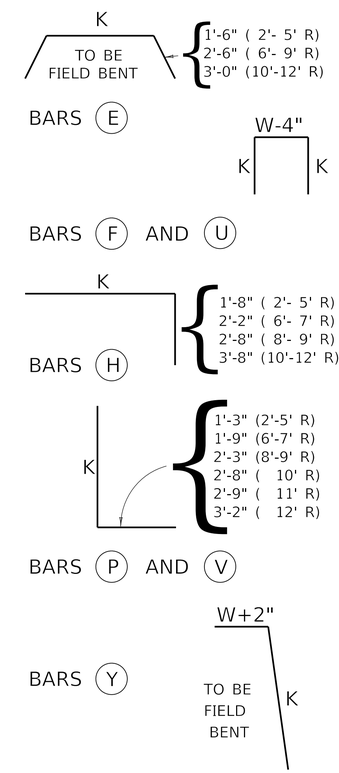
MARK	SIZE	NO (1)	LGTH FT	LGTH IN	K FT	K IN
12' X 12'						
A	5	4	19	3		
B1	5	8	6	0		
B2	5	8	7	0		
B3	5	8	7	10		
B4	5	8	8	9		
B5	5	8	9	9		
B6	5	8	10	9		
B7	5	8	11	8		
B8	5	8	12	7		
B9	5	8	13	7		
C1	4	4	2	3		
C2	4	4	4	5		
C3	4	4	6	6		
C4	4	4	8	7		
C5	4	4	10	9		
C6	4	4	12	11		
C7	4	4	15	1		
C8	4	4	17	1		
C9	4	20	17	5		
E1	5	2	20	3	14	3
E2	5	2	21	3	15	3
F	4	14	2	8	0	11
G1	4	4	16	10		
G2	4	3	20	1		
G3	4	3	23	5		
G4	4	3	26	9		
G5	4	4	30	0		
H	4	16	18	7	14	11
M	4	36	6	8		
N	4	22	17	5		
P	8	36	9	8	6	6
Q	5	6	13	8		
R	5	14	5	5		
U1	4	2	4	0	1	7
U2	4	2	4	6	1	10
U3	4	2	5	0	2	1
U4	4	2	5	4	2	3
U5	4	2	5	10	2	6
U6	4	2	6	4	2	9
U7	4	2	6	10	3	0
U8	4	2	7	2	3	2
U9	4	2	7	8	3	5
U10	4	2	8	2	3	8
Y	4	4	13	8	12	3

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



KENTUCKY
DEPARTMENT OF HIGHWAYS

BILL OF REINFORCEMENT
12' X 12' HEADWALLS
PRECAST BOX CULVERTS
0° SKEW

STANDARD DRAWING NO. RDH-1308-03

SUBMITTED _____ DIRECTOR DIVISION OF DESIGN _____ DATE

APPROVED _____ STATE HIGHWAY ENGINEER _____ DATE