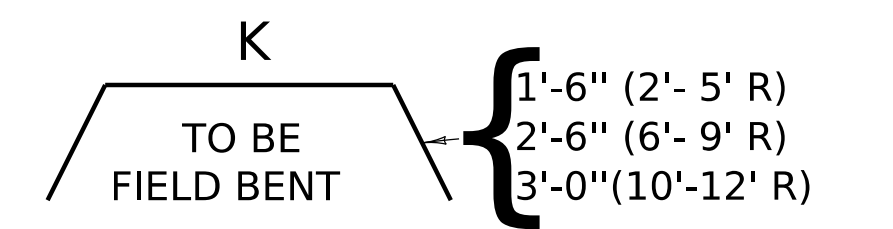


MARK	SIZE	NO	LGTH		K		MARK	SIZE	NO	LGTH		K	
			① FT	IN	FT	IN				① FT	IN	FT	IN
15'-4" X 9'-3"							15'-4" X 9'-3" (CONT'D)						
A1	5	2	12	0			S5	5	2	4	3		
A2	5	2	16	1			S6	5	2	5	0		
B1	5	4	4	7			S7	5	2	5	8		
B2	5	4	5	5			S8	5	2	6	5		
B3	5	4	6	2			S9	5	2	7	2		
B4	5	4	6	11			S10	5	2	7	10		
B5	5	4	7	8			S11	5	2	8	7		
B6	5	4	8	5			S12	5	2	9	3		
B7	5	4	9	2			S13	5	2	10	0		
B8	5	26	9	11			S14	5	2	10	8		
C1	4	2	15	1			S15	5	2	11	4		
C2	4	2	17	8			S16	5	2	11	9		
C3	4	2	19	4			T1	5	2	1	7		
C4	4	2	23	0			T2	5	2	3	0		
C5	4	2	25	7			T3	5	2	4	4		
C6	4	8	26	11			T4	5	2	5	10		
E1	5	2	26	8	21	8	T5	5	2	7	2		
E2	5	2	27	3	22	3	T6	5	2	8	6		
F	4	22	1	5	0	6	T7	5	2	10	0		
G1	4	1	22	0			T8	5	2	11	5		
G2	4	2	24	0			T9	5	2	12	10		
G3	4	2	26	0			T10	5	2	14	3		
G4	4	2	28	0			T11	5	2	15	7		
G5	4	2	30	0			T12	5	2	16	3		
G6	4	3	32	0			X1	4	1	2	7	1	1
H	4	17	13	11	11	3	X2	4	1	2	11	1	3
J1	5	4	4	8			X3	4	1	3	5	1	6
J2	5	4	5	9			X4	4	1	3	9	1	8
J3	5	4	6	10			X5	4	1	4	1	1	10
J4	5	4	7	11			X6	4	1	4	7	2	1
J5	5	4	9	0			X7	4	1	4	11	2	3
J6	5	2	10	1			Z	4	2	9	4	8	4
K1	4	2	2	3									
K2	4	2	4	2									
K3	4	2	6	0									
K4	4	2	7	10									
K5	4	2	9	8									
K6	4	8	10	7									
M1	4	1	2	11									
M2	4	37	4	9									
N1	4	8	10	7									
N2	4	5	24	8									
N3	4	3	27	0									
P	7	38	7	4	5	1							
Q	5	4	15	4									
R	5	16	3	6									
S1	5	2	1	5									
S2	5	2	2	2									
S3	5	2	2	10									
S4	5	2	3	7									

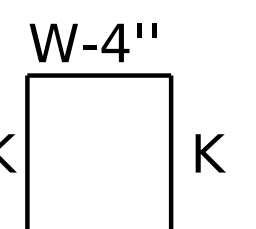
NOTES

- 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

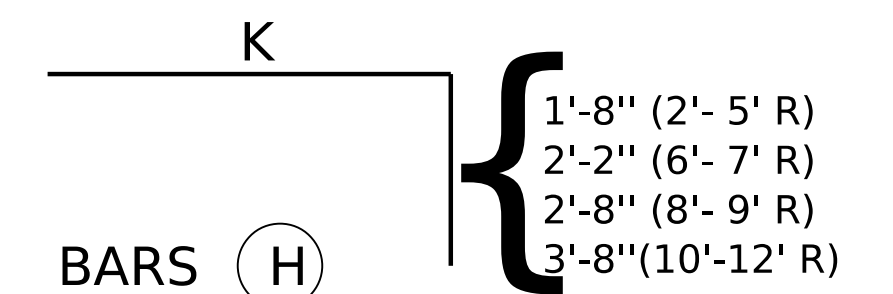
BENT BAR SHAPES



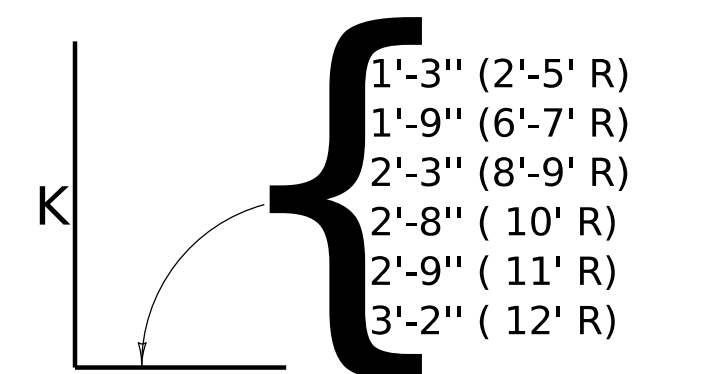
BARS (E)



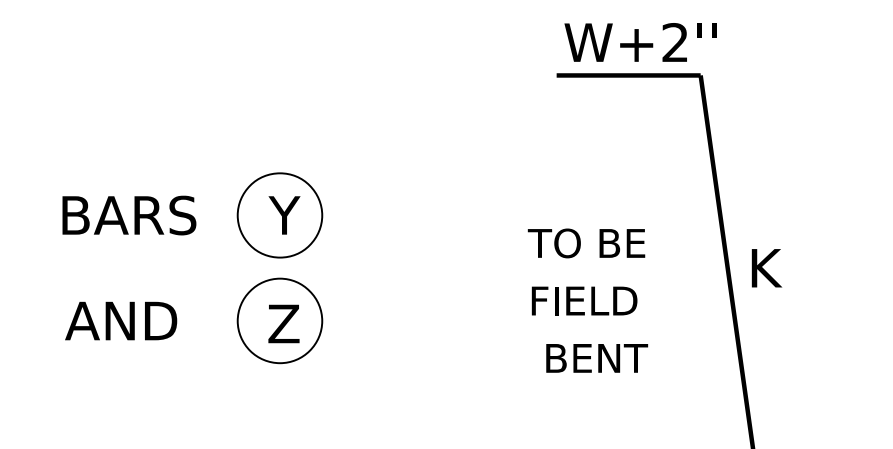
BARS (F), (U) AND (X)



BARS (H)



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



BARS (Y)
AND (Z)

**KENTUCKY
DEPARTMENT OF HIGHWAYS**

*BILL OF REINFORCEMENT
15'-4" x 9'-3"
STEEL PIPE ARCHES
30° SKEW*

STANDARD DRAWING NO. RDH-455-03

SUBMITTED _____ DIRECTOR DIVISION OF DESIGN _____ DATE _____

APPROVED _____ STATE HIGHWAY ENGINEER _____ DATE _____