



MULTI-RESIDENTIAL BUILDING SOLUTIONS



CANAM
BUILDINGS

OUR EXPERTISE AT **YOUR SERVICE**

Canam has been offering owners, real estate developers, architects, engineers and contractors an array of construction solutions since 1970. Our products include the Hambro D500 or MD2000 composite floor system, a composite girder, a transfer slab system and load-bearing steel stud walls, all of which can be combined in order to design multi-residential buildings that are both better adapted and more functional. Our construction solutions are simple and straightforward. So there are no surprises.

BuildMaster design-build or design-assist approach

With its BuildMaster approach, Canam has redefined the way buildings are designed and built. BuildMaster applies a safer, faster and leaner approach, allowing you to shorten your structural erection schedule by up to 25%. The BuildMaster approach offers you, among other things:

- Building design assistance
- An easy and accelerated construction process
- Delivery according to a clear, precise and accurate schedule
- A highly secure worksite management process
- Reduced risks associated with your project



VALUE ADDED **PRE-CONSTRUCTION AND ENGINEERING SERVICES**

By getting involved in your project at its preliminary design phase, our pre-construction and engineering teams will provide support and help you make the best decisions for your building's structure and envelope. They will also help you make the most judicious selection of products and solutions according to your project's specific characteristics.

Canam offers its clients the Design-Build approach. By overlapping the design and the construction stages, this proven process minimizes the risks associated with building projects and reduces their completion times.

Our value-added consulting services for virtual design and construction include the coordination and integration of models for all types of construction projects.

Pre-construction services	Engineering services	Technological expertise
<ul style="list-style-type: none">• Design-build, design assistance, value engineering• Proactive risk management in health and safety• Constructability review• Systems analysis• Virtual design and construction (BIM)• Strategic procurement	<ul style="list-style-type: none">• Building design• Custom design of steel components as well as composite action (steel-concrete)• Assembly engineering• Production and approval of shop drawings• Review of drawings• Project management	<ul style="list-style-type: none">• 3D building modeling• Clash detection• 4D, 5D and 6D simulations• Architectural rendering• Visual animation• Product demonstration



COMPLETE TURNKEY **SUPERSTRUCTURE OFFER**

Canam offers complete superstructure solutions for 3 to 30-storey multi-residential buildings. Using the BuildMaster approach, Canam will complete the design, fabrication and erection of the steel structures using Hambro D500 or MD2000 composite floor system, composite girders, structural steel frame, standard open-web steel joists, steel deck and load-bearing steel stud walls.

BENEFITS

- More aggressive delivery date and shorter overall schedule (design to erection)
- Cost savings over traditional procurement (value engineering) and protection against material prices increase
- Single-source design-build (one-stop shop) and hassle-free partnership
- Minimization of job site issues and extras
- BuildMaster “insurance policy” – namely, guaranteed start and completion work dates

Canam can be Engineer of Record (EOR) from the very conceptual stages of the project, or working as a partner with the project engineer and architect by assisting in the design process.



TWO SOLUTIONS TO FIT THE **HEIGHT OF YOUR BUILDING**



Load-bearing steel stud walls with Hambro floor system

Ideal for **2 to 9-storey** multi-residential projects:

- Rapidly enclosed and insulated exterior envelope allowing subsequent trades to start earlier
- Much faster superstructure completion since load-bearing walls account for a minimum of 50-70% of the building's walls
- Factory fabricated and assembled load-bearing steel stud walls

Structural steel frame with Hambro floor system

Ideal for **10-storey +** multi-residential buildings:

- Increases speed of construction by 20-40%
- Accelerates construction work due to quick installation of floors
- Reduces loads at foundations



CANAM'S **MULTI-RESIDENTIAL PRODUCTS**

Hambro D500 composite floor system

The D500 floor system requires stripping but uses plywood forms that can be reused on multiple storeys. The speed of installation of this system, mainly used on load-bearing wall construction, allows it to be quickly accessible for other trades. It is strongly recommended by builders.



Hambro MD2000 composite floor system

The MD2000 floor system uses steel deck as a permanent form that does not require stripping, allowing it to be quickly available for other trades. This system is ideal for multi-storey buildings consisting of conventional structural steel frame (beams and columns), as it enables the concrete pouring on more than one floor at a time. It is highly recommended by steel erectors.



CANAM'S MULTI-RESIDENTIAL PRODUCTS

Hambro composite girder

The Hambro girder acts as a principal beam supporting the Hambro D500 and MD2000 joists which are installed perpendicularly on each side. Developed for the multi-residential and commercial markets, the Hambro composite girder offers greater spans than the conventional steel girder while maintaining a minimum depth to adapt to the Hambro joists



Pre-panelized load-bearing steel stud walls

Canam load-bearing wall panels are fabricated and assembled in our plant using the latest technology and tight industry standards, to achieve the highest quality available. Its versatility coupled with the benefits of prefabrication make it an attractive alternative to traditional construction. Canam's manufacturing capabilities ensure prompt, on-time deliveries with state-of-the-art quality control.



BUILD DIFFERENTLY

For more than 50 years, Canam has been developing a fast, reliable construction method adaptable to all your commercial, industrial, institutional or multi-residential projects. Whether you are building structures, floors, walls or steel building envelopes, our construction solutions are simple and straightforward. No surprises.



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1-866-466-8769

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