

R1 & R2

R3

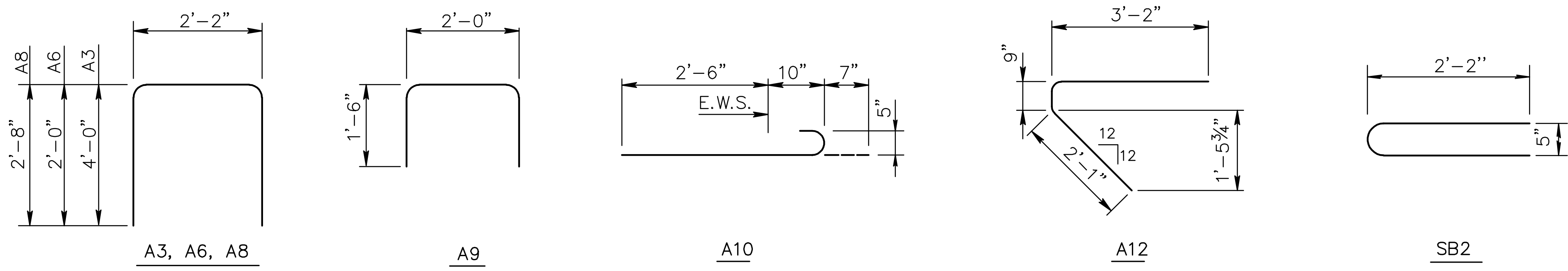
R4

R5

R6

R7

C1



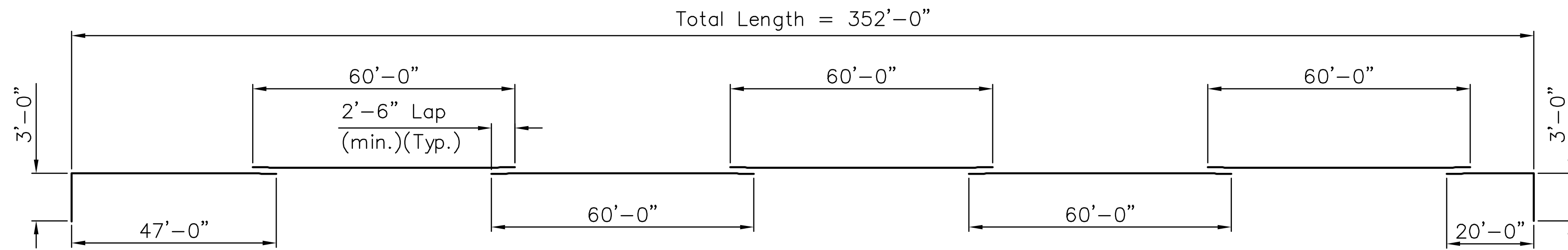
A3, A6, A8

A9

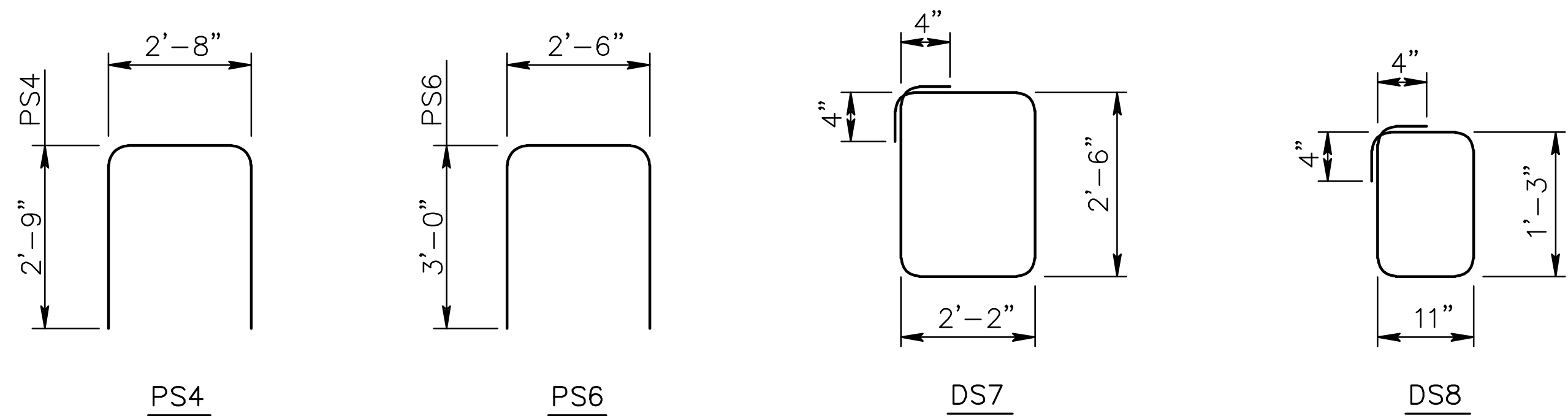
A10

A12

SB2



SE1 Series Bar



PS4

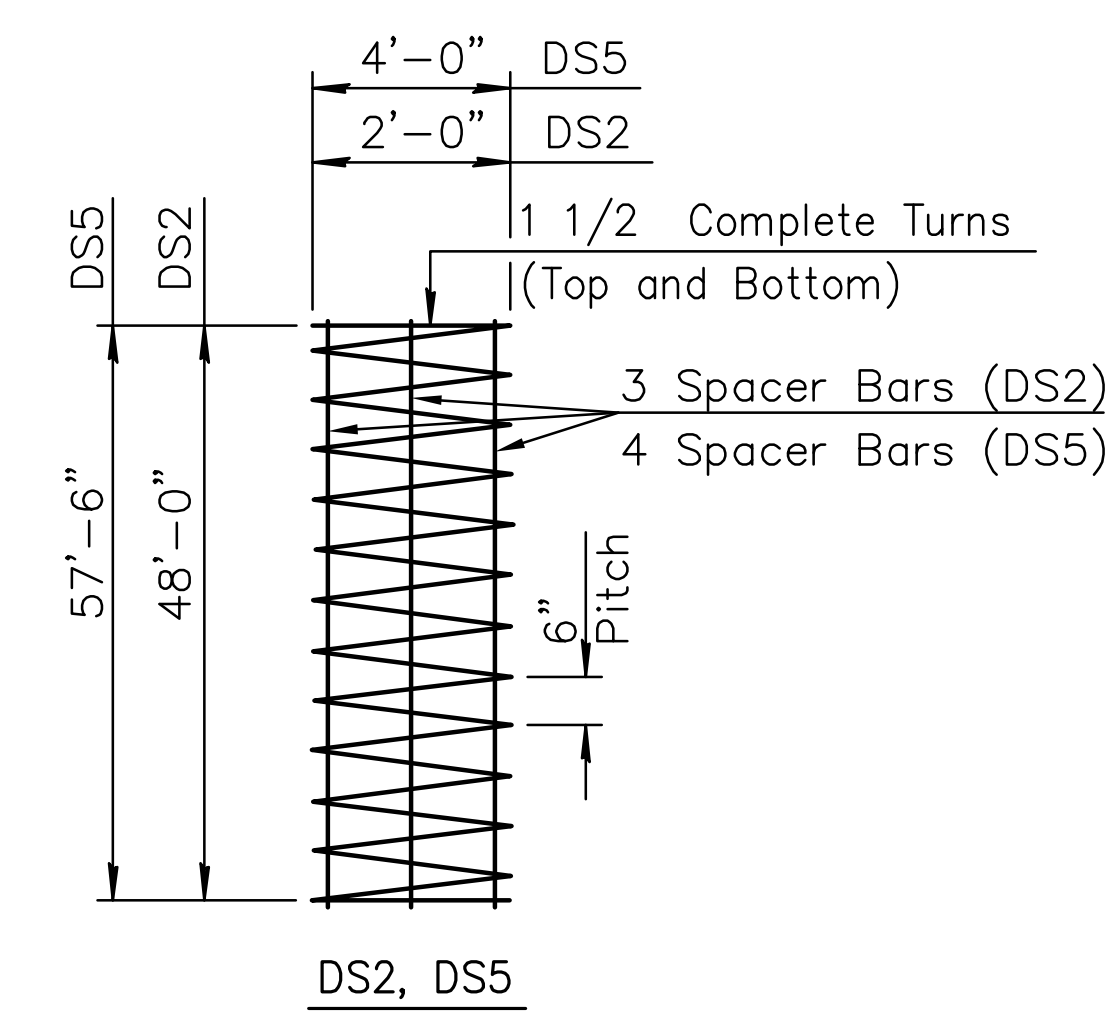
PS6

DS7

DS8

**BENDING DIAGRAMS**

All dimensions are out to out of bars.  
†Bend this leg to match the slope of the roadway



DS2, DS5

Weight of spiral spacer bars are included in the weight of reinforcing steel. Spiral reinforcing shall meet the requirements of either ASTM A615 Gr.60 or 40, or A82.

BILL OF REINFORCING STEEL Epoxy Coated - Grade 60							
Straight Bars				Bent Bars			
Mark	Size	Number	Length	Mark	Size	Number	Length
<b>Abutment</b>							
A1	#9	48	56'-6"	A3	#5	180	10'-2"
A2	#9	48	42'-2"	A6	#5	180	6'-2"
A4	#5	48	56'-6"	A8	#5	180	7'-6"
A5	#5	48	41'-2"	A9	#5	48	5'-0"
A7	#5	360	12'-6"	A10	#5	160	3'-11"
A11	#4	4	43'-10"	A12	#4	160	6'-0"
<b>Deck Slab</b>							
S1	#5	1388	45'-5"	SE1	#6	353	*
S2	#5	1388	43'-8"				
S3	#5	204	10'-0"				
S4	#5	84	10'-2"				
S5	#5	80	9'-3"Δ				
S6	#5	8	24'-9"				
<b>Traffic Rail</b>							
R8	#6	24	10'-10"	R1	#7	28	8'-6"
R9	#6	396	9'-8"	R3	#7	552	6'-6"
SB1	#5	204	7'-6"	R2	#6	4	5'-10"
C2	#4	40	36'-8"	SB2	#5	340	4'-7"
				R4	#4	552	3'-10"
				C1	#4	416	3'-0"
				R5	#3	926	3'-6"
				R6	#3	136	4'-6"
				R7	#3	288	4'-10"
<b>Pier</b>							
PS1	#7	152	60'-0"	PS4	#5	336	8'-2"
PS2	#7	104	27'-0"	PS6	#5	136	8'-6"
PS3	#7	48	31'-0"				
PS5	#5	304	16'-4"				

\* See Bending Diagram  
Δ Average Length (Varies 2'-6" to 16'-0")

BILL OF REINFORCING STEEL Non-Epoxy Coated - Grade 60							
Straight Bars				Bent Bars			
Mark	Size	Number	Length	Mark	Size	Number	Length
<b>Drilled Shaft</b>							
† DS1	#9	216	48'-2"	† DS2	#3	18	*
† DS3	#9	180	16'-4"	†† DS5	#4	8	*
†† DS4	#10	192	57'-9"	†† DS7	#5	248	10'-0"
†† DS6	#11	128	30'-0"	† DS8	#5	270	5'-0"

† Subsidiary to the bid item "Drilled Shaft (30" Dia.)"  
†† Subsidiary to the bid item "Drilled Shaft (60" Dia.)"

**LINCOLN STREET BRIDGE AND  
DAM IMPROVEMENTS OVER  
ARKANSAS RIVER**

**BILL OF REINFORCING AND BENDING DIAGRAM**  
SHEET TITLE  
472-84883  
PROJECT NUMBER

JRA  
DESIGN BY  
PJD  
DRAWN BY  
JRA  
CHECKED BY

ISSUED  
1/24/2011  
REVISED

SHEET NO.  
66 of 169