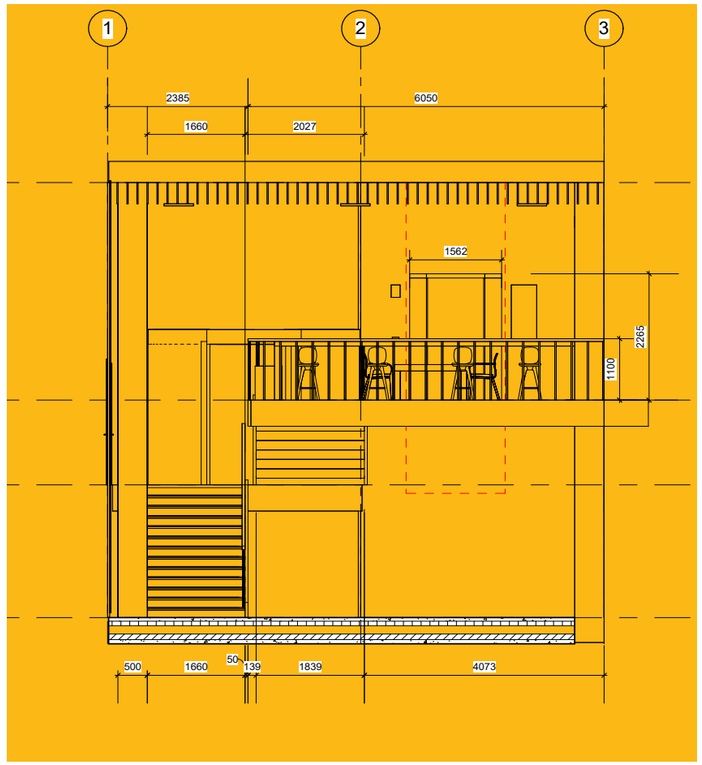


East & West Elevation





West Elevation



Measured Drawing

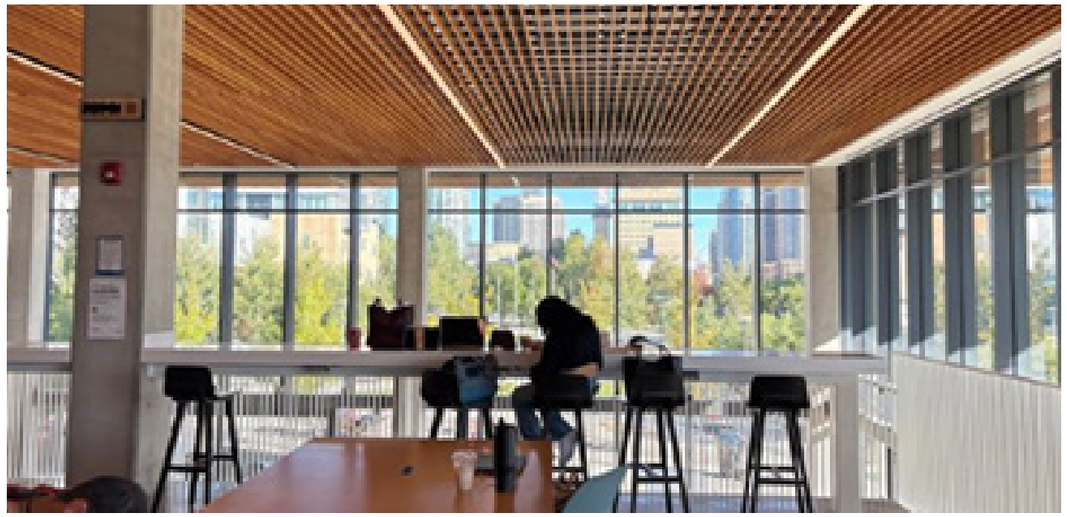
PROJECT

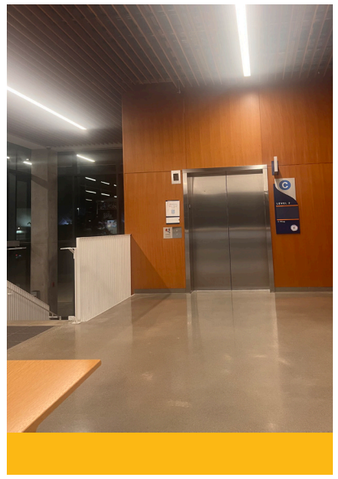
The floor plan was developed from on-site measurements of Sheridan College's C-Wing Level 3, accurately capturing spatial organization, wall assemblies, and circulation patterns. Precise line work and clear graphic hierarchy translate the existing conditions into a drawing ready for further design and documentation.

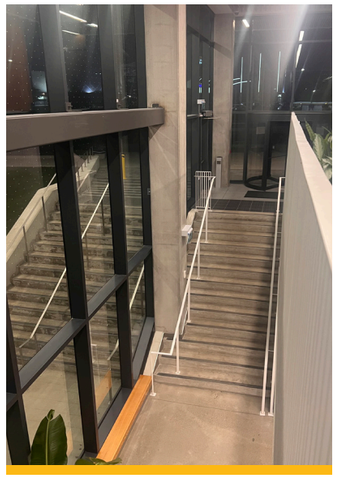
Elevations

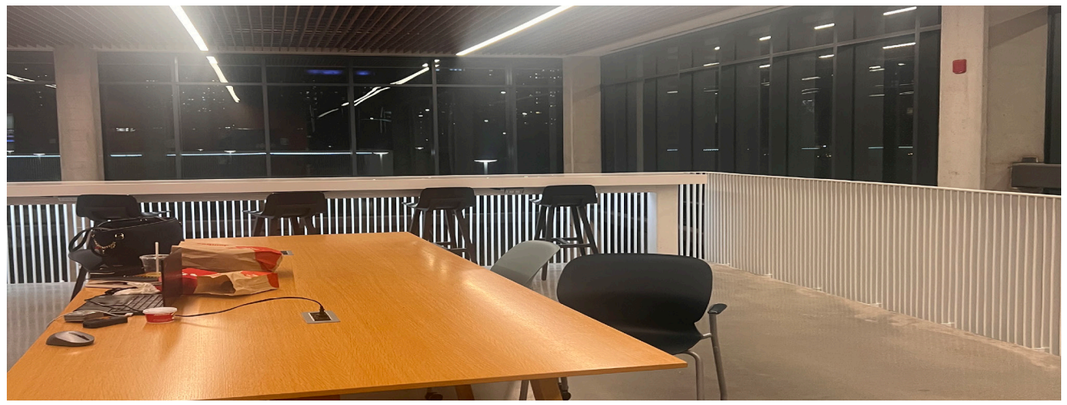
The elevations highlight the building's rhythm, structure, and material character through clear, precise drafting. Careful line work emphasizes proportions and alignments, translating the façade into a coherent architectural drawing.

Site Images

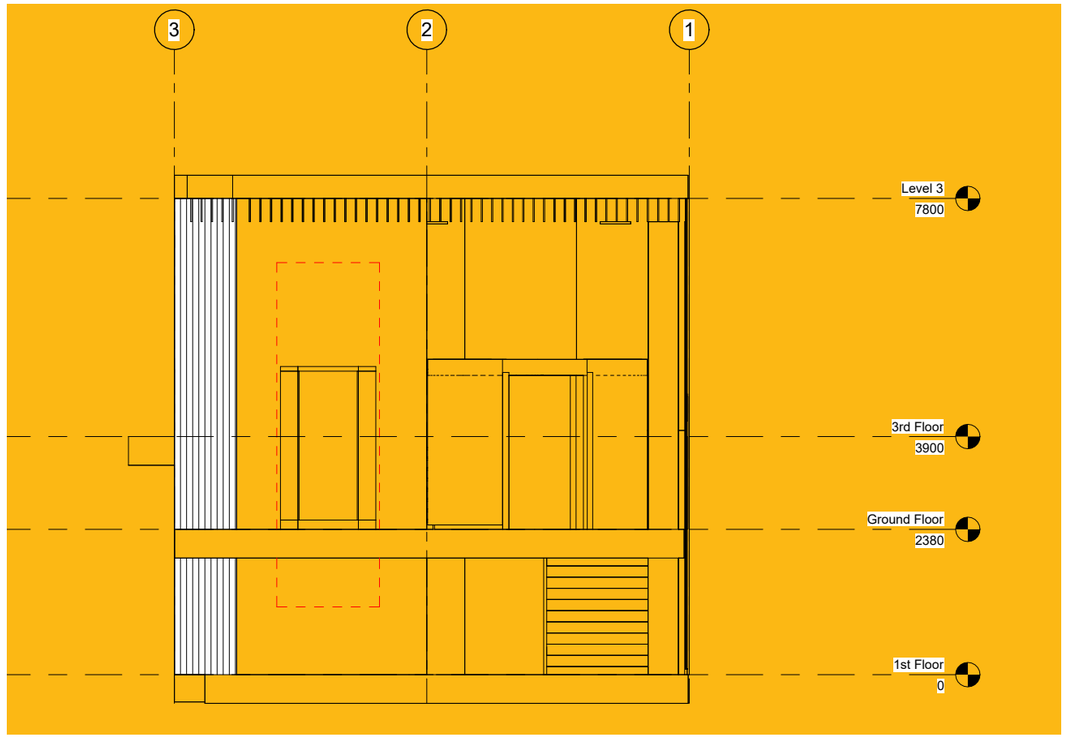


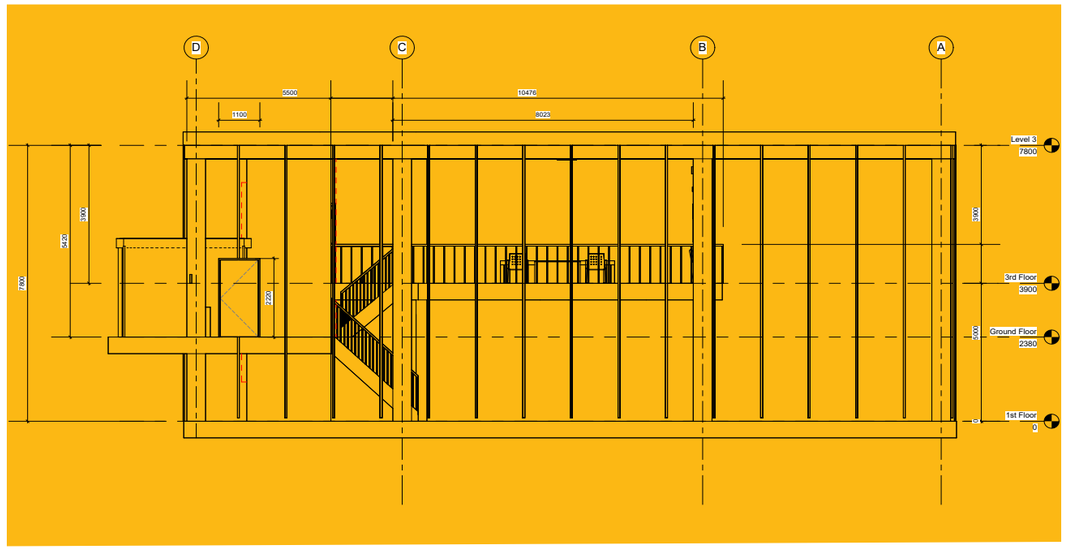




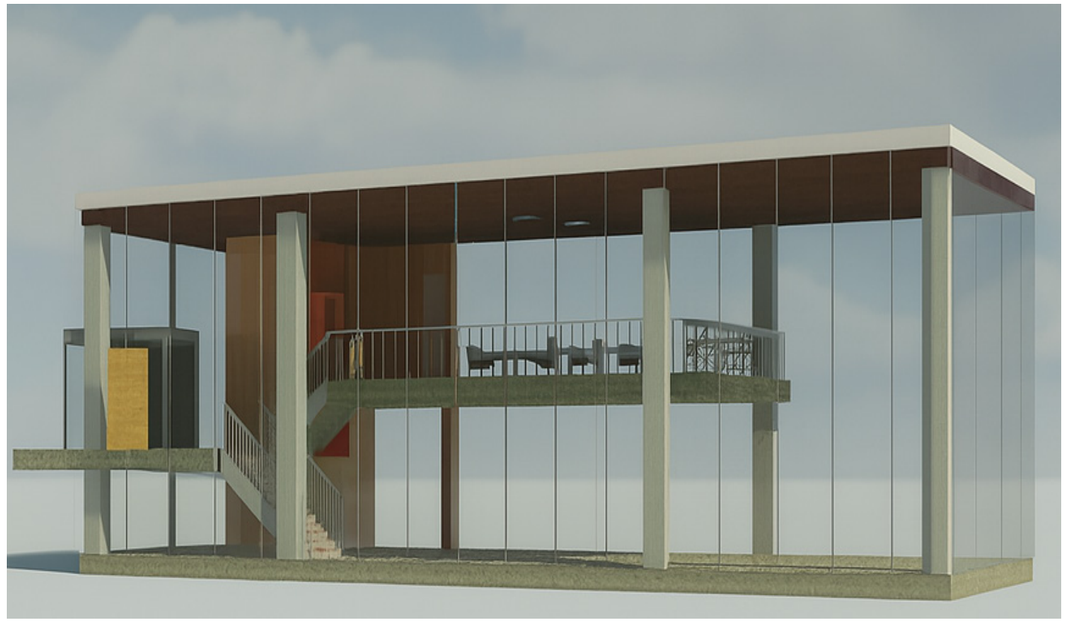


East Elevation





3D Renderings

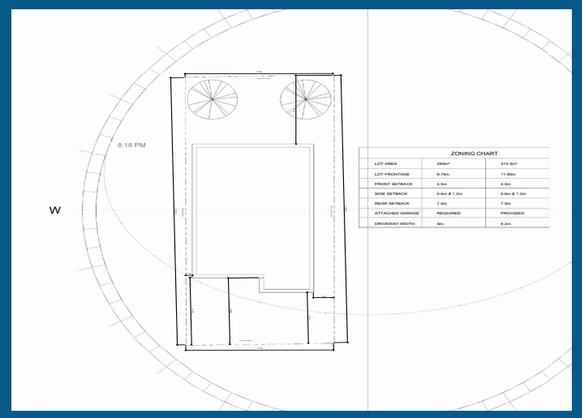


Studio 2 Design Process

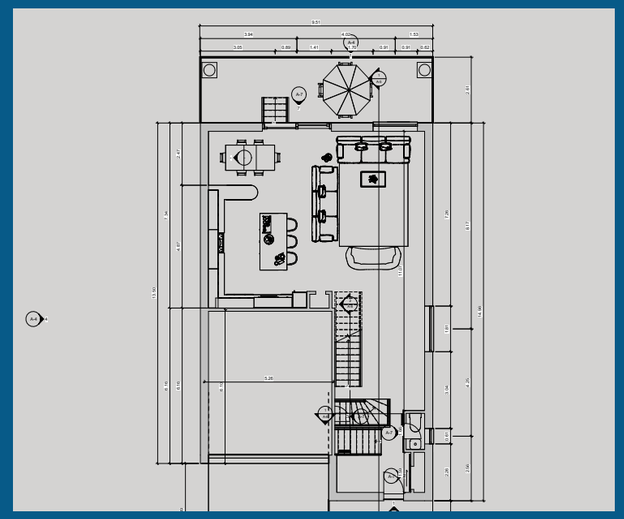
This studio project focused on designing a residential house that meets Ontario Building Code (OBC) standards and City of Mississauga zoning regulations. The work moves from concept to full technical development, bringing together design thinking and regulatory requirements. It includes site analysis, floor and elevation development, structural framing, detailing, and final documentation. Each stage builds on the last, combining design intent with technical precision to create a complete architectural proposal.

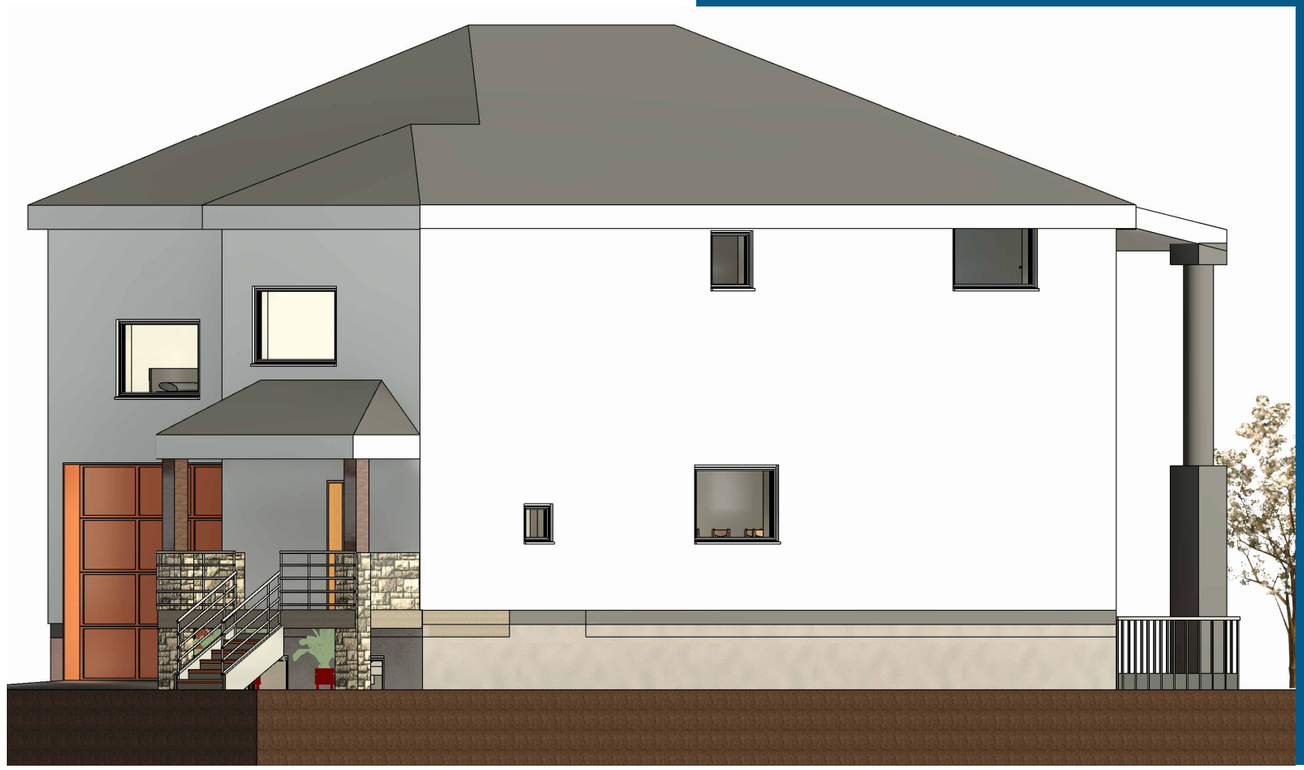
SITE PLAN

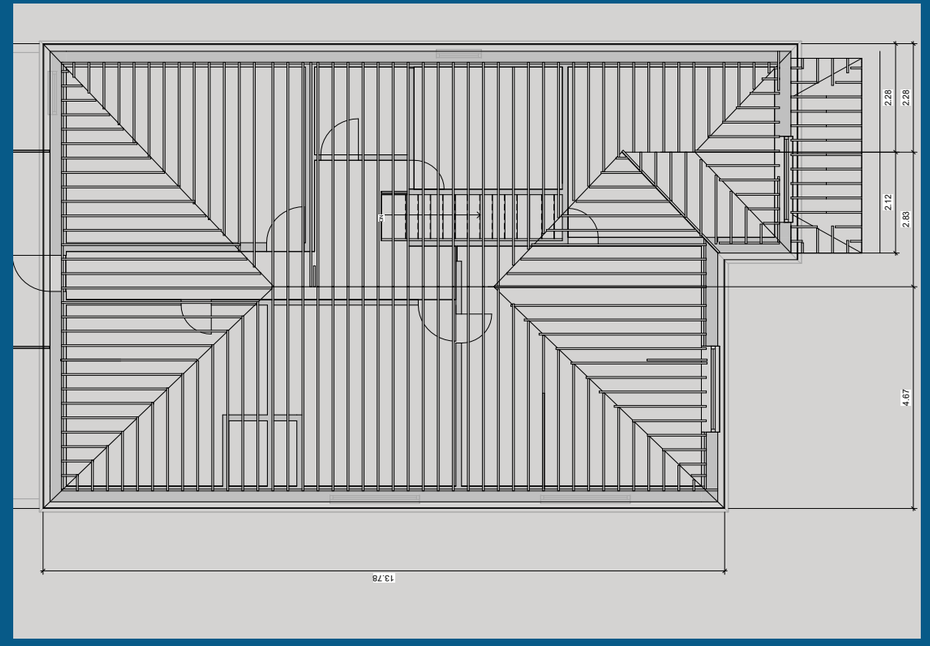
From the framing plans, all joist and rafter lengths were determined according to regulated span requirements, with roof slope calculations completed to ensure structural performance. Thermal performance values for the building envelope were also assessed and integrated into the design to meet energy efficiency standards



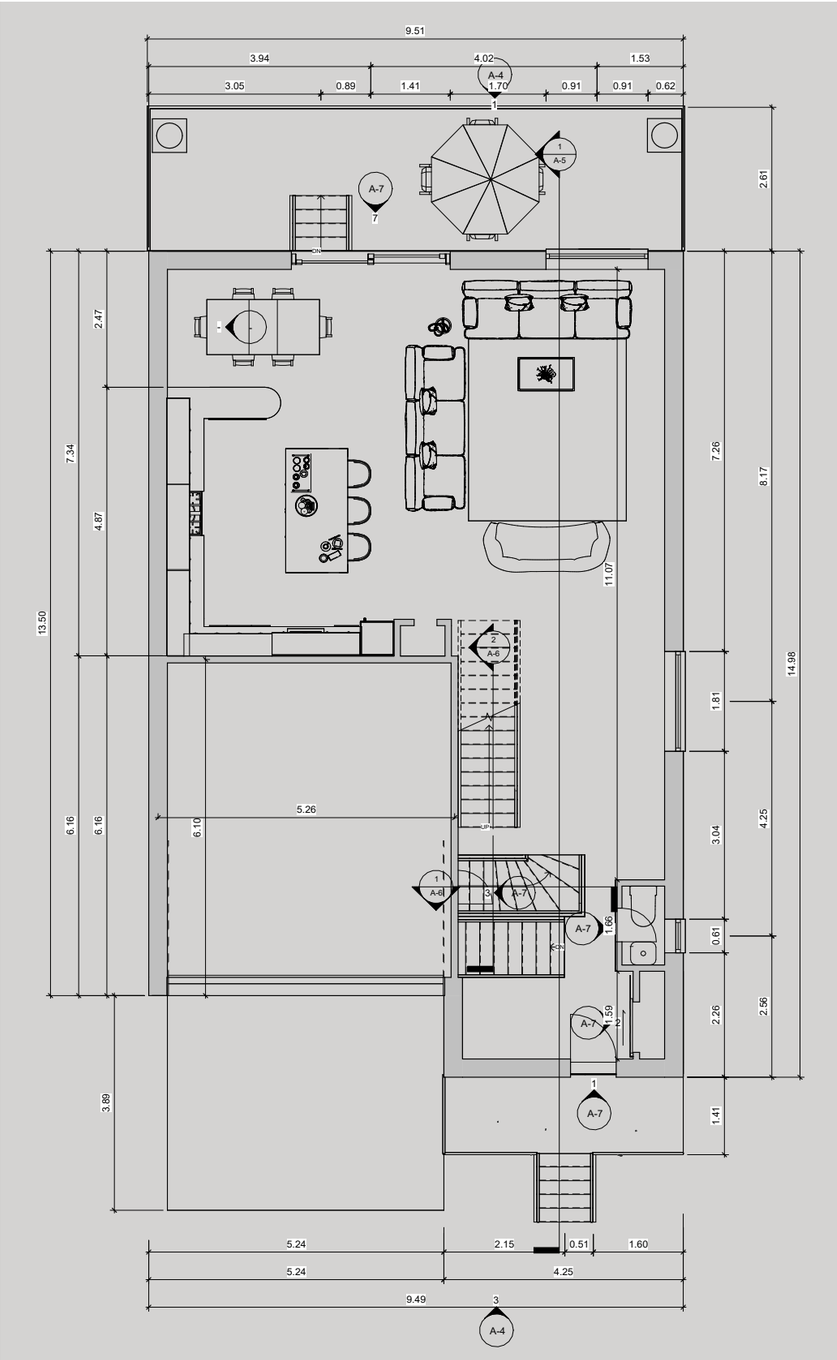
FRAMING PLAN



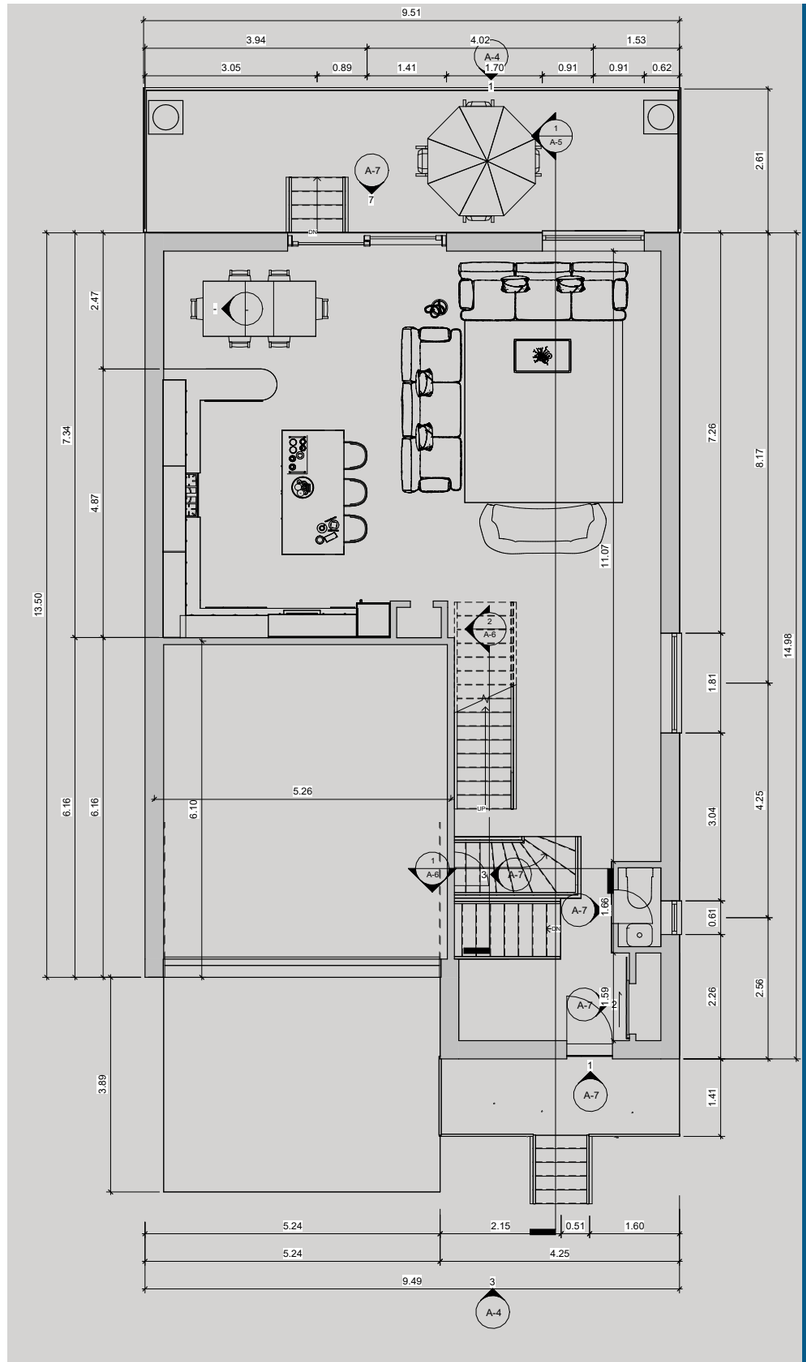




Ground Floor Plan



Second Floor Plan



Floor Plan Design

The first floor is organized around everyday living and service functions, with zoning regulations guiding the overall footprint and massing. An attached garage connects directly to the interior, leading into a foyer that anchors circulation. The main living and dining spaces are arranged as an open layout to maximize light and flow, while the kitchen is positioned for convenience and connection to family areas. Additional ground-floor functions include a dedicated office space for work or study, as well as a powder room and service areas that support daily use.

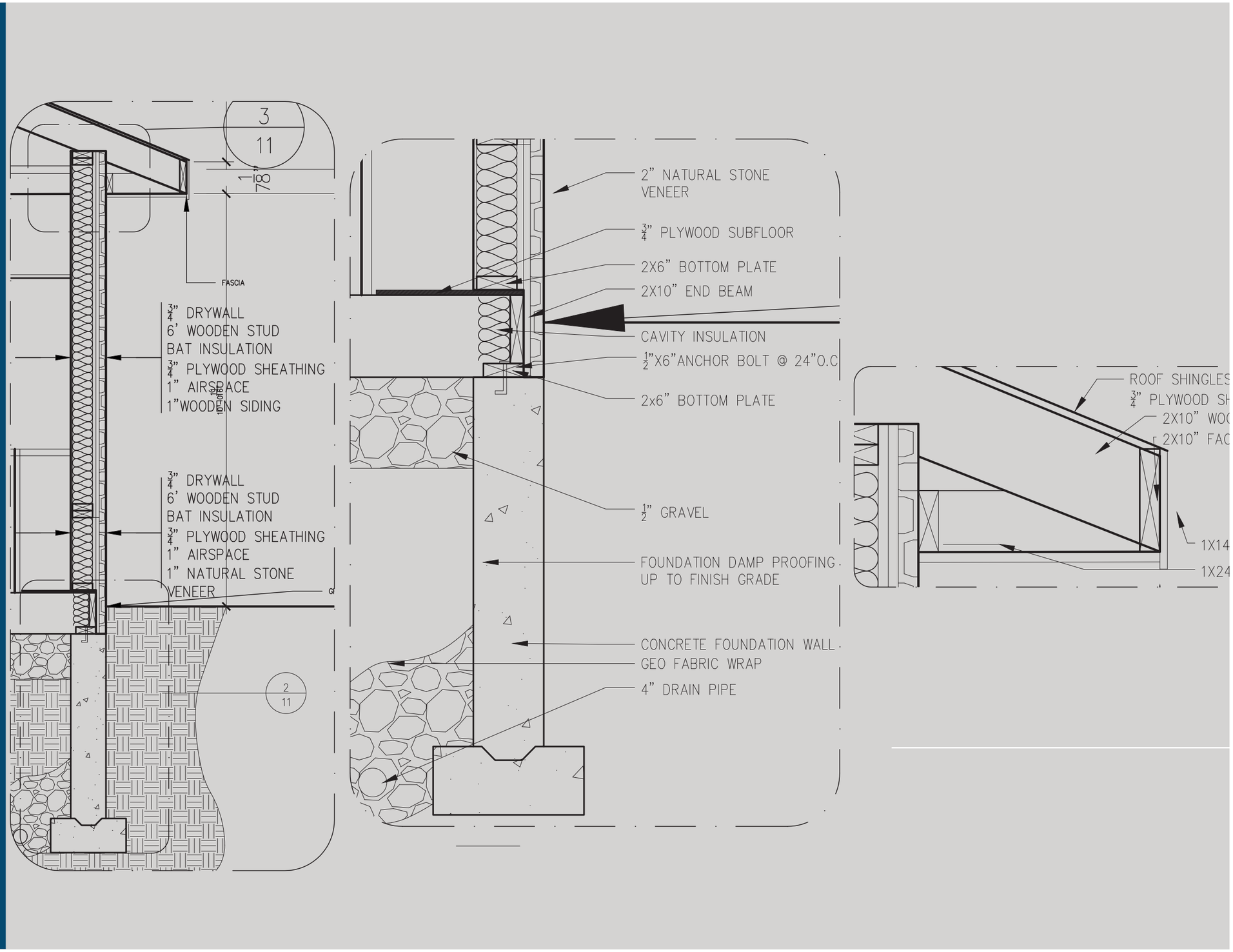
The second floor is dedicated to private living, accommodating three bedrooms and two washrooms. The master bedroom includes a walk-in closet and ensuite, while the secondary bedrooms share a common washroom. A laundry room is also located on this level for convenience, reducing the need for vertical circulation in daily routines. Circulation is compact and efficient, with zoning and selective OBC provisions shaping window placement, room sizing, and egress.

Wall Section & Details

These drawings demonstrate precision in detailing and the ability to communicate structural and material assemblies with clarity. Line weight, notation, and composition were applied with care, while hatching patterns were selected and placed accurately to distinguish materials at the correct scale. The result is a clear and coordinated set of details that reflect both technical accuracy and professional drafting standards.

The roof detail illustrates accurate connections between structure, insulation, and finishes, showing careful attention to load transfer, weather protection, and ventilation. It reflects the ability to resolve complex junctions while keeping the drawing clear and buildable.

The foundation detail communicates structural stability at grade, highlighting footing, wall, and floor slab relationships with precision. It demonstrates an understanding of load distribution, moisture protection, and coordination between below-grade and above-grade assemblies



AutoCAd Rendering

The renderings showcase the design intent with clarity, highlighting form, materiality, and spatial atmosphere. Lighting, perspective, and composition were considered to present the project realistically while communicating both function and aesthetic quality. These visuals reflect not only technical skill in rendering but also the ability to convey the lived experience of the space.

Logo Here
Your Tagline

Thank You

VIEW ONLINE

This portfolio represents a record of my growth, bringing together the skills I've honed, the ideas I've explored, and the drive to keep pushing my work further. It marks where I am now and the possibilities I'm ready to pursue next.

Address

(416)-474-4794
Missisauga, ON, Canada,

Online

Olaitanferimi@gmail.com
www.linkedin.com/in/ ferimiolaitan