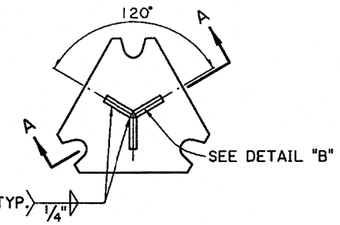
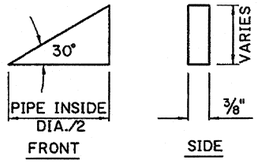
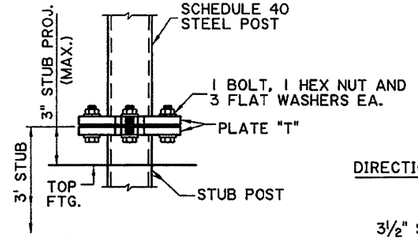


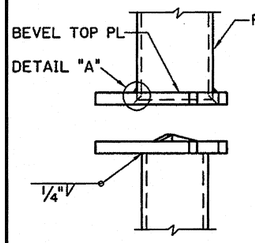
TOP VIEW STUB POST



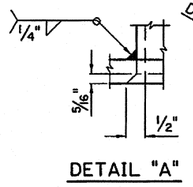
DETAIL "B"
3 REQ'D.



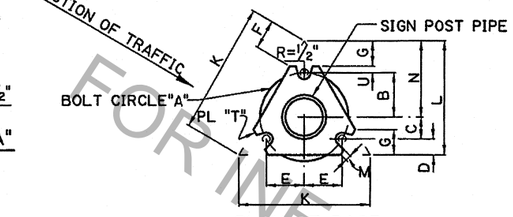
ELEVATION OF BASE CONNECTION



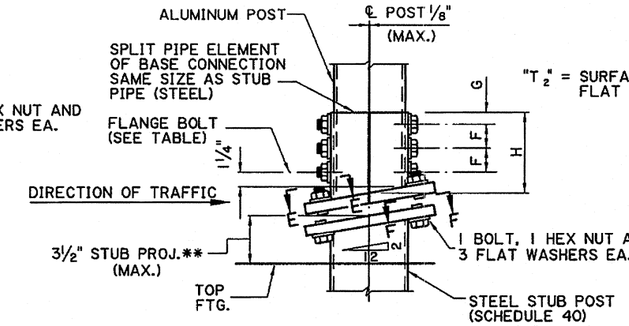
SECTION A-A



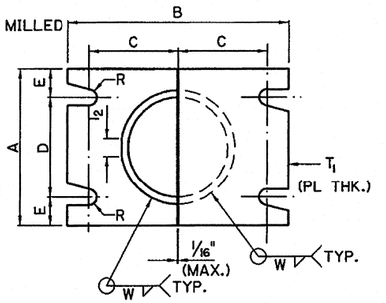
DETAIL "A"



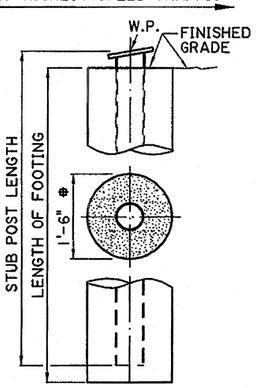
PLAN OF BASE



ELEVATION OF BEVELED BASE CONNECTION



SECTION E-E SECTION F-F



⌀ FOR 2½"⌀ (STEEL) AND 3"⌀ (ALUM.) POST SECTIONS, FOOTING DIAMETER SHALL BE 1'-0"

FOOTING DETAIL
PIPE SECTIONS

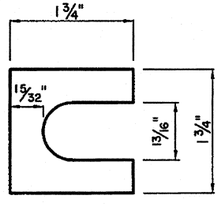
UNI-DIRECTIONAL BASE
ALUMINUM ALTERNATE

STEEL MULTI-DIRECTIONAL BASE CONNECTION DATA																	
NOMINAL PIPE SIZE	BOLT SIZE & TORQUE ⊙	WELD SIZE	T	Y	A	B	C	D	E	F	G	K	L	M	N	U
2½" OR 3½" DIA.	5/8" T=226	3/8"	5/8"	7"	7"	3½"	1¾"	1¼"	3"	2 5/16"	2"	10 3/8"	9"	½"	6"	½"

FOR STUB POST LENGTH & FOOTING DIMENSION SEE TABLE BELOW AND FOOTING DETAIL. ⊙TORQUE IN INCH-LBS., BOLTS ARE HIGH STRENGTH

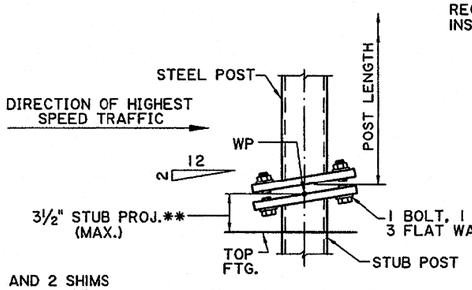
NOTE:
MULTI-DIRECTIONAL BREAK-AWAY FEATURE IS TO BE USED ONLY AT LOCATIONS WHERE SIGN IS LIKELY TO BE STRUCK FROM MORE THAT ONE DIRECTION.

MULTI-DIRECTIONAL BASE
SINGLE STEEL POST ONLY



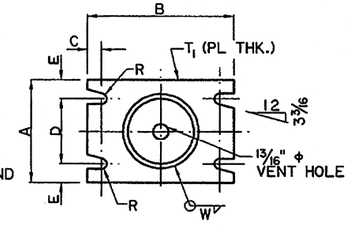
SHIM DETAIL
BOLTS UP TO ¾" ⌀ BOLTS

FURNISH 2 SHIMS 0.012"± THICK AND 2 SHIMS 0.032"± THICK PER POST. SHIMS SHALL BE BRASS CONFORMING TO A.S.T.M. SPEC B-36 AND BE USED AS DIRECTED BY THE PROJECT ENGINEER.



** TO MAINTAIN CORRECT STUB PROJECTION RECESS CONCRETEAS NECESARY FOR BOLT INSTALLATION RECESS SHAP TO DRAIN

ELEVATION OF BEVELED BASE CONNECTION

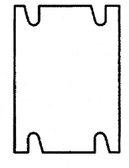


PLAN
BASE PLATE AND PIPE POST

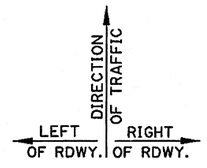
UNI-DIRECTIONAL BASE
STEEL ALTERNATE

TYPE POST	DIMENSION (INCH) / SECTION	UNI-DIRECTIONAL BASE CONNECTION DATA: BOLT SIZE & TORQUE LIMITS *	A	B	C	D	E	F	G	H	T_1	T_2	W	R	FLANGE BOLTS	FOOTING DATA: STUB LTH.	LTH. OF FTG.	STEEL STUB POST	CU. YD. CONC.
STEEL SCH. 40	2½"⌀	½"⌀ T=95-142	4½	6½	¾	2½	1	—	—	—	¾	—	5/16	9/32	—	36	36	2½"⌀	0.09
	3½"⌀	½"⌀ T=95-142	5½	7¾	¾	3½	1	—	—	—	1	—	⅜	9/32	—	36	36	3½"⌀	0.20
	5"⌀	⅝"⌀ T=226-345	6½	9¾	¾	4	1¼	—	—	—	1¼	—	7/16	11/32	—	48	48	5"⌀	0.26
	6"⌀	¾"⌀ T=369-554	8	11	⅞	5½	1¼	—	—	—	1¼	—	⅜	13/32	—	60	60	6"⌀	0.33
ALUM. SCH. 40 (TUBE)	3"⌀ x ⅜"	½"⌀ T=95-142	5	8	3	3	1	1½	1	5⅝	¾	1	¼	9/32	½"⌀	36	36	3"⌀	0.09
	4"⌀ x ⅜"	½"⌀ T=95-142	6	9½	4	4	1	1½	1	5⅝	¾	1	⅜	9/32	½"⌀	36	36	4" ⌀	0.20
	6"⌀ x ¼"	⅝"⌀ T=226-345	8	11	4½	5½	1¼	2	1	6¾	¾	1¼	7/16	11/32	⅝"⌀	48	48	6"⌀	0.26

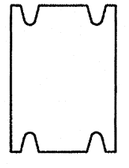
* ALL BOLTS SHALL HAVE A MINIMUM OF 3 THREADS BEYOND THE NUT. BOLT TORQUE LIMITS IN INCH POUNDS. (THE HIGH STRENGTH BOLTS AT THE BASE CONNECTION SHOULD BE TORQUED WITHIN THE LIMITS SPECIFIED, HOWEVER, THE LOWER LIMIT IS DESIRABLE). FOR NON-BREAKAWAY USE TORQUE LIMITS GIVEN IN THE STANDARD SPECIFICATIONS.



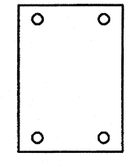
LEFT HAND SLOTS



RIGHT HAND SLOTS



TWO-WAY SLOTS



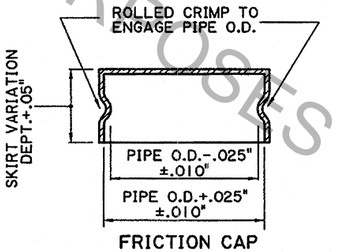
HOLES

FOR ONE-WAY TRAFFIC LANES. FOR TWO-WAY TRAFFIC LANES, USE RIGHT HAND SLOTS ONLY.

FOR GORE INSTALLATIONS

FOR BRIDGE MOUNTED SIGNS & SIGNS BEHIND GUARDRAIL

ORIENTATION AND USE OF SLOTS AND HOLES



FRICTION CAP DETAIL
(USED AT TOP OF ALL POSTS)

PROCEDURE FOR ASSEMBLY OF BASE CONNECTION:

SPECIAL CAE SHALL BE TAKEN TO SET THE BASE PLUM TO AVOID EXCESSIVE SHIMMING AT THE BREAK-AWAY FEATURE AFTER FINAL INSTALLATION. EXCESSIVE SHIMMING COULD IMPAIRYHE BREAK-AWAY FEATURE FOR WHICH THIS INSTALLATION WAS DESIGNED. SHIM PACKS SHOWN ON THIS DRAWING SHOULD BE SUFFICIENT TO ALLOW FOR NORMAL MISALIGNMENT.

1. BASE SHALL BE ALIGNED AND SET PLUM BEFORE OR IMMEDIATELY AFTER POURING CONCRETE FOOTING.
2. H.S. BOLTS IN BASE PLATE SHALL BE TIGHTENED TO THE PRESCRIBED TORQUE. CARE SHALL BE TAKEN TO AVOID OVERTIGHTING.

FRICTION CAPS:

CAPS MAY BE MANUFACTURED FROM EITHER HOT ROLLED OR COLD ROLLED STEEL SHEETS. FOR PIPE SIZES 3½" AND SMALLER THE MINIMUM SHEET METAL THICKNESS SHALL BE 24 GAUGE. THE RIM EDGES SHALL BE REASONABLY STRAIGHT AND SMOOTH. CAPS SHALL BE SIZED AND FORMED IN SUCH A MANNER AS TO PRODUCE A DRIVE-ON FRICTION FIT AND HAVE NO TENDENCY TO ROCK WHEN SEATED ON THE PIPE. THE DEPTH SHALL BE SUFFICIENT TO GIVE POSITIVE PROTECTION AGAINST ENTRANCE OF RAINWATER. THEY SHALL BE FREE OF SHARP CREASES OR INDENTATIONS AND SHOW NO EVIDENCE OF METAL FRACTURE. CAPS SHALL HAVE A ELECTRODEPOSITED COATING OF ZINC IN ACCORDANCE WITH THE REQUIREMENTS OF A.S.T.M. SPECIFICATION B633 SC4, TYPE I.

THIS SHEET TO BE USED WITH WIND LOAD MAP AND GENERAL NOTE SHEET.

STATE OF LOUISIANA
PAUL B. FOSSIER, JR.
REG. No. 21028
REGISTERED PROFESSIONAL ENGINEER IN CIVIL ENGINEERING
Paul B. Fossier 8/31/00

SHEET NUMBER

PARISH	FEDERAL PROJECT	STATE PROJECT
DESIGNED J.C. PORTER	DETAILED E.DEARMOND	DATE JULY,2010
CHECKED A. BRIDGES	CHECKED	SHEET 9 OF 11

NO.	DATE	REVISION DESCRIPTION	BY

ROADSIDE MOUNTED SUPPORT DETAIL
TYPE A & B SIGNS
BD.2.7.2.0.9 - ROADSIDE TRAFFIC SIGNS

BRIDGE AND STRUCTURAL DESIGN