

## Framing Angles

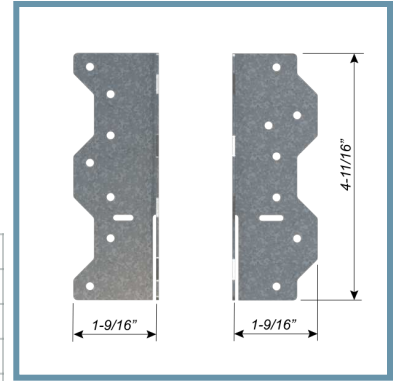
### CDFA1

CDFA1 framing angles provide the builder with the industry's most versatile framing angle including:

- Prongs – permit faster and easier installation.
- Bending slots – make accurate bends for all 2- and 3-way anchoring ties on the job.

### Product Data & Ordering Information:

<b>Material</b>	Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)
<b>Coating</b>	G90 (Z275) hot-dipped galvanized coating (G185 available)
<b>Thickness</b>	18ga (43mil), 0.0451" Design thickness, 0.0428" Minimum thickness
<b>Dimensions</b>	1-9/16" x 4-11/16"
<b>Packaging</b>	100 pcs/ctn
<b>Product weight</b>	0.13 lbs/ea



Product Code	Gauge	Qty	Dimensions (in)			Fastener Scheduling			Allowable Load				
			W	L1	L2	Type	Joist Qty	Header Qty	Load Dir	C <sub>D=</sub> 1.00	C <sub>D=</sub> 1.15	C <sub>D=</sub> 1.25	C <sub>D=</sub> 1.60
										F <sub>1</sub>	F <sub>1</sub>	F <sub>1</sub>	F <sub>1</sub>
CDFA1	18	2	1-9/16	4-11/16	1-9/16	10d x 1-1/2	14	14	F <sub>1</sub>	1495	1495	1495	1495
CDFA1	18	1	1-9/16	4-11/16	1-9/16	10d x 1-1/2	7	7	F <sub>1</sub>	750	750	750	750

### Notes:

For SI Units: 1 inch = 25.4 mm, 1 pound (lb) = 4.45 N

1 The tabulated allowable loads have been adjusted for the load duration factors, C<sub>D</sub>, as shown, in accordance with the NDS. The tabulated allowable loads do not apply to loads of other load durations, and are not allowed to be adjusted for other load durations. See Sections 4.1 and 4.2 of ESR-5079 for additional design and installation requirements.

2 The tabulated allowable loads are for installations on wood members complying with Section 3.2.2 of the ESR-5079 report.

3 Refer to image for angle dimensions.

4 Refer to Section 3.2.3 of ESR-5079 for nail sizes and the required minimum physical properties.

5 Number of hangers required for the connections: "2" = one on each side of the joist. "1" = one on one side of the joist. If a single angle is installed on each end of a supported member, the angles must be installed on opposite sides of the supported member, or wood blocking must be installed to prevent rotation.

6 F<sub>1</sub> is the vertical load.



### Code Approvals & Performance Standards

- [ASTM A653](#) Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
- [ASTM A1003](#) Standard Specification for Steel Sheet, Carbon, Metallic- and Nonmetallic-Coated for Cold-Formed Framing Members
- [IBC 2021](#) International Building Code
- [IRC 2021](#) International Residential Code
- [ICC-ES ESR-5079](#) Evaluation report for clips, angles and hurricane ties
- [SDS For ASTM A1003 Steel Framing Products](#) For Interior Framing, Exterior Framing and Clips/Accessories

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