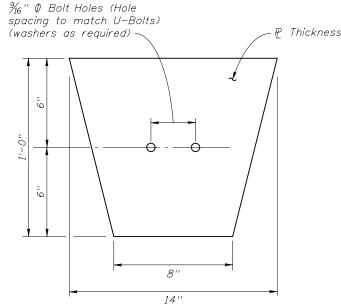
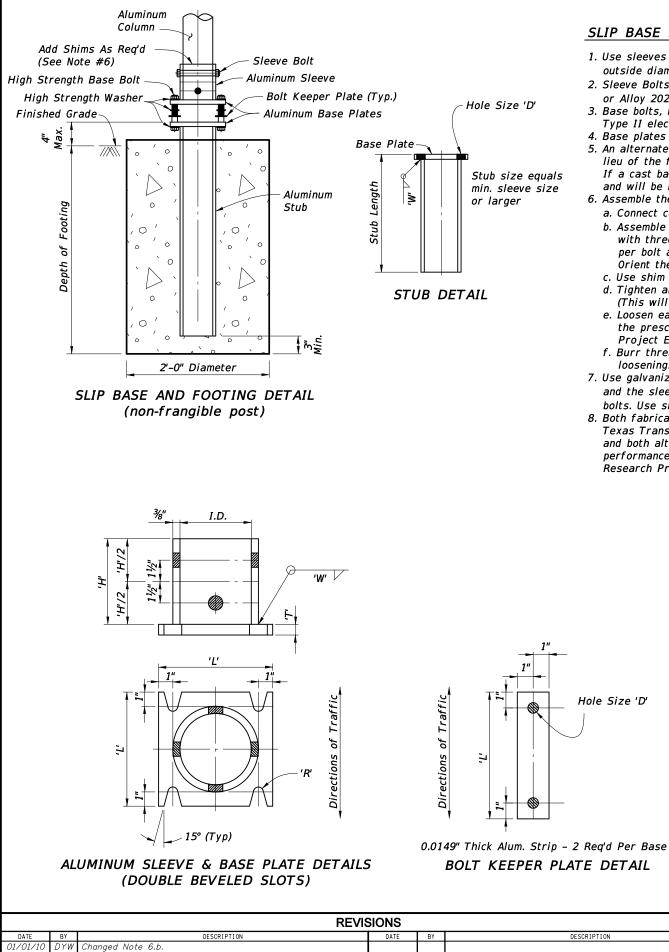


	POST AND FOUNDATION TABLE							
	Foundation Alternatives							
	Post Size Driven Post *			Concrete (Class I)				
	Diameter (IN)	Wall	Deptł	n (FT)	Diameter	Depth (FT)	Stub Length (FT)	
		(IN)	without Soil Plate	with Soil Plate	(FT)			
0	2.0	1/8	4.5	2.5	2.0	2.0	2.0	
1	2.5	1/8	5	3	2.0	2.0	2.0	
2	3.0	1/8	5	3.5	2.0	2.5	2.5	
3	3.5	³ /16	6	4.5	2.0	3.0	3.0	
4	4.0	1/4			2.0	4.0	3.0	
5	4.5	1/4			2.0	4.0	3.0	
6	5.0	1/4			2.0	4.5	3.0	
7	6.0	1/4			2.0	5.0	3.0	
8	8.0	⁵ /16			2.0	5.5	3.0	







SLIP BASE NOTES:

- 1. Use sleeves with an inside diameter (I.D.) no more than \mathcal{V}_{16} " larger than the outside diameter (0.D.) of the column.
- 2. Sleeve Bolts: ASTM A-307, 1/2" Ø galvanized steel bolt (with lock nuts) or Alloy 2024-T4 or 6061-T6 (ASTM B-211).
- 3. Base bolts, Nuts, and Washers: high strength ASTM A-325 with ASTM B633 SC3, Type II electroplated zinc coating.
- 4. Base plates may have either single or double beveled slots.

5. An alternate cast base plate of aluminum alloy 356 and T6 temper in lieu of the fabricated base plate may be submitted for approval. If a cast base plate is used, the stub will be the same size as the column and will be bolted to the casting.

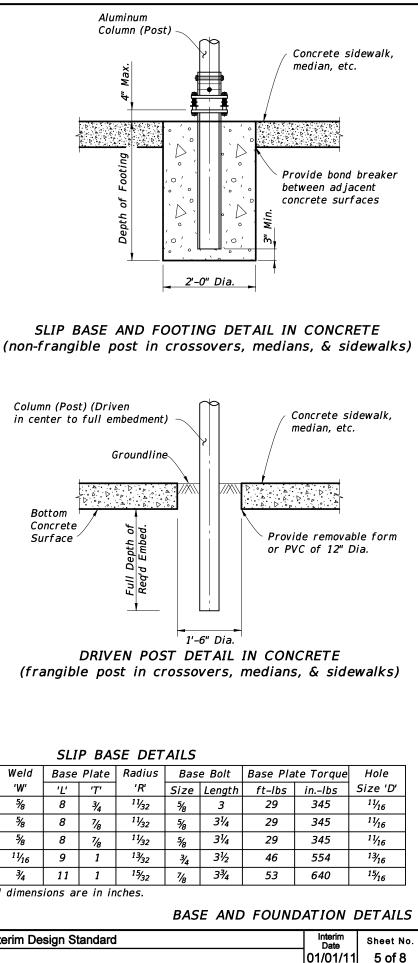
- 6. Assemble the slip base connection in the following manner:
- a. Connect column to sleeve using two $\frac{1}{2}$ " Ø machine bolts.
- b. Assemble top base plate to stub base plate using high strength bolts with three hardened washers per bolt. One of the three washers per bolt and two bolt keeper plates go between the base plates. Orient the bolt keeper plates in the Directions of Traffic. c. Use shim stock as required to plumb the column.
- d. Tighten all bolts to the maximum possible with a 12" to 15" wrench. (This will bed the washers and shims and clear the bolt threads.)
- e. Loosen each bolt one turn and using a calibrated wrench retighten to the prescribed torque (see table) under the supervision of the Project Engineer.
- f. Burr threads at junction with nut using a center punch to prevent nut loosening.
- 7. Use galvanized steel shims to obtain a tight fit between the column face and the sleeve. Place shims in all quadrants between the $\frac{1}{2}$ Ø sleeve bolts. Use shims that are 1" shorter than the height of the sleeve.
- 8. Both fabricated and cast base assemblies were impact tested by the Texas Transportation Institute, College Station, TX on February 10, 2003, and both alternate assemblies were determined to be compliant with the performance recommendations of the National Cooperative Highway Research Program (NCHRP) report 350.

Bottom Concrete Surface

Column	Sleeve	Sleeve	Weld	Base		
Size	I.D. (Max)	Height 'H'	'W'	' <i>L</i> '		
$4 \times \frac{1}{4}$	4½ ₁₆	6	5⁄8	8		
4 ¹ / ₂ " ¹ / ₄	4% ₁₆	6	<i>⁵</i> ⁄8	8		
5 x ¼	5½ ₁₆	7	-5⁄8	8		
6 x ¼	6½	8	11/ ₁₆	9		
8 x ⁵ ⁄16	8¼ ₁₆	10	3⁄4	11		
Note: Unloss noted atherwise, all dimensions ar						

Note: Unless noted otherwise, all dimensions are in inches.

REVISIONS					THE OF FLORD	2010 Interim Design Standard	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION		
01/01/10	DYW	Changed Note 6.b.					
07/01/10	DYW	Added 8" column to SLIP BASE DETAILS table.					SINGLE COLUMN GROUND SIGNS
01/01/11	DYW	Changed dimensions in details.				OF TRANS	



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