

Client Project Submission Form

To be submitted to Instructor: Stephen Bruneau, sbruneau@mun.ca, 864-2119

Civil Engineering Design Course ENGI - 8700

Memorial University

Faculty of Engineering and Applied Science

St. John's NL, Canada A1B 3X5



CLIENT

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Proposed Project Title

WEDGEWOOD PARK COMPLEX

Description of Project

COMPLETE THE DESIGN, ESTIMATE & DRAWINGS FOR WEDGEWOOD PARK COMMUNITY CENTER LOCATED IN ST. JOHN'S, NL. BUILDING CONSTRUCTION IS A MIXTURE OF GLULAM, STEEL & CONCRETE FRAMING WITH CONCRETE FOUNDATIONS. FLOORS TO CONSIST OF SLAB ON GRADE AND COMPOSITE METAL DECK WITH CONCRETE TOPPING. CLT PANELS USED IN NATATORIUM ROOF SYSTEM.

Requirement of Student Group

- CALCULATE REQUIRED LOADS (ie. DEAD LOADS, LIVE, WIND, SNOW & EARTHQUAKE)
- DESIGN BUILDING FOR ALL LOADING CONDITIONS (VERTICAL & LATERAL)
- PRODUCE DRAWINGS, QUANTITY TAKE-OFFS, AND TENDER ESTIMATE
- REPORT AS REQUIRED BY COURSE DESCRIBING DESIGN PROCEDURE

COMMENTS, CONDITIONS, RESTRICTIONS QUESTIONS

- CORROSION PROTECTION OPTIONS TO BE EVALUATED
- POOL DESIGN BY OTHERS, BUT RETAINING WALLS AROUND POOL AREAS TO BE INCLUDED
- STUDENTS WILL REQUIRE USE OF STRUCTURAL SOFTWARE (I.E. S-FRAME or ETABS) AND PERTINENT DESIGN CODES (NBCC 2010, STEEL CODE - S16, CONC. CODE - A23.3, AND WOOD CODE - O86)