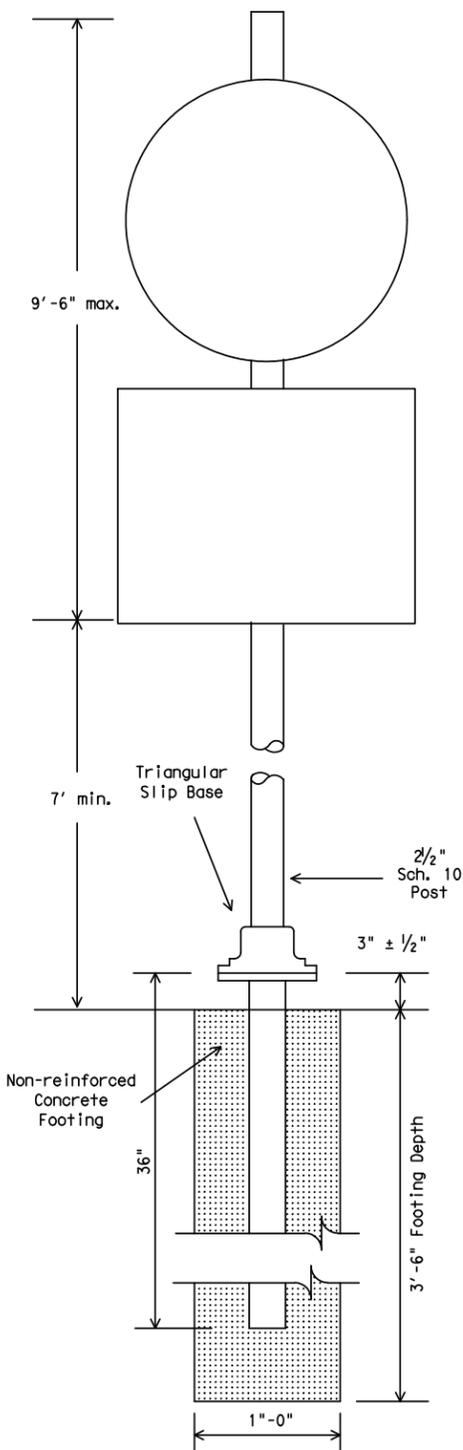


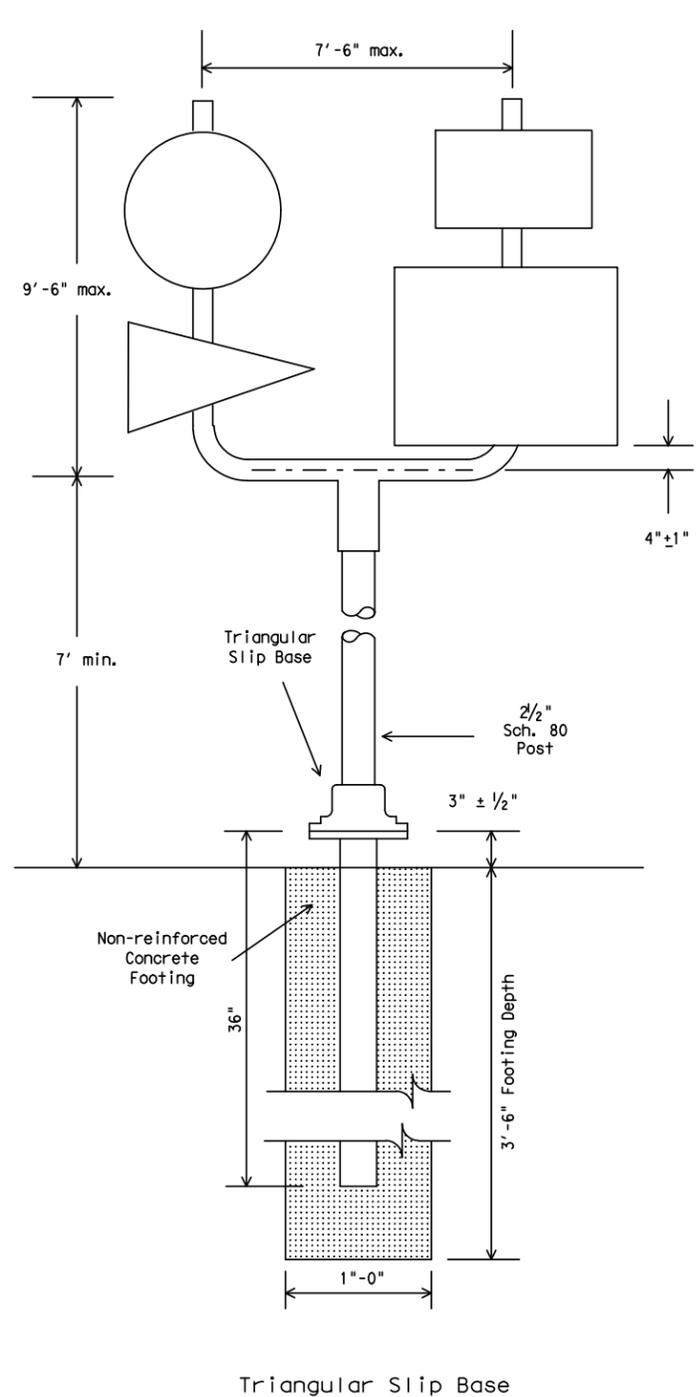
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Option A
Single Post
Max. 16 sq. ft. of sign(s)



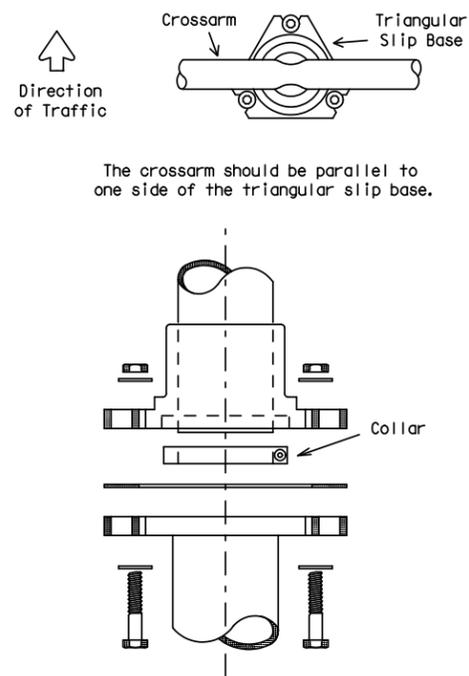
Triangular Slip Base
or other approved fittings

Option B
Single Post with Horn
Max. 32 sq. ft. of sign(s)



Triangular Slip Base

Texas Universal
Triangular Slip Base



For additional information refer to SMD(1-3)

GENERAL NOTES

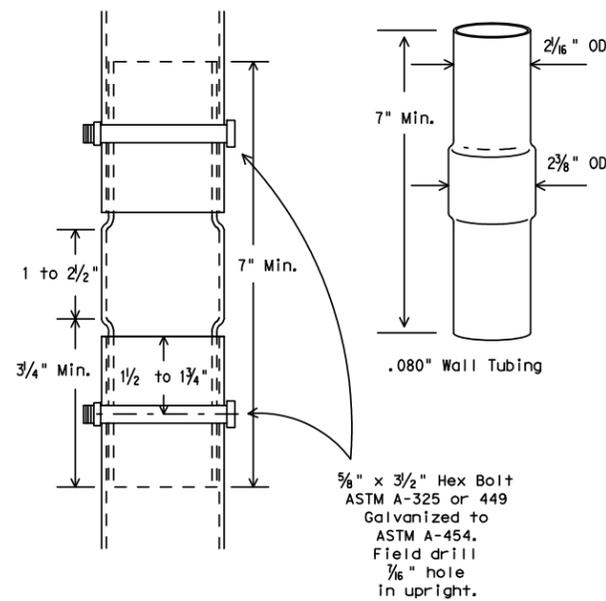
OPTIONS A and B

1. A City Pride Sign shall not contain words, symbols, or messages that may be construed as advertising, including, but not limited to, the offering of products and services, notification of municipal ordinances or regulations, or resemble official traffic control devices.
2. Banners, flags, streamers, flashing lights, or other appurtenances shall not be attached to a City Pride Sign or sign supports.
3. City name, symbol, slogan or combination thereof may be an attachment sign.
4. Attachment signs may be any color or combination of colors and may be of any design or shape. Attachment signs shall not be greater than 48 inches in width and 36 inches in height, and shall not consist of text, symbols, trademarks or a legend message identifying the name or abbreviation of a commercial establishment, service or product, or contain supplemental address or directional information such as meeting dates or locations.
5. A City Pride Sign shall not be illuminated internally or externally.
6. Support and design shall conform with AASHTO Standard Specifications for structural supports of Highway signs, luminaires and traffic signals with a design wind speed of 60 mph.
7. Steel pipe sign supports shall be galvanized in accordance to ASTM Designation A123.
8. The minimum sign height from the ground shall be 7 feet.
9. Where solid rock is encountered at ground level the foundation shall be a minimum depth of 18 inches. When solid rock is encountered below ground level the foundation shall extend into the solid rock a minimum depth of 18 inches or provide a minimum foundation depth of 30 inches. Only concrete foundations shall be used in rock.

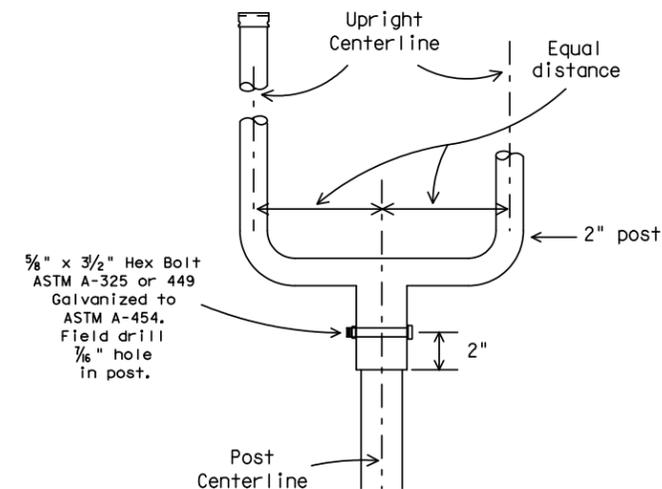
OPTION C

Refer to SMD(CPS-2)

SPLICE



SIGN SUPPORTS WILL ONLY
BE SPLICED BEHIND THE
SIGN SUBSTRATE



Texas Department of Transportation
Traffic Operations Division

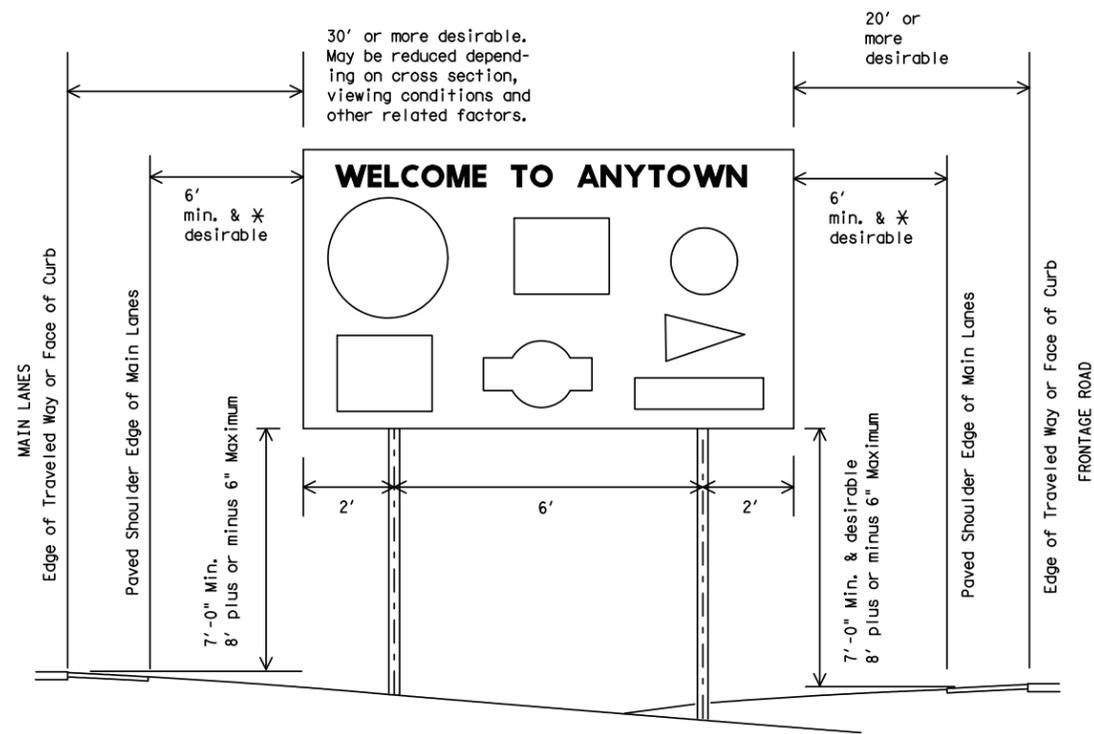
CITY PRIDE
SIGN

SHEET 1 OF 3 SMD(CPS-1)-98

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12-98	REVISIONS	CUA/T	SECT	JUB	HIGHWAY
	POST	COUNTY			SHEET NO.

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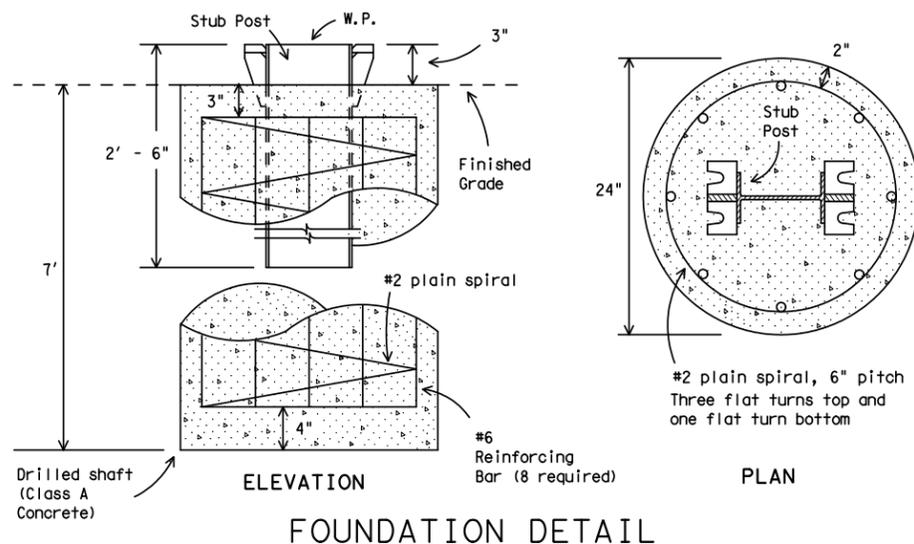
Option C Two Post/Solid Background Max. 80 sq. ft.



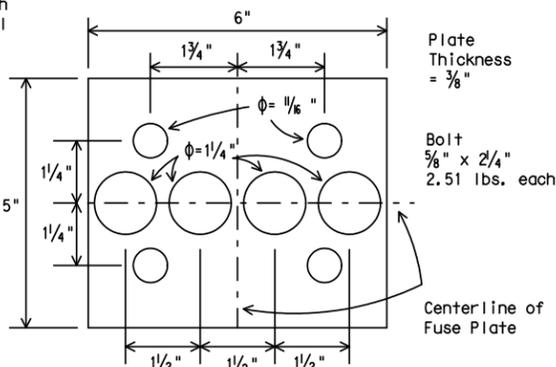
TYPICAL SIGN INSTALLATION AND LOCATION

OPTION C (Two Post)

- 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.
- 6 foot minimum and desirable may be used only in areas of limited lateral clearance and when approved by the Engineer.
- Post spacing on a two post sign may vary a maximum of plus or minus 10% of total sign width to fit field conditions.
- Typical maximum dimensions are 10 foot width by 8 foot height, however, TxDOT will consider other shapes and designs upon request. Maximum size of sign face shall not exceed 80 square feet.
- Background shall be brown in color. If painted it shall match Sherwin Williams #2315 (or equivalent). If reflective sheeting is used it shall meet TxDOT Material Specification D-9-8300.
- Optional City name, symbols, slogan or combination thereof may be an attachment sign or lettering on the sign face. Lettering may be any style or font, but shall not be greater than 8 inches in height. Lettering and or optional 2 inch border shall be white in color. Paint shall match Sherwin Williams #2130 (or equivalent), if sheeting is used it shall meet TxDOT Material Specification D-9-8300.

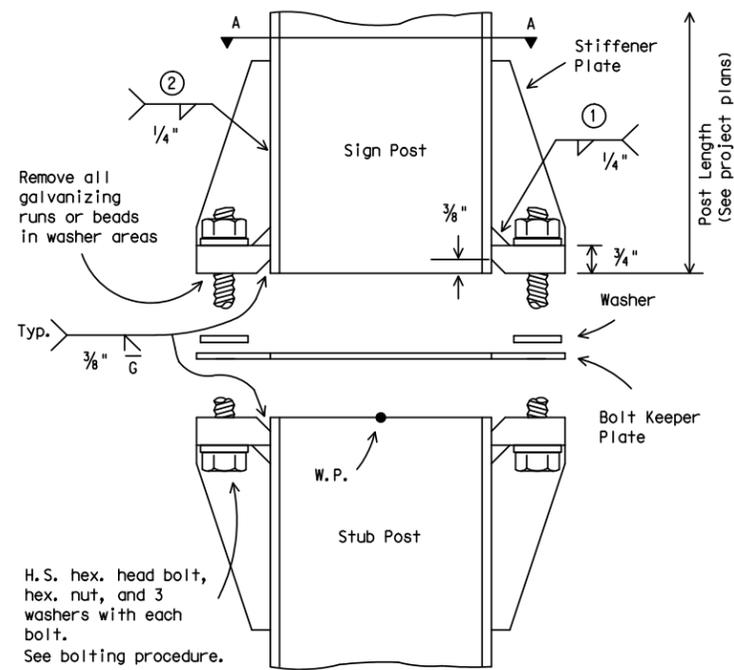


FOUNDATION DETAIL



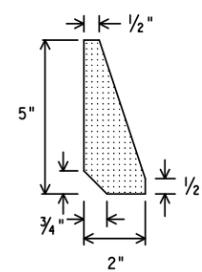
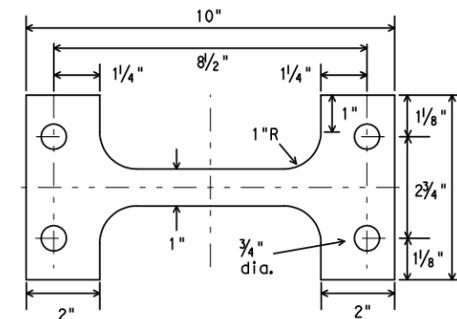
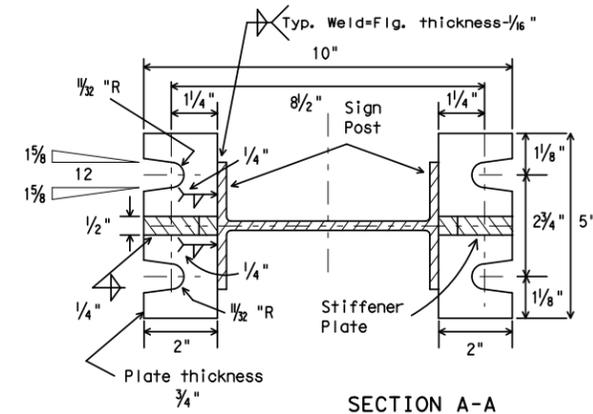
PERFORATED FUSE PLATE DETAIL

Use H.S. hex head bolts, hex head nut and bevel or flat washer (where req'd) under nut. All holes shall be drilled. All plate cuts shall preferably be saw cuts. However; flame cutting will be permitted provided all edges are ground. Metal projecting beyond the plane of the plate face will not be permitted. Steel fuse plates shall conform to the requirements of ASTM A36, ASTM A572 Grade 50 or ASTM A588 may be substituted for A36 at the option of the fabricator. Mill test reports shall be submitted for Fuse Plates. Steel used shall have an ultimate tensile strength not to exceed 80 KSI.



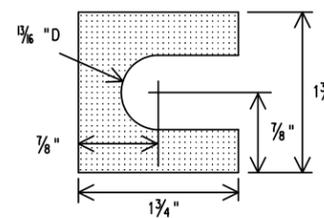
- Back up weld to be made before installing stiffener plate
- Weld W may be continued across clips to seal joint

W6x15 SIGN POST AND STUB POST



STIFFENER PLATE DETAIL

Steel Plate (thickness = 1/2")



SHIM DETAIL

Furnish two .012"+ thick and two .032"+ thick shims per post. Shims shall be fabricated from brass shim stock or strip conforming to ASTM B36.

BOLTING PROCEDURE FOR ASSEMBLY OF BASE CONNECTION:

- Assemble sign post, BOLT KEEPER PLATE and stub post with bolts and three flat washers per bolt as shown.
- Shim as required to plumb post.
- Tighten all bolts the maximum possible with a 12 to 15 inch wrench to bleed bolt threads and to bed washers and shims.
- Loosen each bolt in sequence and retighten bolts in a systematic order to the prescribed torque. Do not overtighten.
- To prevent nut loosening, burr threads of bolt at junction with nut using a center punch.

SIGN SUPPORTS WILL ONLY BE SPLICED BEHIND THE SIGN SUBSTRATE

Texas Department of Transportation
Traffic Operations Division

CITY PRIDE SIGN

SHEET 2 OF 3 SMD (CPS-2) -98

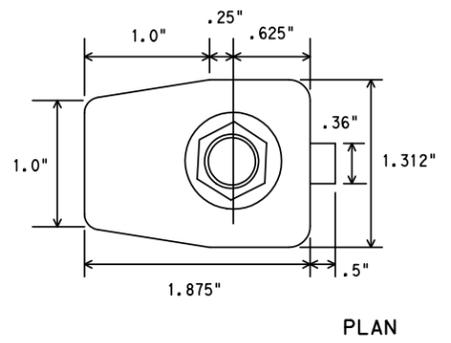
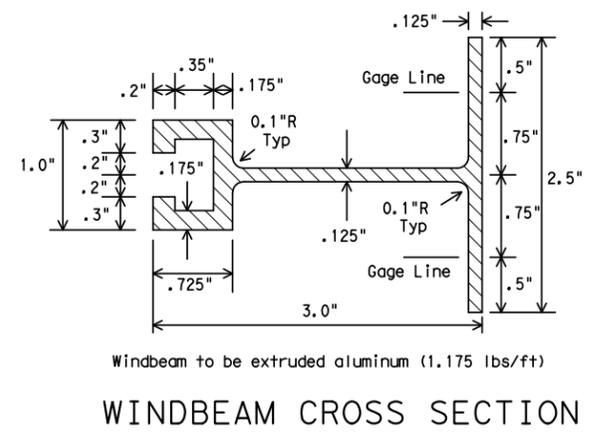
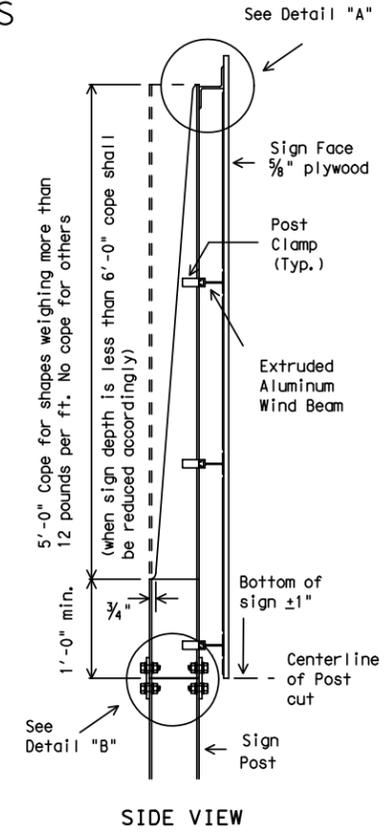
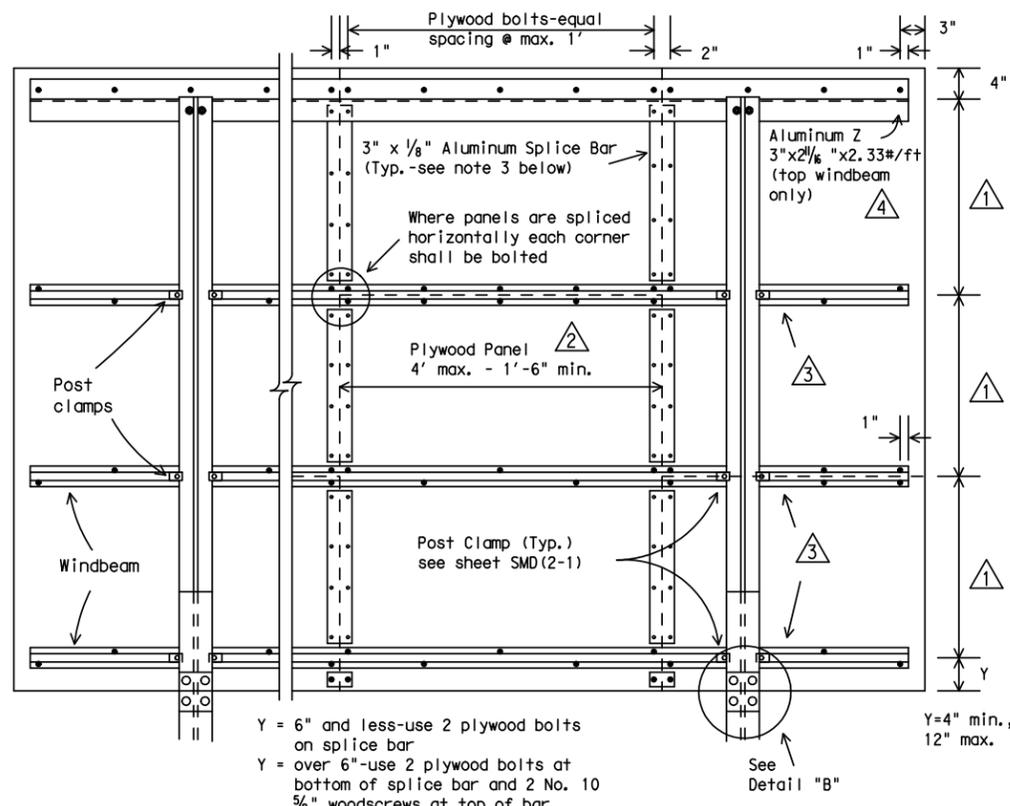
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REVISONS	CUA/T	SECT	JUB	HIGHWAY
	PIST	COUNTY		SHEET NO.

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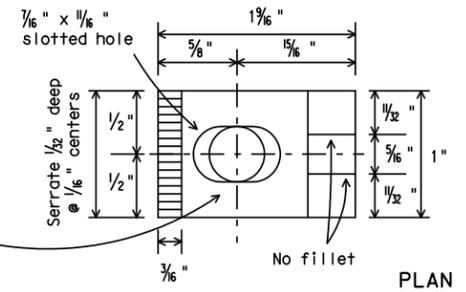
TYPICAL PLYWOOD SIGN ASSEMBLY DETAILS

SPECIFICATION REFERENCE TABLE MATERIALS AND TESTS DIVISION SPECIFICATIONS SIGN HARDWARE	D-9-7120
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- GENERAL NOTES:**
- Design conforms with AASHTO Specifications for the design and construction of structural supports for highway signs.
 - Materials and fabrication shall conform to the requirements of the Department material specifications.
 - Structural steel shall be high strength steel (HS) in accordance with the Item 442, "Metal For Structures."
 - 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.)

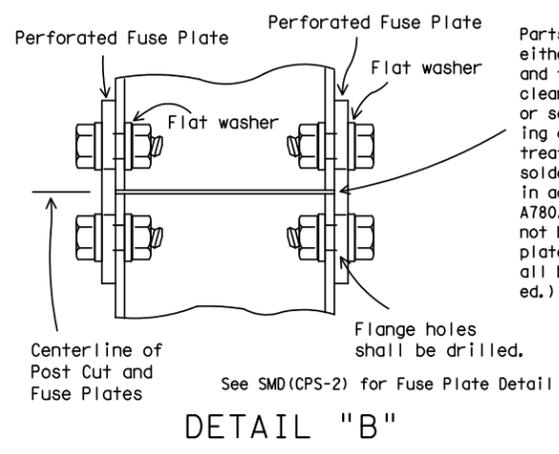
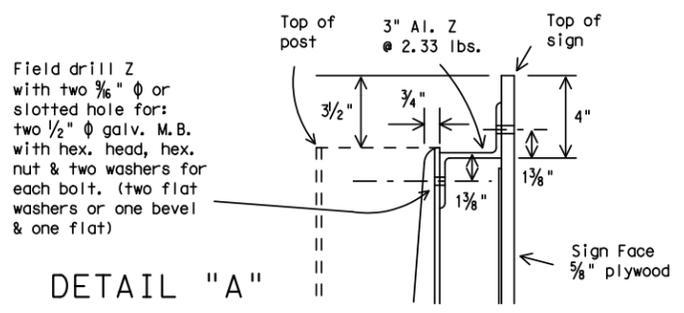
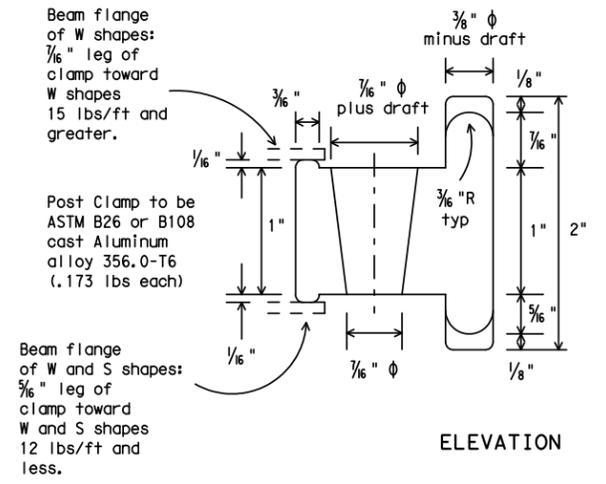
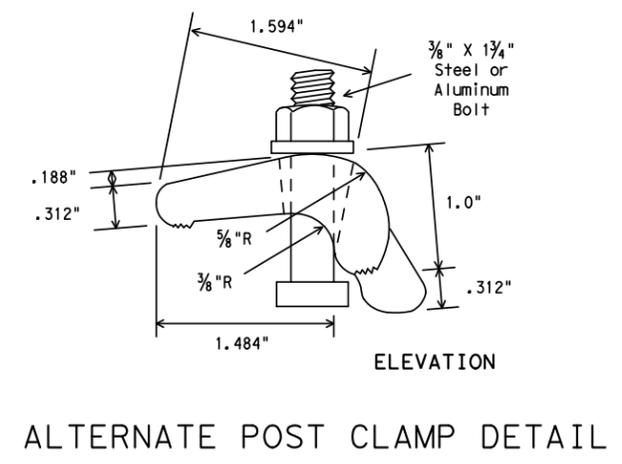


NOTE: centerline of hole for 3/8" diameter squarehead bolt x 2 1/4" long with a flat washer and self-locking nut, or lock washer and hex. nut. Bolt head dimensions shall be in accordance with ANSI B 18.2.1 as referred to in the AISC Manual of steel construction. Bolt assembly shall be galvanized.

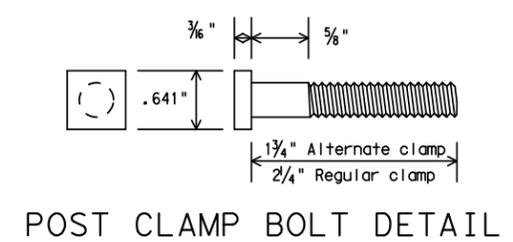


- NOTES:**
- A tolerance of plus or minus 1/4 inch will be permitted in the plan dimensions for fabrication of each single increment sign panel when necessary for squaring. A tolerance of plus or minus 1/4 inch will be permitted for each increment of a multi-increment sign panel where necessary to secure square, tight-fitting joints.
 - Plywood bolts shall be 5/8" x 1/2" elevator type steel with flat or slightly hemispherical head and 3/4" minimum thread length. The head shall have a minimum diameter of 1/8" and a minimum of two fins on the underside. Each bolt shall be provided with one 5/8" steel hex nut, one 5/8" steel flat washer, and one 5/8" steel lock washer. Bolts, nuts and washers shall be galvanized in accordance with ASTM Designation: B695, Class 50, or A153 Class C or D.
 - Splice bars shall be secured with 5/8" long x #10 round head, stainless steel wood screws spaced at 6" maximum along double row spacing with the exception at extreme ends of splice bars, along outside edge of sign, where plywood bolts shall be used as shown. A maximum of one horizontal joint per vertical section will be permitted using a 1/8" gap between panels.
 - Splices shall be kept to a minimum. Panels 4'x8' or larger shall be used to the maximum extent possible in the fabrication of any sign. Signs or sign sections which cannot be fabricated from at least a 4'x8' panel shall be of one piece construction.

- 1 Approximately equal spacing, fabricator may vary spacing for least interference with message and to utilize wind beam for horizontal splice. Wind beam spacing will not exceed the maximum shown in table on sheet SMD(2-1). Staggered arrangement of horizontal splices as shown is preferred. However, a single horizontal joint across the sign face is permissible.
- 2 For signs 4'-0" or less in height the plywood panel may exceed 4'-0" in width.
- 3 Extruded aluminum wind beams shall be continuous with no splices. (see sheet SMD(2-1).
- 4 Aluminum Z will be provided unless stated otherwise in the plans. If noted elsewhere in the plans, 1.175 lb/ft extruded aluminum windbeam may be used.



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.)



SIGN SUPPORTS WILL ONLY BE SPLICED BEHIND THE SIGN SUBSTRATE

POST CLAMP DETAIL

Texas Department of Transportation
 Traffic Operations Division

CITY PRIDE SIGN

SHEET 3 OF 3 SMD(CPS-3)-98

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