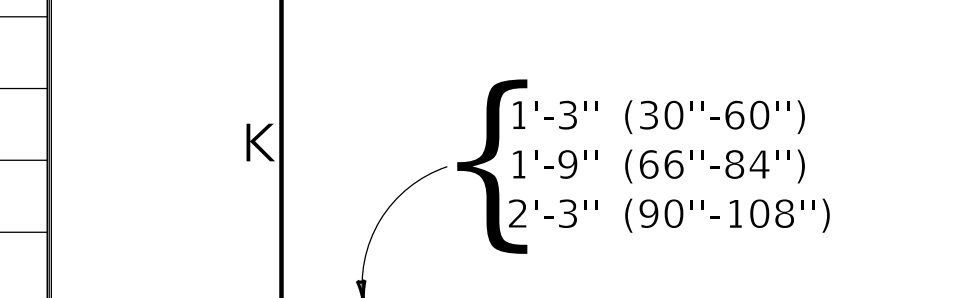
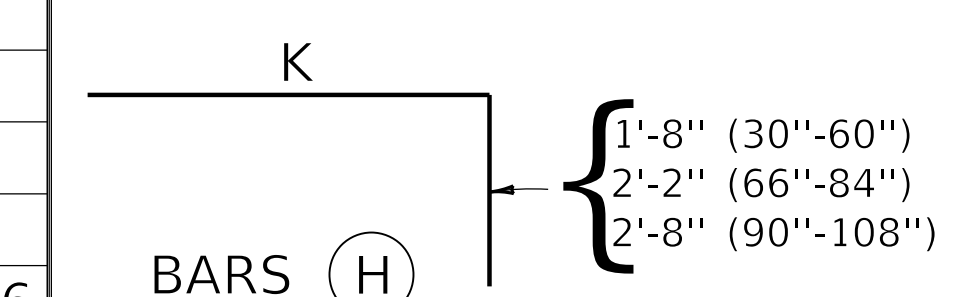
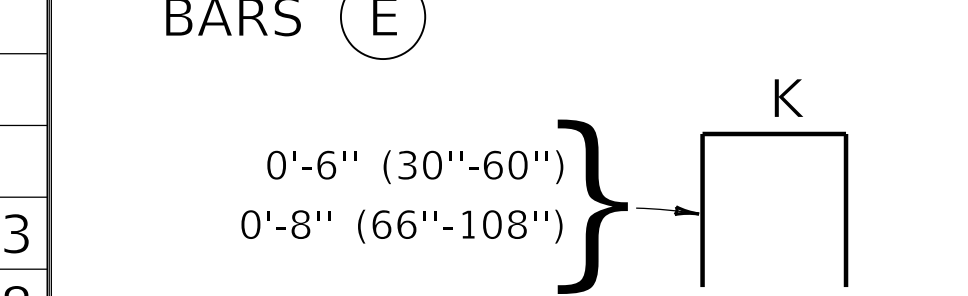
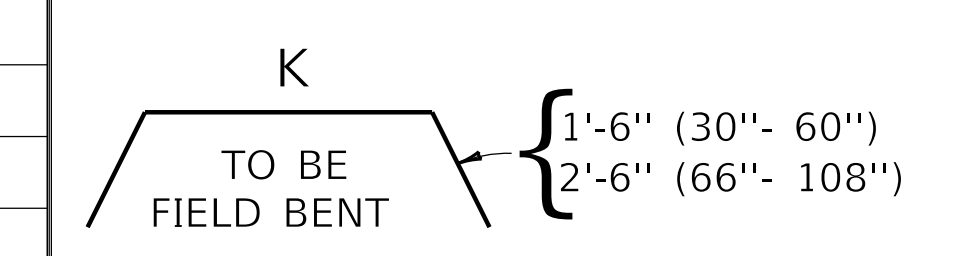


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		①	FT	IN	FT				IN	①	FT	IN				FT	IN	①	FT				IN	FT	IN	①				FT	IN	FT	IN		①	FT	IN	FT	IN	①	FT	IN	FT	IN	
78"						84"						90"						96"						102"						108"															
A1	5	2	10	3		A1	5	2	10	11		A1	5	2	11	7		A1	5	2	12	4		A1	5	2	12	10		A1	5	2	13	7											
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B1	5	4	3	4		B1	5	4	3	7		B1	5	4	3	10		B1	5	4	4	1		B1	5	4	4	3		B1	5	4	4	7											
B2	5	4	4	3		B2	5	4	4	6		B2	5	4	4	9		B2	5	4	5	0		B2	5	4	5	3		B2	5	4	5	6											
B3	5	4	5	3		B3	5	4	5	6		B3	5	4	5	8		B3	5	4	5	11		B3	5	4	6	2		B3	5	4	6	5											
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B5	5	4	7	1		B5	5	4	7	4		B5	5	4	7	7		B5	5	4	7	9		B5	5	4	8	0		B5	5	4	8	4											
B6	5	6	7	7		B6	5	8	8	2		B6	5	10	8	6		B6	5	4	8	9		B6	5	4	8	11		B6	5	4	9	3											
C1	4	2	4	11		C1	4	2	4	1		C1	4	2	5	6		B7	5	8	9	3		B7	5	10	9	10		B7	5	12	10	2											
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C3	4	2	9	1		C3	4	2	8	4		C3	4	2	9	9		C2	4	2	6	10		C2	4	2	8	3		C2	4	2	7	6											
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E1	5	2	14	0	9	0	C6	4	6	13	11		C6	4	6	14	9		C5	4	2	13	2		C5	4	2	14	8		C5	4	2	13	10										
E2	5	2	14	6	9	6	E1	5	2	14	8	9	8	E1	5	2	15	3	10	3	C6	4	2	15	5		C6	4	8	16	6		C6	4	2	16	0								
F	4	9	1	9	0	6	E2	5	2	15	1	10	1	E2	5	2	15	9	10	9	C7	4	6	15	7		E1	5	2	16	7	11	7	C7	4	8	17	4							
G1	4	2	8	5		F	4	10	1	9	0	6	F	4	11	1	9	0	6	E1	5	2	15	11	10	11	E2	5	2	17	0	12	0	E1	5	2	17	3	12	3					
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H	4	8	11	9	9	7	H	4	8	12	4	10	2	H	4	9	13	6	10	10	G3	4	3	16	10		G2	4	3	14	4		G3	4	3	15	7		G3	4	3	16	8		
J1	5	4	3	4		J1	5	4	3	7		J1	5	4	3	10		G4	4	3	18	6		G4	4	3	18	2		G4	4	3	19	10		G4	4	3	19	2					
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J3	5	4	5	5		J3	5	4	5	8		J3	5	4	5	11		J1	5	4	4	1		J1	5	4	4	4		J1	5	4	4	7		J1	5	4	4	7					
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K1	4	2	1	9		K1	4	2	2	9		K1	4	2	2	0		J4	5	4	7	3		J4	5	4	7	5		J4	5	4	7	9		J4	5	4	7	9					
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M	4	22	3	9		M	4	24	3	9		M	4	26	4	9		K3	4	2	6	11		K3	4	2	6	0		K3	4	2	7	1		K3	4	2	7	1					
N1	4	7	9	0		N1	4	7	9	9		N1	4	8	10	3		K4	4	2	8	9		K4	4	2	7	11		K4	4	2	9	0		K4	4	2	9	0					
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P	5	22	5	6	3	9	P	5	24	5	9	4	0	N2	4	8	14	10		K6	4	6	10	10		K6	4	8	11	6		K6	4	8	12	1		K6	4	8	12	1			
Q	5	3	7	5		Q	5	3	8	0		P	6	26	6	6	4	3	M	4	27	4	9		M	4	29	4	9		M	4	30	4	9		M	4	30	4	9				
R	5	8	2	8		R	5	8	2	10		Q	5	4	8	7		N1	4	8	10	11		N1	4	8	12	1		N1	4	8	12	2		N1	4	8	12	2					
S1	5	8	1	3		S1	5	10	1	3		R	5	9	3	3		N2	4	8	15	8		N2	4	8	16	7		N2	4	8	17	4		N2	4	8	17	4					
S2	5	6	2	3		S2	5	6	2	3		S1	5	8	1	3		P	6	27	6	9	4	6	P	7	29	7	0	4	9	P	7	30	7	3	5	0	P	7	30	7	3	5	0
T1	5	2	2	3		T1	5	2	2	3		S2	5	8	2	6		Q	5	4	9	2		Q	5	4	9	9		Q	5	4	10	4		Q	5	4	10	4					
T2	5	4	7	0		T2	5	4	7	6		T1	5	2	3	3		R	5	9	3	5		R	5	10	3	5		R	5	10	3	5		R	5	10	3	5					
												T2	5	4	8	3		S1	5	10	1	3		S1	5	10	1	6		S1	5	10	1	6		S1	5	10	1	6					
																		S2	5	8	2	9		S2	5	8	2	9		S2	5	8	2	9		S2	5	8	2	9					
																		T1	5	2	3	3		T1	5	2	4	0		T1	5	2	4	0		T1	5	2	4	0					
																		T2	5	4	8	9		T2	5	4	9	3		T2	5	4	10	0		T2	5	4	10	0					

- NOTES**
- NUMBER OF BARS IN ONE HEADWALL.
 - DIMENSIONS ARE 0. TO 0. OF BARS.
 - ALL BARS ARE STRAIGHT EXCEPT THOSE SHOWN BELOW.

BENT BAR SHAPES



(USE WITH CURRENT RDH-120)

KENTUCKY DEPARTMENT OF HIGHWAYS
 BILL OF REINFORCEMENT
 78" TO 108" DIAMETER
 CIRCULAR PIPE HEADWALLS
 15° SKEW

STANDARD DRAWING NO. RDH-322-04

SUBMITTED _____ DIRECTOR DIVISION OF DESIGN _____ DATE _____
 APPROVED _____ STATE HIGHWAY ENGINEER _____ DATE _____