



Three-storey, 116,000 sq. ft. self storage facility

Challenges

- The owner requested a high-end and cost-effective building.
- Optimizing envelope cost using Insulated Metal Panels (IMP), while considering the orientation, reveal patterns and profile.
- Maintaining clear height between floors, while controlling costs and respecting the unique design loads and floor vibration/deflection criteria.

Solutions

- Early involvement allowed Canam to provide significant design-assist input both for the structural steel and IMP's.
- The floor assembly was changed from a composite concrete solution to a standard open-web steel joist assembly.

Results

- The owner was able to evaluate the cost and constructability of many different design/product options, allowing him to choose the most cost-effective solution, thanks to Canam's involvement early in the process.
- The use of standard open-web steel joist assembly saved significant costs and maintained clear heights and floor serviceability.



TESTIMONIAL

"We chose Canam for a design-assist role for the structure and envelope on the Blue Bird Self Storage facility, as well as for the supply and install of the structural steel, joists, deck and insulated metal panels.

The one stop shop simplified the execution for our team, and in particular, the extensive design and costing input on the wall panels.

Canam's early involvement enabled us to draw on subtrade experience to help guide design, and manage costs simultaneously."

Allen Clayton

President

Create. Construction Management Group