

RECEIVED

FEB - 9 2010

Rapid City Growth Management Department

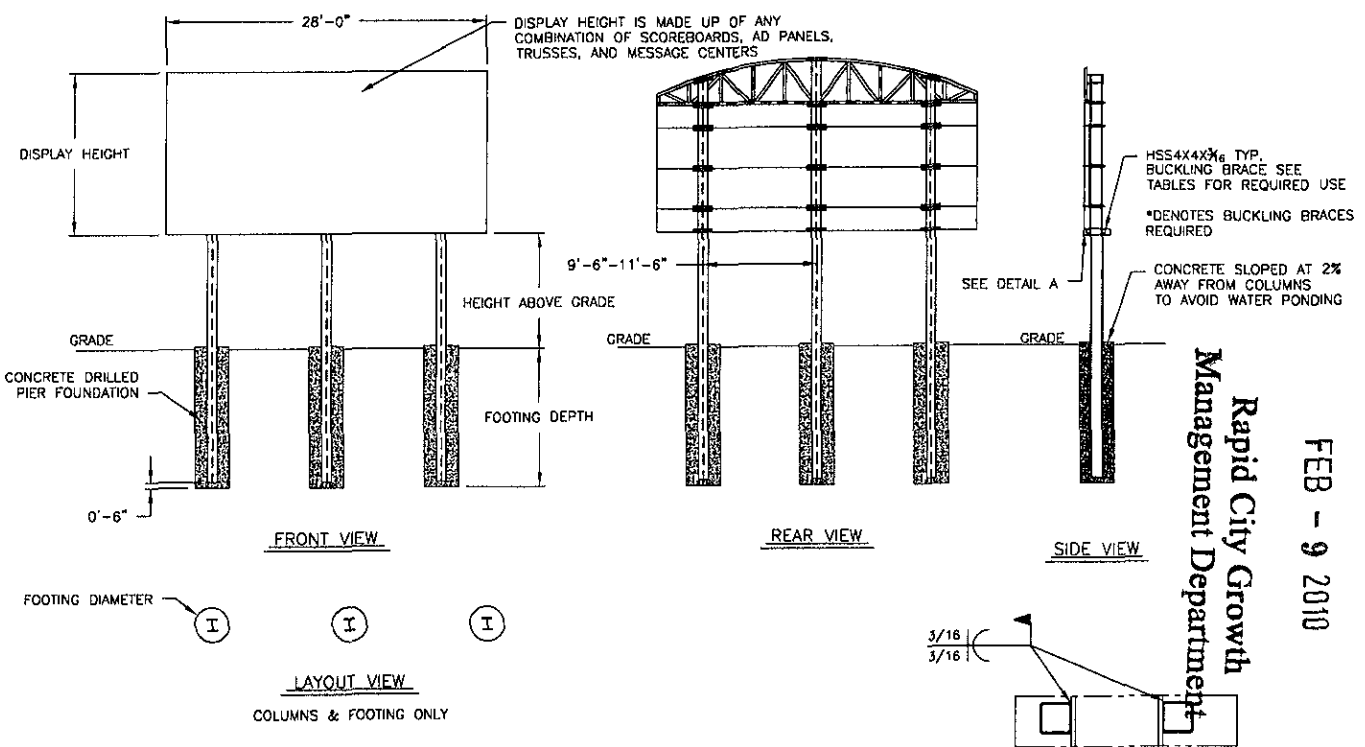


TABLE A - MOUNTING

EXPOSURE B

HEIGHT ABOVE GRADE = 10'				HEIGHT ABOVE GRADE = 15'					
DISPLAY HEIGHT (FT)		DESIGN WIND VELOCITY			DISPLAY HEIGHT (FT)	DESIGN WIND VELOCITY			
		90 MPH	110 MPH	130 MPH		90 MPH	110 MPH	130 MPH	
8	COLUMN FOOTING	W8X24 3.0'X7.5'	W10X30 3.0'X8.5'	W10X33 3.0'X9.5'	8	COLUMN FOOTING	W8X31 3.0'X8.0'	W10X39 3.0'X9.5'	W12X45 3.0'X10.5'
10	COLUMN FOOTING	W8X28 3.0'X8.0'	W10X33 3.0'X9.5'	W12X40 3.0'X10.5'	10	COLUMN FOOTING	W10X39 3.0'X9.0'	W14X48 3.0'X10.5'	W12X53 3.0'X11.5'
12	COLUMN FOOTING	W10X33 3.0'X9.0'	W12X40 3.0'X10.0'	W12X49 3.0'X11.5'	12	COLUMN FOOTING	W10X45 3.0'X9.5'	W12X53 3.0'X11.0'	W12X65 3.0'X13.0'
14	COLUMN FOOTING	W12X39 3.0'X9.5'	W10X49 3.0'X11.0'	W12X58 3.0'X12.5'	14	COLUMN FOOTING	W16X36* 3.0'X10.5'	W14X48* 3.0'X12.0'	W21X55* 3.0'X14.5'
16	COLUMN FOOTING	W10X45 3.0'X10.0'	W12X53 3.0'X12.0'	W16X65 3.0'X14.0'	16	COLUMN FOOTING	W14X43* 3.0'X11.0'	W18X55* 3.0'X13.0'	W21X62* 3.0'X16.0'
18	COLUMN FOOTING	W10X45* 3.0'X11.0'	W12X53* 3.0'X12.5'	W14X61* 3.0'X15.5'	18	COLUMN FOOTING	W14X48* 3.0'X12.0'	W14X61* 3.0'X14.5'	W18X78* 3.0'X18.0'
20	COLUMN FOOTING	W12X49* 3.0'X11.5'	W12X58* 3.0'X14.0'	W16X67* 3.0'X17.0'	20	COLUMN FOOTING	W12X53* 3.0'X12.5'	W16X67* 3.0'X16.0'	W18X76* 3.0'X19.5'

FOOTING DIMENSIONS = DIAMETER X DEPTH  
\*DENOTES BUCKLING BRACE REQUIRED

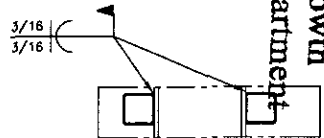
EXPOSURE C

HEIGHT ABOVE GRADE = 10'				HEIGHT ABOVE GRADE = 15'				
DISPLAY HEIGHT (FT)		DESIGN WIND VELOCITY			DISPLAY HEIGHT (FT)	DESIGN WIND VELOCITY		
		90 MPH	110 MPH	130 MPH		90 MPH	110 MPH	130 MPH
8	COLUMN FOOTING	W8X28 3.0'X8.5'	W10X33 3.0'X9.5'		8	COLUMN FOOTING	W10X39 3.0'X9.0'	W14X48 3.0'X10.5'
10	COLUMN FOOTING	W10X33 3.0'X9.0'	W12X40 3.0'X10.5'		10	COLUMN FOOTING	W10X45 3.0'X10.0'	W12X53 3.0'X11.5'
12	COLUMN FOOTING	W12X40 3.0'X10.0'	W12X50 3.0'X11.5'		12	COLUMN FOOTING	W12X53 3.0'X11.0'	W12X65 3.0'X13.0'
14	COLUMN FOOTING	W12X48 3.0'X11.0'	W12X58 3.0'X12.5'		14	COLUMN FOOTING	W14X48* 3.0'X12.0'	W21X55* 3.0'X14.5'
16	COLUMN FOOTING	W12X53 3.0'X11.5'	W12X65 3.0'X14.0'		16	COLUMN FOOTING	W21X48* 3.0'X12.5'	W21X62* 3.0'X16.0'
18	COLUMN FOOTING	W12X53* 3.0'X12.5'	W14X61* 3.0'X15.5'		18	COLUMN FOOTING	W14X61* 3.0'X14.0'	W18X78* 3.0'X18.0'
20	COLUMN FOOTING	W12X53* 3.0'X13.5'	W16X67* 3.0'X17.0'		20	COLUMN FOOTING	W16X67* 3.0'X15.0'	W18X76* 3.0'X19.5'

FOOTING DIMENSIONS = DIAMETER X DEPTH  
\*DENOTES BUCKLING BRACE REQUIRED

NOTE:  
-REFER TO NOTE 8 FOR EXPOSURE CATEGORY DEFINITIONS.

DETAIL A  
(8 X SCALE)



NOTES:

- FOOTING AND COLUMN SIZES ARE SUGGESTIONS ONLY, PROVIDED TO ASSIST WITH ESTIMATING INSTALLATION COSTS AND ARE NOT INTENDED FOR CONSTRUCTION PURPOSES. THE DESIGN MUST BE CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF THE INSTALLATION BEFORE THEY CAN BE USED FOR FABRICATION OR ERECTION.
- INTERNATIONAL BUILDING CODE 2006 USED IN DESIGN OF COLUMNS AND FOOTINGS WITH IMPORTANCE FACTOR=1, Kzt=1.0, Kd=0.85, G=0.85. SEISMIC DESIGN WAS NOT CONSIDERED.
- FOOTING DIMENSIONS ARE BASED ON ASSUMED SOIL CLASS 4 (ALLOWABLE LATERAL BEARING PRESSURE OF 150 psf).
- STRUCTURAL STEEL IS GRADE A992 (50 ksi) STEEL. CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 2500 psi.
- THE AVERAGE DISPLAY WEIGHT FOR A LAYOUT CAN NOT EXCEED 8 PSF.
- DAKTRONICS INC. IS NOT RESPONSIBLE FOR STRUCTURES DESIGNED AND INSTALLED BY OTHERS.
- REFER TO DAKTRONICS DRAWING 1407-E078-299257 FOR DETAILS OF DISPLAY MOUNTING TO COLUMNS.
- LOCAL BUILDING OFFICIALS SHOULD BE CONTACTED TO DETERMINE THE WIND SPEED AND EXPOSURE CATEGORY FOR THE PROPOSED SIGN LOCATION. THE EXPOSURE CATEGORIES B AND C ARE DEFINED AS:  
  
EXPOSURE B - URBAN AND SUBURBAN AREAS, WOODED AREAS, OR OTHER TERRAIN WITH NUMEROUS CLOSELY SPACED OBSTRUCTIONS HAVING THE SIZE OF SINGLE-FAMILY DWELLINGS OR LARGER. THESE CONDITIONS MUST PREVAIL FOR A DISTANCE FROM THE SIGN OF AT LEAST 2,600 FT OR 20 TIMES THE SIGN HEIGHT, WHICHEVER IS GREATER.  
  
EXPOSURE C - OPEN TERRAIN WITH SCATTERED OBSTRUCTIONS HAVING HEIGHTS GENERALLY LESS THAN 30 FT. THIS CATEGORY INCLUDES FLAT OPEN COUNTRY, GRASSLANDS, AND ALL WATER SURFACES IN HURRICANE PRONE REGIONS.
- FOR SPECIFIC PRODUCT DETAILS ON WEIGHT, MOUNTING, ETC. REFER TO THE INDIVIDUAL PRODUCT SPECIFICATION SHEETS.

THE CONCEPTS EXPRESSED AND DETAILS SHOWN ON THIS DRAWING ARE CONFIDENTIAL AND PROPRIETARY. DO NOT REPRODUCE BY ANY MEANS, INCLUDING ELECTRONICALLY WITHOUT THE EXPRESSED WRITTEN CONSENT OF DAKTRONICS, INC. COPYRIGHT 2007 DAKTRONICS, INC.

DAKTRONICS, INC. BROOKINGS, SD 57006

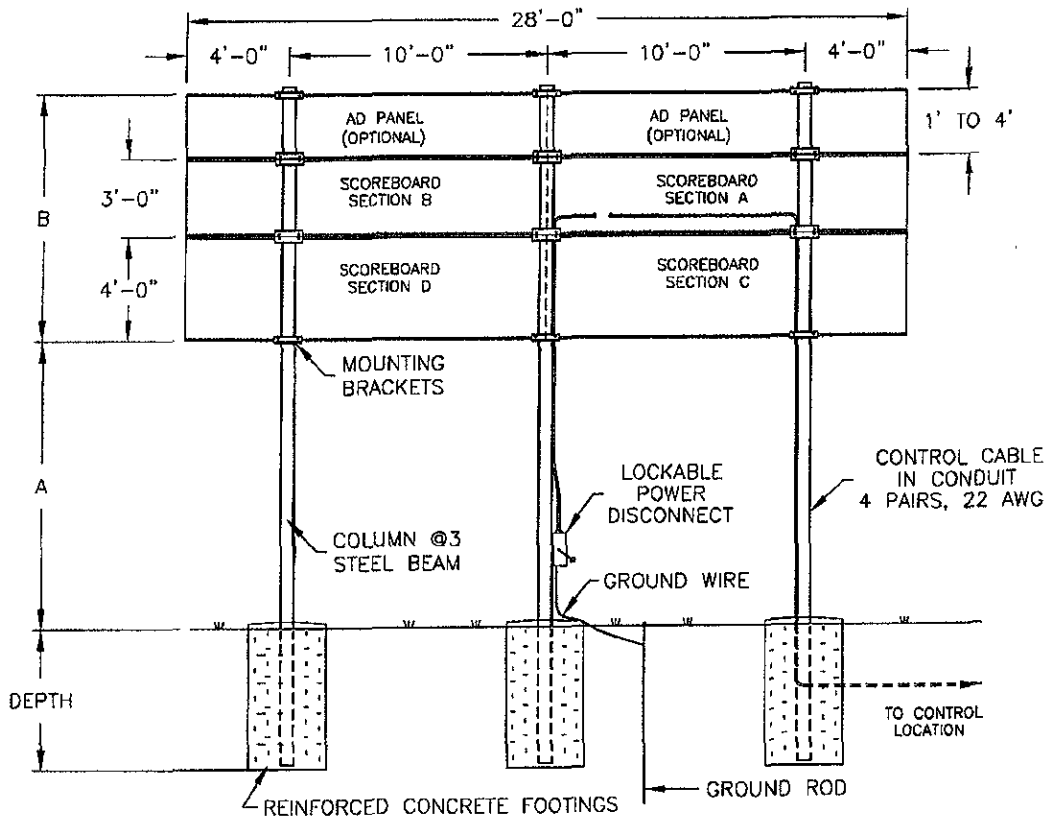
PROJ: OUTDOOR SCOREBOARD INSTALLATION  
TITLE: 28' WIDTH SCOREBOARD INSTALLATION SPECS.

DES. BY: AWRUCKE DRAWN BY: AWRUCKE DATE: 20 AUG 07

REV.	DATE	DESCRIPTION	BY	APPR.
01	10 DEC 08	REMOVED PRODUCT TABLE AND CHANGED DRAWING TO A SIZE	JKU	

REVISION 01 APPR BY: SCALE: 1/16"=1'

1538-E10A-316971



**REAR VIEW**  
BA-3718

**ELECTRICAL**

POWER CABLE MUST HAVE A SEPERATE GROUND CONDUCTOR. SCOREBOARD MUST BE CONNECTED TO A GROUND ROD AT SCOREBOARD LOCATION.

FOOTING DIMENSIONS ARE SUGGESTIONS ONLY, PROVIDED TO ASSIST WITH ESTIMATING INSTALLATION COSTS, AND ARE NOT INTENDED FOR CONSTRUCTION PURPOSES.

COLUMNS AND FOOTINGS MUST BE DESIGNED BY A STATE LICENCED ENGINEER. DAKTRONICS DOES NOT ASSUME ANY LIABILITY FOR ANY INSTALLATIONS DERIVED FROM THIS INFORMATION OR DESIGNED AND INSTALLED BY OTHERS.

**A NOTE ABOUT BEAM NOMENCLATURE:**

For a typical beam, W12x30 for example, "W" stands for "Wide-Flange Beam". The first number (12) is the approximate front to rear dimension of the beam in inches. The second number (30) is the weight per foot in pounds. This numbering is standard in the steel industry. Widths vary from 4 to 8 inches in this chart.

MODEL BA-3718						
VERTICAL DISTANCE (A)	AD PANEL HEIGHT	COMBINED HEIGHT (B)		DESIGN WIND VELOCITY		
				70 MPH	80 MPH	100 MPH
10 FT	NONE	7 FT	BEAM	WBx24	WBx28	WBx35
			FOOTING	3'x3.5'	3'x6.1'	3'x7.2'
	2 FT	9 FT	BEAM	WBx31	WBx35	W12x45
			FOOTING	3'x6.2'	3'x6.8'	3'x8.0'
			BEAM	WBx35	WBx40	W10x49
			FOOTING	3'x6.8'	3'x7.5'	3'x8.8'
14 FT	NONE	7 FT	BEAM	WBx31	WBx35	W10x45
			FOOTING	3'x6.1'	3'x6.7'	3'x7.9'
	2 FT	9 FT	BEAM	W10x39	W12x45	W12x53
			FOOTING	3'x6.7'	3'x7.4'	3'x8.8'
			BEAM	W10x45	W10x49	W12x65
			FOOTING	3'x7.3'	3'x8.0'	3'x9.5'
18 FT	NONE	7 FT	BEAM	W10x39	W10x45	W10x54
			FOOTING	3'x6.5'	3'x7.2'	3'x8.4'
	2 FT	9 FT	BEAM	WBx48	W12x53	W12x65
			FOOTING	3'x7.2'	3'x8.0'	3'x9.4'
			BEAM	W10x54	W10x60	W10x77
			FOOTING	3'x7.8'	3'x8.6'	3'x10.1'

FOOTING = DIAMETER X DEPTH

DAKTRONICS, INC. BROOKINGS, SD 57006

REV.	DATE	DESCRIPTION	BY	APPR.
02	30 AUG 07	REMOVED FAN HOODS REVISED BEAM SECTIONS & FOOTINGS.	KDD	
01	17 JUL 00	REVISED BEAM SECTIONS & FOOTINGS.	MVD	

PROJ:	OUTDOOR INCANDESCENT SCOREBOARDS		
TITLE:	INSTALLATION SPECIFICATIONS, BA-3718		
DES. BY:	BPETERSON	DRAWN BY:	MVANDYK
DATE:	12JAN00		
REVISION	APPR. BY:	1091-R10A-126455	
02	SCALE:	1=80	