



Expanding Your Solutions

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## ANGLE — 3" x 3" x 97 mil.

### Geometric Properties

3" x 3" 97-mil Angle is fabricated from hot-dipped galvanized steel in standard G60 coating. A G90 coating is available upon special request and may require extended lead time and up-charges.

### Properties: 3" x 3" x 97 mil.

| Product Code | Thickness (T)         |                        | Yield (ksi) | X (in) | Y (in) |
|--------------|-----------------------|------------------------|-------------|--------|--------|
|              | Design Thickness (in) | Minimum Thickness (in) |             |        |        |
| 12A33        | 0.1017                | 0.0966                 | 50          | 3      | 3      |

#### Notes:

1. Uncoated steel thickness. Thickness is for carbon sheet steel.
2. Minimum thickness represents 95% of the design thickness and is the minimum acceptable thickness.

### Color Code (painted on ends):

97-mil: Red

### ASTM & Code Standards:

- ASTM A653/653M, A924/A924M, A1003/A1003M, C754, C954
- IBC: 2015, 2018, 2021
- CBC: 2016, 2019, 2022
- AISI: S100, S200, S240

### LEED v4.1 – BD & C: Building Design and Construction – Materials and Resources

#### Building Life Cycle Impact Reduction (up to 4 points)

- Option 3: Building and Material Reuse
- 2 points for 25% reuse, 3 points for 50% reuse, 4 points for 75% reuse

#### Building Product Disclosure and Optimization – Environmental Product Declarations (up to 2 points)

- Option 1: Environmental Product Declaration (EPD)
- Option 2: Industry-wide EPD for cold-formed steel

#### Building Product Disclosure and Optimization – Sourcing of Raw Materials (up to 2 points)

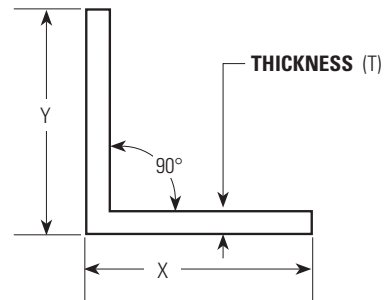
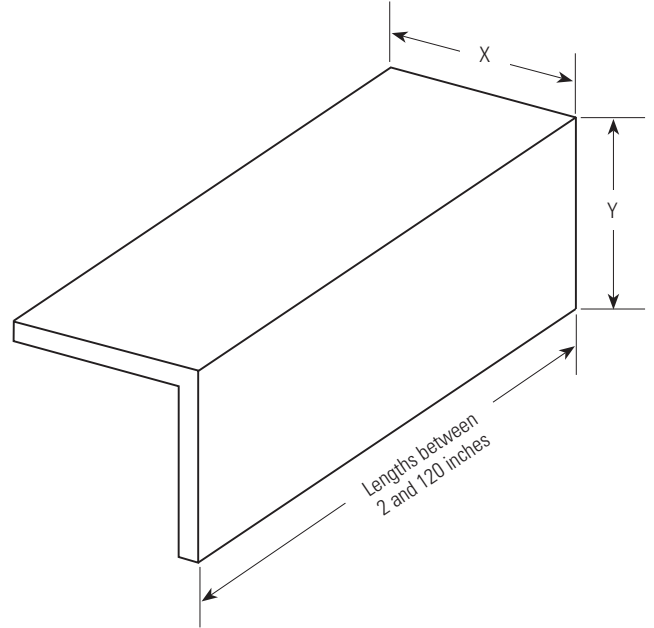
- Option 1: Leadership Extraction Practices
- Option 2: Points based on recycled content of CFS products
- Construction and Demolition Waste Management (up to 2 points)
- 1 point for 50% waste diversion, 2 points for 75% waste diversion

### CEMCO Cold-Formed Steel Framing Products Contain 30% to 37% Recycled Steel

- Total Recycled Content: 36.9%, Post-Consumer: 19.8%, Pre-Consumer: 14.4%

### Can Be Used In:

- Framing Connections
- Corner Intersections
- Half-track Connections
- Truss Uplift



### Technical Services

Technical Services: 800.416.2278  
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This technical information reflects the most current information available and supersedes any and all previous publications effective January 09, 2025.

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