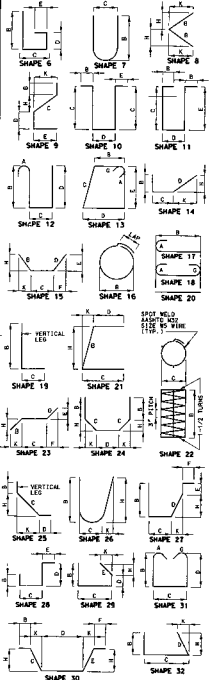


BILL OF REINFORCING STEEL

NO. REQ'D.	MARK NO.	LOCATION	SHAPE NO.	CROSS SECTION	DIMENSIONS											NOMINAL LENGTH	ACTUAL LENGTH	WEIGHT
					B	C	D	E	F	H	K	IN. FT.	IN. FT.	IN. FT.	IN. FT.			
SUPERSTRUCTURE																		
END BENTS NO. 1 & NO. 2																		
12	6 F1	WING BRACE	23	S		14.25	4 6.000		14.25	3.625	10.375		9.625	10.375	6 9	6 8	120	
8	6 F2	DIAPHRAGM	21	S		2 3.000	5 2.000						2 3.000	1.750	7 5	7 3	87	
12	6 F3	WING BRACE	23	S		14.25	4 2.000	14.25	10.250	9.625		10.250	3.625	6 6	6 5	116		
8	6 F4	DIAPHRAGM	21	S		2 3.000						2 3.000	1.750	7 5	7 3	87		
14	7 H10	BEAM	20			54 6.000							54 6	54 6	1782			
2	4 H11	APPR. HUNCH	20			49 5.000							49 5	49 5	58			
104	5 H12	APPR. SLAB	E20			2 6.000							2 6	2 6	271			
4	6 H14	BEAM	20			54 6.000							54 6	54 6	327			
40	6 H15	DIAPHRAGM	20			9 2.000							9 2	9 2	581			
16	6 H16	DIAPHRAGM	20			3 4.000							3 4	3 4	80			
8	6 H17	DIAPHRAGM	20			54 6.000							54 6	54 6	655			
8	7 H18	DIAPHRAGM	E20			60 3.000							60 3	60 3	84			
8	6 H19	WING	E20			13 1.000							13 1	13 1	167			
24	6 H20	WING	20			13 1.000							13 1	13 1	502			
48	6 H21	WING	20			4 10.000							4 8	4 8	625			
INCREMENT 18.000 INCH																		
8	6 Y1	WING	25			2 0.000	11 2.500	3 3.000			4 9.000	10 6.000		16 9	16 8	401		
84	5 U1	BEAM	10	S		4 11.000	2 3.000						12 1	11 1	1044			
40	4 U2	BEAM	10	S		2 3.000	9 0.000	2 3.000	2 3.000				10 9	10 7	281			
106	5 U3	DIAPHRAGM	E10	S		4 1.000	2 3.000						10 5	10 9	1123			
94	4 U5	APPR. HUNCH	10	S			17.500	6.000					3 5	3 3	204			
138	6 U6	DIAPHRAGM	E10	S		4 1.000	4 5.000						8 6	8 4	1727			
36	5 V1	BEAM	20			5 0.000							5 0	5 0	188			
80	6 V10	WING	20			2 6.000							4 6	4 6	541			
INCREMENT 5.375 INCH																		
16	6 W1	WING	20			6 10.000							6 10	6 10	164			

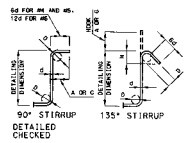
BILL OF REINFORCING STEEL

NO. REQ'D.	MARK NO.	LOCATION	SHAPE NO.	CROSS SECTION	DIMENSIONS											NOMINAL LENGTH	ACTUAL LENGTH	WEIGHT
					B	C	D	E	F	H	K	IN. FT.	IN. FT.	IN. FT.	IN. FT.			
SLAB																		
210	4 S1	SLAB	E20														49 8.00	
210	5 S2	SLAB	E20														1 3.00 8.50 2 6.00	
265	5 S3	SLAB	E37														2 6.00 6.00 7 6.00	
88	5 S4	SLAB	E20														40 0.00	
144	5 S5	SLAB	E20														35 6.00	
RAIL																		
210	5 R1	RAIL	E28														5.00 9.00 4 1.00 1 0.00	
210	5 R2	RAIL	E10														4 1.00 7.00 1 0.00	
40	7 R3	RAIL	E20														40 0.00	
20	7 R4	RAIL	E20														36 3.00	
80	5 K1	RAIL/WING	K8														5.00 9.00 4 10.00 8.00	
60	5 K2	RAIL/WING	E5														4 10.00 7.00 4 10.00 8.00	
140	7 K3	RAIL/WING	E10														11 5.00	
18	7 K4	RAIL/WING	E20														8 11.00	
8	7 K5	RAIL/WING	E10														8 3.00	
8	7 K6	RAIL/WING	E14														5 6.00 3 9.00	
SIDEWALK																		
44	5 W1	SIDEWALK	E20														40 0.00	
22	5 W2	SIDEWALK	E20														36 3.00	
36	5 X1	SIDEWALK	E10														14 7.00	
60	5 Y1	SIDEWALK	E10														1 0.00 7 6.00	



PLAN  
 PROFILE  
 ELEVATION  
 SECTION  
 DETAIL

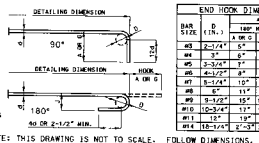
PROFILE  
 ELEVATION  
 SECTION  
 DETAIL



STIRRUP HOOK DIMENSIONS  
 GRADES 40 - 60 - 65 KSI

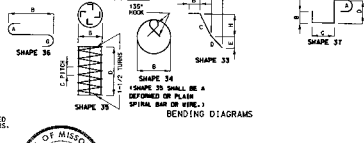
BAR SIZE (IN.)	90° HOOK	135° HOOK	180° HOOK
#3	1 1/2"	2 1/4"	3 1/4"
#4	2"	3 1/4"	4 1/2"
#5	2 1/2"	4"	5 1/4"
#6	3 1/4"	5 1/4"	6 3/4"
#7	4 1/4"	6 1/4"	8 1/4"
#8	5 1/4"	7 1/4"	9 3/4"
#9	6 1/4"	8 1/4"	10 3/4"
#10	7 1/4"	9 1/4"	11 3/4"
#11	8 1/4"	10 1/4"	12 3/4"
#12	9 1/4"	11 1/4"	13 3/4"

NOTE: THESE DIMENSIONS MEASUREMENTS ARE TO THE CENTER OF THE BAR FOR ALL BENDS AND HOOKS ON A BEND.



NOTE: ALL STANDARD HOOKS AND BENDS OTHER THAN 180 DEG. TO BE BENT WITH THE SAME PROCEDURE AS FOR 90 DEG. THE HOOKS SHOULD BE BENT IN ACCORDANCE WITH THE PROCEDURES AS SHOWN ON THIS SHEET. ALL BARS SHALL BE BENT TO THE NEAREST 1/8".

5 - BAR IS INCLUDED IN SUBSTRUCTURE QUANTITIES  
 6 - BAR DIMENSIONS VARY IN EQUAL INCREMENTS BETWEEN DIMENSIONS SHOWN ON THIS LINE  
 7 - BAR IS NUMBER OF BARS OF EACH LENGTH  
 8 - DIMENSIONS ARE BASED ON OUT TO OUT DIMENSIONS SHOWN IN BENDING DIAGRAMS AND ARE LISTED FOR FABRICATOR'S USE INCREASED FROM ACTUAL LENGTHS  
 9 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 10 - DIMENSIONS ARE BASED ON ACTUAL LENGTHS  
 11 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 12 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 13 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 14 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 15 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 16 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 17 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 18 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 19 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 20 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 21 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 22 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 23 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 24 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 25 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 26 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 27 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 28 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 29 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 30 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 31 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 32 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.  
 33 - DIMENSIONS ARE MEASURED ALONG CENTERLINE OF BAR TO THE NEAREST INCH.



NOTE: THIS DRAWING IS NOT TO SCALE. FOLLOW DIMENSIONS.

