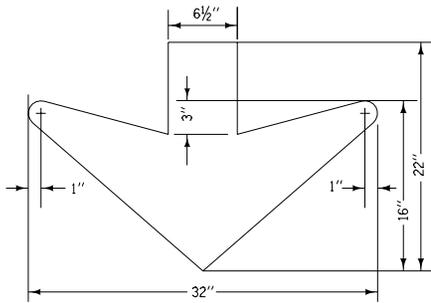
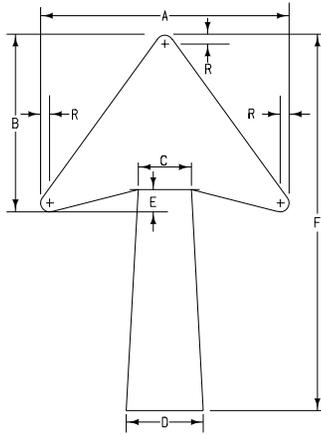


**TYPE 1 ARROW**

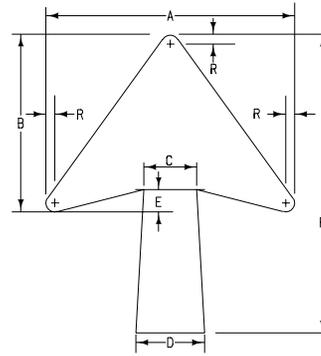


**TYPE 2 ARROW**



USED WITH	DIMENSIONS IN INCHES						
	A	B	C	D	E	F	R
8" Caps	15 1/8	11 3/8	3 3/4	5	1 7/8	24 1/4	1 3/8
13.3" UC-10" & 12" Caps	18 1/4	14	4 1/2	6	1 1/2	29 1/4	3/4
16" UC	22 1/4	17	5 3/8	7 1/8	1 3/4	35 3/8	1

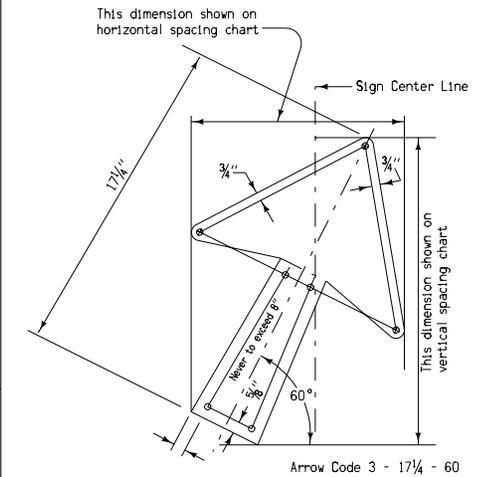
**TYPE 3 ARROW**



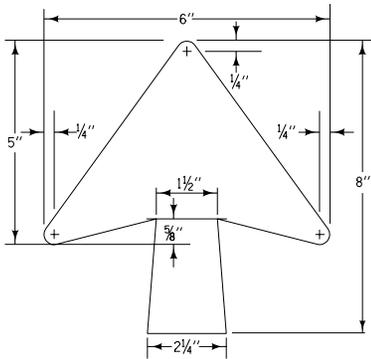
USED WITH	DIMENSIONS IN INCHES						
	A	B	C	D	E	F	R
8" & 10" Caps	14 1/4	9 3/8	3 3/8	4 1/2	1 7/8	17 1/4	3/4
13.3" UC-12" Caps	17 1/2	11 3/4	4 3/8	5 3/8	1 1/2	20 1/4	7/8
16" UC	21 1/8	14 1/4	5	6 3/4	1 3/4	25	1

**ARROW DESIGNATION:**

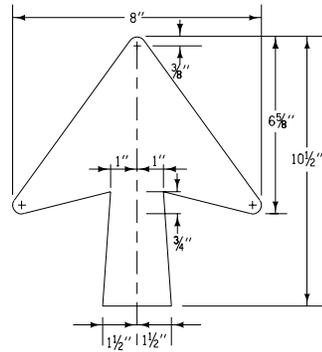
Each arrow is designated by a three number code. The explanation of this code is as follows:  
 The first number is the arrow type.  
 The second number is the length of the arrow in inches.  
 The third number is the angle in degrees between the center line of the arrow and the horizontal.  
 An example is given on this sheet. This example shows the location of rivet holes. Rivet holes on longer stemmed arrows and various types of arrows shall follow the same general pattern, but, the distance between holes on the stem shall never exceed 8 inches.



**TYPE 4 ARROW**



**TYPE 5 ARROW**



**TABLES FOR VERTICAL AND HORIZONTAL PLACEMENT OF ARROWS**  
 The following information applies to all arrows except M1-50 (Exit), M1-101 (Rest Area), M1-160 (Weigh Sta.) and M1-200 (Scenic View). They should be attached as shown in plans.

**TYPE 2 ARROW**

OFFSET ANGLE	ARROW LENGTH	VERTICAL DIMENSION	HORIZONTAL DIMENSION
30°	24 1/4 (8" caps)	15.45	22.2
	29 1/4 (13.3" UC - 10" & 12" Caps)	18.8	26.75
	35 3/8 (16" U C)	22.65	32.75
45°	24 1/4 (8" caps)	19.3	18.9
	29 1/4 (13.3" UC - 10" & 12" Caps)	23.3	22.7
	35 3/8 (16" U C)	28.3	27.7
60°	24 1/4 (8" caps)	22.4	15.4
	29 1/4 (13.3" UC - 10" & 12" Caps)	27.0	18.5
	35 3/8 (16" U C)	32.9	22.6

**TYPE 3 ARROW**

30°	17 1/4 (8" & 10" caps)	12.5	16.1
	20 1/4 (13.3" UC - 12" Caps)	15.4	18.9
	25 (6" U C)	19.1	23.45
45°	17 1/4 (8" & 10" caps)	14.15	13.8
	20 1/4 (13.3" UC - 12" Caps)	16.75	16.3
	25 (16" U C)	20.6	20.15
60°	17 1/4 (8" & 10" caps)	16.2	12.95
	20 1/4 (13.3" UC - 12" Caps)	19.1	15.45
	25 (16" U C)	23.65	19.3

**TYPE 4 ARROW**

OFFSET ANGLE	ARROW LENGTH	VERTICAL DIMENSION	HORIZONTAL DIMENSION
30°	8 (6" Caps Series D)	5.25	7.5
45°	8 (6" Caps Series D)	6.6	6.425
30°	8 (6" Caps Series D)	7.55	5.3

**TYPE 5 ARROW**

30°	10 1/2 (8" UC)	7.00	10.00
45°	10 1/2 (8" UC)	8.66	8.66
30°	10 1/2 (8" UC)	10.00	7.00

**Iowa Department of Transportation Highway Division**

**STANDARD ROAD PLAN RD-45**

REVISION: NEW	REVISION NO. NEW
<i>William J. Altan</i>	REVISION DATE 04-15-03
APPROVED BY DESIGN/METHODS ENGINEER	

**ARROW DETAILS FOR TYPE 'B' GUIDE SIGNS**