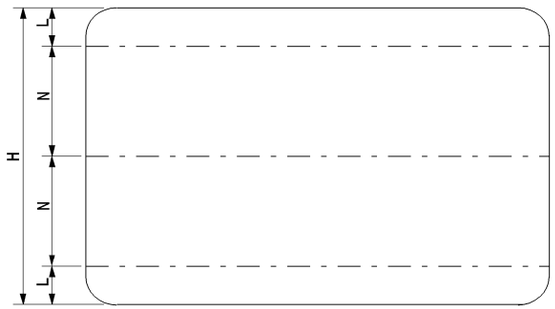
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

7-06

ENGLISH STANDARD DRAWING FOR

SIGN STRINGERS AND SUPPORT SPACING



NOTES:

1. FABRICATE SIGNS TALLER THAN 12′-0″ AS TWO SEPARATE SIGNS WITH A HORIZONTAL SPLICE.
2. FABRICATE SIGNS TALLER THAN 12′-0″ BUT SHORTER THAN 14′-6″ WITH A HORIZONTAL SPLICE LOCATED 7′-0″ FROM BOTTOM OF SIGN.
3. FABRICATE SIGNS TALLER THAN 14′-6″ WITH A HORIZONTAL SPLICE. LOCATE THE SPLICE AT LEAST HALF THE SIGN HEIGHT FROM THE BOTTOM AND AT LEAST 7′-0″ FROM THE TOP.

△ SUPPORT SPACING NOT APPLICABLE TO OVERHEAD SIGNS.

SECTION HEIGHTS FOR SIGNS TALLER THAN 12′ - 0″

HEIGHT	BOTTOM SECTION	HEIGHT	BOTTOM SECTION
14′ - 6″	7′ - 6″	19′ - 6″	10′ - 0″
15′ - 0″	7′ - 6″	20′ - 0″	10′ - 0″
15′ - 6″	8′ - 0″	20′ - 6″	10′ - 6″
16′ - 0″	8′ - 0″	21′ - 0	10′ - 6″
16′ - 6″	8′ - 6″	21′ - 6″	11′ - 0″
17′ - 0″	8′ - 6″	22′ - 0″	11′ - 0″
17′ - 6″	9′ - 0″	22′ - 6″	11′ - 6″
18′ - 0″	9′ - 0″	23′ - 0″	11′ - 6″
18′ - 6″	9′ - 6″	23′ - 6″	12′ - 0″
19′ - 0″	9′ - 6″	24′ - 0″	12′ - 0″

HEIGHT (H)		△ 2 STRINGERS L= .207H N= .586H		△ 3 STRINGERS L= .145H N= .355H		△ 4 STRINGERS L= .107H N= .262H		△ 5 STRINGERS L= .100H N= .200H	
IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.	FT.-IN.
24	2 - 0	0 - 6	1 - 0						
30	2 - 6	0 - 8	1 - 2						
36	3 - 0	0 - 8	1 - 8						
42	3 - 6	0 - 8.5	2 - 1						
48	4 - 0	0 -10.0	2 - 4						
54	4 - 6	0 -11.0	2 - 8						
60	5 - 0	1 - 0.5	2 -11	0 - 9.0	1 - 9.0				
66	5 - 6	1 - 1.5	3 - 3	0 -10.0	1 -11.0				
72	6 - 0	1 - 3.0	3 - 6	0 -10.5	2 - 1.5				
78	6 - 6	1 - 4.0	3 -10	0 -11.5	2 - 3.5				
84	7 - 0	1 - 5.5	4 - 1	1 - 0.0	2 - 6.0	0 - 9.0	1 -10.0		
90	7 - 6			1 - 1.0	2 - 8.0	0 - 9.0	2 - 0.0		
96	8 - 0			1 - 2.0	2 -10.0	0 -10.5	2 - 1.0		
102	8 - 6			1 - 3.0	3 - 0.0	0 -10.5	2 - 3.0		
108	9 - 0			1 - 3.5	3 - 2.5	1 - 0.0	2 - 4.0		
114	9 - 6			1 - 4.5	3 - 4.5	1 - 0.0	2 - 6.0		
120	10 - 0			1 - 5.5	3 - 6.5	1 - 1.5	2 - 7.0	1 - 0.0	2 - 0.0
126	10 - 6			1 - 6.5	3 - 8.5			1 - 1.0	2 - 1.0
132	11 - 0			1 - 7.0	3 -11.0			1 - 1.0	2 - 2.5
138	11 - 6			1 - 8.0	4 - 1.0			1 - 2.0	2 - 3.5
144	12 - 0			1 - 9.0	4 - 3.0			1 - 2.0	2 - 5.0

STRINGER SPACING

NUMBER OF STRINGERS REQUIRED

0.080 AND 0.125 SIGN FACES

NUMBER OF STRINGERS	MAXIMUM SIGN HEIGHT	
	0.080 FACE	0.125 FACE
2	4′ 6″	7′ 0″
3	7′ 0″	12′ 0″
4	10′ 0″	14′ 0″
5	12′ 0″	14′ 6″
6	14′ 0″	24′ 0″
7	17′ 0″	
8	20′ 0″	
9	22′ 0″	
10	24′ 0″	

STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

7-06

ENGLISH STANDARD DRAWING FOR

SIGN STRINGERS AND SUPPORT SPACING

SHEET 1 OF 2
901.70