

# STEEL CONSTRUCTION SYSTEMS

## Steel-Con

### Material Specifications

The following information provides the minimum decimal thickness for steel studs, track, framing accessories and minimum weights for metal lath products per respective American Society for Testing and Material (A.S.T.M.) Standards.

#### Steel Studs, Track and Framing Accessories

Old Gauge	New Mils	Minimum Base Metal (1)	Coating Weight (2)	Decimal Equivalent	Minimum Thickness (3)	Yield Strength
25	18	.0179"	G-40	.0007"	.0186"	33
22	27	.0263"	G-40	.0007"	.0270"	33
20	30	.0295	G-40	.0007"	0.030	33
20	33	.0329"	G-60	.001"	.0339"	33
18	43	.0428"	G-60	.001"	.0438"	33
16	54	.0538"	G-60	.001"	.0548"	50
14	68	.0677"	G-60	.001"	.0687"	50

- Notes:** (1) Minimum decimal thickness as defined in A.S.T.M. C-645 & C-955  
 (2) Minimum coating weights as defined in A.S.T.M. C-645 & C-955  
 (3) Minimum decimal thickness of products delivered to job site

#### Metal Lath Products

Size	Wt. Per Sq. Yd.	A.S.T.M. (+/- 10%)	Minimum Wt./Piece
1.75	1.75 lbs.	1.58 / 1.92	3.15 lbs.
2.5	2.5 lbs.	2.25 / 2.75	4.5 lbs.
3.4	3.4 lbs.	3.06 / 3.74	6.12 lbs.

Steel Construction Systems / 11250 Astronaut Blvd. / Orlando, FL 32837  
 Phone (407) 438-1664 / Fax (407) 438-1667

A CEMEX / ArcelorMittal Company Joint Venture  
[www.steelconsystems.com](http://www.steelconsystems.com)

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### PRODUCT CERTIFICATION

**Steel Con** certifies that the following products of our manufacture meet or exceed American Society for Testing & Material (A.S.T.M.) Standards, American Iron and Steel Institute (A.I.S.I.) Specifications and comply with Federal Specification requirements for each product as indicated.

#### Steel Framing Standards:

A.I.S.I.	Specification for the Design of Cold Formed Steel Structural Members 1996 Edition with 1999 Supplement
A.I.S.I.	Standard for Cold-Formed Steel Framing – General Provisions 2001 Edition
A.S.T.M. A 653/A 653M A446	Standard Specification for: Sheet Steel, Zinc-Coated (Galvanized) or Zinc-Iron Alloy Coated (Galvannealed) by the Hot-Dip Process <b>A.S.T.M. A446 is a withdrawn standard (1994) replaced by A653/A653M</b>
A.S.T.M. A 792/A 792M	Standard Specification for: Steel Sheet, 55% Aluminum Zinc Alloy Coated by the Hot-Dip Process
A.S.T.M. A 924/A 924M	Standard Specifications for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process
A.S.T.M. A 463/A 463M	Standard Specification for Steel Sheet, Aluminum-Coated by the Hot-Dipped Process
A.S.T.M. A 591/A 591M	Steel Sheet, Zinc-Coated, for Light Coating Mass Applications
A.S.T.M. A 1003/A 1003M	Standard Specification for Sheet Steel, Carbon, Metallic and Non-Metallic Coated for Cold-Formed Framing Members
Federal Specifications	QQ-S-775E, Type 1, Class E (steel)

#### Non-Load Bearing Steel Framing Standards:

A.S.T.M. C 645	Standard Specification for: Non-Load Bearing Steel Studs, Runners (Track) and Rigid Furring Channels for Screw Application Of Gypsum Board
A.S.T.M. C 754	Standard Specification for: Installation of Steel Framing Members To Receive Screw-Attached Gypsum Panel Products (specific to Products)

#### Load Bearing Steel Framing Standards:

A.S.T.M. C 955	Standard Specification for: Load Bearing Steel Studs, Runners (Track) and Bracing or Bridging for Screw Application of Gypsum Board
A.S.T.M. C 1007	Standard Specification for Installation of Load Bearing (Transverse and Axial) Steel Studs and Related Accessories

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**Steel Construction Systems - Orlando, Florida is a Joint Venture of CEMEX / ArcelorMittal Company.**

Steel-Con manufactures -

- Cold Formed Steel Framing Components
  - Interior Drywall Studs, Track and Framing Accessories
  - Exterior Load Bearing Steel Studs and Track
- Metal Lath Products
  - 1.75, 2.5 and 3.4 Small Diamond Mesh, Self-Furring Dimple and V-Groove
  - 3.4 Hi Rib 3/8" Lath
- Cold Formed Steel Truss Systems
  - Steel Roof and Floor Trusses

**Steel-Con's** commitment is to provide quality products, exceptional customer service and superior value to the construction industry. State of the art production equipment coupled with computer-controlled systems, substantial raw material supply and the combined strengths of CEMEX and ArcelorMittal allow us to meet our commitment.

Should your construction plans either commercial or residential include steel, rest assured that Steel Construction Systems can provide products that meet or exceed local building code requirements. For more information, we welcome your call at 800-548-8499.

Sincerely,

*Dan Dry*

Dan Dry  
General Manager

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