

Light Gauge Steel Framing

Roll-formed C sections for panelised and modular construction

Light gauge steel framing (LGSF) is the load-bearing and non-load-bearing skeleton of a panelised or modular building: C sections for studs and joists, U sections for tracks, plus noggings, bracing and trusses. Sections are designed together with the cladding and lining they carry.

Sections

Member	Form	Typical use
C stud / C section	Lipped C with service holes	Walls, floor joists, roof rafters
U track	Plain U channel	Top and bottom track for studs
Nogging / bridging	Small U or C section	Stud restraint and load distribution
Truss / lattice	C sections in a lattice	Roof and floor trusses

Specified data

Section size	Sized by the structural design — deep sections span further
Base metal thickness	0.55 – 2.0 mm typical for LGSF
Coating	Z275 galvanised typical; higher for aggressive environments
Holes	Service and web holes are punched as part of the section
Design	Cold-formed design to EN 1993-1-3, AS/NZS 4600 or AISI S100 — the frame is engineered, not picked from a table

Standards referenced

EN 1993-1-3 (cold-formed steel design, Europe) · AS/NZS 4600 and AS 4100 (Australia / New Zealand) · AISI S100 with AISI S240 (North America — cold-formed steel structural framing) · EN 10346 / AS 1397 (coated steel) · EN 14195 where the frame takes plasterboard

Need a quote? Send the section schedule, BMT and coating, plus total tonnes or linear metres.

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