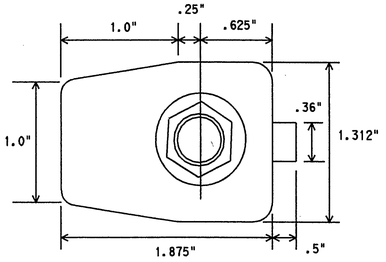
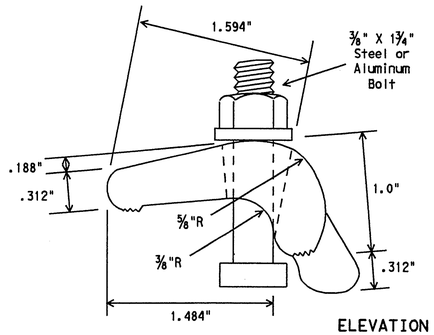


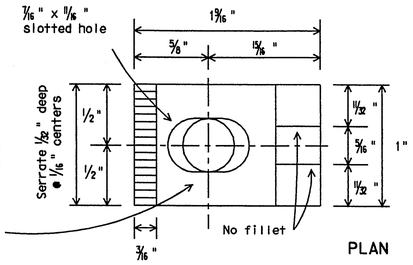
PLAN



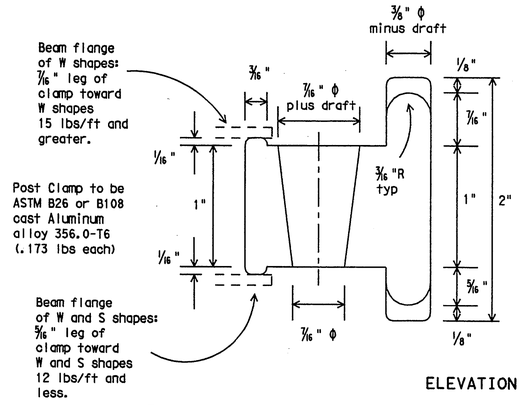
ELEVATION

ALTERNATE POST CLAMP DETAIL

NOTE: centerline of hole for 3/8" diameter squarehead bolt x 2 1/4" long with a flat washer and self-locking nut, or lock washer and hex. nut. Bolt head dimensions shall be in accordance with ANSI B 18.2.1 as referred to in the AISC Manual of steel construction. Bolt assembly shall be galvanized.

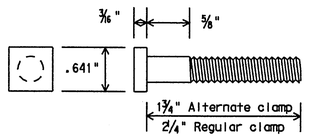


PLAN



ELEVATION

POST CLAMP DETAIL



POST CLAMP BOLT DETAIL

WIND BEAM TABLES

For sign widths not in whole foot increments, select next larger sign width from tables for maximum wind beam spacing.

Example: Sign Code = 120, Sign Width = 14'6" ⟶ select 15' Sign Width
Max. Wind Beam Spacing = 3'0"

CODE

SIGN TYPE 1 3 0
- 1 — Wind Design Zone
- 3 — Series No. (Zero Denotes Plywood) (1 Denotes Aluminmum)
- 0 — No. of Posts

ZONE 1 (Types 100)

	Two Posts (120)							Three Posts (130)									
Sign Width (W)	4' thru 12'	13'	14'	15'	16'	17'	18'	19'	20'	21'	22'	23'	24'	25'	26'	27'	28'
Max. Wind Beam Spacing	4'-0"	3'-8"	3'-4"	3'-0"	2'-8"	2'-4"	2'-0"	4'-0"		3'-9"	3'-6"	3'-3"	3'-0"	2'-9"	2'-6"	2'-3"	2'-0"

ZONE 2 (Types 200)

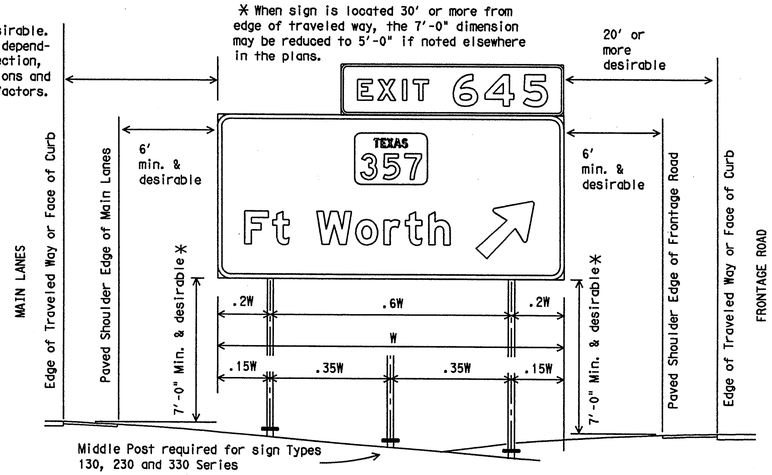
	Two Posts (220)			Three Posts (230)			
Sign Width (W)	4' thru 16'	17'	18'	19' thru 24'	25'	26'	27'	28'
Max. Wind Beam Spacing	4'-0"	3'-9"	3'-6"	4'-0"	3'-9"	3'-6"	3'-3"	3'-0"

ZONE 3 (Types 300)

	Two Posts (320)	Three Posts (330)
Sign Width (W)	4' thru 18'	19' thru 28'
Max. Wind Beam Spacing	4'-0"	4'-0"

30' or more desirable. May be reduced depending on cross section, viewing conditions and other related factors.

* When sign is located 30' or more from edge of traveled way, the 7'-0" dimension may be reduced to 5'-0" if noted elsewhere in the plans.



TYPICAL SIGN INSTALLATION AND LOCATION

LATERAL CLEARANCE NOTES:

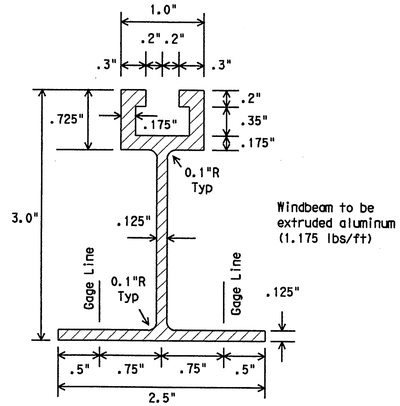
Lateral clearances of signs mounted on median side of main lanes are the same as shown above where space will permit.

Where a sign is to be located behind guardrail, an allowable minimum clearance of two feet may be used, measured from the face of the guardrail to the near edge of sign.

POST SPACING NOTES:

Post spacing on a two post sign may vary a maximum of plus or minus 10% of total sign width to fit field conditions.

Post spacing on a three post sign may vary a maximum of plus 5% of total sign width to fit field conditions.



WINDBEAM CROSS SECTION

SPECIFICATION REFERENCE TABLE
MATERIALS AND TESTS DIVISION SPECIFICATIONS
SIGN HARDWARE D-9-7120

GENERAL NOTES:

1. Design conforms with AASHTO Specifications for the design and construction of structural supports for highway signs.
2. Materials and fabrication shall conform to the requirements of the Department material specifications.
3. Structural steel shall conform to the Item, "METAL FOR STRUCTURES."
4. Parts shall be saw cut either before galvanizing and the galvanized cut cleaned of zinc build-up, or saw cut after galvanizing and the cut surface treated with zinc-based solder or zinc-rich paint in accordance with ASTM A780. (Cut surface will not be treated until plate is installed and all bolts fully tightened.)
5. Exit number panel shall be mounted to the right hand side of the parent sign for right exits and to the left for left hand exits. The number panel shall be mounted with two uprights so its right edge is even with the right edge of the parent sign or vice-versa for left hand exits.

STANDARD PLANS
TEXAS DEPARTMENT OF TRANSPORTATION
Traffic Operations Division

SIGN MOUNTING DETAILS-LARGE ROADSIDE SIGNS STRUCTURE

SMD(2-1)-95

ORIG DRAW DATE: August 1995 | DN:- LR | CK:- | DW:- DN | CK:- | MEG NO.:
REVISIONS

STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT	SHEET
	6		47

COUNTY	CONTROL	SECTION	JOB	HIGHWAY

27A

FINAL RECORD DRAWING
Date: 12/25/99

LEVELS DISPLAYED
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32
33 34 55 63 73 83 93 04 14 24 34 44 54 64 74 84
49 05 15 25 35 45 55 65 75 85 96 06 16 26 36 46

DATE:
ACC: d58hplc/usr/d580504
FILE:
DN: LR CK: CW DW: DN CK: MT