PRODUCT SUBMITTAL SHEET

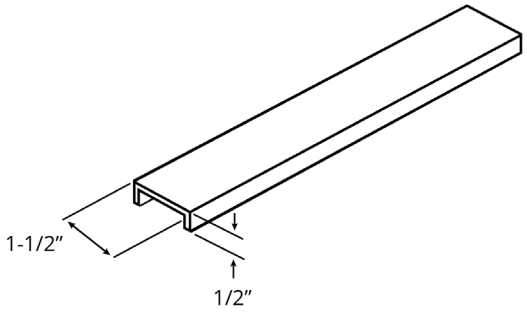
For more information or questions, please contact:
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2-1/2” Cold-Rolled Channel (250U050-54)

54mil (16ga) 50ksi

- **Specification Section:** 05.40.00 (Cold-Formed Metal Framing)
- **Coating:** G60 (G90 available)

Product Description: Cold Rolled Channel (CRC) is a cold-formed galvanized steel framing component used as a lateral bracing and support member in cold-formed steel framing systems. CRC is commonly installed through stud punchouts, attached to clips, or used in miscellaneous framing applications where alignment, reinforcement, and load distribution are required.



Geometric Properties			
Depth:	2.500 in.	Yield Strengh, Fy	50ksi
Leg Width:	0.500 in.	Design Thickness	0.0566
		Min. Steel Thickness	0.0538

Gross Properties	
Total cross-sectional steel area	0.186 in^2
Linear weight per foot	0.633 lb/ft
Moment of inertia about the x-axis (Ix)	0.140 in^4
Radius of gyration about the x-axis (Rx)	0.868 in
Moment of inertia about the y-axis (Iy)	0.003 in^4
Radius of gyration about the y-axis (Ry)	0.130 in

Effective Properties	
Effective moment of inertia (x-axis) (Ix)	0.140 in
Effective section modulus (x-axis) (Sx)	0.112 in^3
Allowable bending moment-effective section modulus (Ma)	2.648 in-k
Allowable shear force in web (Va)	1553 lb

Codes & Standards:

- **Structural Members**
  - ASTM C955
  - AISI S240
  - Installed per ASTM C1007
- **Nonstructural Members**
  - AISI S220
  - ASTM C645
  - ASTM C754
- **Material Standards**
  - ASTM A1003/A1003M
  - ASTM A653/A653M
- **Design Standards**
  - AISI S100-16 (2020) w/S2-20
  - AISI S202
- **Building Codes**
  - International Building Code (IBC) 2006–2024
- **Sustainability & Compliance:**
  - SFIA Quality Certified Manufacturing
  - Industry-Wide EPD Participant
  - HPD Documentation Available Upon Request
  - LEED Documentation Available Upon Request
  - Buy America / Build America (BABA) Documentation Available Upon Request
  - Manufactured in USA

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