

Certification of Materials

Steel-Con hereby certifies that all light gauge steel framing products are compliant with all applicable standards and codes as listed below:

Code Approvals

- IAPMO ER-0313
- ICC ESR-3064P
- IAPMO ER-0283
- IAPMO ER-0342
- UL ER3660-02

Design Specifications / Manuals

- North American Specification for the Design of Cold-Formed Steel Structural Members, NASPEC 2016 Edition S100-16 (Supplement S2-20 for IBC 2018, 7th Edition 2020 FBC & FBC-R and 8th Edition 2023 FBC & FBC-R)
- Gypsum Association Fire Resistance Design Manual, GA-600

Material / Product Specification

Nonstructural (Drywall) Products:

18, 30 mil: 33 ksi
 D25: 50 ksi
 D20, 30EQD: 57 ksi..... ASTM A1003, C645

Structural Framing Products:

33-43 mil: 33ksi
 33EQS, 43EQS: 57 ksi
 54-97 mil: 50 ksi ASTM A1003, C955

Coating Specification

Nonstructural (Drywall) Products:

D25, D20, 18: G40/ZM30
 30EQD, 30 mil: G60/ZM30 . ASTM A653, A1046, C645

Structural Framing Products

33EQS, 43EQS, 33-54 mil: G60
 68-97 mil: G90 ASTM A653, C955

Recycled Content – LEED



Steel-Con materials have a high inherent recycled content of steel, and can be used in achieving Leadership in Energy and Environmental Design (LEED) certification.

American Society for Testing and Materials (ASTM)

- **A653**
Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated by the Hot-Dip Process
- **A924**
Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process
- **A1003**
Standard Specification for Steel Sheet, Carbon, Metallic-Coated for Cold-Formed Framing Members
- **A1046**
Standard Specification for Steel Sheet, Zinc-Aluminum-Magnesium Alloy-Coated by the Hot-Dip Process
- **C645**
Standard Specification for Nonstructural Steel Framing Members
- **C754***
Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products
- **C955**
Standard Specification for Load-Bearing (Transverse and Axial) Steel Studs, Runners (Tracks), and Bracing or Bridging for Screw Application of Gypsum Panel Products and Metal Plaster Bases
- **C1007***
Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories
- **E72**
Standard Test Methods of Conducting Strength Tests of Panels for Building Construction
- **E90**
Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- **E119**
Standard Test Methods for Fire Tests of Building Construction and Materials

For referenced ASTM standards, visit the ASTM website at www.astm.org, or contact ASTM Customer Service at service@astm.org.

*Steel-Con Recommended Installation Methods

