

## Framing Angles

CDFA1 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.

### MATERIAL SPECIFICATIONS

**Gauge:** 18ga (43mil)

**Design Thickness:** 0.0451 inches

**Coating:** G90 (Z275) hot-dipped galvanized coating

**Yield Strength:** Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)

### PRODUCT DIMENSIONS

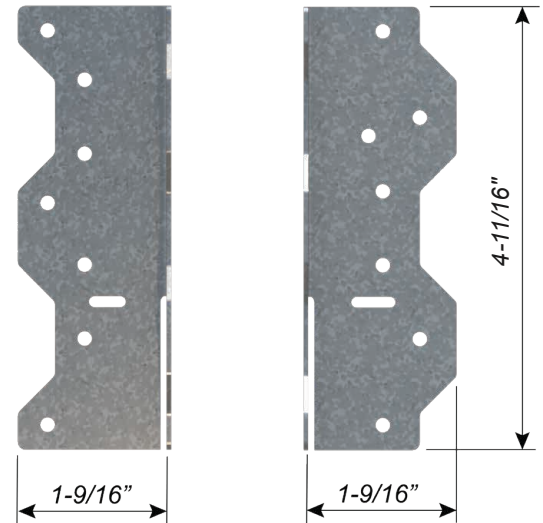
**Width (W):** 1-9/16"

**Height (H):** 4-11/16"

**Depth (D):** 1-9/16"

### CODE REPORT

- ICC-ES ESR-5079



## Framing Angles (CDFA1)

Product Code	Gauge	Qty <sup>5</sup>	Dimensions <sup>3</sup>			Fastener Scheduling			LOAD <sup>6</sup> DIR.	Allowable Load (lbf)			
			W	L1	L2	Type <sup>4</sup>	Joist Qty.	Header Qty.		C <sub>D</sub> = 1.00	C <sub>D</sub> = 1.15	C <sub>D</sub> = 1.25	C <sub>D</sub> = 1.60
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

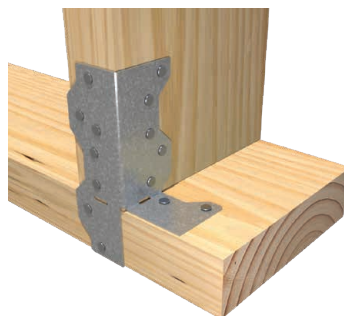
### Notes:

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.



CDFA1 Installation



CDFA1 Installation



CDFA1 Installation

CDFA2 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.

CDFA2 angles have been designed especially for use on 2x4, 2x3 and 3x4 framing.

**MATERIAL SPECIFICATIONS**

**Gauge:** 18ga (43mil)

**Design Thickness:** 0.0451 inches

**Coating:** G90 (Z275) hot-dipped galvanized coating

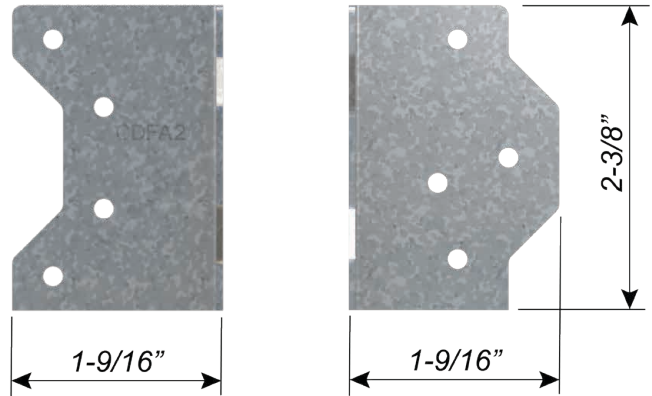
**Yield Strength:** Structural Grade 50 Type H (ST50H), 50ksi (340 MPa)

**PRODUCT DIMENSIONS**

**Width (W):** 1-9/16"

**Height (H):** 2-3/8"

**Depth (D):** 1-9/16"



CDFA2 Installation

**CODE REPORT**

- ICC-ES ESR-5079

Framing Angles (CDFA2)													
Product Code	Gauge	Qty <sup>5</sup>	Dimensions <sup>3</sup>			Fastener Scheduling			LOAD <sup>6</sup> DIR.	Allowable Load (lbf)			
			W	L1	L2	Type <sup>4</sup>	Joist Qty.	Header Qty.		C <sub>D</sub> = 1.00	C <sub>D</sub> = 1.15	C <sub>D</sub> = 1.25	C <sub>D</sub> = 1.60
CDFA2	18	2	1-9/16"	2-3/8"	1-9/16"	10d x 1-1/2	8	8	F <sub>1</sub>	800	800	800	800
CDFA2	18	1	1-9/16"	2-3/8"	1-9/16"	10d x 1-1/2	4	4	F <sub>1</sub>	400	400	400	400

**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.

