

Slave Lake Storage Facility for SRD

SLAVE LAKE, ALBERTA

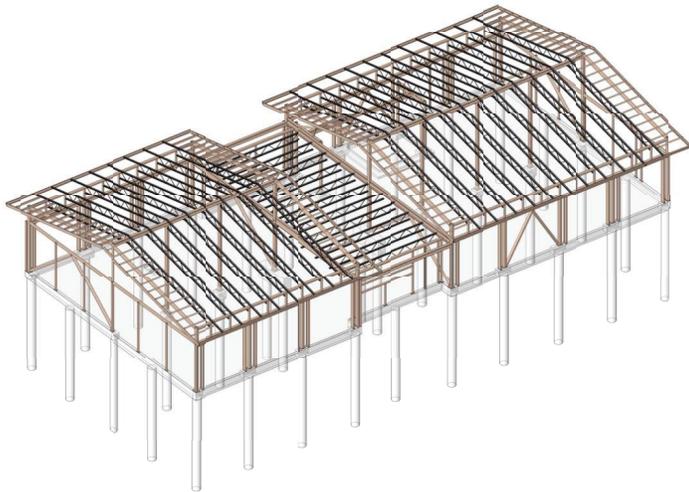
\$2.4 Million Budget | 8,100 sq.ft. total Medium Commercial | Conventional structural steel framing | Public Tender project delivery | scheduled to be completed late 2014



Ethos Engineering Inc. was invited by Croy Yee Architect to join the consultant design team based on our experiences working together on a proceeding town home project. The architect was aware that this was to be Ethos' first Alberta Infrastructure project but was impressed by the "attention to detail and constructibility concerns" demonstrated by Ethos on the previous town home project.

The architect sought to provide ample natural lighting, large but functional roof overhangs and a low-maintenance building on a tight budget with fairly high client expectations for building size and functional requirements. A conventional structural steel frame was selected for the building superstructure that allowed for the clerestory effect of the continuous Kalwall panels tucked up underneath the roof soffit and kept the building weight down to help economize on foundations for marginal site soils conditions. All exterior light-gauge steel wind-bearing framing was eliminated and replaced with closed HSS column shapes directly supporting the exterior building wall panels. This allowed the architect to satisfy his design intent for the provision of an easy-to-maintain building interior, eliminated the costs and complication of one extra building trade.

Prior to issue of the building package for tender Ethos actively encouraged the client to allow for provision of an engineered helical steel pile foundation alternate in the tender documents. This eleventh-hour inclusion resulted in a savings to the owner of close to \$240,000 on the successful tender as compared with concrete friction piles. We were pleased to see the low three tenders come in within a total spread of 5% of total tender cost. We would like to think of this remarkably tight tender spread on a public tender project as a good indicator of thorough and communicative tender documents.



"Our recent experiences with Ethos Engineering on the South Callaghan Townhome and Slave Lake Storage Facility for SRD projects, has been very satisfactory. In their capacity as structural engineers, we have found them to be thorough, and considerate and responsive to the architectural needs (massing, proportions, cladding, columns/bearing wall locations, etc.) as well as those of the other disciplines (support of mechanical equipment, duct clearances, integrating lighting with joists), and the Owner (construction cost, speed of erection, seasonal restrictions). Ethos devotes much time to ensuring details are accurate and well coordinated. We have no hesitation in recommending them for structural engineering services on small to large-scale building projects."

Croy Yee



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info@ethos-engineering.com