

DESIGN CRITERIA:

1. DESIGN BASED ON 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS INCLUDING 2002 INTERIM SPECIFICATIONS WITH THE FOLLOWING DESIGN CRITERIA:
 - BASIC WIND SPEED (V) = 90 MPH (3-SECOND GUST)
 - WIND IMPORTANCE FACTOR (I_f) = 0.71 (10 YEAR DESIGN LIFE)
 - BENDING COEFFICIENT (C_b) = 1.30
 - FATIGUE IS NOT CONSIDERED FOR ROADSIDE SIGNS.
2. EMBEDMENT OF FOOTINGS IS BASED ON BROMS' METHOD OUTLINED IN THE AASHTO SPECIFICATIONS. SEE SHEET 7 FOR SOIL PROPERTIES.
3. MINIMUM POST HEIGHT BETWEEN GROUND LEVEL AND BOTTOM OF SIGN WILL BE 7 FT. WHENEVER THE POST IS LOCATED IN THE CLEAR ZONE AS DEFINED IN PUBLICATION 13M.

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION**
BUREAU OF OPERATIONS

POST-MOUNTED SIGNS, TYPE A

ERCTION DETAILS

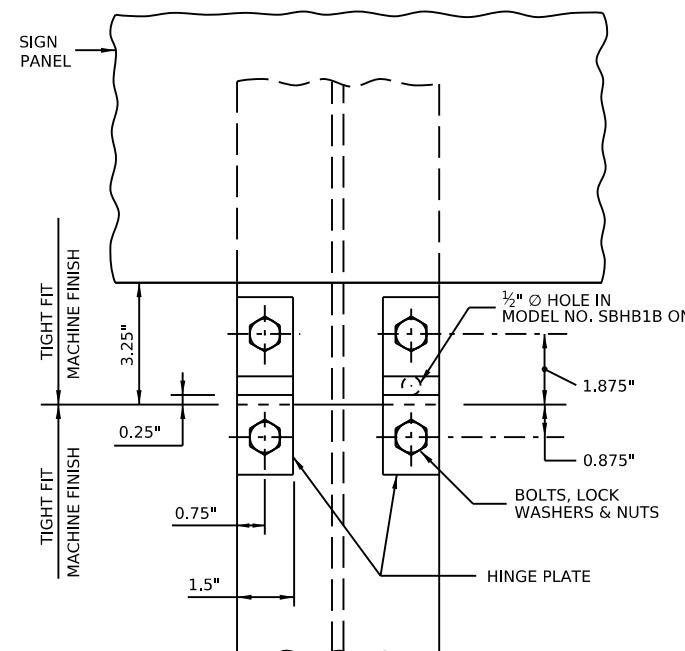
RECOMMENDED _____	RECOMMENDED _____	SHEET 1 OF 7
MANAGER, TRAFFIC ENGINEERING AND PERMITS SECTION		CHIEF, HIGHWAY SAFETY AND TRAFFIC OPERATIONS DIVISION

POST SELECTION TABLE - TWO POSTS																		
W FT	L _B FT	HEIGHT "H" IN FT																
		4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'	
6'	7'	P1	P1	P1	P1	P1	P1	P1	P2	P2	P3	P3	P3	P3	P3	-	-	
	8'	P1	P1	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P3	-	-	-	
	9'	P1	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P3	-	-	-	-	
	10'	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P3	P3	-	-	-	-	
	11'	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P3	-	-	-	-	-	
	12'	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	-	-	-	-	-	-	
	13'	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	-	-	-	-	-	-	
	14'	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	-	-	-	-	-	-	
	15'	P1	P2	P2	P2	P3	P3	P3	-	-	-	-	-	-	-	-	-	
	16'	P1	P2	P2	P3	P3	P3	P3	-	-	-	-	-	-	-	-	-	
	17'	P2	P2	P2	P3	P3	P3	-	-	-	-	-	-	-	-	-	-	
	7'	P1	P1	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P3	-	-	-	
	8'	P1	P1	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	-	-	-	-	
	9'	P1	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P3	-	-	-	-	
7'	10'	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P3	-	-	-	-	-	
	11'	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	-	-	-	-	-	-	
	12'	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	-	-	-	-	-	-	
	13'	P1	P1	P2	P2	P3	P3	P3	P3	-	-	-	-	-	-	-	-	
	14'	P1	P2	P2	P3	P3	P3	P3	-	-	-	-	-	-	-	-	-	
	15'	P1	P2	P2	P3	P3	P3	P3	-	-	-	-	-	-	-	-	-	
	16'	P2	P2	P3	P3	P3	P3	P3	-	-	-	-	-	-	-	-	-	
	17'	P2	P2	P3	P3	P3	P3	P3	-	-	-	-	-	-	-	-	-	
	7'	P1	P1	P1	P1	P1	P1	P2	P2	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	8'	P1	P1	P1	P1	P1	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	9'	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	10'	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	11'	P1	P1	P2	P2	P3	P3	P3	P3	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	12'	P1	P1	P2	P2	P3	P3	P3	P3	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	13'	P1	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	
	14'	P1	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
	15'	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
	16'	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
	17'	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
8'	7'	P1	P1	P1	P1	P1	P1	P2	P2	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P6 *	
	8'	P1	P1	P1	P1	P1	P1	P2	P2	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	9'	P1	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	10'	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	11'	P1	P1	P2	P2	P3	P3	P3	P3	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	12'	P1	P1	P2	P2	P3	P3	P3	P3	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	13'	P1	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	
	14'	P1	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
	15'	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
	16'	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
	17'	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
	7'	P1	P1	P1	P1	P1	P1	P2	P2	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P6 *	
	8'	P1	P1	P1	P1	P1	P1	P2	P2	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	9'	P1	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
9'	10'	P1	P1	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *
	11'	P1	P1	P2	P2	P3	P3	P3	P3	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	12'	P1	P1	P2	P2	P3	P3	P3	P3	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	13'	P1	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	
	14'	P1	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
	15'	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
	16'	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
	17'	P2	P2	P3	P3	P3	P3	P4 *	P4 *	P4 *	P4 *	P5 *	P5 *	P7 *	P7 *	P8 *	P10 *	
	7'	P1	P1	P1	P1	P1	P1	P2	P2	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P6 *	
	8'	P1	P1	P1	P1	P1	P1	P2	P2	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	9'	P1	P1	P1	P1	P1	P2	P2	P2	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	10'	P1	P1	P1	P1	P1	P1	P2	P2	P2	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	
	11'	P1	P1	P2	P2	P3	P3	P3	P3	P3	P3	P3	P4 *	P4 *	P5 *	P5 *	P7 *	

(TABLE CONTINUED FROM SHEET 2)

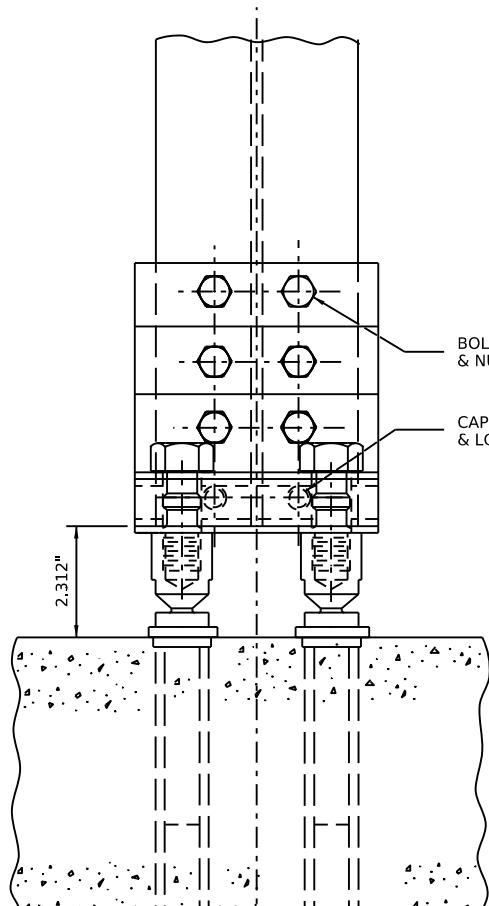
W (FEET)	L _B (FEET)	POST SELECTION TABLE - TWO POSTS																
		HEIGHT "H" (FEET)																
4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'	16'	17'	18'	19'			
15'	7'	P1	P1	P1	P2	P2	P3	P3	P4	P5	P6	P6	P7	P7	P8	P10		
	8'	P1	P1	P2	P2	P3	P3	P3	P4	P4	P5	P6	P7	P7	P8	P10	P10	
	9'	P1	P1	P2	P3	P3	P3	P4	P4	P5	P5	P7	P7	P8	P9	P10	P10	
	10'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P5	P7	P7	P8	P10	P10	P10	
	11'	P1	P2	P3	P3	P3	P4	P5	P5	P7	P7	P7	P8	P10	P10	P10		
	12'	P2	P2	P3	P3	P3	P5	P5	P6	P7	P7	P8	P9	P10	P10			
	13'	P2	P3	P3	P3	P4	P5	P5	P7	P7	P8	P9	P10	P10	P10			
	14'	P2	P3	P3	P4	P5	P5	P7	P7	P7	P8	P10	P10	P10				
	15'	P3	P3	P3	P4	P5	P5	P7	P7	P8	P10	P10						
	16'	P3	P3	P4	P5	P5	P7	P7	P8	P9								
16'	7'	P1	P1	P1	P2	P2	P3	P3	P4	P5	P6	P7	P7	P7	P8	P10		
	8'	P1	P1	P2	P2	P3	P3	P3	P4	P5	P5	P6	P7	P7	P8	P10	P10	
	9'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P5	P7	P7	P8	P10	P10	P10	
	10'	P1	P2	P2	P3	P3	P4	P4	P5	P5	P5	P7	P7	P8	P9	P10	P10	
	11'	P2	P2	P3	P3	P3	P4	P5	P5	P5	P7	P7	P8	P9	P10	P10	P10	
	12'	P2	P2	P3	P3	P4	P4	P5	P5	P7	P7	P7	P8	P10	P10	P10		
	13'	P2	P3	P3	P4	P4	P5	P6	P7	P7	P8	P10	P10	P10				
	14'	P2	P3	P3	P4	P4	P5	P5	P7	P7	P8	P9	P10	P10				
	15'	P3	P3	P4	P5	P5	P7	P7	P8	P10	P10	P10						
	16'	P3	P3	P4	P5	P5	P7	P7	P8	P10	P10	P10						
17'	7'	P1	P1	P2	P2	P3	P3	P3	P4	P4	P5	P6	P7	P7	P7	P8	P10	
	8'	P1	P1	P2	P2	P3	P3	P3	P4	P5	P5	P7	P7	P7	P8	P10	P10	
	9'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P5	P7	P7	P8	P9	P10	P10	
	10'	P1	P2	P3	P3	P4	P4	P5	P5	P5	P5	P7	P7	P8	P10	P10	P10	
	11'	P2	P2	P3	P3	P3	P4	P5	P5	P6	P7	P7	P8	P10	P10	P10		
	12'	P2	P3	P3	P3	P4	P5	P5	P7	P7	P7	P8	P10	P10	P10			
	13'	P2	P3	P3	P4	P5	P5	P7	P7	P7	P8	P10	P10	P10				
	14'	P2	P3	P3	P4	P4	P5	P5	P7	P7	P8	P10	P10	P10				
	15'	P3	P3	P4	P5	P5	P7	P7	P8	P10	P10	P10						
	16'	P3	P3	P4	P5	P5	P7	P7	P8	P10	P10	P10						
18'	7'	P1	P1	P2	P2	P3	P3	P3	P4	P4	P5	P6	P6	P7	P7	P8	P9	P10
	8'	P1	P1	P2	P2	P3	P3	P3	P4	P4	P5	P6	P7	P7	P8	P10	P10	P10
	9'	P1	P2	P2	P3	P3	P3	P4	P4	P5	P5	P7	P7	P8	P10	P10	P10	
	10'	P1	P2	P3	P3	P3	P4	P4	P5	P5	P5	P7	P7	P8	P10	P10	P10	
	11'	P2	P2	P3	P3	P4	P4	P5	P5	P7	P7	P7	P9	P10	P10	P10		
	12'	P2	P3	P3	P4	P4	P5	P5	P7	P7	P7	P8	P10	P10	P10			
	13'	P2	P3	P3	P4	P4	P5	P5	P7	P7	P8	P10	P10	P10				
	14'	P3	P3	P4	P4	P5	P5	P7	P7	P8	P10	P10	P10					
	15'	P3	P3	P4	P4	P5	P5	P7	P7	P8	P10	P10	P10					
	16'	P3	P4	P5	P5	P7	P7	P8	P8	P9	P10	P10	P10					
19'	7'	P1	P1	P2	P2	P3	P3	P3	P4	P4	P5	P6	P6	P7	P7	P8	P10	P10
	8'	P1	P2	P2	P3	P3	P3	P4	P4	P5	P5	P7	P7	P7	P8	P10	P10	P10
	9'	P1	P2	P2	P3	P3	P4	P4	P5	P5	P5	P7	P7	P8	P10	P10	P10	
	10'	P2	P2	P3	P3	P3	P4	P4	P5	P5	P5	P7	P7	P8	P10	P10		
	11'	P2	P2	P3	P3	P4	P4	P5	P5	P5	P7	P7	P8	P10	P10			
	12'	P2	P3	P3	P4	P4	P5	P5	P7	P7	P7	P8	P9	P10	P10			
	13'	P2	P3	P4	P4	P5	P6	P7	P7	P8	P10	P10	P10					
	14'	P3	P3	P4	P4	P5	P5	P7	P7	P8	P10	P10	P10					
	15'	P3	P3	P4	P4	P5	P7	P7	P8	P10	P10	P10						
	16'	P3	P4	P5	P7	P7	P8	P8	P9	P10	P10	P10						
20'	7'	P1	P1	P2	P2	P3	P3	P4	P4	P5	P6	P6	P7	P7	P8	P9	P10	P10
	8'	P1	P2	P2	P3	P3	P4	P4	P5	P5	P6	P7	P7	P7	P8	P10	P10	
	9'	P1	P2	P3	P3	P4	P4	P4	P5	P5	P5	P7	P7	P8	P10	P10	P10	
	10'	P2	P2	P3	P3	P4	P4	P4	P5	P5	P5	P7	P7	P9	P10	P10	P10	
	11'	P2	P3	P3	P3	P4	P4	P5	P5	P5	P7	P7	P8	P10	P10	P10		
	12'	P2	P3	P3	P4	P4	P5	P5	P7	P7	P7	P8	P10	P10	P10			
	13'	P3	P3	P3	P4	P4	P5	P5	P7	P7	P7	P9	P10	P10	P10			

POST SELECTION TABLE - THREE POSTS													
W (FEET)	L _B (FEET)	HEIGHT "H" (FEET)											
		4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'
22'	7'	P1	P1	P1	P2	P2	P3	P3	P3	P4	P5	P5	P6
	8'	P1	P1	P2	P2	P3	P3	P3	P4	P4	P5	P5	P7
	9'	P1	P1	P2	P2	P3	P3	P3	P4	P4	P5	P5	P7
	10'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P5	P7	P8
	11'	P1	P2	P3	P3	P3	P4	P4	P5	P7	P7	P7	P8
	12'	P2	P2	P3	P3	P3	P4	P5	P5	P7	P7	P8	P10
	13'	P2	P3	P3	P3	P4	P5	P5	P5	P7	P7	P8	P10
	14'	P2	P3	P3	P4	P5	P5	P7	P7	P7	P8	P10	P10
	15'	P3	P3	P3	P4	P5	P5	P7	P7	P8	-	-	-
	16'	P3	P3	P4	P5	P5	P7	P7	P8	-	-	-	-
23'	7'	P1	P1	P1	P2	P2	P3	P3	P3	P4	P5	P6	P6
	8'	P1	P1	P2	P2	P3	P3	P3	P4	P5	P5	P6	P7
	9'	P1	P2	P2	P3	P3	P3	P4	P4	P5	P5	P7	P7
	10'	P1	P2	P2	P3	P3	P3	P4	P4	P5	P5	P7	P8
	11'	P2	P2	P3	P3	P3	P4	P5	P5	P7	P7	P8	P10
	12'	P2	P2	P3	P3	P4	P5	P5	P5	P7	P7	P7	P8
	13'	P2	P3	P3	P4	P5	P5	P5	P7	P7	P8	P10	P10
	14'	P2	P3	P3	P4	P5	P5	P7	P7	P7	P8	P10	P10
	15'	P3	P3	P4	P4	P5	P5	P7	P7	P8	-	-	-
	16'	P3	P3	P4	P5	P5	P7	P7	P8	-	-	-	-
24'	7'	P1	P1	P1	P2	P2	P3	P3	P3	P4	P5	P6	P7
	8'	P1	P1	P2	P2	P3	P3	P3	P4	P5	P5	P6	P7
	9'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P5	P7	P7
	10'	P1	P2	P2	P3	P3	P3	P4	P4	P5	P5	P7	P8
	11'	P2	P2	P3	P3	P3	P4	P5	P5	P7	P7	P8	P10
	12'	P2	P2	P3	P3	P4	P5	P5	P5	P7	P7	P8	P10
	13'	P2	P3	P3	P4	P5	P5	P6	P7	P7	P8	P10	P10
	14'	P2	P3	P3	P4	P5	P5	P7	P7	P8	P9	P10	P10
	15'	P3	P3	P4	P4	P5	P5	P7	P7	P8	-	-	-
	16'	P3	P3	P4	P5	P5	P7	P7	P8	-	-	-	-
25'	7'	P1	P1	P1	P2	P2	P3	P3	P3	P4	P4	P5	P7
	8'	P1	P1	P2	P2	P3	P3	P3	P4	P5	P5	P6	P7
	9'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P5	P7	P7
	10'	P1	P2	P2	P3	P3	P3	P4	P4	P5	P5	P7	P8
	11'	P2	P2	P3	P3	P3	P4	P5	P5	P6	P7	P7	P8
	12'	P2	P3	P3	P3	P4	P5	P5	P5	P7	P7	P8	P10
	13'	P2	P3	P3	P4	P5	P5	P7	P7	P7	P8	P10	P10
	14'	P2	P3	P3	P4	P5	P5	P7	P7	P8	P10	P10	P10
	15'	P3	P3	P4	P4	P5	P5	P7	P7	P8	P9	P10	P10
	16'	P3	P3	P4	P5	P5	P7	P7	P8	-	-	-	-
26'	7'	P1	P1	P1	P2	P2	P3	P3	P3	P4	P5	P6	P7
	8'	P1	P1	P2	P2	P3	P3	P3	P4	P5	P5	P6	P7
	9'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P5	P7	P9
	10'	P1	P2	P3	P3	P3	P4	P5	P5	P7	P7	P8	P10
	11'	P2	P2	P3	P3	P3	P4	P5	P5	P7	P7	P8	P10
	12'	P2	P3	P3	P3	P4	P5	P5	P7	P7	P8	P10	P10
	13'	P2	P3	P3	P4	P5	P5	P7	P7	P8	P9	P10	P10
	14'	P3	P3	P4	P4	P5	P5	P7	P7	P8	P10	P10	P10
	15'	P3	P3	P4	P5	P5	P7	P7	P8	P9	P10	P10	P10
	16'	P3	P4	P5	P5	P7	P7	P8	-	-	-	-	-
27'	7'	P1	P1	P2	P2	P3	P3	P3	P4	P5	P6	P6	P7
	8'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P6	P7	P8
	9'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P7	P7	P10
	10'	P2	P2	P3	P3	P3	P4	P5	P5	P7	P7	P8	P10
	11'	P2	P2	P3	P3	P4	P5	P5	P5	P7	P7	P8	P10
	12'	P2	P3	P3	P4	P5	P5	P7	P7	P8	P10	P10	P10
	13'	P2	P3	P3	P4	P5	P5	P7	P7	P8	P10	P10	P10
	14'	P3	P3	P4	P5	P5	P7	P7	P9	P10	P10	P10	-
	15'	P3	P3	P4	P5	P5	P7	P7	P8	P9	P10	P10	-
	16'	P3	P4	P5	P5	P7	P7	P8	-	-	-	-	-
28'	7'	P1	P1	P1	P2	P2	P3	P3	P3	P4	P5	P6	P7
	8'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P6	P7	P8
	9'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P5	P7	P8
	10'	P2	P2	P3	P3	P3	P4	P5	P5	P7	P7	P8	P10
	11'	P2	P2	P3	P3	P4	P5	P5	P5	P7	P7	P8	P10
	12'	P2	P3	P3	P4	P5	P5	P7	P7	P8	P9	P10	P10
	13'	P2	P3	P3	P4	P5	P5	P7	P7	P8	P10	P10	P10
	14'	P3	P3	P4	P4	P5	P5	P7	P7	P8	P10	P10	P10
	15'	P3	P3	P4	P5	P6	P7	P7	P8	-	-	-	-
	16'	P3	P4	P5	P5	P7	P7	P8	-	-	-	-	-
29'	7'	P1	P1	P2	P2	P3	P3	P3	P4	P5	P6	P7	P7
	8'	P1	P2	P2	P3	P3	P3	P4	P5	P5	P7	P7	P8
	9'	P1	P2	P2	P3	P3	P4	P5	P5	P6	P7	P7	P9
	10'	P2	P2	P3	P3	P3	P4	P5	P5	P7	P7	P8	P10
	11'	P2	P3	P3	P3	P4	P5	P5	P5	P7	P7	P8	P10
	12'	P2	P3</										

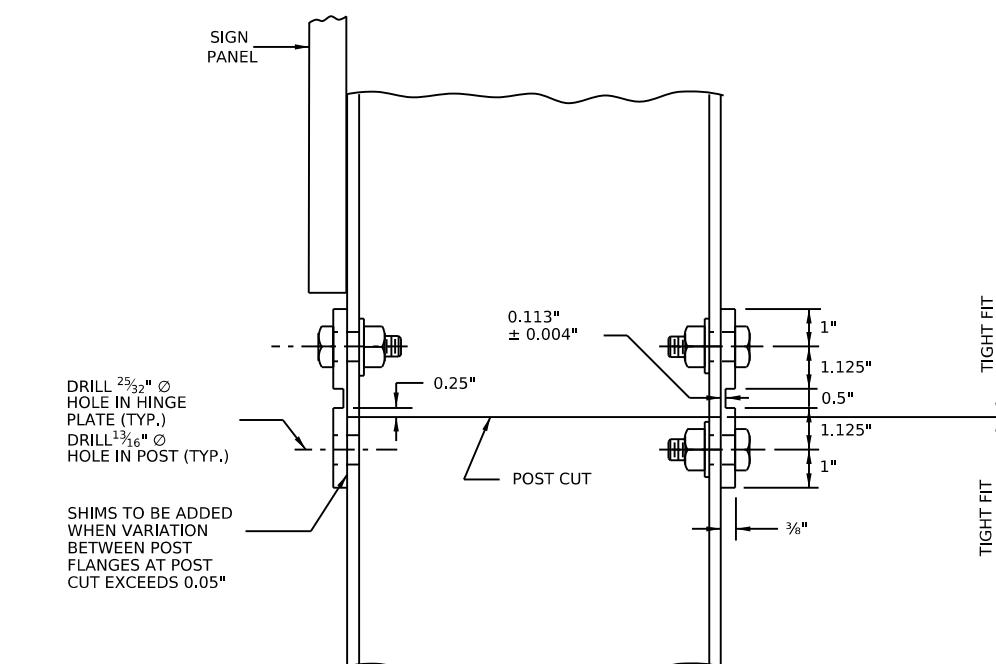


BREAKAWAY ASSEMBLIES

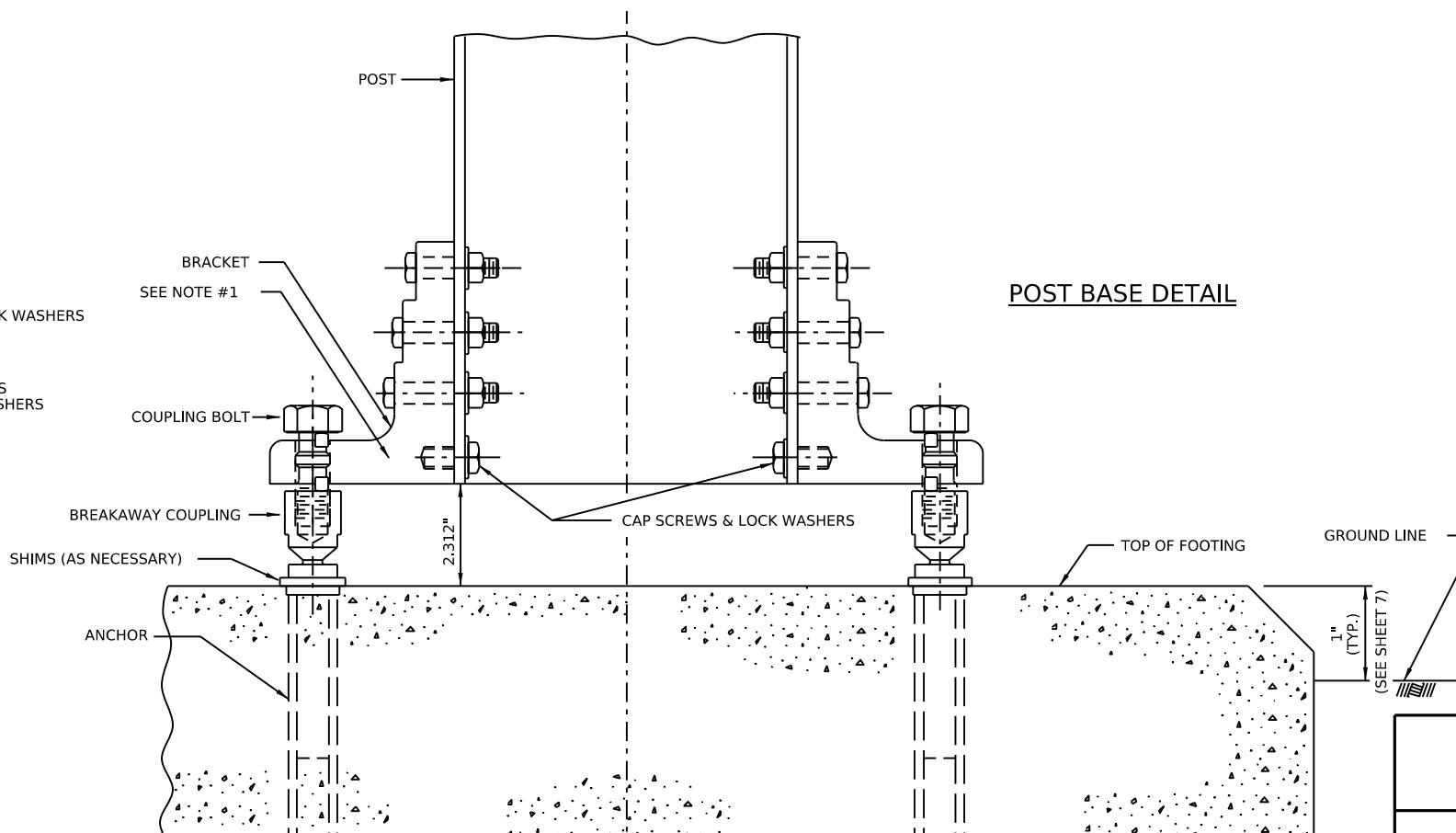
TO BE FROM A SUPPLIER
LISTED IN BULLETIN 15.



FRONT VIEW



POST HINGE DETAIL



SIDE VIEW

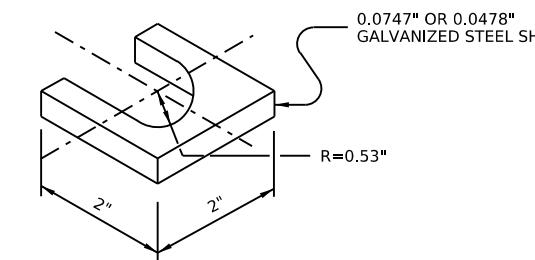
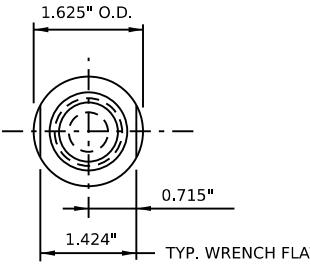
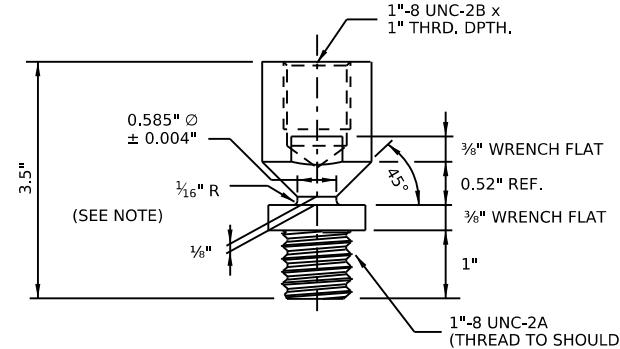
NOTES:

1. THE BRACKET NUMBER IS STAMPED ON THE BRACKET.
2. BOLT THE BRACKETS TO POST, THEN PLACE POST AND CONNECTED BRACKET TO BREAKAWAY COUPLING.
3. FOR BRACKET, BREAKAWAY COUPLING, COUPLING BOLT, AND SHIM DETAILS, REFER TO SHEET 6.
4. FOR FOOTING AND ANCHOR DETAILS, REFER TO SHEET 7.
5. ALL BOLTS SHALL BE TIGHTENED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. FASTENERS, EXCEPT FOR SPECIAL BOLT AND COUPLING, ARE INSTALLED WITH LOCKWASHERS. FASTENERS, INCLUDING SPECIAL BOLT AND COUPLING, SHOULD BE SECURED AS TIGHT AS POSSIBLE WITH CONVENTIONAL WRENCHES. DO NOT USE A PIPE WRENCH. USE LOWER WRENCH FLATS TO TIGHTEN COUPLINGS INTO ANCHORS. TIGHTEN SPECIAL BOLTS WHILE HOLDING COUPLINGS BY THE UPPER WRENCH FLATS WITH AN ADDITIONAL WRENCH TO PREVENT AN INDUCED TORQUE STRESS ACROSS THE NECKED PORTION OF THE COUPLING.
6. SHIMS BETWEEN THE COUPLINGS AND ANCHORS SHOULD BE LIMITED TO TWO SHIMS UNDERNEATH ANY ONE COUPLING AND THREE SHIMS UNDERNEATH ANY TWO COUPLINGS.

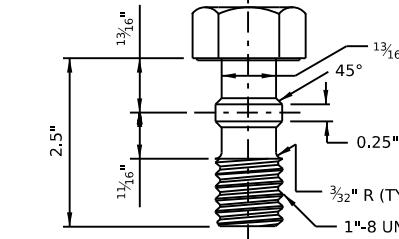
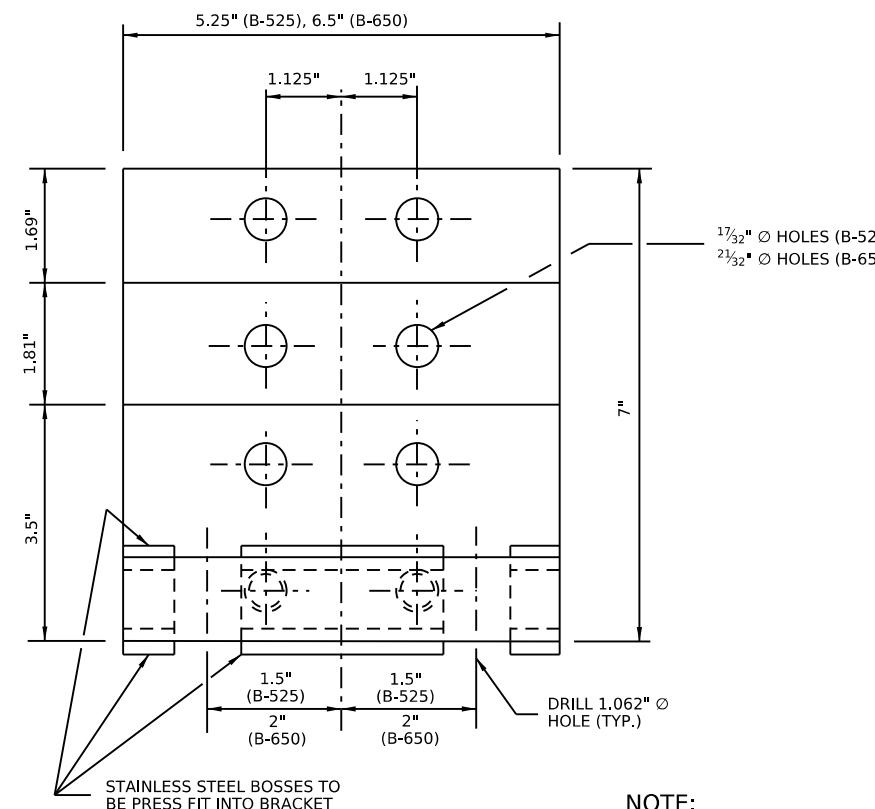
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

POST-MOUNTED SIGNS,
TYPE APOST BASE AND
HINGE DETAILS

RECOMMENDED _____	RECOMMENDED _____	SHEET 5 OF 7
MANAGER, TRAFFIC ENGINEERING AND PERMITS SECTION		CHIEF, HIGHWAY SAFETY AND TRAFFIC OPERATIONS DIVISION

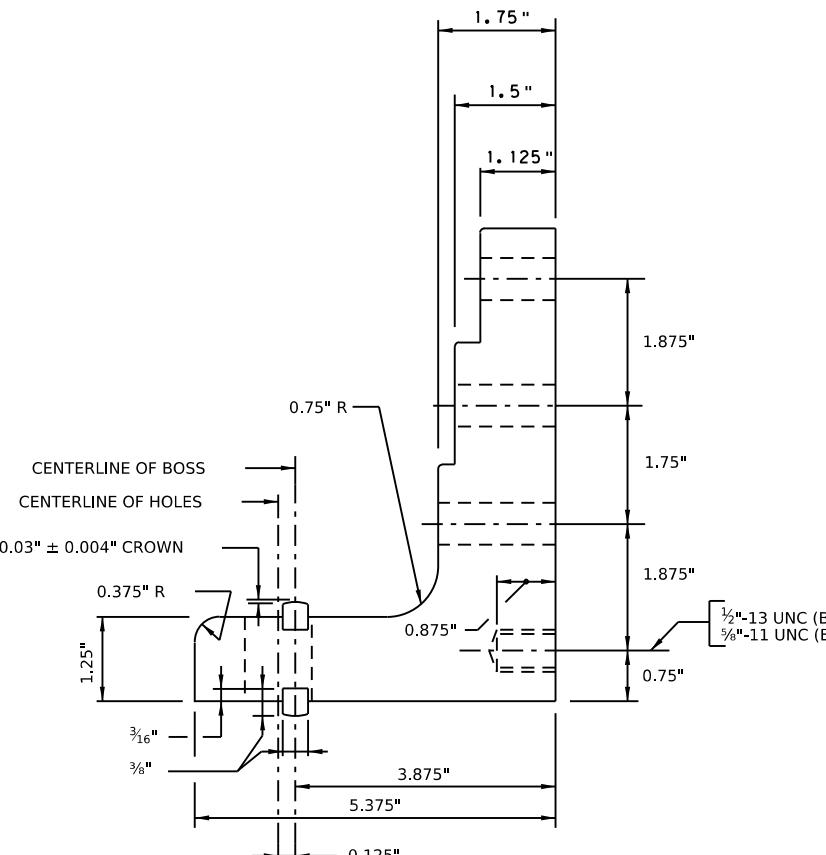
SHIM DETAILBREAKAWAY COUPLING DETAIL

NOTE: DO NOT PLACE TORQUE ACROSS NECK PORTION OF COUPLING.

COUPLING BOLT DETAIL

NOTE:

1. B-525 BRACKETS USED ON W6 & W8 POSTS. B-650 BRACKETS USED ON W10, W14, & W18 POSTS.

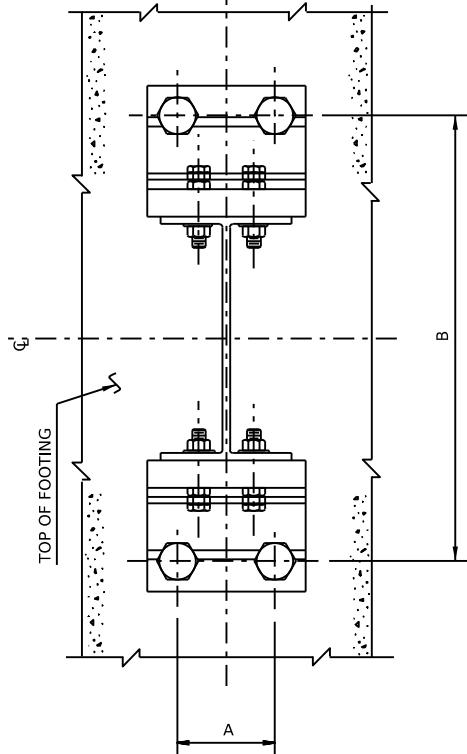
BRACKET DETAIL

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

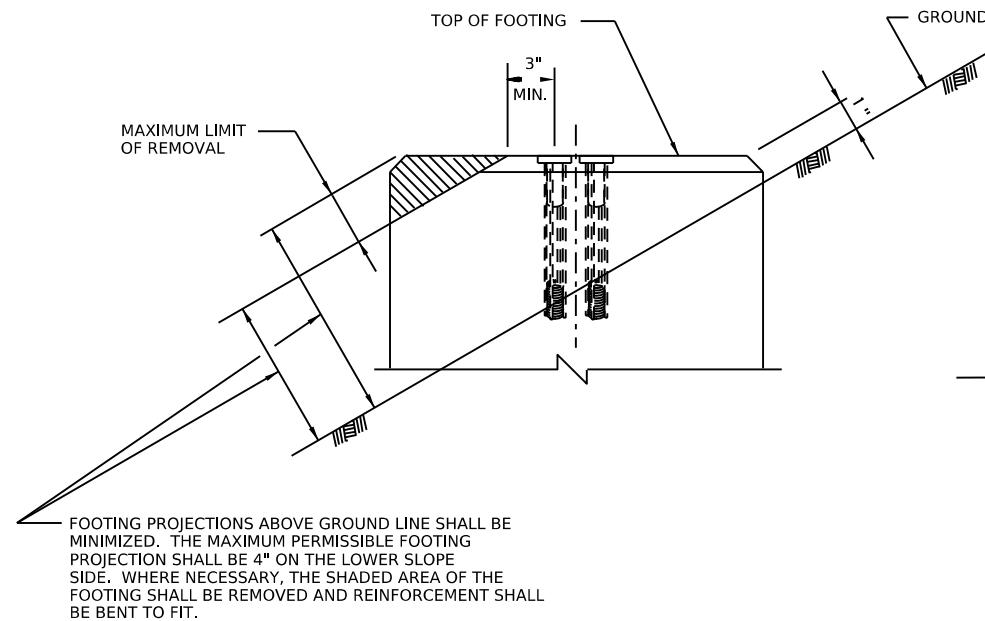
POST-MOUNTED SIGNS,
TYPE A

BREAKAWAY COUPLING AND
BRACKET DETAILS

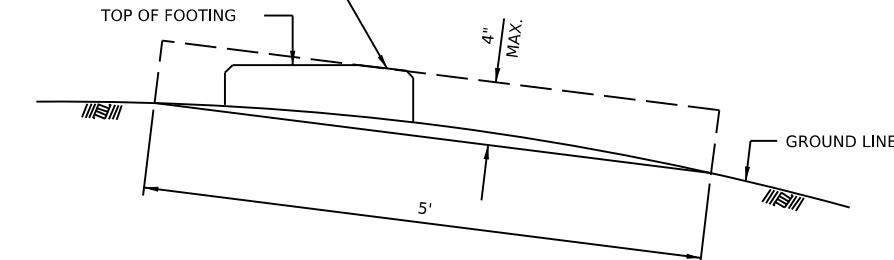
RECOMMENDED	RECOMMENDED	SHEET 6 OF 7
MANAGER, TRAFFIC ENGINEERING AND PERMITS SECTION	CHIEF, HIGHWAY SAFETY AND TRAFFIC OPERATIONS DIVISION	TC-8702A



PLAN



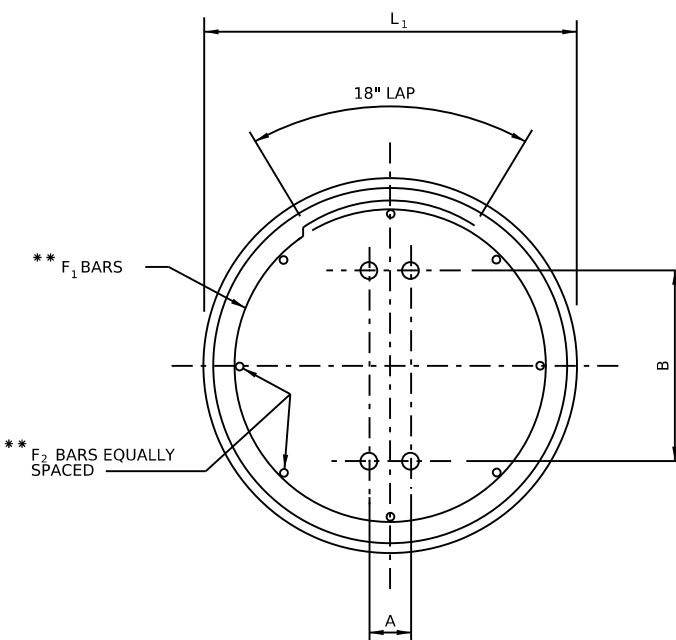
TO AVOID UNDERCARRIAGE SNAGGING ON CONVEX GROUND PROFILES, THE TOP OF THE FOOTING SHALL NOT PROTECT MORE THAN 4 INCHES ABOVE ANY 5 FT. CHORD ALIGNED PERPENDICULARLY TO THE EDGE OF THE ROADWAY BETWEEN A POINT ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE OF THE SUPPORT.



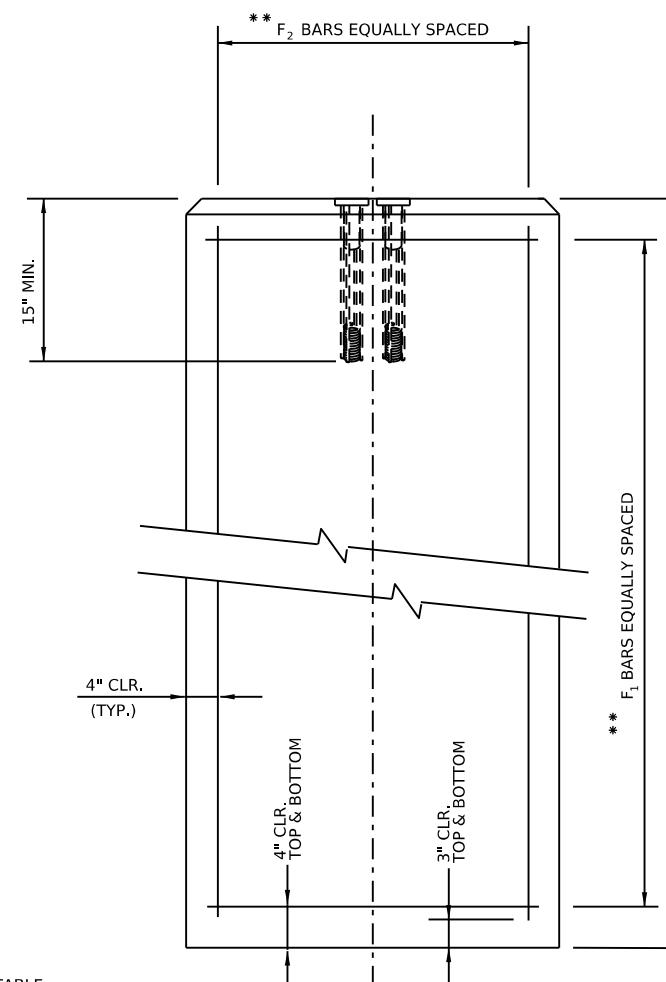
POST SIZE	L ₁ * (FEET)	DEPTH K ₁ (FEET)	REINF. STEEL F ₁	REINF. STEEL F ₂
W6	2.5	7.50	8-#4	8-#7
W8		8.50	9-#4	8-#7
W10	3.0	9.00	10-#4	10-#7
W14			10-#4	12-#7
W18	3.5	9.50	10-#4	12-#7

* DIAMETER IF CIRCULAR OR MINIMUM SIDE IF SQUARE OR RECTANGULAR

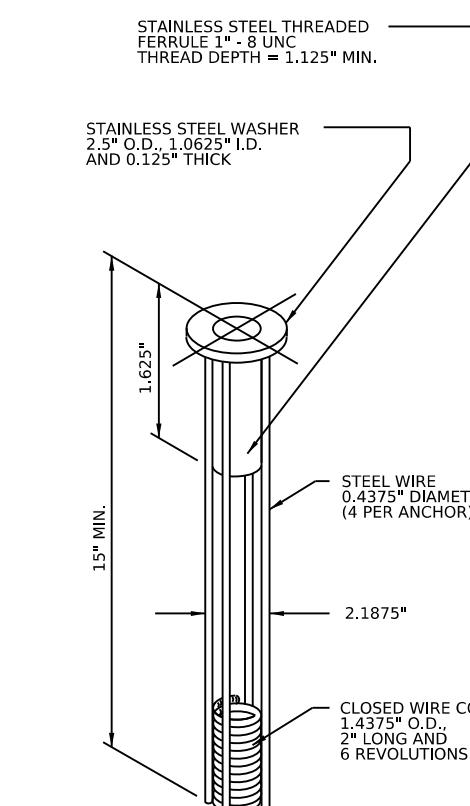
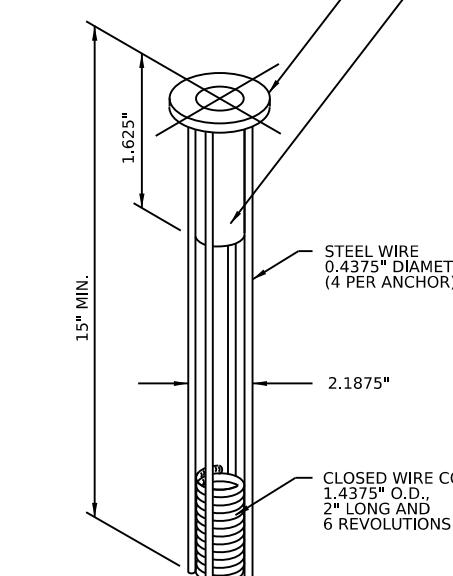
FOOTING SELECTION TABLE



TOP VIEW



SIDE VIEW

ANCHOR
(SEE NOTE 2)

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF OPERATIONS

POST-MOUNTED SIGNS,
TYPE A

FOOTING DETAILS

RECOMMENDED _____	RECOMMENDED _____	SHEET 7 OF 7
MANAGER, TRAFFIC ENGINEERING AND PERMITS SECTION		CHIEF, HIGHWAY SAFETY AND TRAFFIC OPERATIONS DIVISION