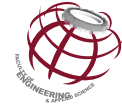


Client Project Submission Form

To be submitted to Instructor: Stephen Bruneau, sbruneau@mun.ca, 737-2119

Civil Engineering Design Course ENGI - 8700
Memorial University
Faculty of Engineering and Applied Science
St. John's NL, Canada A1B 3X5



CLIENT

COMPANY	DBA consulting	address	33 pippy place, st john's
Client Engineer	Mervin Morris	phone	email
Alternate Contact	Art Singleton	phone	email

Proposed Project Title

Tower Studio

Description of Project

Design development of a three story hybrid studio to be located near Cape Ray NL. The studio will be built on solid bedrock approximately 100m from the shoreline. The building is 6.1 m x 6.1 m in plan and 12.2 m high. The roof, floors and walls will consist of timber/wood construction with supplementary steel beams and or columns as required. A section of the floor will be constructed from glass panels. The foundations will consist of reinforced concrete construction.

Requirement of Student Group

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1. Conceptual design of structural systems and materials (i.e. vertical load-carrying systems and lateral load-carrying systems) and preparation of a brief conceptual design report describing these concepts.
2. Preparation of a structural design development report with a clear description of the work and how it will be achieved. The report shall also identify specific design criteria (i.e. vertical and lateral loads, materials, codes, standards, etc.) and identify preliminary budget costs of the structural systems.
3. Analysis and design calculations of all structural elements and special (non-typical) connections. Calculations may be performed by hand, structural analysis software, or both.
4. Preparation of detailed structural design drawings and technical specification.
5. Preparation of a Class B (pre-tender) construction cost estimate based on quantity take-offs from the detailed design drawings.