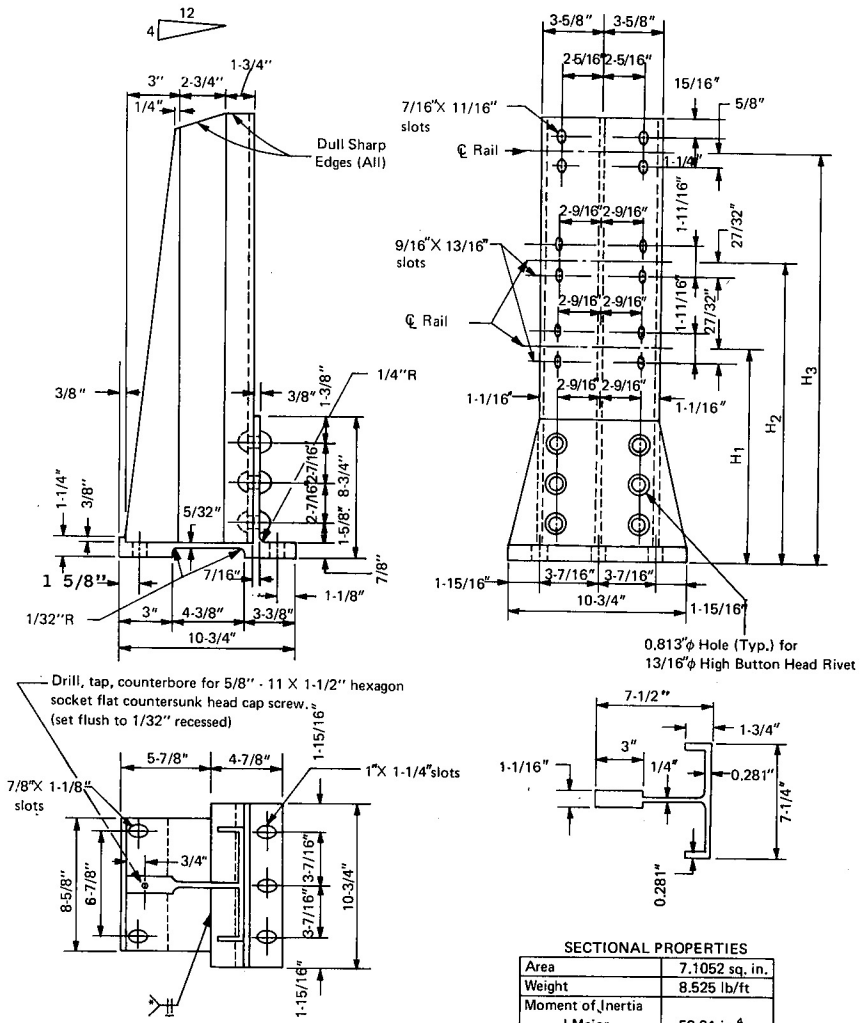

SECTIONAL PROPERTIES

Area	7.1052 sq. in.
Weight	8.525 lb/ft
Moment of Inertia	
I Major	52.81 in.^{4}
I Minor	19.26 in.^{4}
Section Modulus	
S Major	
max	16.50 in.^{3}
min	12.28 in.^{3}
S Minor	5.313 in.^{3}

*Weld in base not required if base is extruded in one piece.

SPECIFICATIONS

Extruded aluminum shapes shall conform to the requirements of A.S.T.M. B221, alloy 6061-T6 or 6351-T5 (minimum elongation 10%).

Cap screw shall meet the requirements of A.S.T.M. A276, Type 430 and the dimensional requirements of A.N.S.I. B18.3.

Rivet material shall meet the requirements of A.S.T.M. B316 or B221, alloy 6061-T6. Rivets shall have manufactured high button heads meeting the dimensional requirements of A.N.S.I. B18.4, shall have driven cone point heads, and shall meet the requirements of Section 6.5 of the Aluminum Association's Specifications for Aluminum Bridge and Other Highway Structures.

Post base may be made from a single extrusion. When the base is made from two extrusions it shall be welded in accordance with the requirements of Section 1.5.5 of the A.A.S.H.T.O. Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals.

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices.

INTENDED USE

This post is used to support rail elements in bridge railing design BR3A (Aluminum) Type D.

Height of post and rail mounting hole locations are not shown on drawing. Post height and rail mounting hole locations will be determined by designating the desired center of rail mounting heights (H_1, H_2, and H_3) above the bottom of post base. If H_1 = 12-1/2", H_2 = 25-1/8" and H_3 = 38" were used as center of rail heights for this barrier design, this would be shown as P-38[12-1/2" - 25-1/8" - 38"]-73.

BR3A (ALUMINUM) TYPE D FABRICATED POST

HM-TF-13

STANDARD

P-38 [DESIGNATE RAIL CENTER HEIGHTS] - 73