

Structural Studs & Track

Industry standard nomenclature is used to identify MBA's products. The Steel Framing Industry Association has established standard designation codes for structural studs and track. In each case, the identification starts with the measurement of the width of the member, followed by a letter (S = stud and T = track) followed by the flange dimension. A hyphen is used to separate all of this from the thickness of the metal.

Member Depth:

(Example: 6" = 600 x 1/100 inches)

All member depths are taken in 1/100 inches. For all "T" sections member depth is the inside to inside dimension.

Flange Width:

(Example: 1 5/8" = 1.625" = 162 x 1/100 inches)

All flange widths are taken in 1/100 inches.



Style:

(Example: Stud or Joist Section = S)

Relevant alpha characters utilized by the designation system are:

S = Stud or Joist Sections

T = Track Sections

Material Thickness:

(Example: 0.054" = 54 mils; 1 mil = 1/1000 in.)

Material thickness is the minimum base metal thickness in mils. Minimum base metal thickness represents 95% of the design thickness.

Steel Thickness

Mils	Gauge	Thickness (in)	
		Design	Minimum ¹
33	20	0.0346	0.0329
43	18	0.0451	0.0428
54	16	0.0566	0.0538
68	14	0.0713	0.0677
97	12	0.1017	0.0966
118	10	0.1242	0.1180

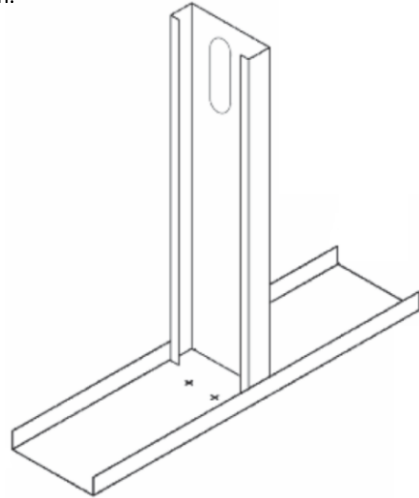
¹ Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site based on Section A3.4 of the 1996 AISI Specification.

Design Stiffening Lip Length

Section	Flange Width	Design Stiffening Lip Length (in)
S137	1-3/8"	0.375
S162	1-5/8"	0.500
S200	2"	0.625
S250	2-1/2"	0.625
S300	3"	1.000
S350	3-1/2"	1.000

Structural Stud Punchouts

Punchouts for structural studs are ovals. These punchouts begin 12" from the lead end and are spaced at 24" o.c. intervals. The last punchout is 12" minimum from the trailing end of the stud. Care should be taken during installation to be sure the studs are oriented in the same direction to facilitate plumbing and electrical installation.



General Notes

- Physical properties and load tables have been calculated in conformance with the 2001 NASPEC for the Design of Cold-Formed Steel Structural Members, including the 2004 Supplement, and the IBC 2006, unless noted otherwise.
- All structural framing members have a protective coating conforming to ASTM C 955.
- Reference ASTM specification A 1003/A 1003 M table 1 for the universe of allowable coatings for light gauge steel framing.
- Stud/joists are manufactured to custom lengths. Stud/joists are manufactured with punched webs unless otherwise specified at time of order.
- Track is produced in standard lengths of 10 feet unless a custom track length is indicated. Track is manufactured with unpunched webs.
- Structural framing members are marked with product information per the requirements of ASTM C 955 section 12.
- All delivered material must be kept dry, preferably by being stored inside a building under a roof. If it is necessary to store material outside, it must be stacked off the ground, properly supported on a level platform, and fully protected from the weather. Reference ASTM C 754 section 8 and ASTM C 1007 section 4.

LEED Green Building Credits

MR Credit 2: Construction Waste Management – MBA steel framing is 100% recyclable.

MR Credit 4: Recycled Content – MBA steel framing is formed from no less than 25.5% post-consumer and 6.8% pre-consumer recycled content.

MR Credit 5: Regional Materials – MBA has manufacturing facilities in multiple states.

