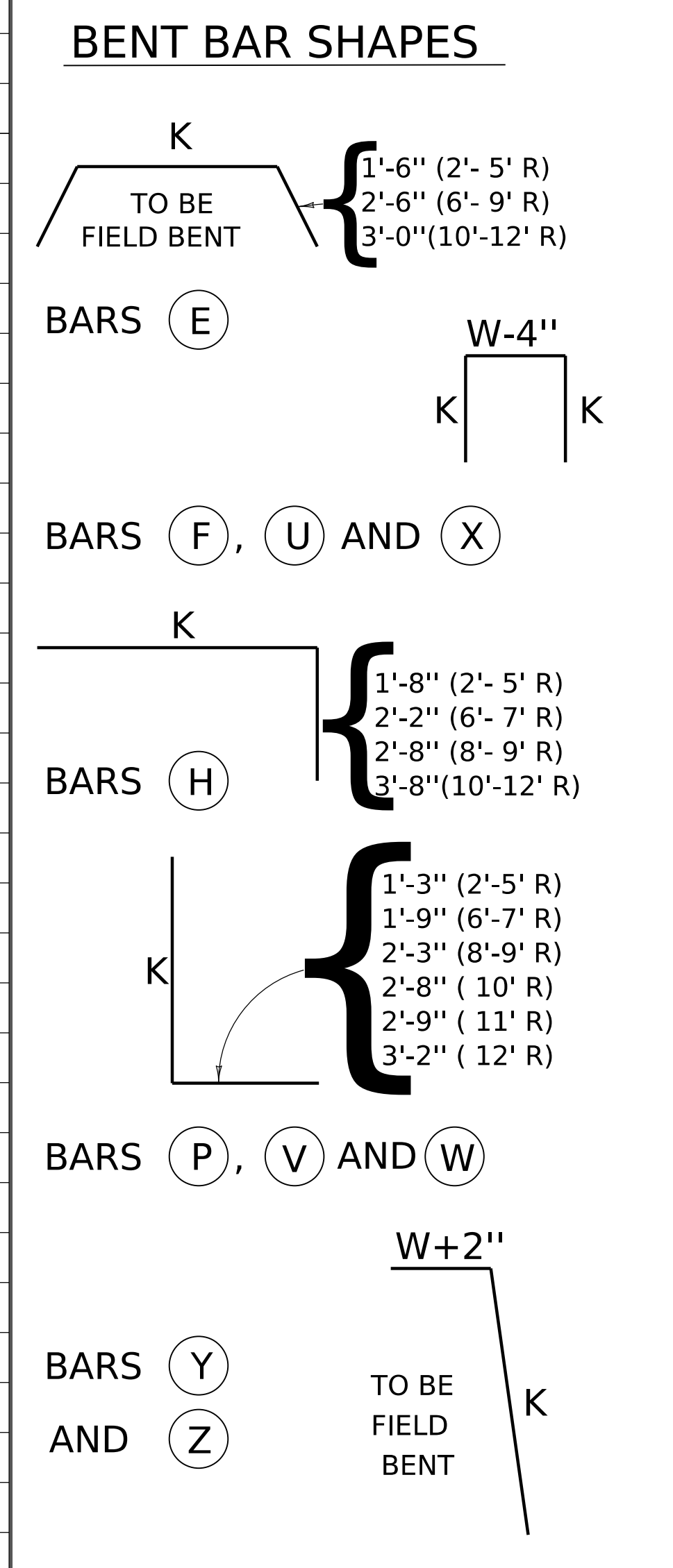


MARK	SIZE	NO	LGTH		K	MARK	SIZE	NO	LGTH		K	MARK	SIZE	NO	LGTH		K	MARK	SIZE	NO	LGTH		K	MARK	SIZE	NO	LGTH		K										
			①	FT					IN	FT					IN	①					FT	IN					FT	IN		①	FT	IN	FT	IN	①	FT	IN	FT	IN
<b>7'-0" X 5'-1"</b>						7'-0" X 5'-1" (CONT'D)						8'-2" X 5'-9" (CONT'D)						9'-6" X 6'-5" (CONT'D)						11'-5" X 7'-3" (CONT'D)						11'-5" X 7'-3" (CONT'D)									
A1	5	2	7	9		W6	5	2	6	6	5	3	T12	5	2	8	9		N1	4	7	8	0		C4	4	2	33	0		T10	5	2	7	10				
A2	5	2	13	10		W4	5	1	7	7	6	4	V1	5	2	4	7	3	4	N2	4	5	27	8		C5	4	6	34	11		T11	5	2	8	7			
C1	4	1	15	2									V2	5	2	5	2	3	11	N3	4	2	30	9		E1	5	2	28	0	23	0	T12	5	2	9	3		
C2	4	1	18	9									V3	5	2	5	8	4	5	P	5	39	5	5	3	8	E2	5	2	28	7	23	7	T13	5	2	10	0	
C3	4	1	22	5		<b>8'-2" X 5'-9"</b>						V4	5	2	6	3	5	0	Q	5	4	9	6		F	4	24	1	5	0	6	T14	5	2	10	8			
C4	4	2	24	6									V5	5	2	6	9	5	6	R	5	10	3	2		G1	4	1	22	8		T15	5	2	11	4			
E1	5	2	17	5	14	5	A1	5	2	8	6		V6	5	2	7	4	6	1	S1	5	2	1	3		G2	4	2	25	6		T16	5	2	12	1			
E2	5	2	17	11	14	11	A2	5	2	15	2		V7	5	2	7	10	6	7	S2	5	2	2	8		G3	4	2	28	4		T17	5	2	12	2			
F	4	15	1	3	0	6	C1	4	1	15	7		W1	5	2	4	8	3	5	S3	5	2	4	2		G4	4	2	31	2									
G1	4	1	13	11			C2	4	1	19	3		W2	5	2	5	9	4	6	S4	5	2	5	7		H	4	18	11	5	9	3							
G2	4	2	16	8			C3	4	1	22	11		W3	5	2	6	10	5	7	S5	5	2	7	0		J1	5	4	3	8									
G3	4	2	19	4			C4	4	1	26	7		W4	5	2	8	10	6	7	S6	5	2	8	4		J2	5	4	4	9									
G4	4	3	22	0			C5	4	2	27	5								S7	5	2	9	9		J3	5	4	5	10										
H	4	12	8	9	7	1	E1	5	2	19	9	16	9						S8	5	2	11	2		J4	5	4	6	10										
K1	4	1	2	0			E2	5	2	20	2	17	2		<b>9'-6" X 6'-5"</b>						S9	5	2	12	7		J5	5	2	7	11								
K2	4	1	3	11			F	4	18	1	3	0	6		A1	5	2	9	1		T2	5	2	1	9		K1	4	2	2	3								
K3	4	1	5	10			G1	4	2	17	6				A2	5	2	16	3		T3	5	2	2	5		K2	4	2	4	2								
K4	4	2	6	10			G2	4	2	20	4				B1	5	4	3	2		T4	5	2	3	2		K3	4	2	6	0								
N1	4	3	6	10			G3	4	2	23	2				B2	5	4	3	9		T5	5	2	3	10		K4	4	2	7	11								
N2	4	3	24	5			G4	4	3	26	0				B3	5	4	4	3		T6	5	2	4	7		K5	4	6	8	10								
Q	4	2	7	0			H	4	14	9	5	7	9		B4	5	4	4	10		T7	5	2	5	3		M1	4	1	2	4								
R	4	8	0	11			K1	4	1	1	4				B5	5	4	4	3		T8	5	2	6	0		M2	4	4	3	9								
S1	5	2	1	6			K2	4	1	3	3				B6	5	4	5	5		T9	5	2	7	5		N1	4	7	8	10								
S2	5	2	2	11			K3	4	1	5	2				B7	5	4	5	11		T10	5	2	8	0		N2	4	5	32	0								
S3	5	2	4	4			K4	4	1	7	1				B8	5	4	6	6		T11	5	2	9	8		N3	4	2	35	2								
S4	5	2	5	9			K5	4	2	7	6				B9	5	34	7	1		T12	5	2	10	3		P	6	44	5	10	4	1						
S5	5	2	7	2			N1	4	3	7	6				C1	4	2	16	4		T13	5	2	11	6		Q	5	4	11	5								
S6	5	2	8	7			N2	4	3	27	7				C2	4	2	19	11		T14	5	2	12	3		R	5	12	3	2								
S7	5	2	10	0			Q	4	2	8	2				C3	4	2	23	6		T15	5	2	13	3		S1	5	2	1	2								
S8	5	2	11	0			R	4	9	0	11				C4	4	2	27	2							S2	5	2	2	7									
T1	5	2	1	0			S1	5	2	1	8				C5	4	6	30	7							S3	5	2	4	0									
T2	5	2	1	8			S2	5	2	3	1				E1	5	2	24	3	19	3					S4	5	2	5	5									
T3	5	2	2	5			S3	5	2	4	5				E2	5	2	25	0	20	0					S5	5	2	6	10									
T4	5	2	3	1			S4	5	2	5	11				F	4	20	1	5	0	6					S6	5	2	7	8									
T5	5	2	3	10			S5	5	2	7	4				G1	4	2	21	3		<b>11'-5" X 7'-3"</b>						S7	5	2	8	3								
T6	5	2	4	6			S6	5	2	8	9				G2	4	2	24	2		A1	5	2	10	1		S8	5	2	9	8								
T7	5	2	5	3			S7	5	2	10	2				G3	4	2	27	1		A2	5	2	18	0		S9	5	2	10	6								
T8	5	2	5	11			S8	5	2	11	7				G4	4	3	30	0		B1	5	4	3	7		S10	5	2	11	1								
T9	5	2	6	8			S9	5	2	12	9				H	4	16	10	7	8	5	B2	5	4	4	2		S11	5	2	12	6							
T10	5	2	7	4			T1	5	2	1	5				J1	5	4	3	3		B3	5	4	4	8		S12	5	2	13	11								
T11	5	2	7	8			T2	5	2	2	2				J2	5	4	4	4		B4	5	4	5	3		S13	5	2	14	6								
V1	5	2	4	3	3	0	T3	5	2	3	6				J3	5	4	5	5		B5	5	4	6	4		T1	5	2	1	6								
V2	5	2	4	10	3	7	T4	5	2	4	3				J4	5	4	6	6		B6	5	4	7	5		T2	5	2	2	3								
V3	5	2	5	4	4	1	T5	5	2	5	0				K1	4	2	2	7		B7	5	4	8	4		T3	5	2	3	8								
V4	5	2	5	11	4	8	T6	5	2	6	5				K2	4	2	4	6		B8	5	4	9	3		T4	5	2	4	4								
V5	5	2	6	5	5	2	T7	5	2	7	1				K3	4	2	6	4		B9	5	38	7	11		T5	5	2	5	1								
V6	5	2	7	0	5	9	T8	5	2	8	2				K4	4	2	8	0		C1	4	2	22	1		T6	5	2	6	5								
V7	5	13	7	6	6	3	T9	5	2	9	3				M1	4	1	2	3		C2	4	2	25	9		T7	5	2	7	2								
W1	5	2	4	5	3	2	T10	5	2	10	4				M2	4	38	3	9		C3	4	2	29	5		T8	5	2	8	3								
W2	5	2	5	5	4	2	T11	5	2	11	6															T9	5	2	9	4									

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



KENTUCKY  
DEPARTMENT OF HIGHWAYS

BILL OF REINFORCEMENT  
7'-0" x 5'-1" - 11'-5" x 7'-3"  
STEEL PIPE ARCHES  
45° SKEW

STANDARD DRAWING NO. RDH-460-03

SUBMITTED \_\_\_\_\_ DIRECTOR DIVISION OF DESIGN \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED \_\_\_\_\_ STATE HIGHWAY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_