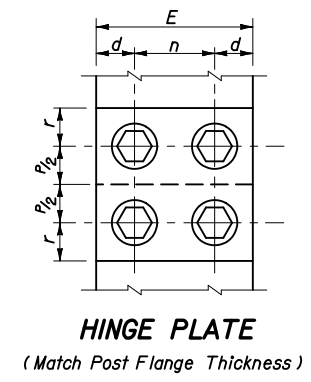
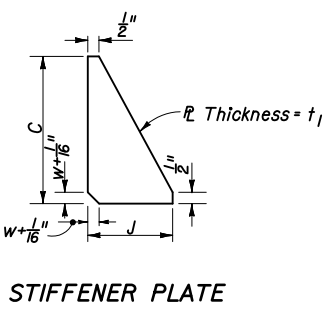
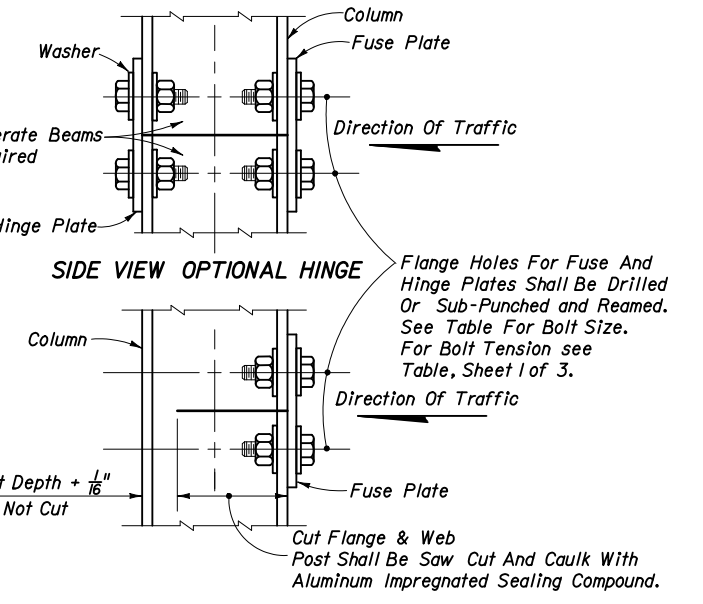
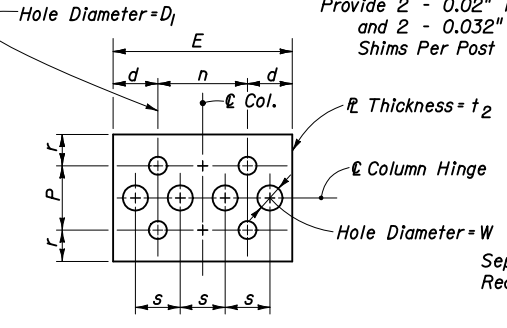
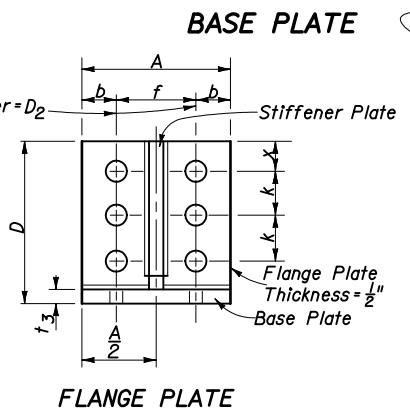
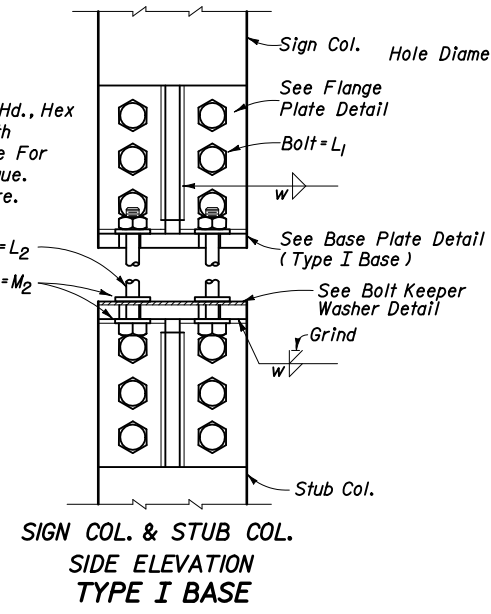
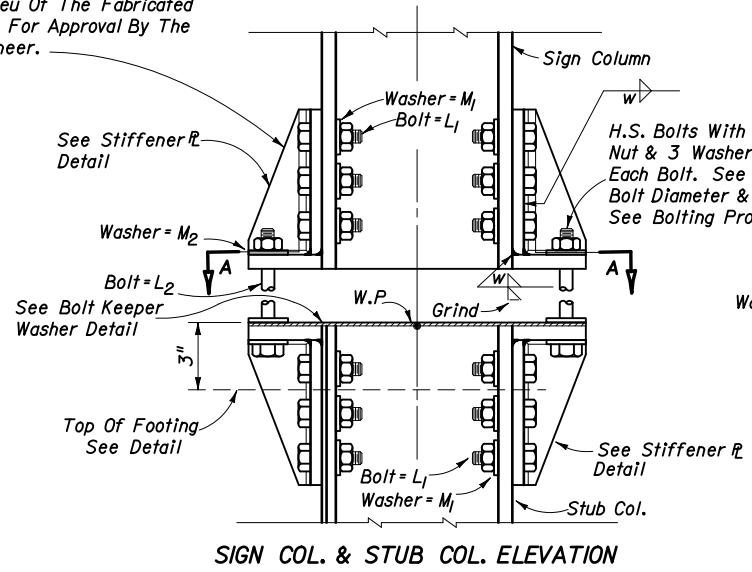
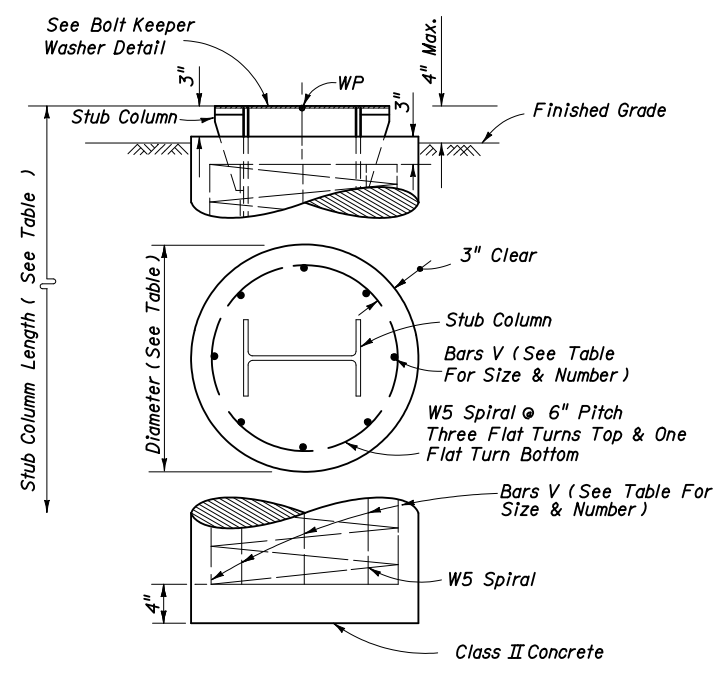


An Alternate Cast Base Of Alloy 356 And T6 May Be Submitted For Consideration In Lieu Of The Fabricated Base For Approval By The Engineer.



(See Fabricator Note On Sheet 1 of 3)
SIDE VIEW TYPICAL HINGE
FUSE & HINGE PLATE
DETAIL B



Section*	BASE CONNECTION DATA TABLE													FUSE (HINGE) PLATE DATA TABLE							FOUNDATION DATA TABLE																	
	A	B	C	D	J	L1 (Dia.)	Bolt Size (Dia.) & Torque (L2) (in-lb)	M1	M2	D2	R	x	b	f	h	k	t1	t2	t3	w	Bolt Size	E	P	D1	d	n	r	s	t2	W	Dia.	Depth	Stub Length	Reinforcing Bars "V"				
I 4x2.79	3 3/8"	2 1/8"	5 1/8"	6 1/2"	2 1/4"	3/8"	Ø 345	1 1/2"	1 1/8"	1 1/8"	3/8"	1/4"	1 1/8"	1 3/4"	1 1/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	1'-8"	4'-6"	1'-8"	10-#5
I 6x4.03	4 1/8"	2 1/8"	5 1/8"	6 1/2"	2 1/4"	3/8"	Ø 345	1 1/2"	1 1/8"	1 1/8"	3/8"	1/4"	1 1/8"	1 3/4"	1 1/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	2'-0"	5'-9"	2'-2"	10-#6
I 8x6.18	5 1/8"	2 1/8"	7 1/8"	7 1/8"	2 3/4"	3/8"	Ø 345	1 1/2"	1 1/8"	1 1/8"	3/8"	1/4"	1 1/8"	1 3/4"	1 1/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	2'-0"	7'-6"	2'-8"	10-#6
I 9x8.36	5 3/8"	3 1/8"	7 1/8"	8 1/8"	2 3/4"	3/8"	Ø 550	1 3/4"	1 1/2"	1 1/2"	3/8"	1/4"	1 1/8"	2 1/4"	1 1/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	2'-4"	8'-0"	2'-8"	8-#8
I 10x10.3	6"	3 3/8"	8 1/8"	9 1/8"	2 3/4"	1"	Ø 550	2"	1 1/2"	1 1/2"	3/8"	1/4"	1 1/8"	3 1/8"	1 1/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	2'-4"	9'-6"	3'-3"	8-#8	
I 12x14.3	7 1/8"	3 3/8"	9 3/8"	10 3/8"	3"	1"	Ø 690	2 1/4"	2"	1 1/2"	3/8"	1/4"	1 1/8"	3 3/8"	1 1/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	2'-8"	11'-0"	3'-9"	10-#8	

* All Shapes Listed are Aluminum Association I Beams. Designation Gives (Member Depth) x (lb/ft).

- PROCEDURE FOR ASSEMBLY OF BASE CONNECTION: FOR BOLTS L2**
1. Assemble post to stub with bolts and with one flat washer on each bolt between plates.
 2. Shim as required to plumb post (See Shim Detail).
 3. Tighten all bolts the maximum possible with 1'-0" to 1'-3" wrench to bed washers and shims and to clean bolt threads then loosen each bolt in turn and retighten in a systematic order to the prescribed torque (See Table).
 4. Burr threads at junction with nut using a center punch to prevent nut loosening.

NOTE:
Sections shown are for installation on right shoulder.
For left shoulder plate slot bevels are opposite hand from that shown.

NOTES: To prevent galvanic corrosion, reinforcing steel shall not be in contact with the aluminum stud column.
All reinforcing to be Grade 60.

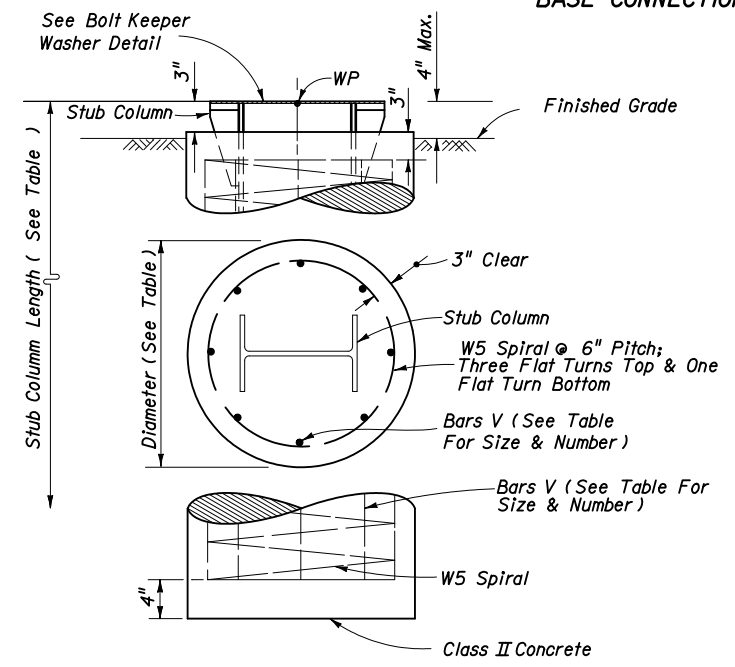
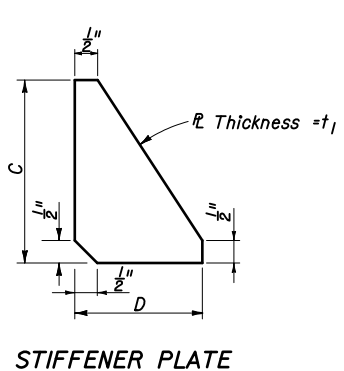
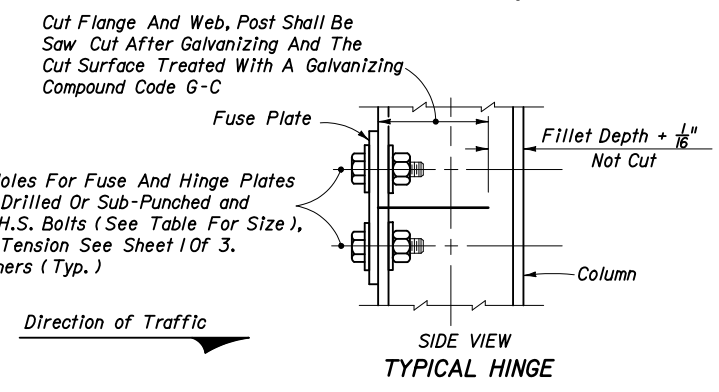
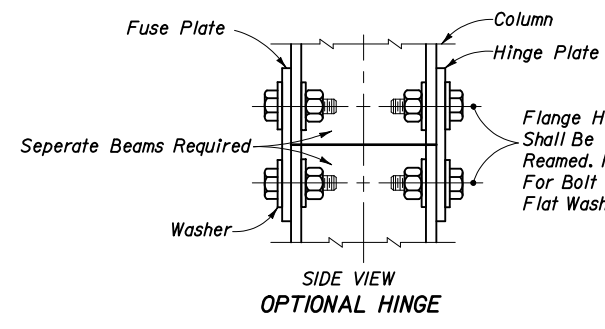
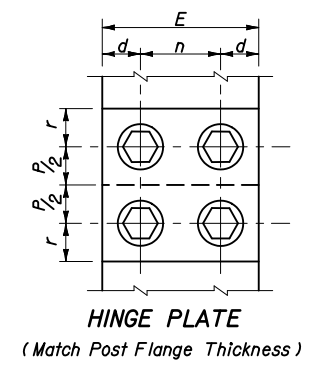
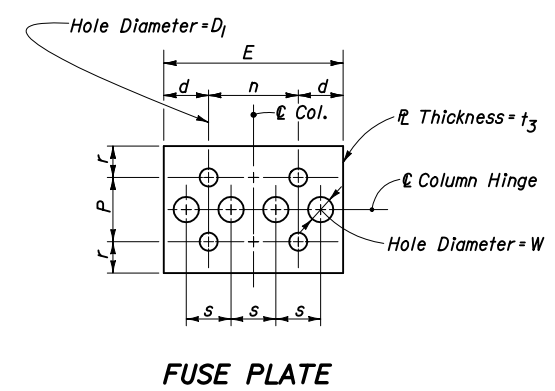
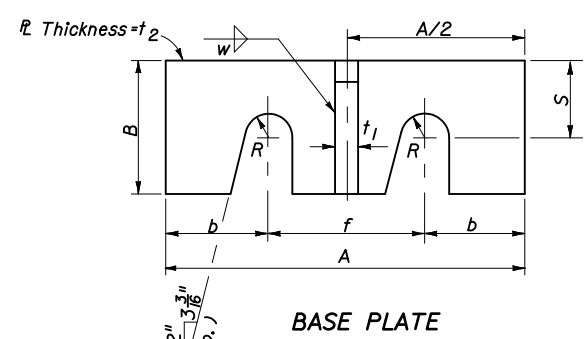
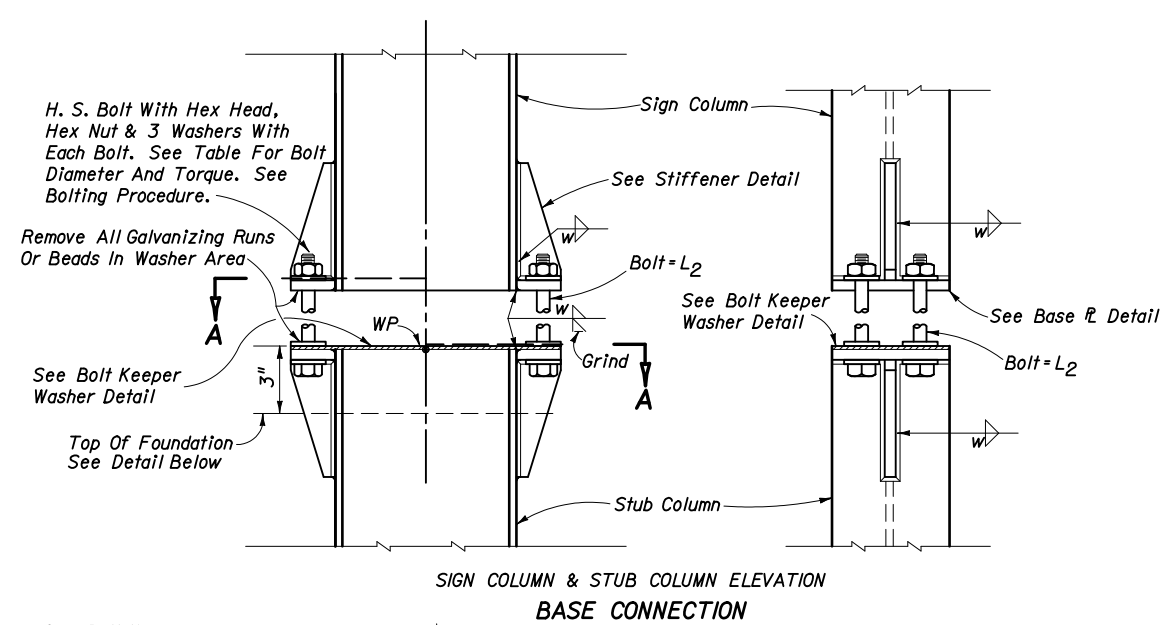
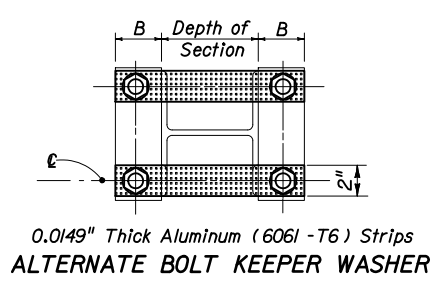
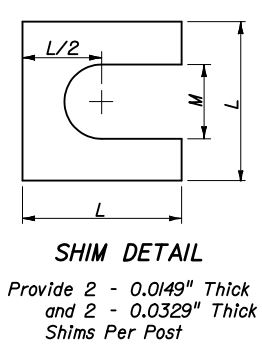
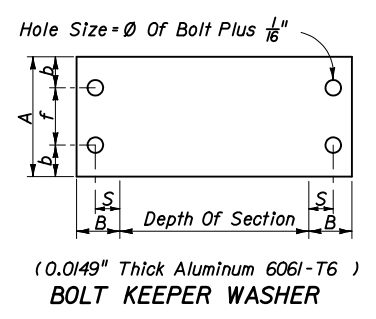
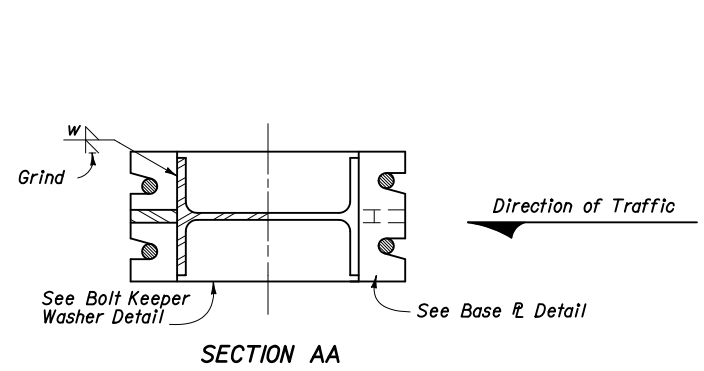
ALUMINUM POST, BASE, FOUNDATION & FUSE & HINGE DETAILS

REVISIONS				REVISIONS				2006 Interim Design Standard				Interim Date	Sheet No.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	07/01/06	2 of 3
06/16/06	A.P.	FOUNDATION DETAIL 3" Above Finished Grade dimension revised 4" Max. added.											



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Section*	BASE CONNECTION DATA													FUSE (HINGE) PLATE DATA										FOUNDATION DATA				SHIM	
	A	B	C	D	Bolt Size (L2) & Torque (in-lb)	R	b	f	S	t1	t2	w	Bolt Size	E	P	D1	d	n	r	s	t3	W	Dia.	Depth	Stub Length	Reinf. Bars V	L	M	
W 6x12	4 3/4"	2"	5 1/8"	2"	5/8" Ø 345	3/8"	1 1/8"	2 1/2"	1 3/8"	1/2"	1/2"	1/4"	5/8"	4 1/4"	3"	1 1/8"	1 1/8"	2"	1 3/8"	1"	1 1/4"	1 1/8"	2'-0"	5'-6"	2'-4"	10-#6	1 3/4"	1 1/8"	
W 8x18	5 3/4"	2 3/8"	6 1/4"	2 3/8"	3/4" Ø 550	1/2"	1 1/2"	2 3/4"	1 3/8"	1/2"	1/2"	1/4"	7/8"	5 1/2"	3 3/4"	1 1/2"	2 1/2"	1 3/8"	1 1/8"	3/4"	1 1/4"	1 1/8"	2'-0"	7'-6"	2'-10"	10-#6	1 3/4"	1 1/8"	
W 10x22	6 3/8"	2 3/8"	8"	2 3/8"	7/8" Ø 640	1/2"	1 9/16"	3"	1 3/8"	1/2"	3/4"	1/4"	1"	6 3/8"	4 1/8"	1 1/8"	3 1/4"	2 3/8"	1 3/8"	1 1/2"	3/4"	1 3/8"	2'-4"	8'-6"	3'-4"	8-#8	2"	1 1/8"	
W 10x33	8"	2 3/4"	8"	2 3/4"	1 1/8" Ø 780	3/8"	2"	4"	1 1/8"	1/2"	3/4"	1/4"	1 1/8"	7 1/8"	5 1/8"	1 3/8"	2 3/4"	3 3/8"	2"	1 7/8"	1/2"	1 1/2"	2'-4"	10'-3"	4'-0"	8-#8	2 3/8"	1 3/8"	
W 12x40	8"	3"	8"	3"	1 1/8" Ø 780	3/8"	2"	4"	1 1/8"	1/2"	3/4"	1/4"	1 1/2"	8 3/8"	5 3/4"	1 1/2"	2 3/4"	3 3/8"	2 1/8"	1 1/2"	1 1/2"	1 1/2"	2'-8"	11'-3"	4'-8"	10-#8	2 3/8"	1 3/8"	

* Designations Give (Nominal Depth) x (lb/ft)

- PROCEDURE FOR ASSEMBLY OF BASE CONNECTION**
1. Assemble post to stub with bolts and with one flat washer on each end bolt between plates.
 2. Shim as required to plumb post (see shim detail).
 3. Tighten all bolts the maximum possible with 1'-0" to 1'-3" wrench to bed washers and shims and to clean bolt threads then loosen each bolt in turn and retighten in a systematic order to the prescribed torque (see table).
 4. Burr threads at junction with nut using a center punch to prevent nut loosening.

NOTE:
Sections shown are for installation on right shoulder.
For left shoulder plate slot bevels are opposite hand from that shown.

NOTE: All Reinforcing To Be Grade 60.

STEEL POST, BASE, FOUNDATION & FUSE & HINGE PLATE DETAILS

REVISIONS				REVISIONS				2006 Interim Design Standard				Interim Date	Sheet No.
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	07/01/06	3 of 3
06/01/06	A.P.	FOUNDATION DETAIL 3" Above Finished Grade dimension revised 4" Max. added.											



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