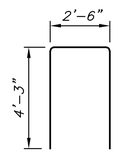
PLOTTED: Wednesday, November 29, 2017 @ 03:11PM



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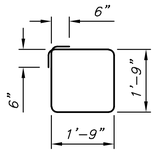

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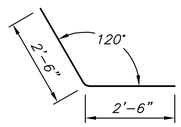

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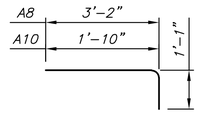

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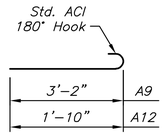

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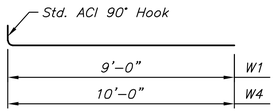
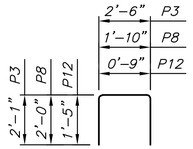
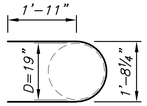


W1 & W4



P3, P8, & P12



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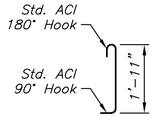

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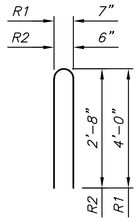
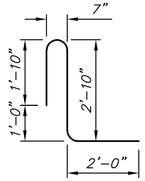
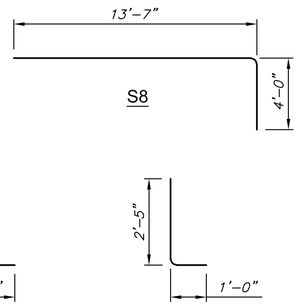


R1 & R2



R3

R4



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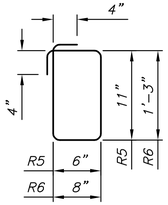
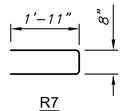
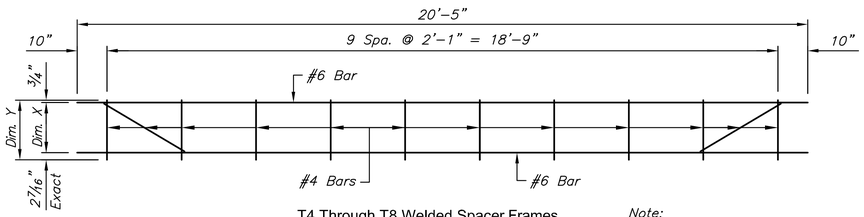


R5 & R6



R7

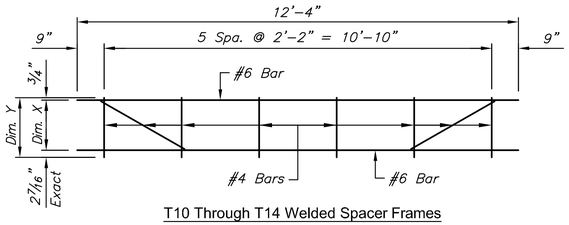


T4 Through T8 Welded Spacer Frames

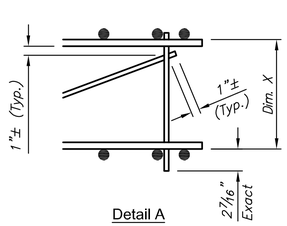
Note:
Dim. X is out to out and is an exact dim. See Detail A.

SPACER FRAMES (Epoxy–Coated)			
Mark	No. Ea.	Dim. X	Dim. Y
T3, T9	4	7 15/16"	11 1/8"
T4, T10	4	7 3/4"	10 15/16"
T5, T11	4	8 1/16"	11 3/8"
T6, T12	4	9 15/16"	1'–1 1/8"
T7, T13	4	1'–0 3/16"	1'–3 3/8"
T8, T14	4	1'–3 3/16"	1'–6 3/8"

Weight of Spacer Frames included in the weight of Reinforcing Steel.



T10 Through T14 Welded Spacer Frames



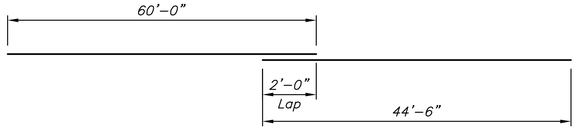
Detail A

BILL OF REINFORCING STEEL - PHASE 2
(Grade 60, Epoxy–Coated)

	Straight Bars				Bent Bars			
	Mark	Size	No.	Length	Mark	Size	No.	Length
Abutment No. 1	A1	#8	4	20'–5"	A8	#6	19	4'–3"
	A2	#8	4	18'–3"	A10	#6	11	2'–11"
	ST1	#8	5	3'–0"	A5	#5	32	11'–0"
	A3	#5	2	20'–5"	A6	#5	6	8'–0"
	A4	#5	10	18'–3"	A7	#5	6	5'–0"
	A11	#5	3	32'–10"	A9	#5	19	3'–9"
	W2	#5	8	4'–2"	A12	#5	11	2'–5"
	W3	#5	6	3'–3"	W1	#5	12	9'–10"
Abutment No. 2	A1	#8	4	20'–5"	A8	#6	20	4'–3"
	A2	#8	4	18'–3"	A10	#6	10	2'–11"
	ST1	#8	5	3'–0"	A5	#5	32	11'–0"
	A3	#5	2	20'–5"	A6	#5	6	8'–0"
	A4	#5	10	18'–3"	A7	#5	6	5'–0"
	A11	#5	3	32'–10"	A9	#5	20	3'–9"
	W5	#5	8	4'–4"	A12	#5	10	2'–5"
	W6	#5	8	3'–2"	W4	#5	12	10'–10"
Pier No. 1	P1	#8	9	19'–10"	P3	#5	34	6'–8"
	ST1	#8	11	3'–0"	P5	#5	18	6'–4"
	P2	#5	6	19'–10"	P8	#5	9	5'–10"
	P4	#5	18	13'–0"	P7	#3	16	2'–10"
	P6	#5	20	13'–9"				
Pier No. 2	P1	#8	9	19'–10"	P3	#5	34	6'–8"
	ST1	#8	11	3'–0"	P5	#5	18	6'–4"
	P2	#5	6	19'–10"	P8	#5	9	5'–10"
	P4	#5	18	13'–0"	P7	#3	16	2'–10"
	P6	#5	20	13'–9"				
Deck Slab	S1	#10	28	32'–3"	S8	#8	54	17'–7"
	S2	#10	14	42'–0"	P12	#5	104	3'–7"
	S3	#10	22	26'–9"				
	S4	#10	22	21'–3"				
	S6	#10	11	29'–0"				
	S7	#10	11	26'–0"				
	S9	#10	28	44'–9"				
	S10	#10	22	38'–3"				
	S11	#10	22	20'–6"				
	ST1	#8	101	3'–0"				
	T1	#6	222	20'–5"				
	S12	#5	2	104'–6"				
Corral Rail	R8	#6	12	10'–9"	R1	#7	12	8'–4"
	R9	#6	48	9'–8"	R3	#7	78	6'–11"
	SC1	#4	27	6'–6"	R2	#6	2	5'–8"
					R4	#4	78	3'–5"
					R5	#3	140	3'–6"
					R6	#3	18	4'–6"
					R7	#3	88	4'–6"

BILL OF REINFORCING STEEL - PHASE 3
(Grade 60, Epoxy–Coated)

	Straight Bars				Bent Bars			
	Mark	Size	No.	Length	Mark	Size	No.	Length
Abutment No. 1	A13	#8	4	12'–4"	A8	#6	11	4'–3"
	A14	#8	4	10'–2"	A10	#6	22	2'–11"
	ST1	#8	5	3'–0"	A5	#5	14	11'–0"
	A11	#5	3	32'–10"	A6	#5	6	8'–0"
	A15	#5	10	10'–2"	A9	#5	11	3'–9"
					A12	#5	22	2'–5"
Abutment No. 2	A13	#8	4	12'–4"	A8	#6	11	4'–3"
	A14	#8	4	10'–2"	A10	#6	22	2'–11"
	ST1	#8	5	3'–0"	A5	#5	14	11'–0"
	A11	#5	3	32'–10"	A6	#5	6	8'–0"
	A15	#5	10	10'–2"	A7	#5	5	5'–0"
	W2	#5	8	4'–2"	A9	#5	11	3'–9"
	W3	#5	6	3'–3"	A12	#5	22	2'–5"
					W1	#5	12	9'–10"
Pier No. 1	P9	#8	9	12'–4"	P3	#5	20	6'–8"
	ST1	#8	11	3'–0"	P5	#5	18	6'–4"
	P6	#5	12	13'–9"	P8	#5	5	5'–10"
	P10	#5	6	12'–4"	P7	#3	4	2'–10"
	P11	#5	18	6'–6"				
Pier No. 2	P9	#8	9	12'–4"	P3	#5	20	6'–8"
	ST1	#8	11	3'–0"	P5	#5	18	6'–4"
	P6	#5	12	13'–9"	P8	#5	5	5'–10"
	P10	#5	6	12'–4"	P7	#3	4	2'–10"
	P11	#5	18	6'–6"				
Deck Slab	S1	#10	20	32'–3"	S8	#8	32	17'–7"
	S2	#10	10	42'–0"				
	S3	#10	12	26'–9"				
	S4	#10	12	21'–3"				
	S6	#10	6	29'–0"				
	S7	#10	6	26'–0"				
	S9	#10	20	44'–9"				
	S10	#10	12	38'–3"				
	S11	#10	12	20'–6"				
	ST1	#8	101	3'–0"				
	T2	#6	222	12'–4"				
Corral Rail	R8	#6	12	10'–9"	R1	#7	12	8'–4"
	R9	#6	48	9'–8"	R3	#7	78	6'–11"
	SC1	#4	27	6'–6"	R2	#6	2	5'–8"
					R4	#4	78	3'–5"
					R5	#3	140	3'–6"
					R6	#3	18	4'–6"
					R7	#3	88	4'–6"



S12

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STREET IMPROVEMENTS FOR

127TH STREET EAST

FROM 13TH STREET NORTH TO 21ST STREET NORTH

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BILL OF REINFORCING STEEL

PROJECT NO.	472-85158
DATE	11/29/17
SCALE	NTS

DESIGNED	DRAWN	CHECKED
KJS	DMU	KJS

NO.	REVISION	DATE

SHEET NO.

94 OF 183

Sh. No. 94

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