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**Submittal Sheet**  
**#189 L-Type Column Anchor**

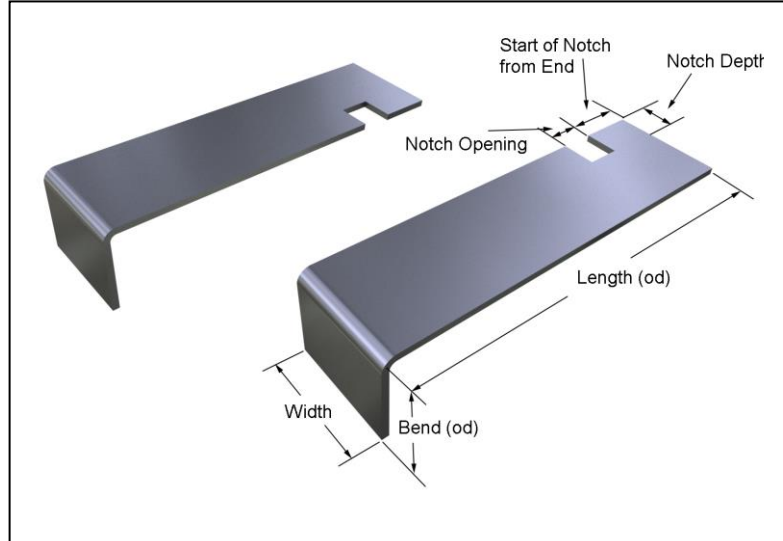
Standard Size is 1/8" x 2" wide x 7" Long + 1-1/2" Bend with a 5/8" x 1" notch starting 1" from top of anchor. Mill Galvanized Steel & Hotdip Galvanized After Fabrication.

Sold individually as 189-L or 189-R.

Custom fabrications available in 16ga, 14ga, 12ga, 1/8", 3/16", & 1/4" steel.

Specify Overall Length (i.d. to bend), Width, Bend Length (i.d.), size and location of notch. (1" minimum of steel recommended between end of anchor and beginning of the notch.)

Available in Mill Galv (1/8" & lighter), Hotdip Galvanized After Fabrication, and Stainless steel.



**Standard Special**  
**Standards:**

Thickness: 1/8" Width: 2" Overall Length: 7"  
 Finish:  Stainless type 304  Hot Dip Galvanized  
 Mill Galvanized  Zinc Alloy 710

**Specials:**

Thickness:  1/4"  3/16"  1/8" Width: \_\_\_\_\_  
 Length (od): \_\_\_\_\_ Bend Length (od): \_\_\_\_\_  
 Notch Opening: \_\_\_\_\_ Notch Depth: \_\_\_\_\_  
 Start of Notch to End: \_\_\_\_\_  
 Finish:  Stainless type 304  Hot Dip Galvanized  
 Mill Galvanized  Zinc Alloy 710 (1/8" & 16ga only)  
 Quantity: \_\_\_\_\_

**Material Specifications**

**Stainless Steel:** Sheet metal anchors and ties: ASTM A 167, ASTM A 666, ASTM A 240/A240M AISI Type 304. Wire ties and anchors: ASTM A 580 AISI Type 304 (AISI Type 316 available upon request)  
**Hotdip Galvanized:** ASTM A 153 Class B-2: (1.50 oz/ft<sup>2</sup>).(0.46kg/m<sup>2</sup>)  
**Mill Galvanized:** Sheet metal anchors and ties: ASTM A 653 G60 Wire: ASTM A 641 (0.1 oz/ft<sup>2</sup>)  
**Plain Carbon Steel:** ASTM A1008/A1008M Structural Steel ASTM A36/A36M-08 Wire: ASTM A 82/A82M Tensile Strengths 80,000 psi Yield Point 70,000 psi  
**Firewall Anchors:** Rolled Strip Zinc Alloy 710. (Firewall alloy 1/8" and 16 gage only)

TEST DATA	TENSION	COMPRESSION		SHEAR
		1" CAVITY	4" CAVITY	
R.E.E.L. Loads	2,697 lbs	9,863 lbs	6,373 lbs	1,030 lbs
deflection	.031 in.	.061 in.	.086 in.	.046 in.
R.E.M. Loads	3,242 lbs	9,863 lbs	6,373 lbs	1,584 lbs
deflection	.095 in.	.061 in.	.086 in.	.081 in.
Peak Loads	3,242 lbs	9,863 lbs	6,373 lbs	1,584 lbs
deflection	.095 in.	.061 in.	.086 in.	.081 in.

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