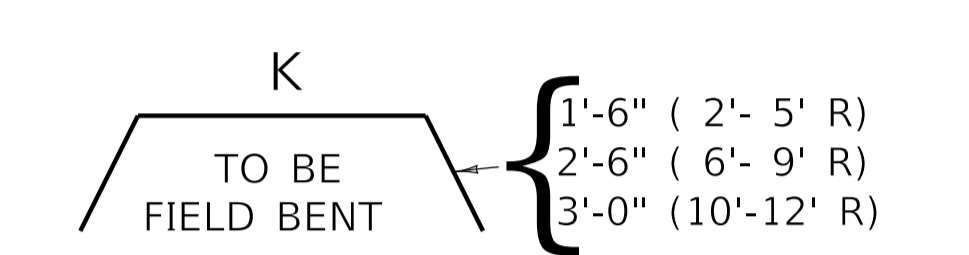


MARK	SIZE	NO LGTH				K	MARK	SIZE	NO LGTH				K	MARK	SIZE	NO LGTH				K	MARK	SIZE	NO LGTH				K					
		①	FT	IN	FT				IN	①	FT	IN				FT	IN	①	FT				IN	FT	IN	①		FT	IN	FT	IN	①
<b>11' X 4'</b>						11' X 4' (CONTINUED)						11' X 6' (CONTINUED)						11' X 8' (CONTINUED)						11' X 8' (CONTINUED)								
A1	5	2	8	2		T14	5	2	10	9		N2	4	5	34	1		B8	5	4	7	9		S10	5	2	14	0				
A2	5	2	14	8		T15	5	2	11	5		N3	4	2	37	2		B9	5	4	8	3		S11	5	2	15	5				
C1	4	1	21	8		T16	5	2	12	1		P	5	46	5	3	3	6	B10	5	4	8	9		S12	5	2	16	9			
C2	4	1	25	5		T17	5	2	12	10		Q	5	5	12	6		B11	5	42	9	4		S13	5	2	18	2				
C3	4	1	29	1		T18	5	2	13	2		R	5	13	3	11		C1	4	2	21	10		S14	5	2	19	0				
C4	4	1	32	9								S1	5	2	1	3		C2	4	2	25	8		T1	5	2	1	2				
C5	4	1	33	1								S2	5	2	2	7		C3	4	2	29	4		T2	5	2	1	11				
E1	5	2	28	0	25	0	<b>11' X 6'</b>						S3	5	2	4	0		C4	4	2	33	1		T3	5	2	2	8			
E2	5	2	28	6	25	6						S4	5	2	5	5		C5	4	2	36	10		T4	5	2	3	3				
F	4	26	1	3	0	6	A1	5	2	10	4		S5	5	2	6	10		C6	4	2	40	6		T5	5	2	4	0			
G1	4	2	25	6			A2	5	2	18	5		S6	5	2	8	3		C7	4	6	41	6		T6	5	2	4	9			
G2	4	2	28	5			B1	5	4	3	0		S7	5	2	9	8		E1	5	2	30	0	25	0	T7	5	2	5	5		
G3	4	2	31	3			B2	5	4	3	6		S8	5	2	11	1		E2	5	2	30	8	25	8	T8	5	2	6	1		
G4	4	3	34	0			B3	5	4	4	1		S9	5	2	12	6		F	4	26	1	5	0	6	T9	5	2	6	10		
H	4	18	9	2	7	6	B4	5	4	4	7		S10	5	2	14	0		G1	4	1	25	7		T10	5	2	7	7			
K1	4	1	1	5			B5	5	4	5	2		S11	5	2	15	5		G2	4	2	28	5		T11	5	2	8	3			
K2	4	1	3	4			B6	5	4	5	8		S12	5	2	16	9		G3	4	2	31	3		T12	5	2	9	0			
K3	4	1	5	2			B7	5	4	6	3		S13	5	2	18	2		G4	4	2	34	2		T13	5	2	9	8			
K4	4	1	7	1			B8	5	4	6	9		S14	5	2	19	0		G5	4	2	37	1		T14	5	2	10	5			
K5	4	1	7	3			B9	5	4	7	4		T1	5	2	1	2		G6	4	3	40	0		T15	5	2	11	1			
N1	4	3	7	3			B10	5	38	7	5		T2	5	2	1	11		H	4	21	14	2	11	6	T16	5	2	11	10		
N2	4	3	33	1			C1	4	2	21	10		T3	5	2	2	8		J1	5	4	4	1		T17	5	2	12	6			
Q	4	2	12	6			C2	4	2	25	7		T4	5	2	3	3		J2	5	4	5	1		T18	5	4	13	3			
R	4	13	1	8			C3	4	2	29	3		T5	5	2	4	0		J3	5	4	6	2		X1	4	1	2	9	1	2	
S1	5	2	2	3			C4	4	2	32	11		T6	5	2	4	9		J4	5	4	7	2		X2	4	1	3	1	1	4	
S2	5	2	3	8			C5	4	2	36	7		T7	5	2	5	5		J5	5	4	8	3		X3	4	1	3	5	1	6	
S3	5	2	5	1			C6	4	4	37	0		T8	5	2	6	1		J6	5	2	9	3		X4	4	1	3	11	1	9	
S4	5	2	6	6			E1	5	2	30	0	25	0	T9	5	2	6	10		K1	4	2	1	5		X5	4	1	4	3	1	11
S5	5	2	7	11			E2	5	2	30	8	25	8	T10	5	2	7	7		K2	4	2	3	5		X6	4	1	4	7	2	1
S6	5	2	9	4			F	4	26	1	5	0	6	T11	5	2	8	3		K3	4	2	5	4		X7	4	1	5	1	2	4
S7	5	2	10	9			G1	4	1	24	9			T12	5	2	9	0		K4	4	2	7	3		Z	4	2	9	7	8	5
S8	5	2	12	2			G2	4	2	27	6			T13	5	2	9	8		K5	4	2	9	2								
S9	5	2	13	7			G3	4	2	30	3			T14	5	2	10	5		K6	4	2	11	1								
S10	5	2	15	0			G4	4	2	33	1			T15	5	2	11	1		K7	4	6	11	3								
S11	5	2	16	5			G5	4	3	36	0			T16	5	2	11	10		M1	4	1	2	10								
S12	5	2	17	10			H	4	19	11	8	9	6	T17	5	2	12	6		M2	4	51	4	9								
S13	5	2	18	9			J1	5	4	3	1			T18	5	4	13	3		N1	4	8	11	3								
T1	5	2	1	6			J2	5	4	4	1								N2	4	5	37	4									
T2	5	2	2	3			J3	5	4	5	2								N3	4	3	41	2									
T3	5	2	2	11			J4	5	4	6	3								P	7	52	6	9	4	6							
T4	5	2	3	7			J5	5	2	7	3								Q	5	5	12	6									
T5	5	2	4	5			K1	4	2	1	5								R	5	13	4	5									
T6	5	2	5	1			K2	4	2	3	4								A1	5	2	12	7									
T7	5	2	5	9			K3	4	2	5	2								A2	5	2	22	7									
T8	5	2	6	6			K4	4	2	7	1								B1	5	4	4	0									
T9	5	2	7	2			K5	4	2	9	0								B2	5	4	4	6									
T10	5	2	7	11			K6	4	4	9	2								B3	5	4	5	0									
T11	5	2	8	7			K7	4	4	9	2								B4	5	4	5	7									
T12	5	2	9	4			M1	4	1	2	4								B5	5	4	6	1									
T13	5	2	10	1			M2	4	45	3	9								B6	5	4	6	8									
							N1	4	7	9	2								B7	5	4	7	2									

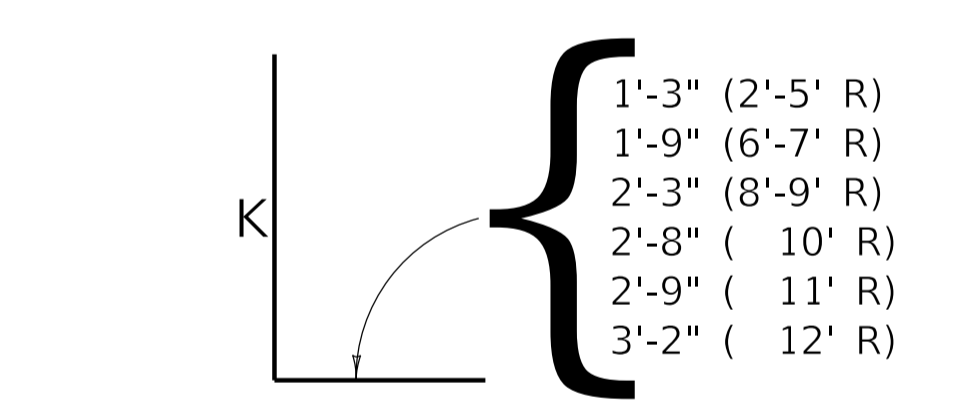
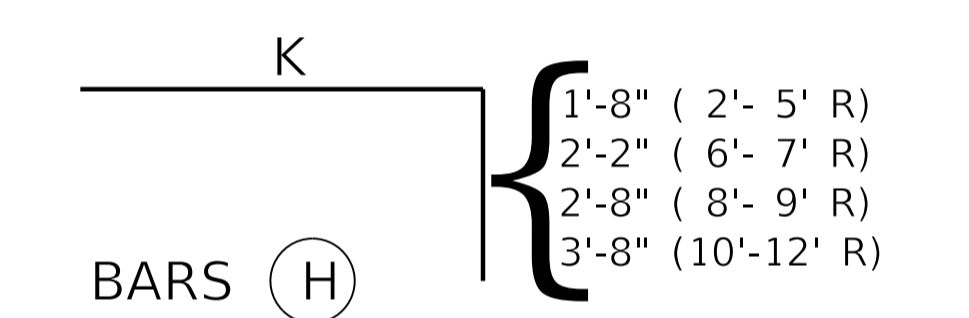
**NOTES**

- ① NUMBER OF BARS IN ONE HEADWALL.
- 2 DIMENSIONS ARE 0. TO 0. OF BARS.
- 3 ALL BARS ARE STRAIGHT EXCEPT THOSE SHOWN BELOW.
- 4 R = BOX OR PIPE RISE
- 5 W = WING WALL WIDTH

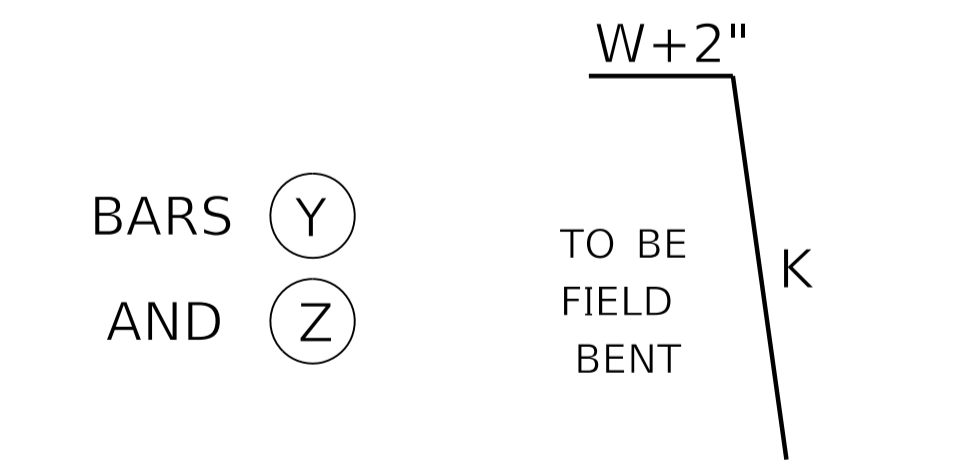
**BENT BAR SHAPES**



BARS (F), (U) AND (X)



BARS (P), (V) AND (W)



**KENTUCKY DEPARTMENT OF HIGHWAYS**  
 BILL OF REINFORCEMENT  
 11' X 4' - 11' X 8' HEADWALLS  
 PRECAST BOX CULVERTS  
 45° SKEW

STANDARD DRAWING NO. RDH-1364-03  
 SUBMITTED \_\_\_\_\_ DIRECTOR DIVISION OF DESIGN \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED \_\_\_\_\_ STATE HIGHWAY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_