



PLAN VIEW OF FOOTING

SIZE	DEPTH (IN.)	FLANGE WIDTH (IN.)
W12 x 26	12	6 $\frac{1}{2}$
W10 x 26	10	5 $\frac{3}{4}$
W10 x 22	10	5 $\frac{3}{4}$
W8 x 21	8	5 $\frac{1}{4}$
W8 x 18	8	5 $\frac{1}{4}$
W6 x 15	6	6
W6 x 12	6	4

STEEL SHAPES

A (LATERAL SPACING OF ANCHORS)

- 3 IN. FOR B-525 USED ON 6 IN. AND 8 IN. WIDE FLANGE POSTS
- 4 IN. FOR B-650 USED ON 10 IN., 12 IN., 14 IN.
- 16 IN., 18 IN. AND 21 IN. WIDE FLANGE POSTS

B (LONGITUDINAL SPACING OF ANCHORS)

- BRACKET #1 - DEPTH OF POST SECTION PLUS 7 $\frac{15}{16}$ IN.
- BRACKET #2 - DEPTH OF POST SECTION PLUS 8 $\frac{1}{6}$ IN.
- BRACKET #3 - DEPTH OF POST SECTION PLUS 8 $\frac{1}{8}$ IN.

NOTES:

1. FOOTING SIZE:
TYPE 1 TO TYPE 6 FOOTINGS SHOWN ON S-614-6 REQUIRE A 6 IN. INCREASE IN DIAMETER ("D") TO ACCOMMODATE ANCHORS SHOWN ON THIS DETAIL. HORIZONTAL REINFORCING HOOPS SHALL BE INCREASED TO PROVIDE A 2 IN. CLEARANCE FROM OUTSIDE THE FOOTING. REINFORCING AND OTHER STRUCTURAL DATA REMAIN THE SAME. TYPE 7 REQUIRES NO CHANGE.
2. A RIGID STEEL TEMPLATE IS RECOMMENDED FOR ANCHOR INSTALLATION. THE ANCHOR SPACING FOR TEMPLATE IS DEPENDENT ON THE SIZE OF THE REQUIRED POSTS AND BRACKETS. SEE "PLAN VIEW OF FOOTING" FOR DETAILS.

Computer File Information		Sheet Revisions		Colorado Department of Transportation		MULTI-DIRECTIONAL BREAK-AWAY DETAIL FOR ANCHOR INSTALLATIONS		PROJECT DETAIL NO.	
Creation Date: 10/06/06	Initials: KCM	Date:	Comments	 4201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9543 Fax: (303) 757-9820	Project Development Branch KCM/KEN	Issued By: Traffic Engineering Unit October 28, 2002		DS-614-5	
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