

Products



With clean steel from integrated steelmaking, Algoma produces high quality welded structural shapes to the strictest chemistries and dimensional requirements in a variety of grades. With one of the widest and most sophisticated plate mills in North America, Algoma is capable of rolling plates up to 2 3/4" (70 mm) in thickness, and up to 152" (3860 mm) wide.

Algoma's Welded Wide Flange shapes cover most common sizes of rolled wide flange shapes 14" and greater in depth. In addition, they go beyond the rolled wide flange series in weight and in effective use of material.

Beam and column shapes are supplied as plain mill shapes only, similar to a rolled wide flange mill section. These are cut to length as required. These shapes have been completely accepted by designers and fabricators in Canada and have been used in a wide variety of structural applications; from high-rise office towers, to power generating stations and highway bridges. They have repeatedly provided the most cost-effective solution to engineering problems.

Special welding requirements, such as full penetration welds for dynamically loaded members, can be accommodated up to a maximum web thickness of 5/8" (16 mm). Supplementary testing, including X-ray, ultra-sonic, magnetic particle and liquid penetrant, is available for critical end uses subject to negotiation and acceptance.

Welded Structural Shapes	
Welded Wide Flange (3 Plate Girders) – Standard Sections	Standard sections with published engineering properties. Custom lengths as specified by customer.
Welded Wide Flange (3 Plate Girders) – Special Sections	Custom sections and lengths as per customer design.
Welded Reduced Flange	Standard sections with published engineering properties. Custom lengths as specified by customer.
Welded T Sections	Custom sections and lengths as per customer design.
Plate Profiling & Cutting	
CFC Stripped Plate	Strip Cutting for 3 plate girders, including camber.
Profiled Plate	CNC, double bevel plate profiling up to 2 3/4" (70 mm) thick plate.

www.algoma.com

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