



## GALVANIZED STEEL CHANNEL POSTS FOR DELINATORS MGS 05-02A

**1.0 SCOPE.** This specification covers the requirements for galvanized steel delineator posts.

### **2.0 MATERIAL.**

**2.1 Steel.** The posts shall be manufactured from ductile ASTM A36 or ASTM A1011 Grade 60 steel.

**2.2 Coating.** The posts shall be galvanized after fabrication in accordance with the requirements of AASHTO M 111. The weight of zinc coating shall average not less than two (2) ounces per square foot of the surface coated, and no individual specimen shall show less than 1.8 ounces per square foot.

**2.2.1** Damaged coating shall be repaired in accordance with Specification Sec 1081.

### **2.3 Dimensions.**

**2.3.1 Length.** The posts shall be 7 feet in length or as specified in the bid request with a tolerance in length of plus or minus one inch.

**2.3.2 Weight Per Foot.** The weight per foot before punching or galvanizing shall be 1.12 pounds, plus or minus 0.05 pounds.

**2.3.3 Cross Section Dimensions.** The cross-section dimensions shall comply with the details shown on Drawing "A" of this specification.

**2.3.4 Hole Punching.** All holes shall be 3/8" in diameter, spaced along the center line of the web.

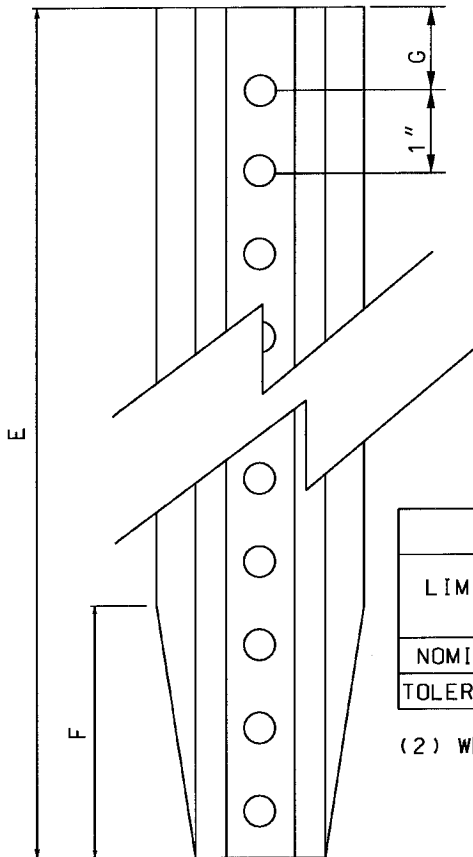
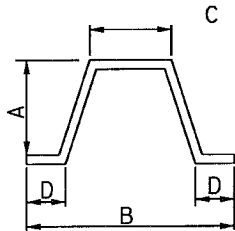
**3.0 CERTIFICATION.** The fabricator shall furnish to the engineer at destination a certification stating that the posts furnished comply with all requirements of this specification. The certification shall include or have attached specific results of tests of the mechanical and chemical properties of the steel conforming to Section 2.1 of this specification. A certification shall be submitted with the bid.

**4.0 INSPECTION.** The material will be inspected at the source or at destination as determined by the engineer.

**5.0 ACCEPTANCE.** Acceptance of posts furnished under this specification will be based on an acceptable certification and on inspection by the engineer.



# CHANNEL POST FOR DELINEATORS



HOLE PUNCHING TO EQUAL  $\frac{3}{8}$ " INCH DIAMETER HOLES, ONE INCH CENTER TO CENTER, BEGINNING ONE INCH FROM THE END AND CONTINUING THE ENTIRE LENGTH OF THE POST.

DELINEATOR POST								
LIMITS	LBS/FT (2)	DIMENSIONS - INCHES						
		A	B	C	D	E	F	G
NOMINAL	1.12	1	2-1/4	$\frac{7}{8}$	$\frac{3}{8}$	84	3	$\frac{1}{2}$
TOLERANCE	+/- 5%	+/- $\frac{1}{8}$	+/- $\frac{1}{8}$	+/- $\frac{1}{8}$	+/- $\frac{1}{8}$	+/- 1	+/- $\frac{1}{2}$	+/- $\frac{1}{4}$

(2) WEIGHT BEFORE GALVANIZING OR PUNCHING.

**STEEL:** The channel post for delineators shall be manufactured from ductile ASTM A 36 or ASTM A 1011 Gr 60 and as shown above. Posts shall be hot dipped galvanized after manufacture in accordance with Sec 1080 of Missouri Standard Specifications for Highway Construction, 2004. Damaged coating shall be repaired in accordance with Sec 1081.