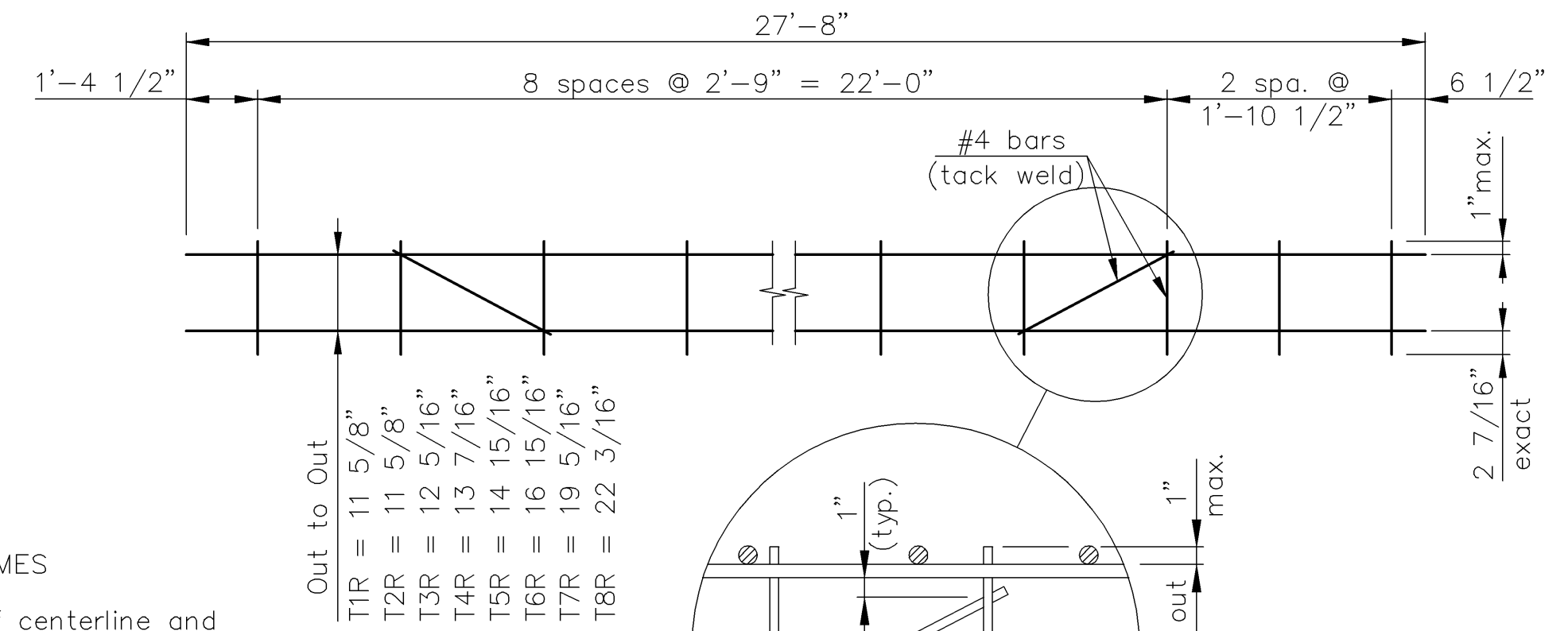
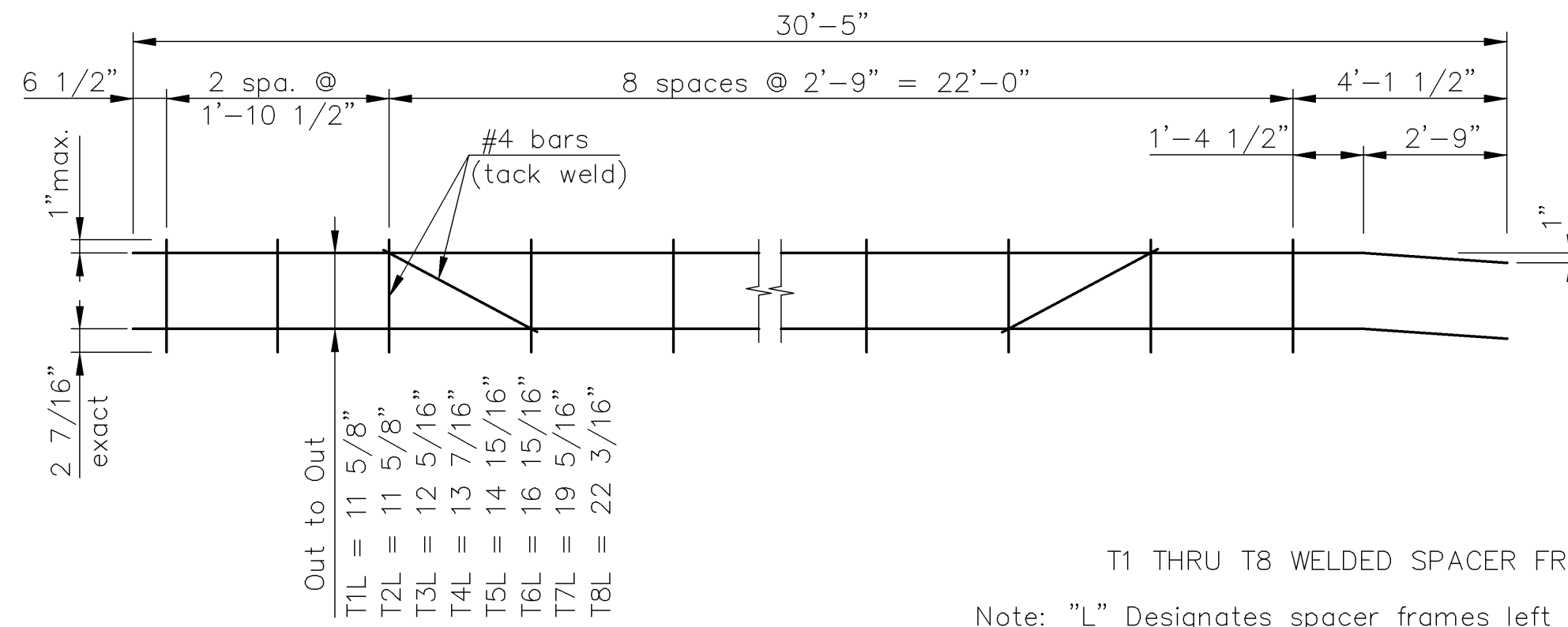


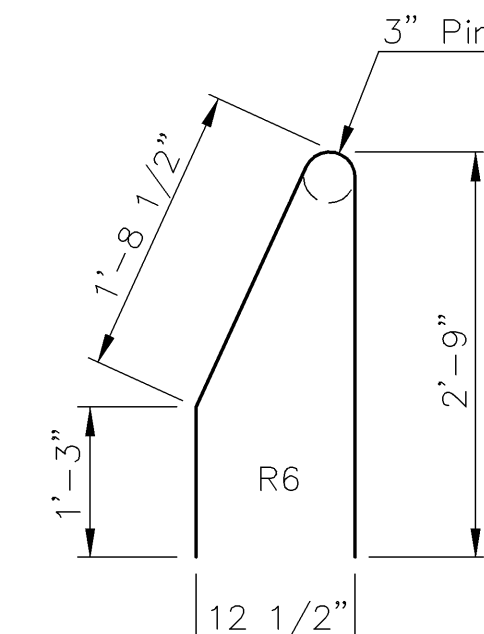
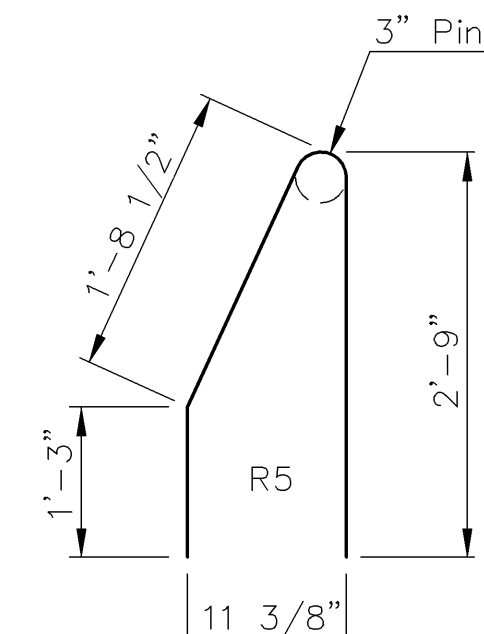
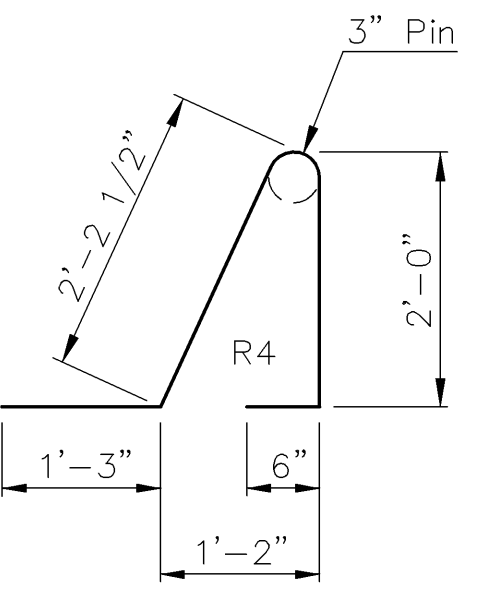
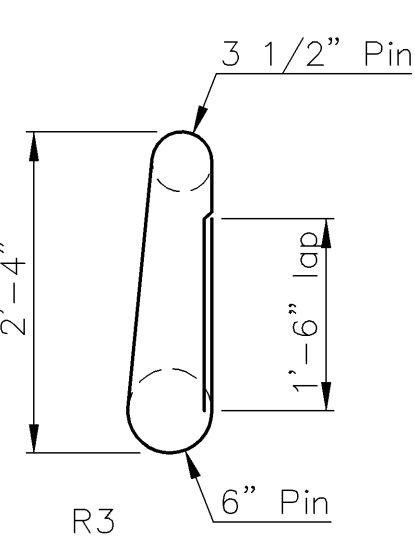
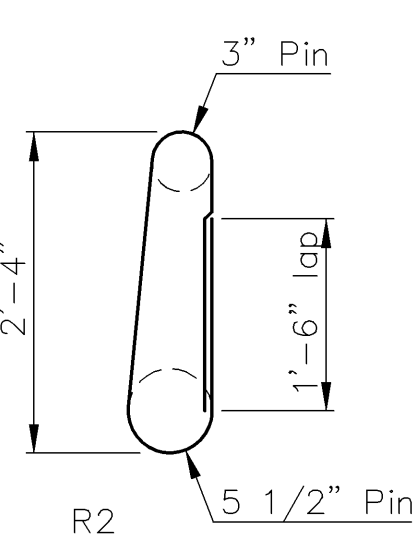
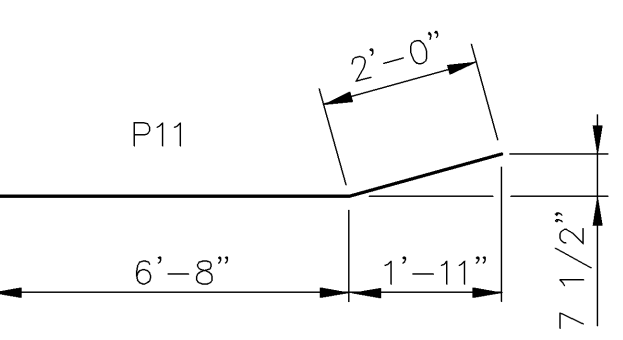
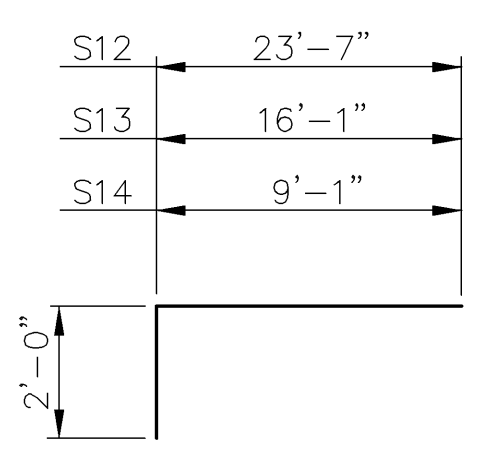
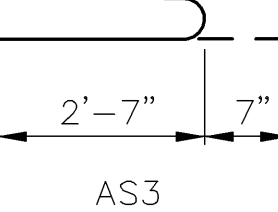
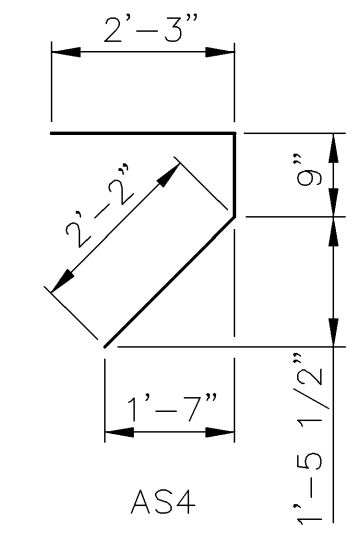
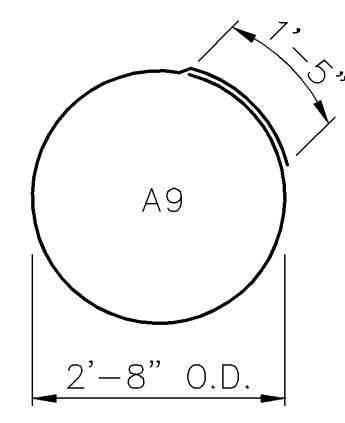
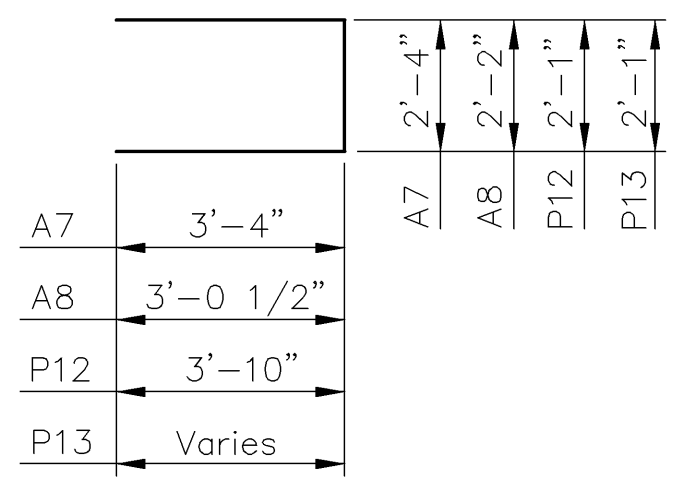
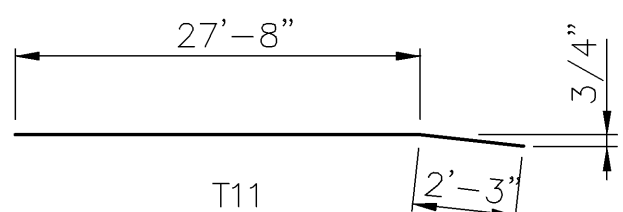
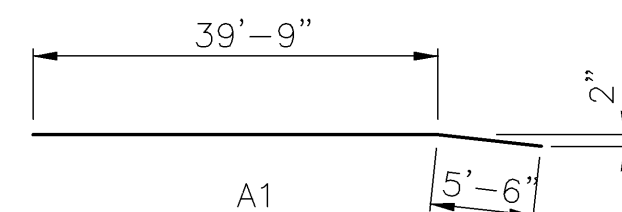
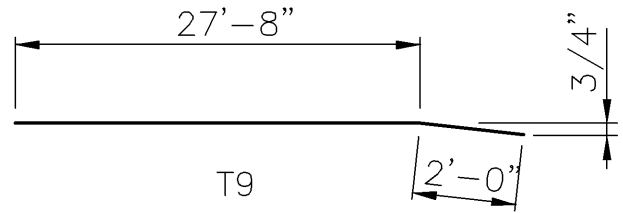
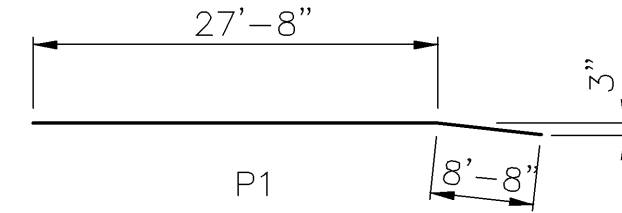
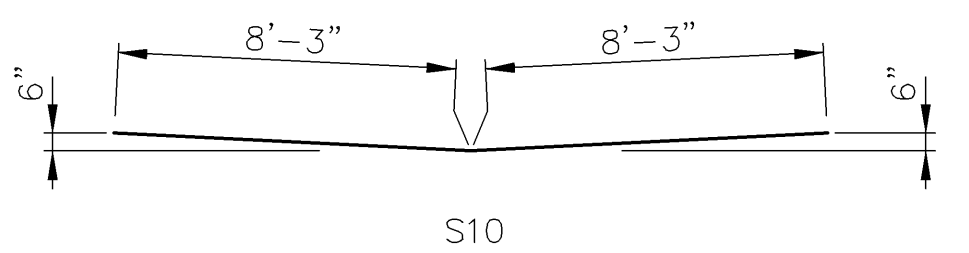
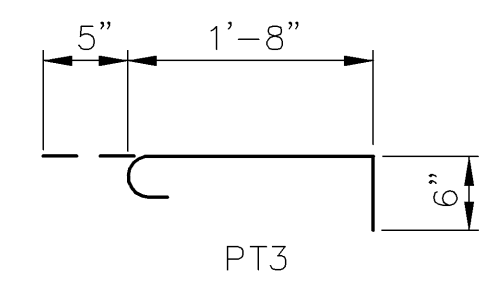
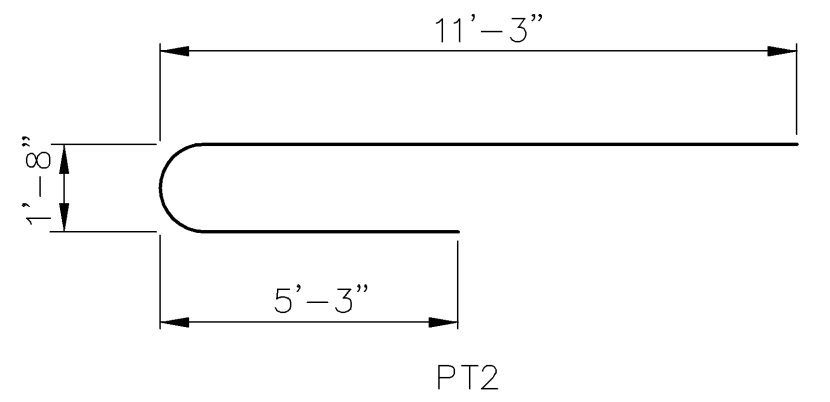
BENDING DIAGRAMS

All dimensions are out to out of bars.

BILL OF REINFORCING STEEL								
SUBSTRUCTURE	STRAIGHT BARS				BENT BARS			
	Mark	Size	No.	Length	Mark	Size	No.	Length
	PC1	#4	168	24'-3"	PT2	#4	96	17'-5"
	PT1	#4	96	28'-0"	PT3	#3	96	2'-7"
	S1	#11	66	57'-0"	S10	#10	78	16'-6"
	S2	#11	64	47'-0"	P1	#9	10	36'-4"
	S3	#10	47	60'-0"				
	S4	#10	78	47'-1"	A1	#8	8	45'-3"
	S5	#10	32	44'-0"	S12	#8	66	25'-7"
	S6	#10	64	38'-7"	S13	#8	64	18'-1"
	S7	#10	8	32'-4"	S14	#8	64	11'-1"
	S8	#10	96	30'-6"				
	S9	#10	64	24'-0"	AS3	#5	136	3'-2"
					P11	#5	20	8'-8"
	P2	#9	10	27'-8"	P12	#5	120	9'-9"
					P13	#5	56	Varies
	A2	#8	8	39'-11"	R2	#5	334	6'-7"
	A3	#8	8	43'-8"	R3	#5	4	6'-8"
	A4	#8	8	39'-11"	R4	#5	320	6'-0"
	S11	#8	33	19'-0"	R5	#5	14	5'-9"
					R6	#5	4	5'-9"
	R1	#6	8	42'-6"	T9	#5	114	29'-8"
	A5	#5	12	41'-9"	A7	#4	264	9'-0"
	A6	#5	12	39'-11"	A8	#4	8	8'-3"
	AS1	#5	2	36'-4"	A9	#4	4	9'-7"
	AS2	#5	2	34'-4"	AS4	#4	136	5'-2"
	P3	#5	4	29'-8"	T11	#4	74	29'-11"
	P4	#5	4	27'-8"				
	P5	#5	4	29'-1"				
	P6	#5	4	27'-1"				
	P7	#5	4	26'-4"				
	P8	#5	4	24'-4"	WELDED SPACER FRAMES			
	P9	#5	4	23'-7"	Mark	No.	Weight Each (lbs.)	
	P10	#5	4	21'-7"	T1L	9	76.7	
	SW1	#5	314	10'-3"	T2L	4	76.7	
	T10	#5	114	27'-8"	T3L	4	77.1	
					T4L	4	77.9	
	R7	#4	60	33'-10"	T5L	4	78.8	
	R8	#4	30	32'-10"	T6L	4	80.1	
	SW2	#4	75	33'-9"	T7L	4	81.1	
	SW3	#4	314	9'-7"	T8L	4	83.6	
	T12	#4	74	27'-8"				
					T1R	9	70.9	
					T2R	4	70.9	
					T3R	4	71.4	
					T4R	4	72.1	
					T5R	4	73.1	
					T6R	4	74.4	
					T7R	4	75.3	
					T8R	4	77.9	



T1 THRU T8 WELDED SPACER FRAMES
 Note: "L" Designates spacer frames left of centerline and "R" designates spacer frames right of centerline.



PROJECT NO. 87 N-0359-01		
BILL OF REINFORCING		
HILLSIDE ST. BRIDGE OVER GYPSUM CREEK		DESIGNED KMB SCALE
STA. 35+05.75		Detailed DEG DATE
CITY OF WICHITA		QUANTITIES SHEET OF