

PRODUCT IDENTIFICATION

All SSMA products have a four part identification code which identifies the size (both depth and flange width), style, and material thickness of each member.

EXAMPLE:

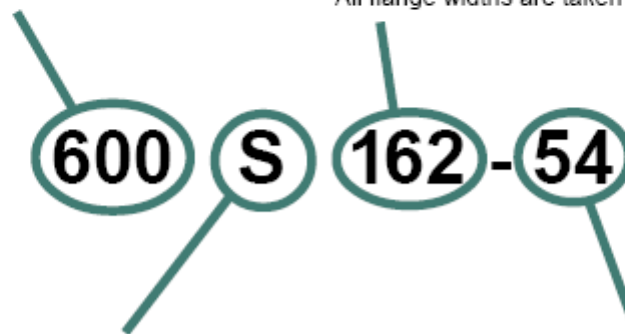
MEMBER DEPTH:

(Example: 6" = 600 × 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 × 1/100 inches)
 All flange widths are taken in 1/100 inches.



STYLE:

(Example: Stud or Joist section = S)

The four alpha characters utilized by the designator system are:

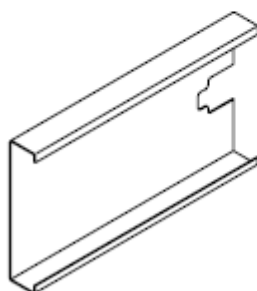
- S = Stud or Joist Sections
- T = Track Sections
- U = Channel Sections
- F = Furring Channel Sections

MATERIAL THICKNESS:

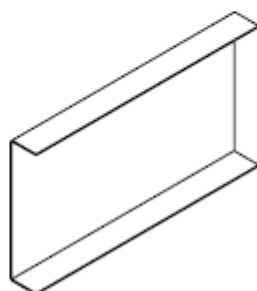
(Example: 0.054 in. = 54 mils;
 1 mil = 1/1000 in.)

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

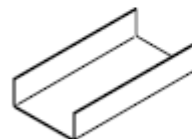
Note: For those sections where two different yield strengths (33 ksi and 50 ksi) are shown, the yield strength used in the design, if greater than 33 ksi, needs to be identified on the design and ordering of steel. (i.e., 600S162-54 (50 ksi))



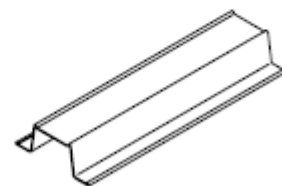
**C-STUD / JOIST
 S-SECTIONS**



**TRACK
 T-SECTIONS**



**CHANNEL
 U-SECTIONS**

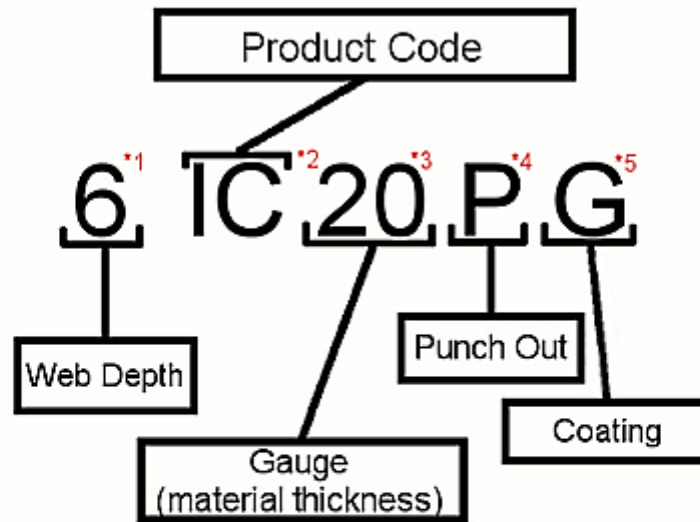


**FURRING CHANNEL
 F-SECTIONS**



SSMA™

Understanding Consolidated Fabricators Product Codes



1. Web depth in inches.
2. Consolidated Fabricators Corp. product designation for flange (IC = 1-1/4").
3. Gauge size (design thickness = 1/1000 inch).
4. Pun out (P = Punched, U = Unpunched, & K = Kwik Bridge).
5. Coating (G = Galvanized, P = Painted).

Product Code	Name	Flange/Leg
STUDS		
IC-25 ga	Drywall Stud	1 1/4"
IC-20 ga	Drywall Stud	1 1/4"
SC		
CC	Econo C-Stud	1 3/8"
XC	Full C-Stud	1 5/8"
EJ		2"
MJ		2 1/2"
WJ		3" +
CHANNEL STUDS		
EU		1"
IU		1 1/4"
SU	Wide Flange Stud	1 3/8"
TRACK		
ST		1"
MT	Standard Leg Track	1 1/4"
HMT	25ga ONLY	1 1/4"
WT	Deep Leg Track	1 1/2"
DT		2" +
JR	J-Runner, J-Track	
WT-Slip DT-Slip	Slip Track, Bottom Track, Nested Track	1 1/2" 2" +
DT-Slotted Slip	Slotted, SST	2 1/2"
MT-Notched	Notched Track	1 1/4" Leg

CERTIFICATION OF MATERIAL

This certifies that the steel framing products produced by Consolidated Fabricators Corp. are manufactured in accordance with standards outlined in the Steel Stud Manufacturers Association ICC ESR 3064P or IAPMO ER-0313 and all applicable ASTMs.

CODE APPROVALS:

SSMA ICC ESR 3064P
Supreme Framing IAPMO ER-0313

MATERIAL SPECIFICATIONS:

Interior Non-load Bearing Partition Metal

SSMA - Drywall Studs (IC-1-1/4" flange) Track (MT 1-1/4" leg), (WT 1-1/2" leg), (DT 2" leg)

Depth	Mil Thickness	ASTM	
1-5/8" - 6"	18 (25 ga)	Production:	ASTM C645
	27 (22 ga)	Galv. Coating:	ASTM A924 C (G-40)
	30 (20ga DW)	Steel Grade:	ASTM A653 33 (formerly ASTM A-446)
	33 (20 ga)		

Supreme Studs & Track

Mils (Min. Thickness)	Yield Strength	Available Coating Thickness
D25 (0.0147)	57 ksi	G-40
D20 (0.0179)	57 ksi	G-40
30EQD (0.0223)	57 ksi	G-40
33EQD (0.0223)	57 ksi	G-60
33EQS (0.0280)	57 ksi	G-60, G-90
43EQS (0.0380)	57 ksi	G-60, G-90

Structural Metal

Studs:	CC (1-3/8" flange)	Track:	ST (1" leg)
	XC (1-5/8" flange)		MT (1-1/4" leg)
	EJ (2" flange)		WT (1-1/2" leg)
	MJ (2-1/2" flange)		DT (2" - 3" leg)
	WJ (3" - 3-1/2" flange)		

Depth	Mil Thickness	ASTM	
	33 (20 ga)	Production:	ASTM C645
1-5/8" - 12"	43 (18 ga)	Galv. Coating:	ASTM A924 (G-60) or (G-90 if specified)
	54 (16 ga)	Steel Grade:	
	68 (14 ga)	Galvanized - ASTM A653 - 33 (formerly ASTM A-446)	
	97 (12 ga)		
	118 (10 ga)		

Angle Metal

Depth	Mil Thickness	ASTM	
1-1/2" x 1-1/2"	18 (25)	Galv. Coating:	ASTM A924
2" x 2"	33 (20 ga)	Steel Grade:	
3" x 3"	43 (18 ga)	Galvanized - ASTM A653 - 33 (formerly ASTM A-446)	
	54 (16 ga)	ASTM A924 (G-60) or (G-90 if specified)	

Cold Rolled Channel

Depth	Mil Thickness	ASTM	
3/4", 1-1/2", 2"	54 (16 ga)	Galv. Coating:	ASTM A924
		Steel Grade:	
		Galvanized	ASTM A653 - 33 (formerly ASTM A-446)

Consolidated Fabricators Corp. is a member in good standing of the Steel Stud Manufacturer's Association (SSMA)

NOTE: For additional technical information on structural properties and span tables, please refer to the SSMA catalog and ICC ESR-3064P and the SSFSA catalog and IAPMO ER-0313.

LEED® Certification Information

Manufacturer:	Consolidated Fabricators Corp.	
Material Name:	Light Gauge Steel Framing	
Location of Manufacturer:	Southern California	Northern California
	8584 Mulberry Ave.	650 Live Oak Ave.
	Fontana, CA 92335	Galt, CA 95632
	Phone: (909)770-8920	Phone: (209)744-2704
	Fax: (909)770-8938	Fax: (209)744-2716
Recycled Content:	25 - 30% Recycled Steel Content	
	25.5% post-Consumer (approx)	
	6.8% post-Industrial (approx)	

Cold Formed Steel Framing products - 4 possible points

LEED® Credit MR 2.1 & 2.2 Construction Waste Management: *Divert from Disposal (Up to 2 pts)*

Consolidated Fabricators Corp. products are manufactured from cold-formed steel, which is 100% recyclable. This feature will help when redirecting waste or debris from the waste stream. Recycling construction waste contributes to LEED Credits MR 2.1 and 2.2. The precise contribution varies by project and must be determined by the contractor.

LEED® Credit MR 4 Recycled Content: *(Up to 2 pts)*

Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

MR Credit 4.1 (1 pt)

"Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10% of the total value of the materials in the project."

MR Credit 4.2 (1 pt)

"Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 20% of the total value of the materials in the project."

LEED® Credit MR 5 Local/Regional Materials

Consolidated Fabricators Corp. serves the Western United States through its primary locations in Fontana and Galt, California.

LEED® Credit MR 5 requires the jobsite to be within a 500 mile radius of the manufacturing plant and from the point of extraction of raw materials. We purchase our steel coils from various sources all over the world, including the two West Coast mills (CSI in Fontana and USS Posco in Pittsburg, CA).

Note: Consolidated Fabricators Corp steel framing products are in compliance with the Requirement for Environmental and Recycled Content Materials. The LEED® program certifies buildings that meet standards utilizing energy, environmental design and products as defined by the LEED® rating system. The use of products manufactured by Consolidated Fabricators Corp may help contribute points in specific categories.



California Steel Industries

Effective Date: September 26, 2007

GALVANIZED CARBON AND HIGH STRENGTH -LOW ALLOY STEEL (HOT DIPPED)

Material Safety Data Sheet

For Emergency Call:
 California Steel Industries, Inc. (909) 350-6296

CHEMICAL PRODUCTS AND COMPANY IDENTIFICATION

Product Name: Galvanized Carbon and High Strength - Low Alloy Steel (Hot Dipped)
CAS Number: 65997-19-5
Chemical Name: Galvanized Steel **Chemical Family:** Carbon Steel Alloy
Company Identification:
 Manufacturer's Name: California Steel Industries, Inc.
 Address: 14000 San Bernardino Ave., Fontana, California 92335
 Telephone - General Information: (909) 350-6284

COMPOSITION/INFORMATION ON INGREDIENTS HAZARDS IDENTIFICATION

Components (Base metal & Residuals)	Typical Weight Percentage	CAS Number
Iron	>97	7439-89-6
Manganese	0.10-1.25	7439-96-5
Silicon	0.35 max	7440-21-3
Carbon	0.30 max	7440-44-0
Copper	0.35 max	7440-50-8
Nickel	0.10 max	7440-02-0
Chromium	0.10 max	7440-47-3
Aluminum	0.08 max	7429-90-5
Molybdenum	0.05 max	7439-98-7
Columbium	0.050 max	7440-03-1
Sulfur	0.025 max	7704-03-1
Phosphorus	0.025 max	7723-14-0
Tin	0.020 max	7440-31-5
Nitrogen	0.012 max	7727-37-9
Vanadium	0.08 max	7440-62-2
Titanium	0.080 max	7440-32-6

Components (Coating Materials)	Typical Weight Percentage	CAS Number
Zinc	>99	7440-66-6
Aluminum	0.20-0.50	7429-90-5
Lead	0.015-0.025	7439-92-1

Note: The MSDS information contained in this Submittal Package is limited. For the full MSDS documentation please visit the Consolidated Fabricators Corp. documentation page at: <http://confabbpd.com/downloads>.