

Product Name: 600CTSTUD20 **AISI Nomenclature:** n/a
Product Category: Nonstructural Metal Stud Framing: Specification Section 09 22 16
Product Desc: 6 inch deep 20 CT Shaft wall stud; Includes cavity for 1 inch gypsum liner panel with tabs at 18 inch o.c. Has 1 inch diameter punchouts for wiring.
Available Coatings: G40 (standard); G60, or G90.
Thickness: Design = 0.0346 inch • Minimum = 0.0329600 inch • Mil = 33 mils • Gauge = 20
Flange width: 1-3/8 inch (front flange) • 1-5/8 inch (back flange) • Web Depth: 6 inch • Lip length: 1/4 inch

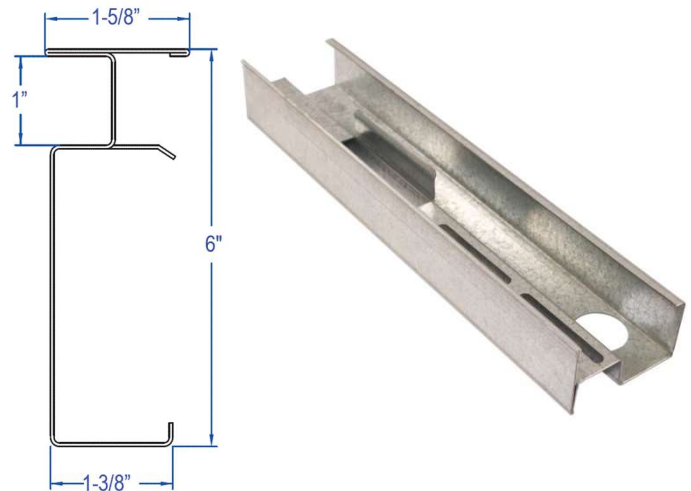
SECTION PROPERTIES

Gross Section Properties:

Cross Section Area (**A**): 0.333 in²
 Member Weight: 1.26 pounds per foot
 Moment of Inertia, strong axis (**I_x**): 1.759 in⁴
 Section Modulus "C" flange (**S_{xc}**): 0.5430 in³
 Section Modulus "T" flange (**S_{xt}**): 0.6370 in³

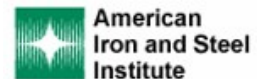
CODES & STANDARDS

Super Stud products comply with the applicable provisions of the following:
 International Building Code (IBC) 2006 - 2015
 Sheet Steel: ASTM A1003 & ASTM A653
 Galvanized Coating: ASTM A653
 Members & Tolerances: ASTM C645
 Meets ASTM C754 when installed properly in structure



COMPOSITE LIMITING HEIGHTS (feet – inches)

	Deflection Limit	Uniform Load in pounds per square foot (psf,) limiting heights in feet – inches ¹ .							
		1-hour assemblies				2- and 3-hour assemblies			
		5 psf	7.5 psf	10 psf	15 psf	5 psf	7.5 psf	10 psf	15 psf
600CTSTUD20	L/120	27' 4"	23' 11"	21' 8"	19' 0"	30' 0"	26' 2"	23' 7"	19' 3"
	L/180	23' 11"	21' 11"	19' 0"	16' 7"	26' 2"	22' 11"	20' 9"	18' 2"
	L/240	21' 8"	19' 0"	17' 3"	15' 1"	23' 9"	20' 9"	18' 11"	16' 6"
	L/360	19' 0"	16' 7"	15' 1"	13' 2"	20' 9"	18' 2"	16' 6"	14' 5"



¹ Limiting heights are based on Warnock Hersey test reference WHI-495-TRL-0206/0225, issued August 4, 1995. Values based on deflection limits with adjustment to conform to a minimum safety factor of 1.5 for ultimate ending strength and end reaction.

The Super Stud Building Products Family of Companies

