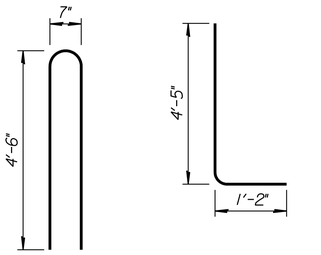
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	472-84118	2005	43	79

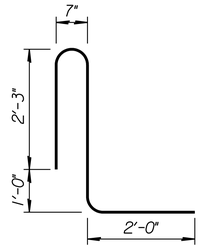
Roadway Width	= 40'	Longest Span Length	= 48'
Skew and Direction	= 0	Total No. of Spans	= 3
Loading	= HS20	Rolling Type	= 32' Corral

Plotted By	: ras
Plot File	: i:/1999/99764/officecheck/99764_C-ReinfEXI.dgn
Plot Date	: 9-8-2005
Std. Base File	: /usr2/hslab/248x004x000.dgn
Server File	: /usr2/
Server	: wilch
View	= PLOT15



R1

R2



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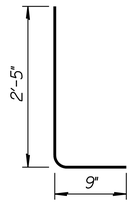

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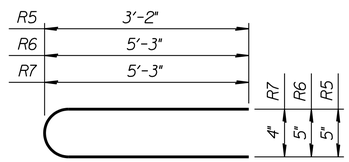
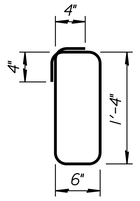
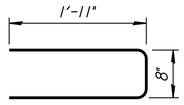


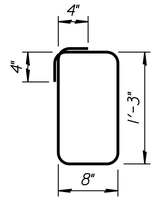
R5, R6 & R7



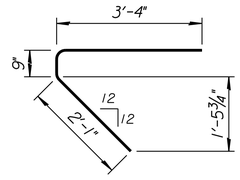
R8



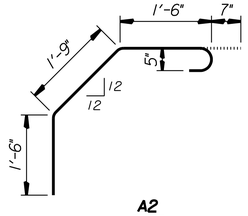
R9



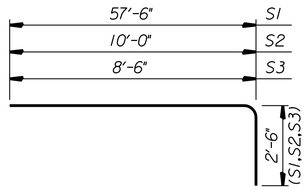
R10



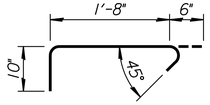
A5



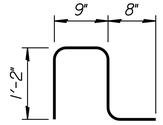
A2



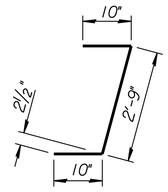
S1, S2 & S3



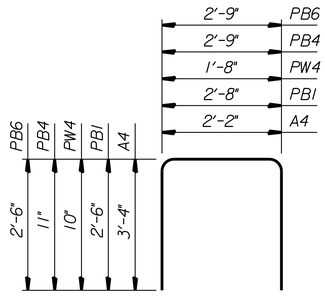
PW3



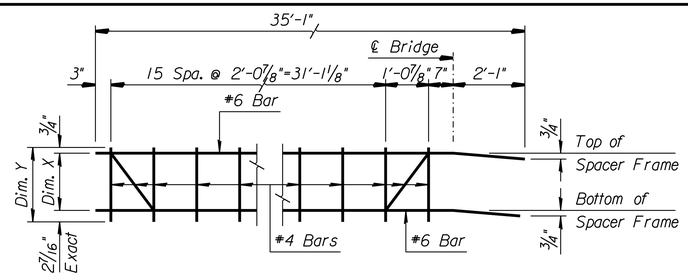
C1



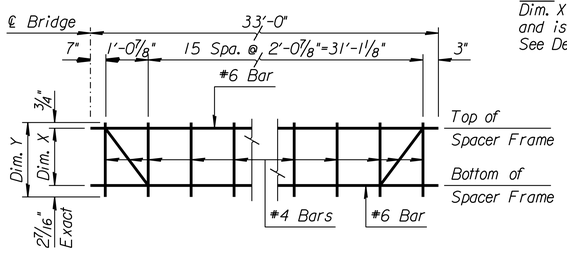
PB5



A4, PB1, PW4, PB4, PB6



T10 Thru T16 Welded Spacer Frames



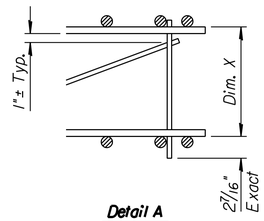
T3 Thru T9 Welded Spacer Frames

Note:
Dim. X is out to out and is an exact dim. See Detail A.

⊗ SPACER FRAMES
(Epoxy Coated)

Mark	No. Ea.	Dim. X	Dim. Y
T3, T10	6	8 3/16"	1'-0"
T4, T11	4	8⅞"	1'-0 1/16"
T5, T12	4	9⅜"	1'-0 9/16"
T6, T13	4	10⅜"	1'-1 9/16"
T7, T14	4	11⅞"	1'-3 1/16"
T8, T15	4	1'-1⅞"	1'-5 1/16"
T9, T16	4	1'-4⅜"	1'-7 9/16"

Weight of spacer frames included in the weight of reinforcing steel.



Detail A

BENDING DIAGRAMS

(All dimensions are out to out of bars.)

BILL OF REINFORCING STEEL
Epoxy Coated - Grade 60

	Straight Bars				Bent Bars			
	Mark	Size	Number	Length	Mark	Size	Number	Length
Superstructure — Abutment - Deck - Rail	S7	#10	70	38'-0"	S1	#9	92	60'-0"
	S13	#10	35	50'-0"				
					R1	#7	24	9'-3"
	S4	#9	84	31'-6"	R2	#7	4	5'-7"
	S6	#9	46	13'-0"	R3	#7	188	7'-9"
	S8	#9	64	28'-6"	S2	#7	84	12'-6"
	S9	#9	64	21'-6"	S3	#7	84	11'-0"
	S10	#9	60	16'-6"				
	S14	#9	32	30'-0"	A2	#5	100	5'-4"
	S15	#9	32	25'-0"	R5	#5	8	6'-6"
					R6	#5	8	10'-8"
	A1	#8	32	39'-9"				
	S5	#8	84	16'-6"	A4	#4	288	8'-10"
	S16	#8	30	18'-0"	A5	#4	124	6'-2"
					R4	#4	188	3'-2"
	R11	#6	24	8'-3"	R7	#4	4	10'-8"
	R12	#6	120	9'-8"	C1	#4	144	3'-9"
	T1	#5	162	33'-10"	R8	#3	332	4'-4"
					R9	#3	88	4'-6"
	A3	#4	32	38'-0"	R10	#3	44	4'-6"
	A6	#4	4	33'-10"				
	S11	#4	64	11'-0"				
	S12	#4	64	11'-6"				
	T2	#4	108	33'-10"	T3-T16			⊗
	SC1	#4	66	6'-6"				
	C2	#4	16	31'-3"				
Pier Beam	PB2	#5	16	33'-7"	PB1	#5	232	7'-8"
	PB3	#5	24	34'-3"	PB4	#4	8	4'-7"
					PB5	#5	12	4'-5"
					PB6	#5	8	7'-9"
Substructure — Non-Epoxy	PW1	#5	88	32'-10"	PW3	#5	336	3'-0"
	PW2	#5	288	15'-6"	PW4	#5	44	3'-4"

⊗ See Bending Diagram

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

KANSAS DEPARTMENT OF TRANSPORTATION
Br. No. 5304008700LBS05 Sta. 46+45.00
BILL OF REINFORCING
AND
BENDING DIAGRAMS
Proj. No. 472-84118 Sedgwick Co.

SHEET NO. OF		SCALE		APP'D	
DESIGNED	DRT	DETAILED	DRT	QUANTITIES	DRT
DESIGN CK.	BR	DETAIL CK.	MLL	QUAN. CK.	
CADD	BES				
CADD CK.					