# Standards Summary

What the common cold-formed steel framing standards cover

A plain-language guide to the standards referenced on our product pages and data sheets. It explains what each standard is about; it is not a compliance certificate. Always use the edition adopted by the governing building code.

## Steel sheet and coating

| Standard | Title (short) | What it covers |
|---|---|---|
| ASTM A653 | Steel sheet, zinc-coated (galvanized) by the hot-dip process | Base steel grades and coating designations (G40, G60, G90 ...) for galvanized sheet. |
| ASTM A924 | General requirements for metallic-coated sheet | Common rules for metallic-coated sheet: tolerances, testing, certification. |
| ASTM A1003 | Steel sheet for cold-formed framing members | Steel, coating and marking requirements specifically for framing members (structural and non-structural). |
| ASTM A755 | Prepainted (coil-coated) metallic-coated sheet | Coated sheet for building products; paint systems and testing. |
| ASTM A780 | Repair of damaged hot-dip galvanized coatings | Methods for touching up coatings, e.g. zinc-rich paint. |

## Framing members

| Standard | Title (short) | What it covers |
|---|---|---|
| ASTM C645 | Non-structural steel framing members | Dimensions, minimum thickness, coating and performance of interior non-load-bearing studs, track and channels. |
| ASTM C955 | Cold-formed steel structural framing members | Requirements for load-bearing and curtain-wall studs, track and joists. |
| AISI S100 | North American specification for design of cold-formed steel members | Design rules for strength of members and connections (basis of section properties). |
| AISI S220 | Non-structural members | Design and installation provisions for non-structural framing. |
| AISI S240 | Structural framing | Design provisions for structural cold-formed steel framing systems. |
| AISI S202 | Code of standard practice | Responsibilities, documents and tolerances in cold-formed steel framing projects. |

## Installation

| Standard | Title (short) | What it covers |
|---|---|---|
| ASTM C754 | Installation of steel framing members to receive screw-attached gypsum panels | Interior framing installation: track fastening, stud spacing, bracing. |
| ASTM C1007 | Installation of load-bearing steel studs and accessories | Installation practice for structural (load-bearing) studs. |
| ASTM C1513 | Steel tapping screws for cold-formed steel framing connections | Screw requirements for framing connections. |
| ASTM C840 | Application and finishing of gypsum board | Gypsum board installation on steel framing. |

## How to read our data

- Product pages list the standards the members are produced to, as stated in the supplier’s published data.
- Section properties on our data sheets are the supplier’s published values, calculated per AISI S100.
- Mill test reports and certificates of compliance are issued per shipment on request.