

# ClarkDietrich's Sample SubmittalPro Product Submittal Sheet

Architectural specification category.  
Using new 2004 CSI Masterformat

Old 95	New 2004	Description
(05400)	05.40.00	Cold-Formed Metal Framing
(09110)	09.22.16	Non-Structural Metal Framing
(09205)	09.22.13	Metal Furring
	09.22.36	Metal Lath

Product standard identifier name



## Product Submittal Sheet

Tech Support: 888-437-3244  
Engineering Services: 877-832-3206

Sales: 800-543-7140  
clarkdietrich.com

**Product category:** S162 (1-5/8" flange structural stud)  
**Product name:** 600S162-54 (33ksi, G60) - Punched  
54mils (16ga) Finish: G60  
Color coding: Green

### Geometric Properties

Web depth	6.000 in	Inside corner radius	0.0849 in
Flange width	1.625 in	Punchout width	1.500 in
Stiffening lip	0.500 in	Punchout length	4.000 in
Design thickness	0.0566 in	Min. steel thickness	0.0538 in
Yield strength, Fy	33 ksi	Fy with Cold-Work, Fya	37.1 ksi
Ultimate, Fu	45 ksi		

### Gross Section Properties of Full Section, Strong Axis

Cross sectional area (A)	0.556 in <sup>2</sup>
Member weight per foot of length	1.89 lb/ft
Moment of inertia (Ix)	2.860 in <sup>4</sup>
Section modulus (Sx)	0.953 in <sup>3</sup>
Radius of gyration (Rx)	2.267 in
Gross moment of inertia (Iy)	0.180 in <sup>4</sup>
Gross radius of gyration (Ry)	0.570 in

### Effective Section Properties, Strong Axis

Moment of inertia for deflection (Ix)	2.860 in <sup>4</sup>
Section modulus (Sx)	0.953 in <sup>3</sup>
Allowable bending moment (Ma)	21.17 in-k
Allowable shear force in web (Unpunched)	2739 lb
Allowable shear force in web (Punched)	1890 lb

### Torsional Properties

St. Venant torsion constant (J x 1000)	0.594 in <sup>4</sup>
Warping constant (Cw)	1.337 in <sup>6</sup>
Distance from shear center to neutral axis (Xo)	-1.049 in
Distance between shear center and web centerline (m)	0.663 in
Radii of gyration (Ro)	2.562 in
Torsional flexural constant (Beta)	0.832

### ASTM & Code Standards:

- AISI North American Specification [NASPEC] 2001 w/ 2004 Supplement
- \* Effective properties incorporate the strength increase from the cold work of forming
- Gross properties are based on the full-unreduced cross section, away from the punchouts
- Structural framing is produced to meet or exceed ASTM C955, A653 and A1003
- Galvanized sheet steel meets or exceeds requirements of ASTM A924
- ClarkDietrich's structural and nonstructural framing comply with the SFIA Code Compliance Certification Program and ICC-ES Evaluation Reports ESR-2457 or ESR-1166P
- For installation & storage information refer to ASTM C1007
- MSDS & Product Certification Information is available at [www.clarkdietrich.com](http://www.clarkdietrich.com)

### GREEN Benefits and Recycled Content:

**LEED Credit MR 2** - ClarkDietrich products are manufactured from cold-formed steel. Steel is 100% recyclable, which helps divert debris from the waste stream. The contribution to LEED must be calculated by the contractor based on weight or volume.  
**LEED Credit MR 4** - ClarkDietrich's steel products have a minimum of 25.5% post-consumer recycled content, and 6.8% pre-consumer. If you wish to report a higher number for your project or seek Credit MR 5 please contact Tech Support at 888-437-3244 or visit [www.clarkdietrich.com](http://www.clarkdietrich.com).

### Project Information

Name:  
Address:

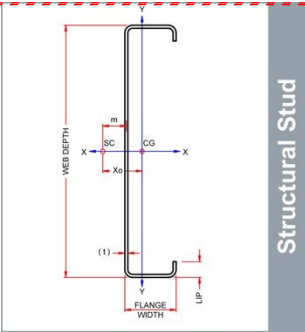
### Contractor Information

Name:  
Contact:  
Phone:  
Fax:

### Architect Information

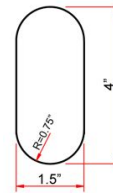
Name:  
Contact:  
Phone:  
Fax:

### 05.40.00 (Cold-Formed Metal Framing)



### Used in framing applications:

- Load-bearing walls
- Curtain walls
- Tall interior walls
- Floor & ceiling joists
- Trusses



### Structural Punchout

East market punchout spacing:  
12" from lead end then 24" o.c.

West market punchout spacing:  
24" from lead end then 24" o.c.

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Product profile information

Product weight per linear foot

Product profile drawing

Product Compliance Information

Design information

Profile & Steel ASTM's  
Galvanization ASTM's

ICC reports  
Installation information  
MSDS reports

Product LEED's information

Project Contact Information  
Hand written or automatically printed from the submittal system

Report dates showing when the product data sheet was last updated