


TIP NO. \_\_\_\_\_ SHEET NO. \_\_\_\_\_

DocuSigned by:  
*Matthew U. Springs*

APPROVED: \_\_\_\_\_  
5/26/2020

DATE: \_\_\_\_\_  
BC6UP6E8B84403

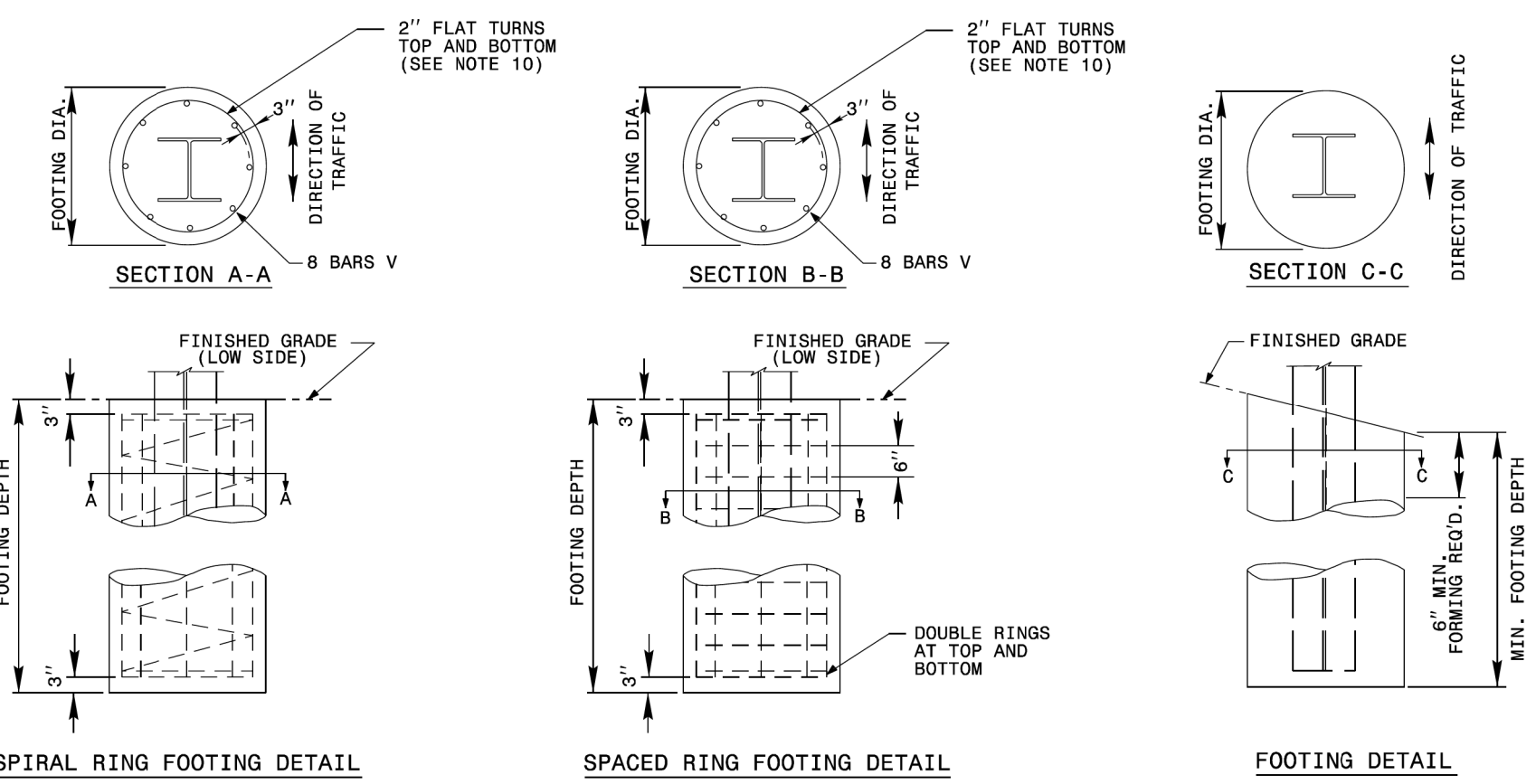
SEAL



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

5-20  
 ENGLISH DETAIL DRAWING FOR  
 GROUND MOUNTED SIGN SUPPORTS

BEAM SHAPE	SLIP BASE PLATE DATA										KEEPER PLATE DATA						HINGE CONNECTION DATA										BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.
	BOLT SIZE	A <sub>1</sub>	B <sub>1</sub>	C <sub>1</sub>	D <sub>1</sub>	E <sub>1</sub>	T <sub>1</sub>	R <sub>1</sub>	A <sub>2</sub>	B <sub>2</sub>	C <sub>2</sub>	D <sub>2</sub>	E <sub>2</sub>	R <sub>2</sub>	T <sub>2</sub>	BOLT SIZE	F	G	H	I	J	K	L	R <sub>3</sub>	T <sub>3</sub>		
S3X5.7	1/2" DIA. X 3/4"	7"	4"	1"	3/4"	2 1/2"	1"	5/8"	7"	4"	1"	3/4"	2 1/2"	5/8"	28 GAUGE	1/2" DIA. X 1 3/4"	2 1/4"	3 1/2"	4"	1 1/2"	1"	1 1/2"	2"	5/8"	3 3/8"	18	
S4X7.7	1/2" DIA. X 3/4"	8"	4"	1"	3/4"	2 1/2"	1"	5/8"	8"	4"	1"	3/4"	2 1/2"	5/8"	28 GAUGE	1/2" DIA. X 1 3/4"	2 5/8"	3 1/2"	4"	1 1/2"	1"	1 1/2"	2"	5/8"	3 3/8"	20	
W6X9	1/2" DIA. X 3/4"	10"	5"	1"	3/4"	3 1/2"	1"	5/8"	10"	5"	1"	3/4"	3 1/2"	5/8"	28 GAUGE	1/2" DIA. X 1 3/4"	4"	3 1/2"	4"	3/4"	1"	1 1/2"	2"	5/8"	3 3/8"	32	
W6X12	5/8" DIA. X 4"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/4"	1 1/2"	11"	5"	1 1/4"	7/8"	3 1/4"	1 1/2"	28 GAUGE	5/8" DIA. X 2"	4"	4"	4 1/2"	3/4"	1 1/2"	5/8"	2 1/4"	1 1/2"	3 3/8"	39	
W6X16	5/8" DIA. X 4 1/2"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	1 1/2"	12"	6"	1 1/4"	7/8"	4 1/4"	1 1/2"	28 GAUGE	5/8" DIA. X 2 1/4"	4"	4"	4 1/2"	3/4"	1 1/2"	5/8"	2 1/4"	1 1/2"	3 3/8"	47	
W8X18	5/8" DIA. X 4 1/2"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/2"	1 1/2"	13 1/2"	6 1/2"	1 1/4"	7/8"	4 3/4"	1 1/2"	28 GAUGE	5/8" DIA. X 2 1/4"	5 1/4"	4"	4 1/2"	1"	1 3/4"	5/8"	2 1/4"	1 1/2"	3 3/8"	70	
W8X21	3/4" DIA. X 4 1/2"	14"	7"	1 1/2"	1"	5"	1 1/2"	1 1/2"	14"	7"	1 1/2"	1"	5"	1 1/2"	28 GAUGE	3/4" DIA. X 2 1/2"	5 1/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/2"	3 3/8"	73	
W10X22	3/4" DIA. X 4 1/2"	16"	8"	1 1/2"	1"	6"	1 1/2"	1 1/2"	16"	8"	1 1/2"	1"	6"	1 1/2"	28 GAUGE	3/4" DIA. X 2 1/2"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/2"	3 3/8"	119	
W10X26	3/4" DIA. X 5 1/2"	16 1/2"	8"	1 1/2"	1"	6"	1 1/2"	1 1/2"	16 1/2"	8"	1 1/2"	1"	6"	1 1/2"	28 GAUGE	3/4" DIA. X 2 3/4"	5 3/4"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/2"	3 3/8"	140	
W12X26	3/4" DIA. X 5 1/2"	18 1/2"	9"	1 1/2"	1"	7"	1 1/2"	1 1/2"	18 1/2"	9"	1 1/2"	1"	7"	1 1/2"	28 GAUGE	3/4" DIA. X 2 3/4"	6 1/2"	6"	7"	1"	1 3/4"	3/4"	3 1/2"	1 1/2"	3 3/8"	176	
W14X30	1" DIA. X 6"	22"	9"	2"	1 1/2"	6"	2"	1 1/2"	22"	9"	2"	1 1/2"	6"	2"	28 GAUGE	1" DIA. X 3"	6 3/4"	7"	8"	1 1/4"	2"	1"	4"	1 1/2"	3 3/8"	205	
W16X31	1" DIA. X 6"	24"	9"	2"	1 1/2"	6"	2"	1 1/2"	24"	9"	2"	1 1/2"	6"	2"	28 GAUGE	1" DIA. X 3"	5 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 1/2"	3 3/8"	223	
W18X35	1" DIA. X 6"	25"	9"	2"	1 1/2"	6"	2"	1 1/2"	25"	9"	2"	1 1/2"	6"	2"	28 GAUGE	1" DIA. X 3"	6"	7"	8"	1 1/4"	2"	1"	4"	1 1/2"	3 3/8"	243	
W18X40	1" DIA. X 6 1/2"	26"	9"	2"	1 1/2"	6"	2 1/4"	1 1/2"	26"	9"	2"	1 1/2"	6"	2"	28 GAUGE	1" DIA. X 3 1/2"	6"	7"	8"	1 1/4"	2"	1"	4"	1 1/2"	3 3/8"	278	
W21X44	1" DIA. X 7"	29"	9"	2"	1 1/2"	6"	2 1/2"	1 1/2"	29"	9"	2"	1 1/2"	6"	2"	28 GAUGE	1" DIA. X 3 1/2"	6 1/2"	7"	8"	1 1/4"	2"	1"	4"	1 1/2"	3 3/8"	310	



FOUNDATION DATA *			
FOOTING DIAMETER	REINFORCEMENT	SPIRAL BAR	SPACED BAR
1'-6"	8 # 6 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
2'	8 # 7 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
2'-6"	8 # 9 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
3'	8 # 11 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
3'-6"	8 # 12 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE
4'	8 # 14 BARS	#3 BAR, 6" PITCH	#3 BAR, 6" SPACE

\* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

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5-20  
 ENGLISH DETAIL DRAWING FOR  
 GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3  
 903D10

REVISED SIGNING  
 ROADWAY STANDARD DRAWING

8:\1\2020\SEIB.079.00\_R-2561CA\TP\T-Office\Signing\R-2561CA\_SIGN-2C.dgn  
 05/11/2020 10:58:18 AM  
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