

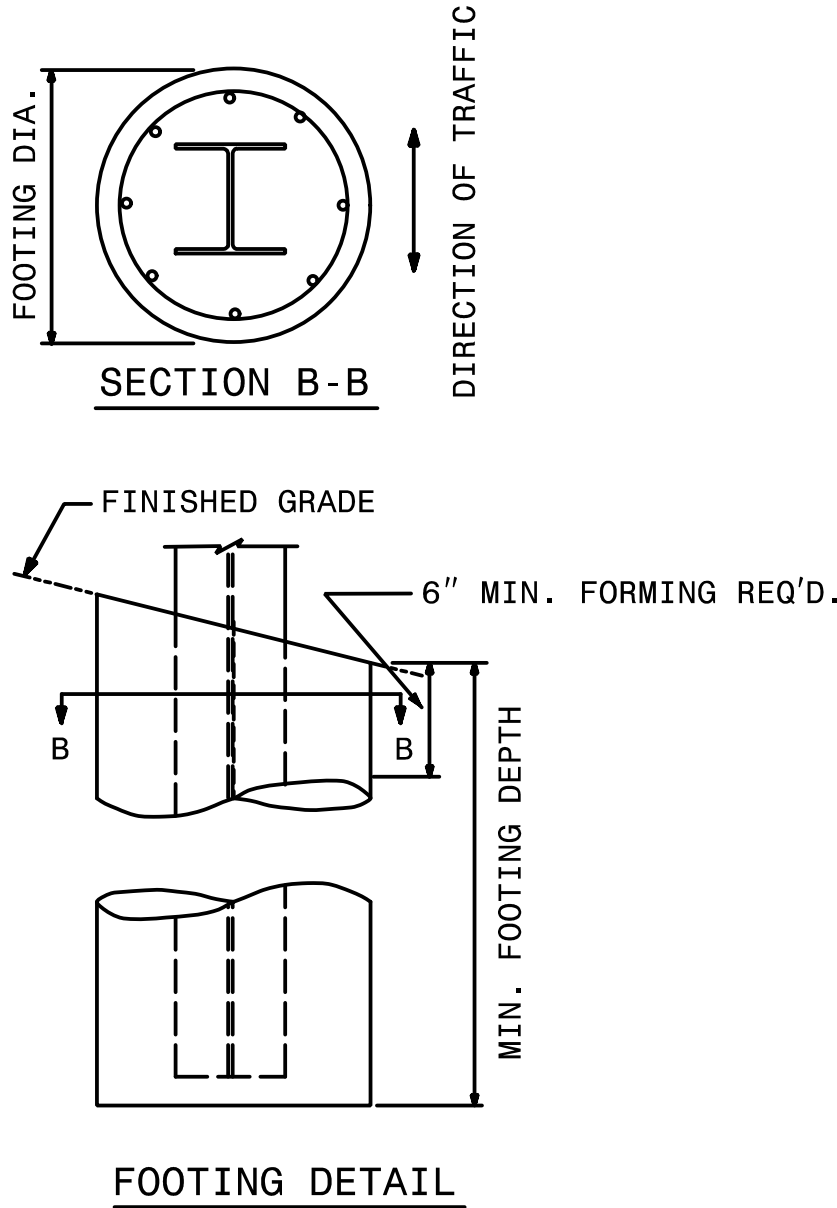
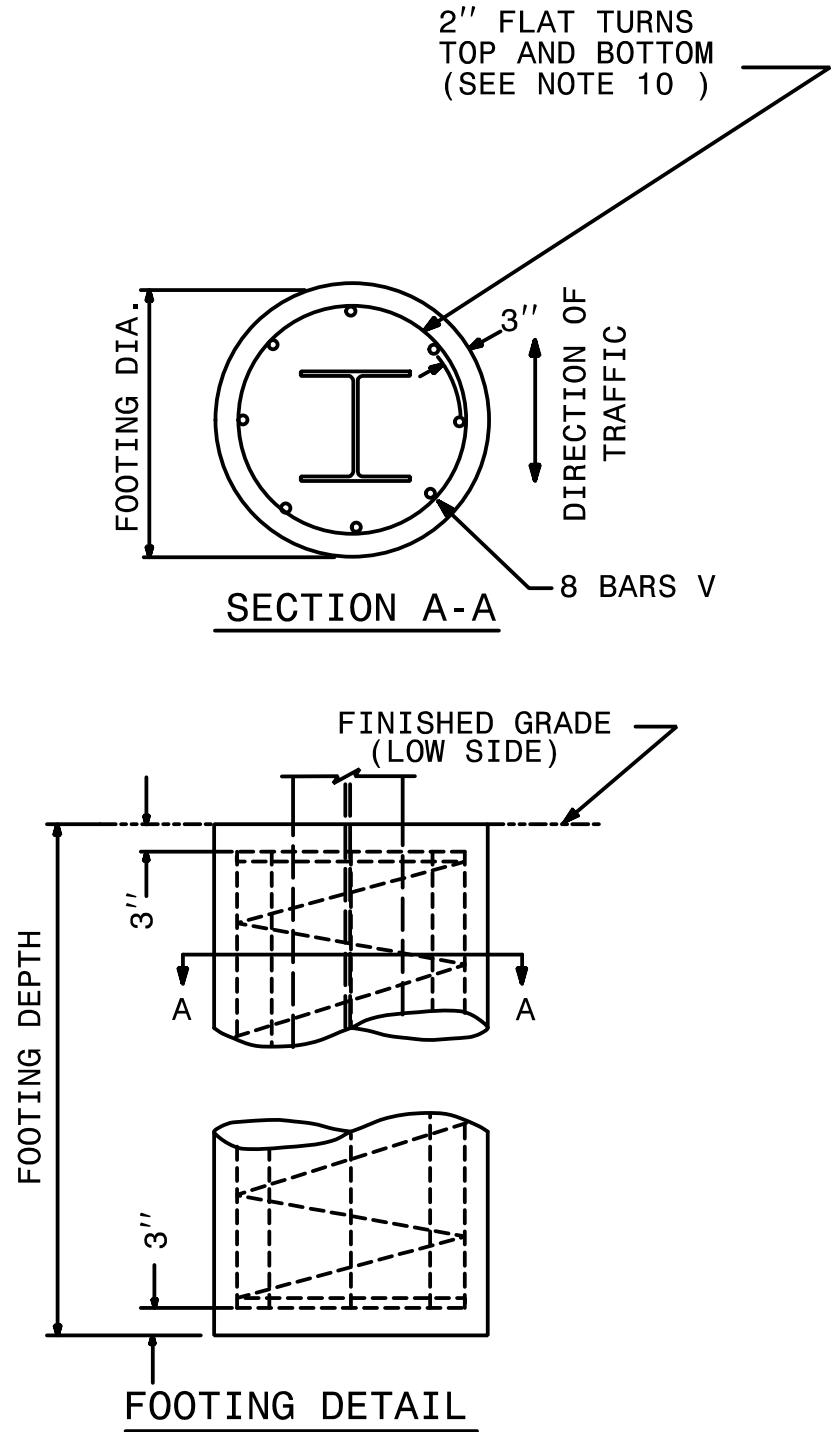
STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

1-12

ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3
903D10

	SLIP BASE PLATE DATA								KEEPER PLATE DATA								HINGE CONNECTION DATA										BREAK AWAY SUPPORT WEIGHT CONSTANT LBS.
BEAM SHAPE	BOLT SIZE	A ₁	B ₁	C ₁	D ₁	E ₁	T ₁	R ₁	A ₂	B ₂	C ₂	D ₂	E ₂	R ₂	T ₂	BOLT SIZE	F	G	H	I	J	K	L	R ₃	T ₃		
S3X5.7	½"DIA.X ¾"	7"	4"	1"	¾"	2½"	1"	⅝"	7"	4"	1"	¾"	2½"	⅝"	28 GAUGE	½"DIA.X1¾"	2¼"	3½"	4"	½"	1"	½"	2"	⅝"	⅜"	18	
S4X7.7	½"DIA.X ¾"	8"	4"	1"	¾"	2½"	1"	⅝"	8"	4"	1"	¾"	2½"	⅝"	28 GAUGE	½"DIA.X1¾"	2⅝"	3½"	4"	½"	1"	½"	2"	⅝"	⅜"	20	
W6X9	½"DIA.X ¾"	10"	5"	1"	¾"	3½"	1"	⅝"	10"	5"	1"	¾"	3½"	⅝"	28 GAUGE	½"DIA.X1¾"	4"	3½"	4"	¾"	1"	½"	2"	⅝"	⅜"	32	
W6X12	⅝"DIA.X 4"	11"	5"	1¼"	⅞"	3¼"	1¼"	1⅜"	11"	5"	1¼"	⅞"	3¼"	1⅜"	28 GAUGE	⅝"DIA.X 2"	4"	4"	4½"	¾"	1⅝"	⅝"	2¼"	1⅜"	⅜"	39	
W6X16	⅝"DIA.X 4½"	12"	6"	1¼"	⅞"	4¼"	1½"	1⅜"	12"	6"	1¼"	⅞"	4¼"	1⅜"	28 GAUGE	⅝"DIA.X2¼"	4"	4"	4½"	¾"	1⅝"	⅝"	2¼"	1⅜"	½"	47	
W8X18	⅝"DIA.X 4½"	13½"	6½"	1¼"	⅞"	4¾"	1½"	1⅜"	13½"	6½"	1¼"	⅞"	4¾"	1⅜"	28 GAUGE	⅝"DIA.X2¼"	5¼"	4"	4½"	1"	1⅝"	⅝"	2¼"	1⅜"	½"	70	
W8X21	¾"DIA.X 4½"	14"	7"	1½"	1"	5"	1½"	1⅜"	14"	7"	1½"	1"	5"	1⅜"	28 GAUGE	¾"DIA.X2½"	5¼"	6"	7"	1"	1¾"	¾"	3½"	1⅜"	½"	73	
W10X22	¾"DIA.X 4½"	16"	8"	1½"	1"	6"	1½"	1⅜"	16"	8"	1½"	1"	6"	1⅜"	28 GAUGE	¾"DIA.X2½"	5¾"	6"	7"	1"	1¾"	¾"	3½"	1⅜"	½"	119	
W10X26	¾"DIA.X 5½"	16½"	8"	1½"	1"	6"	1¾"	1⅜"	16½"	8"	1½"	1"	6"	1⅜"	28 GAUGE	¾"DIA.X2¾"	5¾"	6"	7"	1"	1¾"	¾"	3½"	1⅜"	5/8"	140	
W12X26	¾"DIA.X 5½"	18½"	9"	1½"	1"	7"	1¾"	1⅜"	18½"	9"	1½"	1"	7"	1⅜"	28 GAUGE	¾"DIA.X2¾"	6½"	6"	7"	1"	1¾"	¾"	3½"	1⅜"	5/8"	176	
W14X30	1"DIA.X 6"	22"	9"	2"	1½"	6"	2"	1⅜"	22"	9"	2"	1½"	6"	1⅜"	28 GAUGE	1"DIA.X 3"	6¾"	7"	8"	1¼"	2"	1"	4"	1⅜"	5/8"	205	
W16X31	1"DIA.X 6"	24"	9"	2"	1½"	6"	2"	1⅜"	24"	9"	2"	1½"	6"	1⅜"	28 GAUGE	1"DIA.X 3"	5½"	7"	8"	1¼"	2"	1"	4"	1⅜"	¾"	223	
W18X35	1"DIA.X 6"	25"	9"	2"	1½"	6"	2"	1⅜"	25"	9"	2"	1½"	6"	1⅜"	28 GAUGE	1"DIA.X 3"	6"	7"	8"	1¼"	2"	1"	4"	1⅜"	¾"	243	
W18X40	1"DIA.X 6½"	26"	9"	2"	1½"	6"	2¼"	1⅜"	26"	9"	2"	1½"	6"	1⅜"	28 GAUGE	1"DIA.X3½"	6"	7"	8"	1¼"	2"	1"	4"	1⅜"	⅞"	278	
W21X44	1"DIA.X 7"	29"	9"	2"	1½"	6"	2½"	1⅜"	29"	9"	2"	1½"	6"	1⅜"	28 GAUGE	1"DIA.X3½"	6½"	7"	8"	1¼"	2"	1"	4"	1⅜"	⅞"	310	



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

* FOUNDATION DIMENSIONS ARE SHOWN IN PLANS

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ENGLISH DETAIL DRAWING FOR
GROUND MOUNTED SIGN SUPPORTS

SHEET 2 OF 3

903D10

TIP NO.
R-2514D

SHEET NO.
SIGN-2B

APPROVED:

DocuSigned by:
Ayman Alquodwah
F30AC5CAF965472...

DATE: 2/2/2015

SEAL