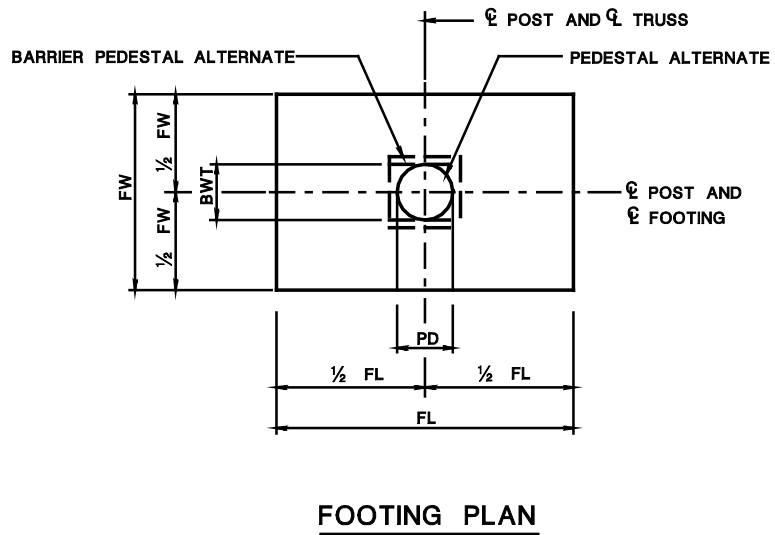
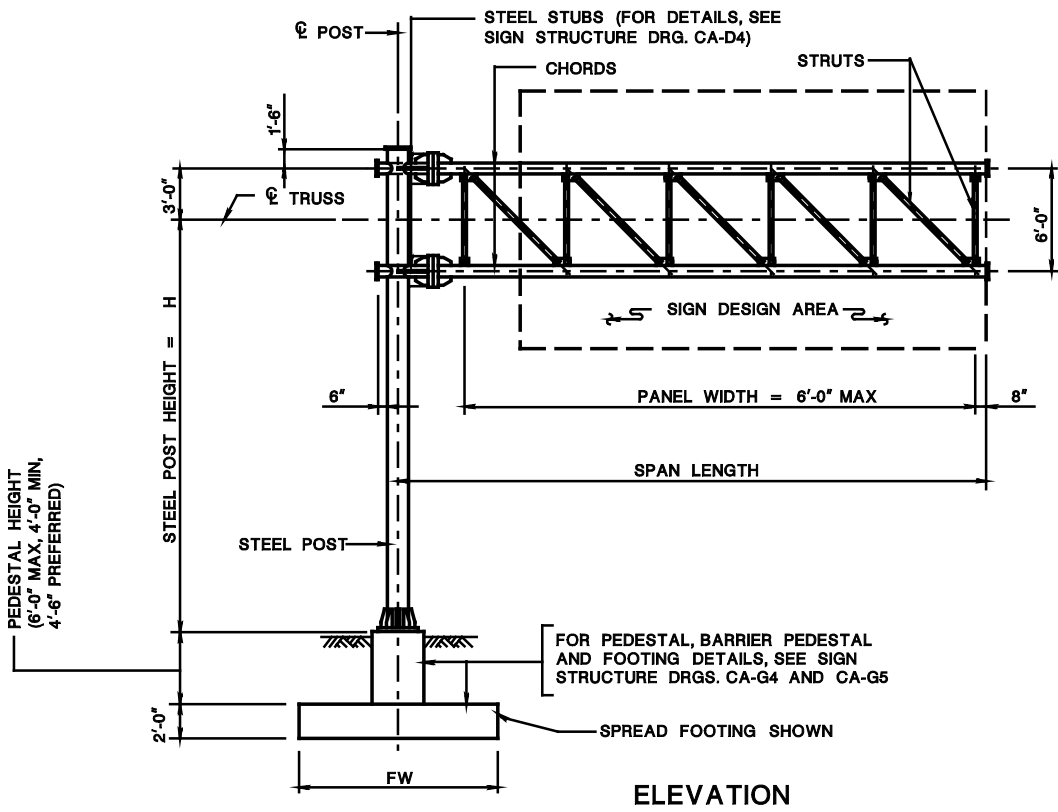



SPAN LENGTH (FT)	SIGN LENGTH (%)	STEEL TRUSS MEMBERS				STEEL POSTS			PEDESTALS						BARRIER PEDESTALS						FOOTINGS			SIGN LENGTH (%)	SPAN LENGTH (FT)	
		CHORDS O.D.xTHICK (IN)	STRUTS O.D.xTHICK (IN)	STEEL STUBS O.D.xTHICK (IN)	CAMBER (IN)	POST HEIGHT			H = 25 FT		H = 30 FT		H = 40 FT		H = 25 FT		H = 30 FT		H = 40 FT		H = 25 FT	H = 30 FT	H = 40 FT			
						H = 25FT	H = 30FT	H = 40FT	PD (IN)	VERT REBARS No. & SIZE	PD (IN)	VERT REBARS No. & SIZE	PD (IN)	VERT REBARS No. & SIZE	PD (IN)	VERT REBARS No. & SIZE	BWT (IN)	VERT REBARS No. & SIZE	BWT (IN)	VERT REBARS No. & SIZE	BWT (IN)	VERT REBARS No. & SIZE	FLxFW	FLxFW		FLxFW
						O.D.xTHICK (IN)	O.D.xTHICK (IN)	O.D.xTHICK (IN)																		
20	40	8.625x.322	2.875x.276	8.625x.322	3½	14.000x.500	16.000x.500	18.000x.500	40	21-#25	42	23-#25	44	25-#25	40	21-#25	42	23-#25	44	25-#25	11'-6"x8'	11'-6"x8'	12'-6"x8'	40	20	
	50	8.625x.500	2.875x.276	8.625x.500	3¼	16.000x.500	16.000x.500	18.000x.500	42	23-#25	42	25-#25	44	27-#25	42	23-#25	42	25-#25	44	27-#25	11'-6"x8'	12'-6"x8'	13'x8'	50		
	60	8.625x.500	2.875x.276	8.625x.500	2¾	16.000x.500	18.000x.500	20.000x.500	42	24-#25	44	26-#25	46	29-#25	42	24-#25	44	26-#25	46	29-#25	12'-6"x8'	13'x8'	14'x10'	60		
	70	8.625x.500	2.875x.276	8.625x.500	2¾	18.000x.500	18.000x.500	20.000x.500	44	26-#25	44	27-#25	46	30-#25	44	26-#25	44	27-#25	46	30-#25	13'x8'	13'x9'	14'x10'	70		
	80	8.625x.500	2.875x.276	8.625x.500	2	18.000x.500	20.000x.500	24.000x.500	44	27-#25	46	30-#25	48	33-#25	44	27-#25	46	30-#25	48	33-#25	13'x9'	14'x10'	15'x10'	80		
30	40	12.750x.375	3.500x.300	12.750x.375	6	20.000x.500	20.000x.500	24.000x.500	46	28-#25	46	30-#25	48	33-#25	46	28-#25	46	30-#25	48	33-#25	13'x9'	14'x9'	14'x10'	40	30	
	50	12.750x.500	4.000x.318	12.750x.500	5½	20.000x.500	24.000x.500	24.000x.500	46	29-#25	48	33-#25	50	36-#25	46	29-#25	48	33-#25	50	36-#25	14'x9'	14'x10'	15'x10'-6"	50		
	60	12.750x.500	4.000x.318	12.750x.500	4¾	24.000x.500	24.000x.500	24.000x.500	48	31-#25	50	35-#25	50	37-#25	48	31-#25	50	35-#25	50	37-#25	14'x10'	15'x10'-6"	16'-6"x10'-6"	60		
	70	12.750x.500	4.000x.318	12.750x.500	4¾	24.000x.500	24.000x.500	26.000x.500*	48*	31-#25	50*	36-#25	52*	41-#25	48*	31-#25	50*	36-#25	52*	41-#25	15'x10'	15'-6"x10'-6"	16'-6"x11'-6"	70		
	80	12.750x.500	4.000x.318	12.750x.500	3½	24.000x.500	26.000x.500*	26.000x.750*	50*	34-#25	52*	39-#25	52*	42-#25	50*	34-#25	52*	39-#25	52*	42-#25	15'x10'-6"	16'-6"x10'-6"	17'-6"x11'-6"	80		
40	40	18.000x.375	5.563x.375	18.000x.375	8	24.000x.500	26.000x.500*	26.000x.750*	50*	30-#25	52*	35-#25	52*	37-#25	50*	30-#25	52*	35-#25	52*	37-#25	15'x10'-6"	16'-6"x10'-6"	16'-6"x11'-6"	40	40	
	50	18.000x.500	5.563x.375	18.000x.500	9	26.000x.500*	26.000x.750*	26.000x.750*	52*	33-#25	52*	35-#25	52*	37-#25	52*	33-#25	52*	35-#25	52*	37-#25	16'-6"x11'-6"	16'-6"x11'-6"	17'x12'-6"	50		
	60	18.000x.500	5.563x.375	18.000x.500	7½	26.000x.750*	26.000x.750*	26.000x.750*	52*	33-#25	52*	35-#25	52*	38-#25	52*	33-#25	52*	35-#25	52*	38-#25	16'-6"x11'-6"	17'x12'-6"	18'x12'-6"	60		
	70	18.000x.500	5.563x.375	18.000x.500	7½	26.000x.750*	26.000x.750*	26.000x.750*	52*	33-#25	52*	35-#25	52*	38-#25	52*	33-#25	52*	35-#25	52*	38-#25	17'x11'-6"	17'x12'-6"	18'x13'	70		
	80	18.000x.500	5.563x.375	18.000x.500	6¾	26.000x.750*	26.000x.750*	26.000x.875*	52*	33-#25	52*	37-#25	52*	40-#25	52*	33-#25	52*	37-#25	52*	40-#25	17'x12'-6"	18'x12'-6"	19'x13'	80		
* ALTERNATIVE POSTS AND PEDESTALS (SEE NOTE 2)																										
30	70	12.750x.500	4.000x.318	12.750x.500	4¾	24.000x.500	24.000x.500	30.000x.500	48	31-#25	50	36-#25	56	41-#25	48	31-#25	50	36-#25	56	41-#25	15'x10'	15'-6"x10'-6"	16'-6"x11'-6"	70	30	
	80	12.750x.500	4.000x.318	12.750x.500	3½	24.000x.500	30.000x.500	30.000x.625	50	34-#25	56	39-#25	56	42-#25	50	34-#25	56	39-#25	56	42-#25	15'x10'-6"	16'-6"x10'-6"	17'-6"x11'-6"	80		
40	40	18.000x.375	5.563x.375	18.000x.375	8	24.000x.500	30.000x.500	30.000x.625	50	30-#25	56	35-#25	56	37-#25	50	30-#25	56	35-#25	56	37-#25	15'x10'-6"	16'-6"x10'-6"	16'-6"x11'-6"	40	40	
	50	18.000x.500	5.563x.375	18.000x.500	9	30.000x.500	30.000x.625	30.000x.625	56	33-#25	56	35-#25	56	37-#25	56	33-#25	56	35-#25	56	37-#25	16'-6"x11'-6"	16'-6"x11'-6"	17'x12'-6"	50		
	60	18.000x.500	5.563x.375	18.000x.500	7½	30.000x.625	30.000x.625	30.000x.625	56	33-#25	56	35-#25	56	38-#25	56	33-#25	56	35-#25	56	38-#25	16'-6"x11'-6"	17'x12'-6"	18'x12'-6"	60		
	70	18.000x.500	5.563x.375	18.000x.500	7½	30.000x.625	30.000x.625	30.000x.625	56	33-#25	56	35-#25	56	38-#25	56	33-#25	56	35-#25	56	38-#25	17'x11'-6"	17'x12'-6"	18'x13'	70		
	80	18.000x.500	5.563x.375	18.000x.500	6¾	30.000x.625	30.000x.625	30.000x.625	56	33-#25	56	37-#25	56	40-#25	56	33-#25	56	37-#25	56	40-#25	17'x12'-6"	18'x12'-6"	19'x13'	80		



NOTE:

1. % SIGN LENGTH = $\frac{\text{SPAN LENGTH}}{\text{SIGN DESIGN LENGTH}} \times 100$
2. DUE TO THE AVAILABILITY ISSUE OF 26" O.D. STEEL POST SIZES, UNTIL FURTHER NOTICE FROM NJDOT THE DESIGNER IS ADVISED TO USE 30" O.D. POST SIZES. ACCORDINGLY, THE BOLT CIRCLES (SHEET CA-D6), PEDESTALS AND BARRIER PEDESTALS (CA-G3 & CA-G4), POST-STUB CONNECTION CUTTING CURVATURE (CA-D4), AND ANY NECESSARY DETAILS SHALL TAKE 30" O.D. POST SIZE INTO ACCOUNT.

THIS PLATE FOR DESIGN INFORMATION ONLY.
DO NOT INCLUDE IN CONTRACT PLANS.



SIGN STRUCTURE DRG. CA-G3

NEW JERSEY DEPARTMENT OF TRANSPORTATION
BUREAU OF STRUCTURAL ENGINEERING

CANTILEVER SIGN SUPPORT STANDARDS
DESIGN TABLES

STEEL TRUSSES AND STEEL POSTS

SCALE : NONE

BRIDGE SHEET NO. OF

3

5