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Super Stud Building Products - Product Submittal

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Utility Angle

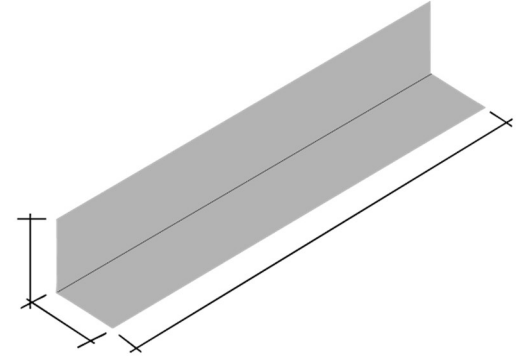
Specification Section: 09.22.16 (Non-Structural Metal Framing)

Specification Section: 05.40.00 (Cold-Formed Metal Framing)

Super Stud Building Products CFS accessories

System Properties:

Utility angles are installed at corner conditions to provide continuous support for board products. Other applications include bracing, bridging, flange restraint, blocking, support for accessories, and support for sheathing or finishes. Note that Utility Angles are typically NOT punched or drilled: Custom made Clip Angles of specified length are also available from Super Stud.



Galvanized Coating:

Super Stud structural framing components are zinc coated (galvanized) in accordance with ASTM A653 and ASTM A1003. Our standard ASTM A1003 G40 coating is available for thicknesses up to 30 mils. For 33 mil and heavier thicknesses, standard coating is ASTM A1003 conforming G60. Super Stud can also fulfill requests for G-90 coatings which provide 50 percent more zinc protection.

NOTE: Hemmed legs provided with 25 GA material. Although equal legs are shown, longer, shorter, and unequal leg angles are available upon request. Lengths are typically 10 feet, although other lengths are also available upon request. This submittal sheet covers all configurations of leg length and member length.

Design and Min Steel Thickness:

Material - Nonstructural

- DW 25 GA = 18 mil | Min: 0.0179" Design: 0.0188" G40 Coated
- DW 20 GA = 30 mil | Min: 0.0296" Design: 0.0312" G40 Coated

Material - Structural

- 20 GA = 33 mil | Min: 0.0329" Design: 0.0346" 33 KSI G60 Coated (G90 available)
- 18 GA = 43 mil | Min: 0.0428" Design: 0.0451" 33 KSI G60 Coated (G90 available)
- 16 GA = 54 mil | Min: 0.0538" Design: 0.0566" 50 KSI G60 Coated (G90 available)
- 14 GA = 68 mil | Min: 0.0677" Design: 0.0713" 50 KSI G60 Coated (G90 available)
- 12 GA = 97 mil | Min: 0.0966" Design: 0.1017" 50 KSI G60 Coated (G90 available)
- 10 GA = 118 mil | Min: 0.1180" Design: 0.1242" 50 KSI G60 Coated (G90 available)

Product Description:

Utility angles are typically available in 10' lengths with 2" legs, but any leg length can be made. Only 2" x 2" x 25 gauge is hemmed; other sizes have flat legs (no hem). Angle bend is typically 90 degrees; custom bends and configurations are available on request.

Codes and Standards

Super Stud products comply with the applicable provisions of the following:
International Building Code (IBC): 2006 – 2024

Sheet steel: ASTM A1003/A1003M;
ASTM A653/A653M

Galvanized coating: ASTM A653/A653M
Members and tolerances: ASTM C955;
AISI S240, AISI S201, AISI S202
Meets ASTM C1007 when installed properly in structure.
Meets ASTM C645

Dimensions:

Super Stud can manufacture utility angles to any dimension. Please call our Customer Service at 732-662-6200 for details.



CFSEI
COLD-FORMED STEEL
ENGINEERS INSTITUTE



Sustainability

For LEED letters contact Technical Services at technical@buysuperstud.com or visit <https://www.buysuperstud.com/specs-resources/sustainability-and-green-building>

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