Product Submittal Sheet

05.40.00 (Cold-Formed Metal Framing)

Web depth 3.823 in
Leg width 1.25 in
Design thickness 0.0566 in
Yield strength, Fy 50 ksi
Ultimate, Fu 65.0 ksi

Coating: CP60 per ASTM C955
Color coding: Green

Geometric Properties

Web depth 3.823 in
Leg width 1.25 in
Design thickness 0.0566 in
Min. steel thickness 0.0538 in
Yield strength, Fy 50 ksi
Ultimate, Fu 65.0 ksi

Coating: CP60 per ASTM C955
Color coding: Green

Effective Section Properties, Strong Axis

Effective Area (Ae) 0.225 in²
Moment of inertia for deflection (Ix) 0.678 in⁴
Section modulus (Sx) 0.312 in³
Allowable bending moment (Ma) 9.34 in-k
Allowable shear force in web 3372 lb

Torsional Properties

St. Venant torsion constant (J x 1000) 0.369 in⁴
Warping constant (Cw) 0.123 in⁶
Distance from shear center to neutral axis (Xo) -0.648 in
Distance between shear center and web centerline (m) 0.404 in
Radii of gyration (Ro) 1.627 in
Torsional flexural constant (Beta) 0.841

ASTM & Code Standards:

• AISI North American Specification [NASPEC] S100-12
• * Effective properties incorporate the strength increase from the cold work of forming
• Gross properties are based on the cross section away from the punchouts
• Structural framing is produced to meet or exceed ASTM C955
• Sheet steel meets or exceeds mechanical and chemical requirements of ASTM A1003
• ClarkDietrich's structural and nonstructural framing comply with the SFIA Code Compliance Certification Program, ICC-ES ESR-1166P and Intertek CCRR-0206
• For installation & storage information refer to ASTM C1007
• SDS & Product Certification Information is available at itools.clarkdietrich.com

Sustainability Credits:
For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED

LEED v4 MR Credit -- Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).

LEED 2009 Credit MR 2 & MR 4 -- ClarkDietrich's steel products are 100% recyclable and have a national average recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at (info@clarkdietrich.com / 888-437-3244)

Project Information
Name:
Address:

Contractor Information
Name:
Contact:
Phone:
Fax:

Architect Information
Name:
Contact:
Phone:
Fax:

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