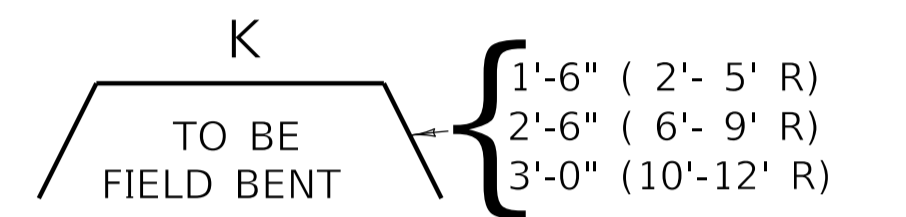


M A R K	S I Z E	NO		LGTH		K		M A R K	S I Z E	NO		LGTH		K	
		①		FT	IN	FT	IN			①		FT	IN	FT	IN
12' X 12'								12' X 12' (CONTINUED)							
A <sub>1</sub>	5	2	17	0				N <sub>1</sub>	4	36	6	8			
A <sub>2</sub>	5	2	18	8				N <sub>2</sub>	4	7	20	2			
B <sub>1</sub>	5	4	6	0				N <sub>3</sub>	4	4	22	3			
B <sub>2</sub>	5	4	7	0				P	8	37	9	8	6	6	
B <sub>3</sub>	5	4	7	11				Q	5	7	13	8			
B <sub>4</sub>	5	4	8	10				R	5	14	5	7			
B <sub>5</sub>	5	4	9	9				S <sub>1</sub>	5	2	1	0			
B <sub>6</sub>	5	4	10	8				S <sub>2</sub>	5	2	1	4			
B <sub>7</sub>	5	4	11	7				S <sub>3</sub>	5	2	1	7			
B <sub>8</sub>	5	4	12	7				S <sub>4</sub>	5	2	1	11			
B <sub>9</sub>	5	12	13	6				S <sub>5</sub>	5	2	2	2			
C <sub>1</sub>	4	2	6	10				S <sub>6</sub>	5	2	2	6			
C <sub>2</sub>	4	2	9	0				S <sub>7</sub>	5	2	2	9			
C <sub>3</sub>	4	2	11	1				S <sub>8</sub>	5	2	3	1			
C <sub>4</sub>	4	2	13	3				S <sub>9</sub>	5	2	3	5			
C <sub>5</sub>	4	2	15	5				S <sub>10</sub>	5	2	3	8			
C <sub>6</sub>	4	2	17	6				S <sub>11</sub>	5	2	4	0			
C <sub>7</sub>	4	2	19	9				S <sub>12</sub>	5	2	4	3			
C <sub>8</sub>	4	2	21	9				S <sub>13</sub>	5	2	4	7			
C <sub>9</sub>	4	10	22	1				S <sub>14</sub>	5	2	4	10			
E <sub>1</sub>	5	2	21	10	15	10		S <sub>15</sub>	5	2	5	2			
E <sub>2</sub>	5	2	23	1	17	1		S <sub>16</sub>	5	2	5	6			
F	4	17	1	10	0	6		T <sub>1</sub>	5	2	4	5			
G <sub>1</sub>	4	1	16	2				T <sub>2</sub>	5	2	8	0			
G <sub>2</sub>	4	2	17	10				T <sub>3</sub>	5	2	11	5			
G <sub>3</sub>	4	2	19	7				T <sub>4</sub>	5	2	14	10			
G <sub>4</sub>	4	2	21	3				T <sub>5</sub>	5	2	15	3			
G <sub>5</sub>	4	2	23	0				U <sub>1</sub>	4	1	3	8	1	5	
G <sub>6</sub>	4	2	24	8				U <sub>2</sub>	4	1	4	2	1	8	
G <sub>7</sub>	4	2	26	5				U <sub>3</sub>	4	1	4	8	1	11	
G <sub>8</sub>	4	3	28	0				U <sub>4</sub>	4	1	5	2	2	2	
H	4	15	19	4	15	8		U <sub>5</sub>	4	1	5	8	2	5	
J <sub>1</sub>	5	4	6	1				U <sub>6</sub>	4	1	6	2	2	8	
J <sub>2</sub>	5	4	7	1				U <sub>7</sub>	4	1	6	8	2	11	
J <sub>3</sub>	5	4	8	2				U <sub>8</sub>	4	1	7	2	3	2	
J <sub>4</sub>	5	4	9	3				U <sub>9</sub>	4	1	7	8	3	5	
J <sub>5</sub>	5	4	10	3				U <sub>10</sub>	4	1	8	2	3	8	
J <sub>6</sub>	5	4	11	4				X <sub>1</sub>	4	1	4	0	1	7	
J <sub>7</sub>	5	4	12	4				X <sub>2</sub>	4	1	4	4	1	9	
J <sub>8</sub>	5	2	13	5				X <sub>3</sub>	4	1	4	10	2	0	
K <sub>1</sub>	4	2	1	6				X <sub>4</sub>	4	1	5	4	2	3	
K <sub>2</sub>	4	2	3	5				X <sub>5</sub>	4	1	5	10	2	6	
K <sub>3</sub>	4	2	5	4				X <sub>6</sub>	4	1	6	2	2	8	
K <sub>4</sub>	4	2	7	3				X <sub>7</sub>	4	1	6	8	2	11	
K <sub>5</sub>	4	2	9	2				X <sub>8</sub>	4	1	7	2	3	2	
K <sub>6</sub>	4	2	11	1				X <sub>9</sub>	4	1	7	8	3	5	
K <sub>7</sub>	4	2	13	0				X <sub>10</sub>	4	1	8	2	3	8	
K <sub>8</sub>	4	2	14	11				Y	4	2	13	1	11	8	
K <sub>9</sub>	4	10	15	1				Z	4	2	13	4	11	11	
M <sub>1</sub>	4	2	4	0											

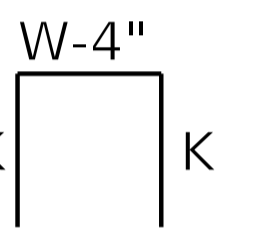
**NOTES**

- 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

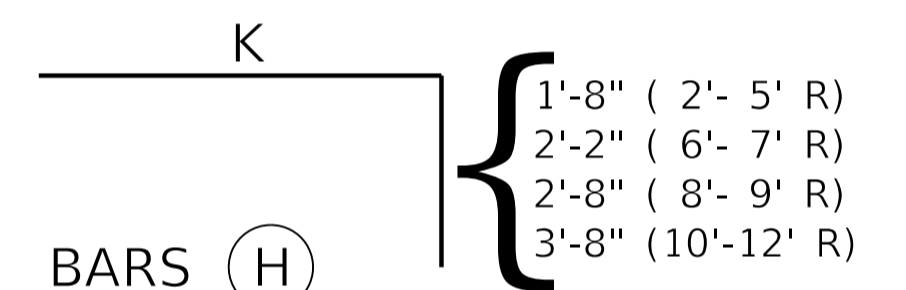
**BENT BAR SHAPES**



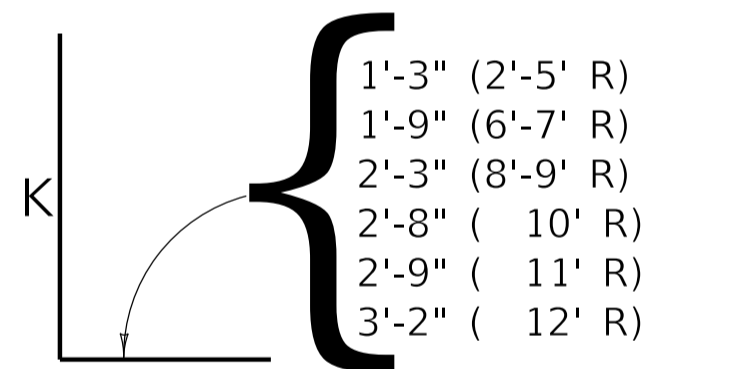
BARS (E)



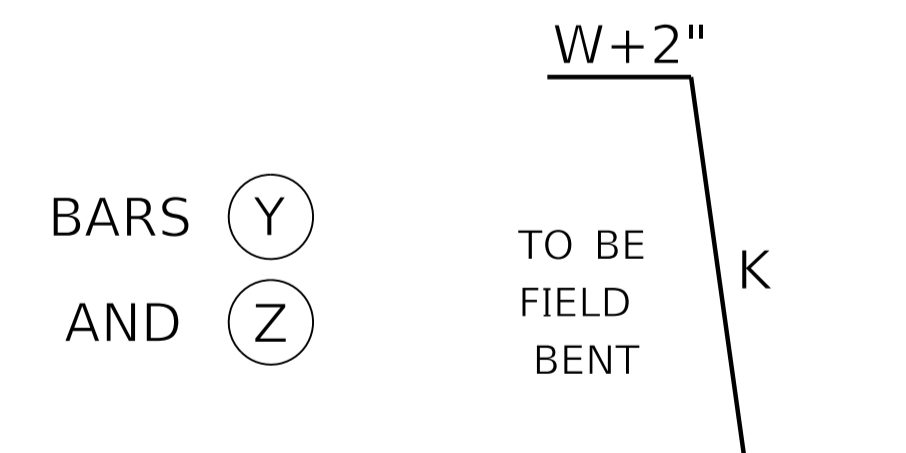
BARS (F), (U) AND (X)



BARS (H)



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



BARS (Y) AND (Z)

**KENTUCKY  
DEPARTMENT OF HIGHWAYS**  
*BILL OF REINFORCEMENT  
12' X 12' HEADWALLS  
PRECAST BOX CULVERTS  
15° SKEW*

STANDARD DRAWING NO. RDH-1326-03

SUBMITTED \_\_\_\_\_ DIRECTOR DIVISION OF DESIGN \_\_\_\_\_ DATE \_\_\_\_\_  
APPROVED \_\_\_\_\_ STATE HIGHWAY ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_