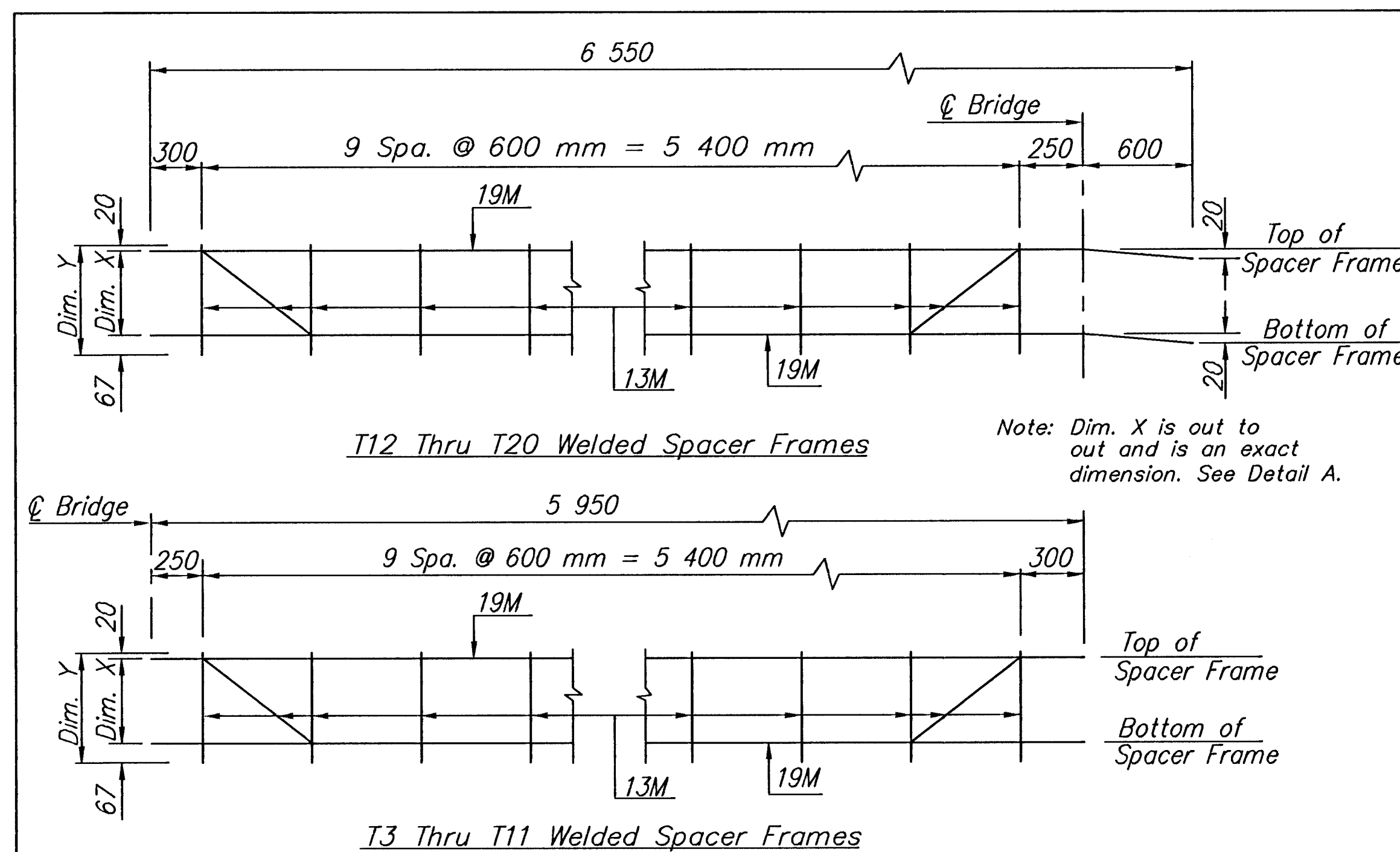
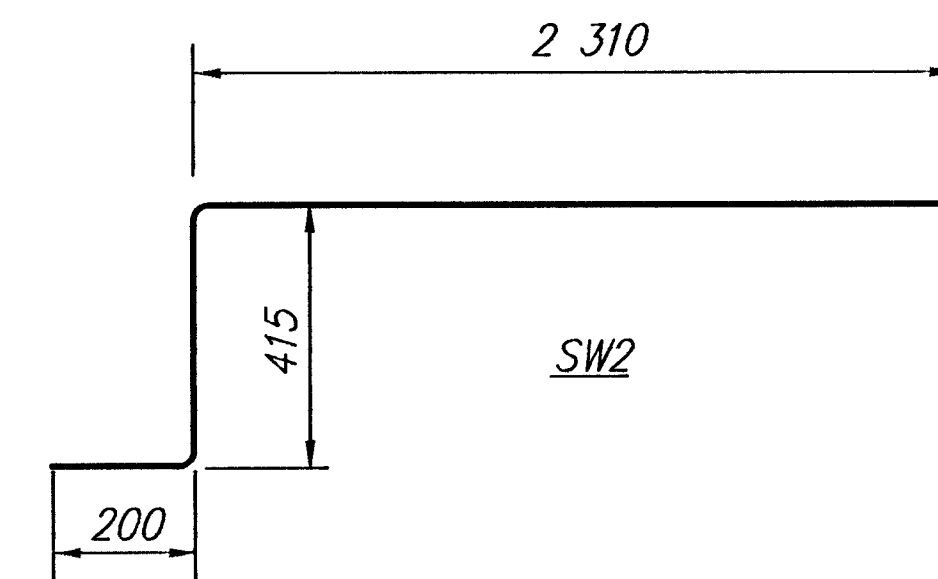
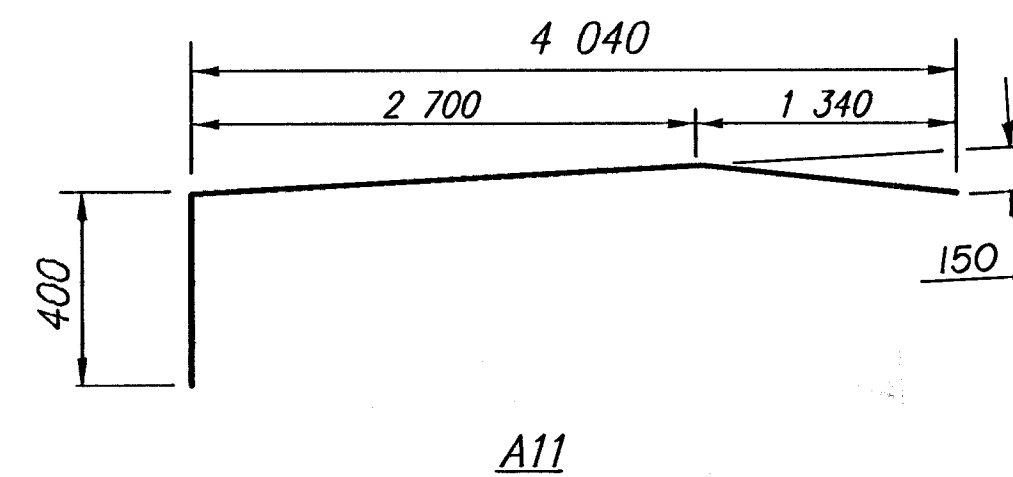
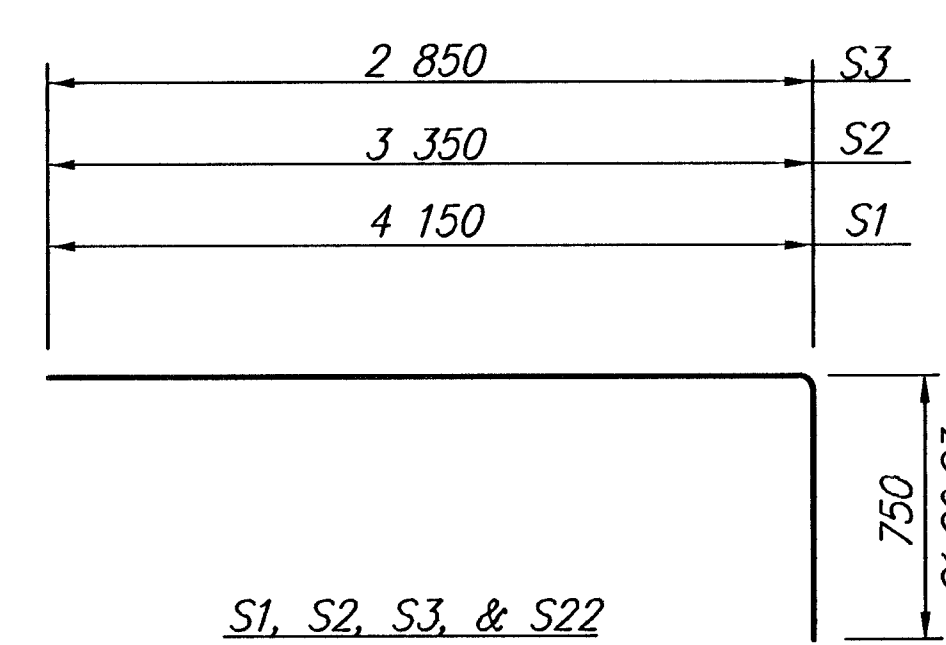
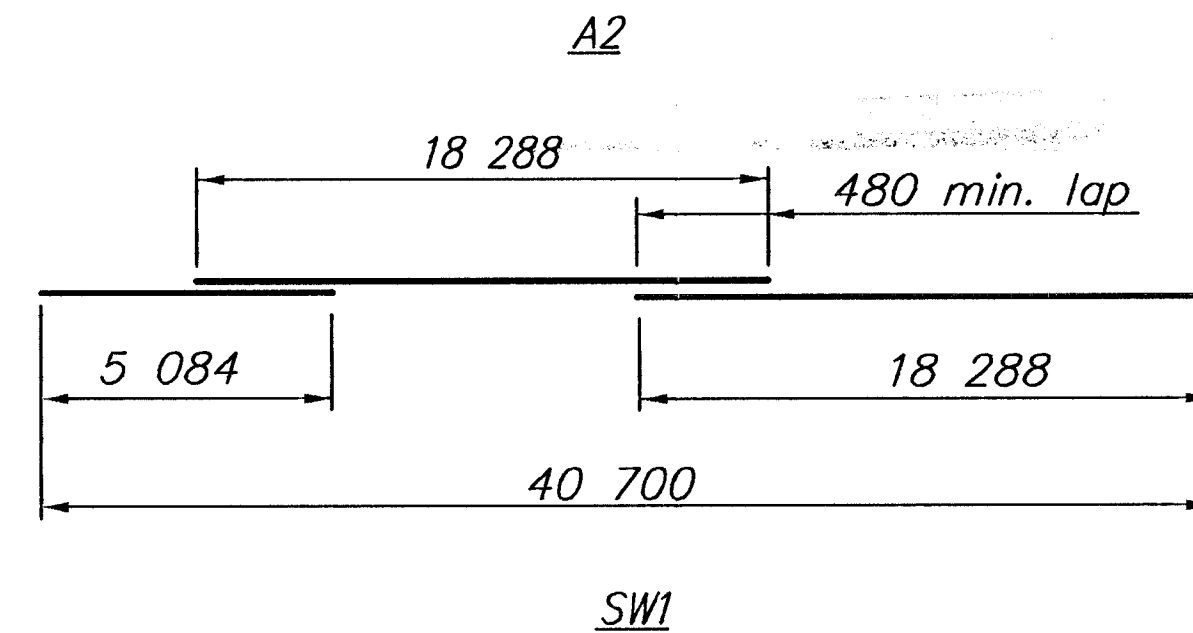
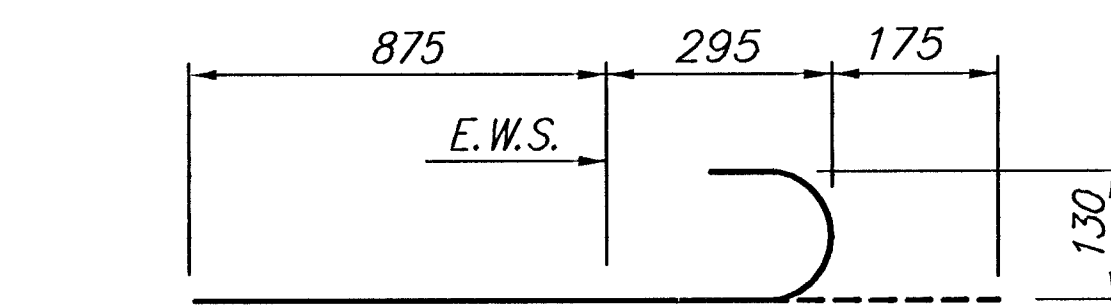
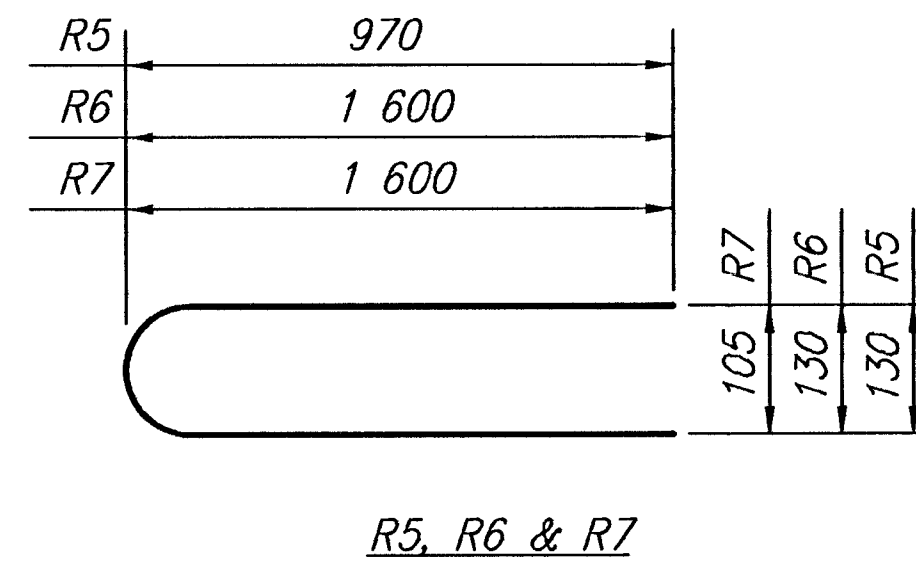
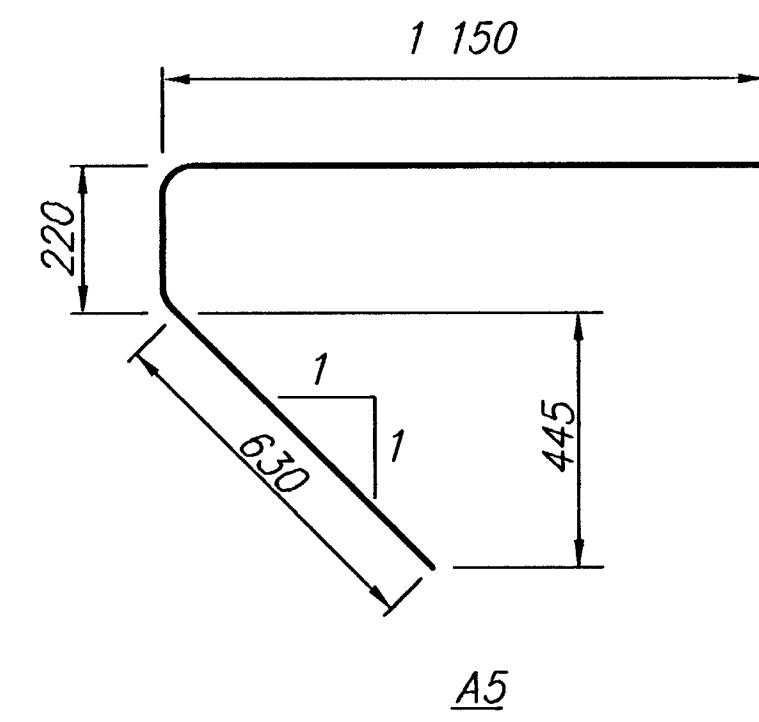
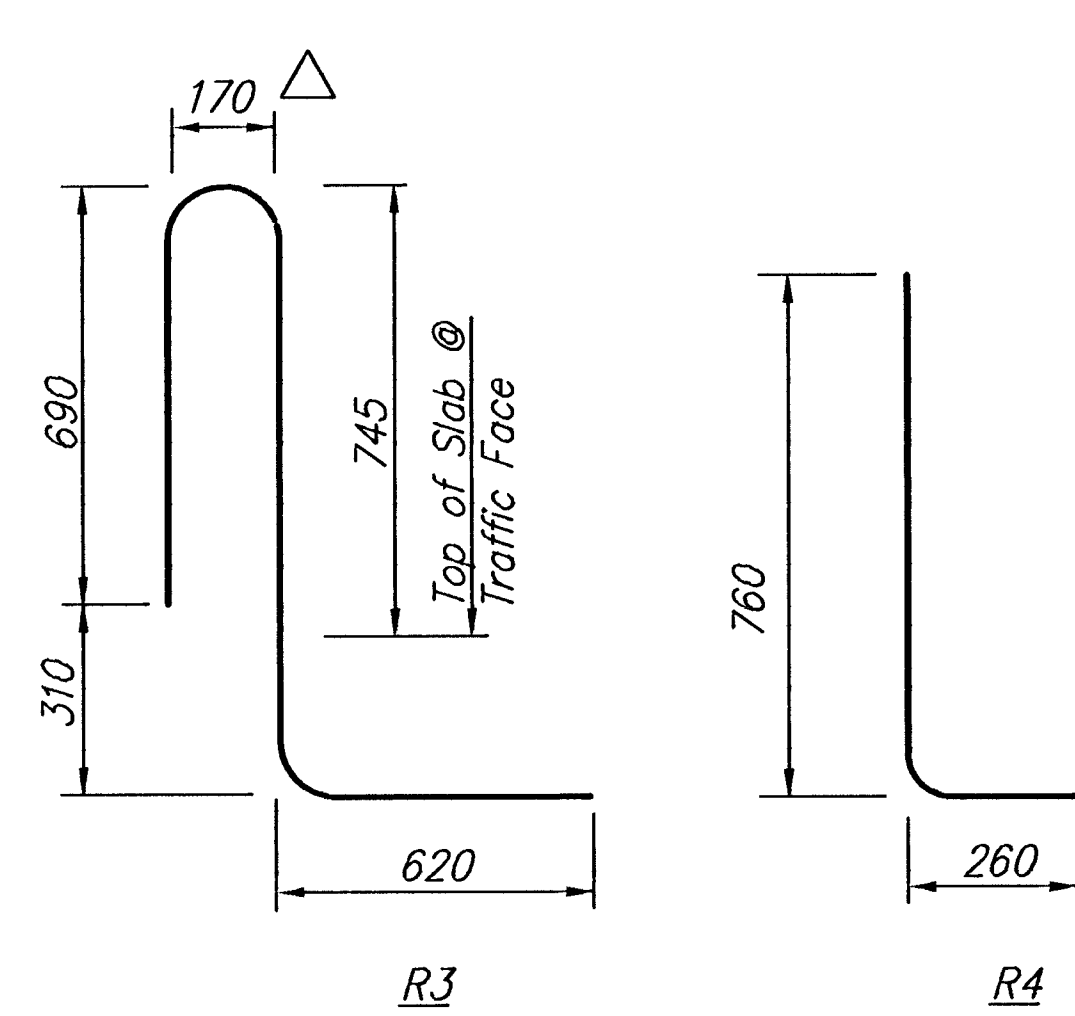
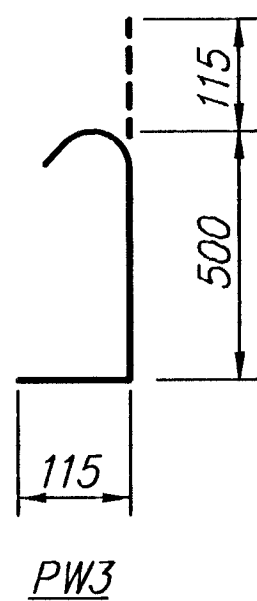
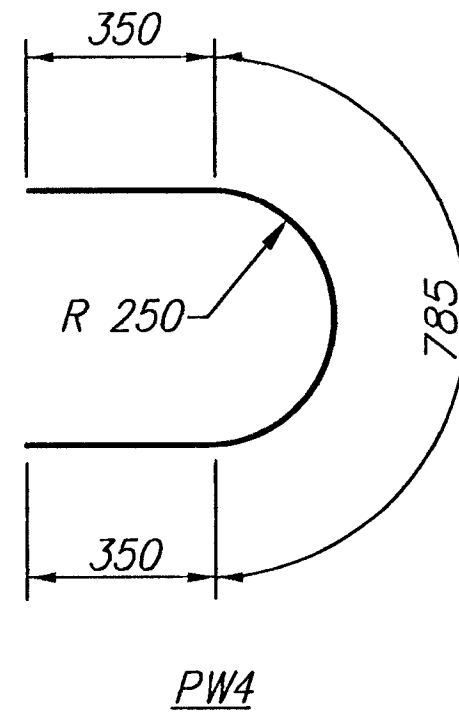
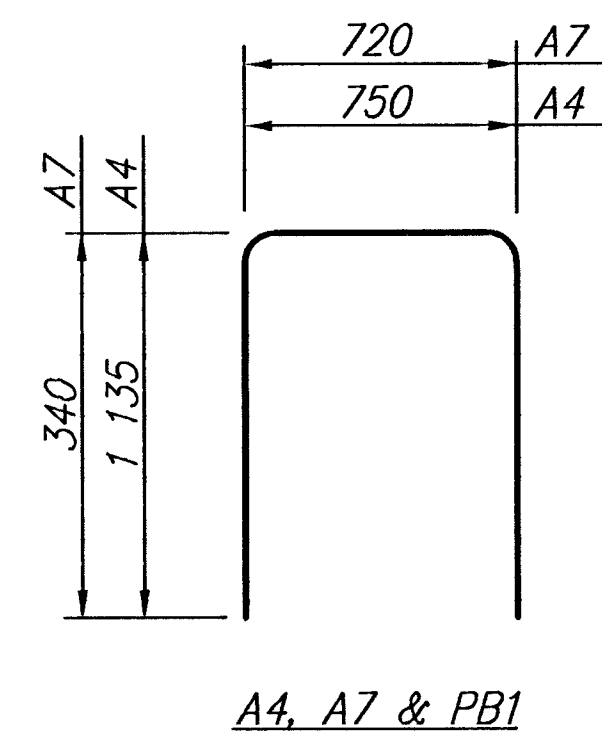
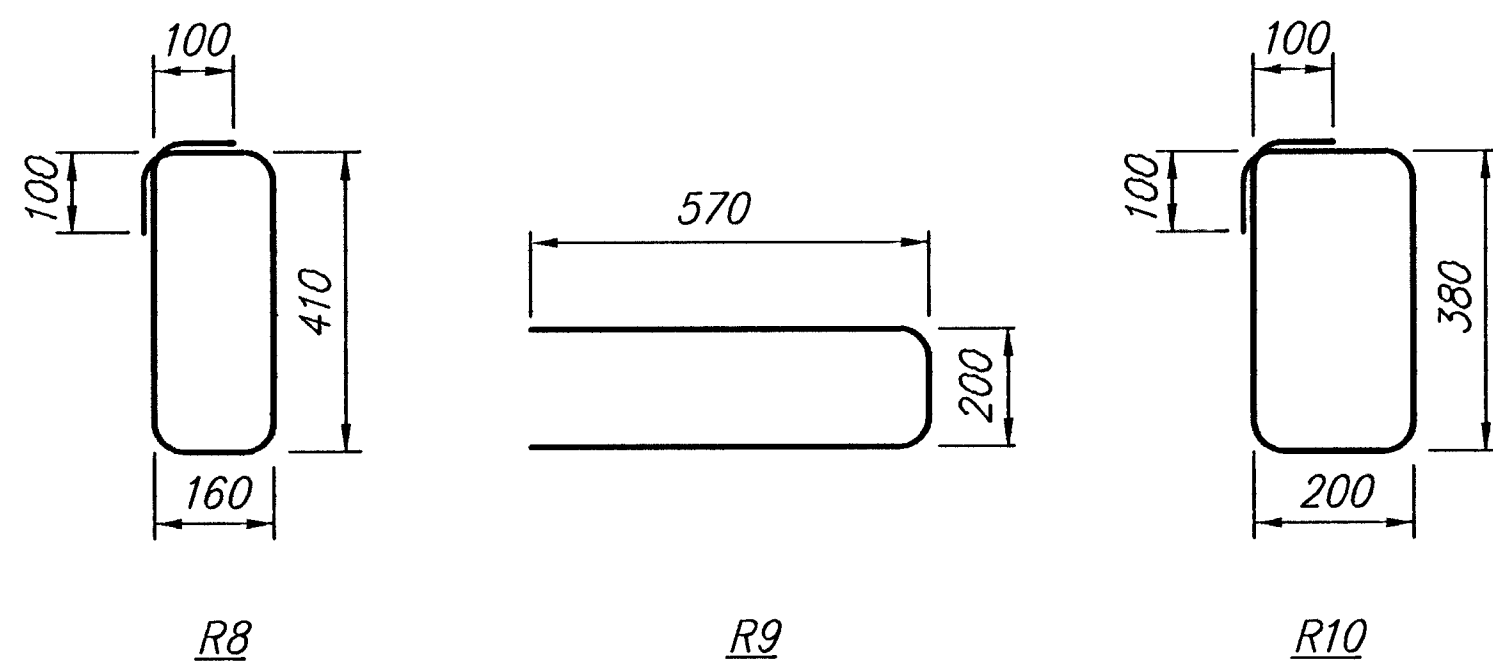
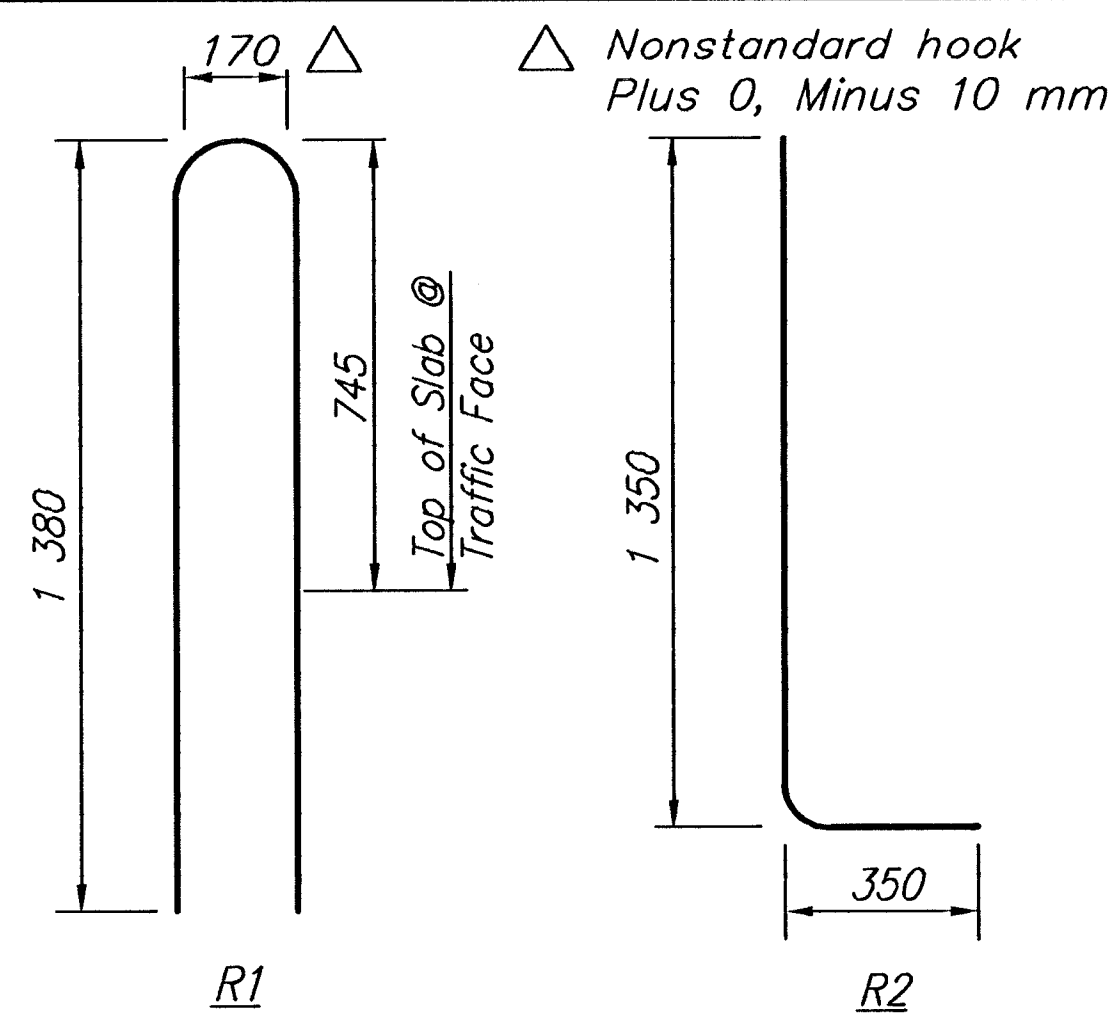
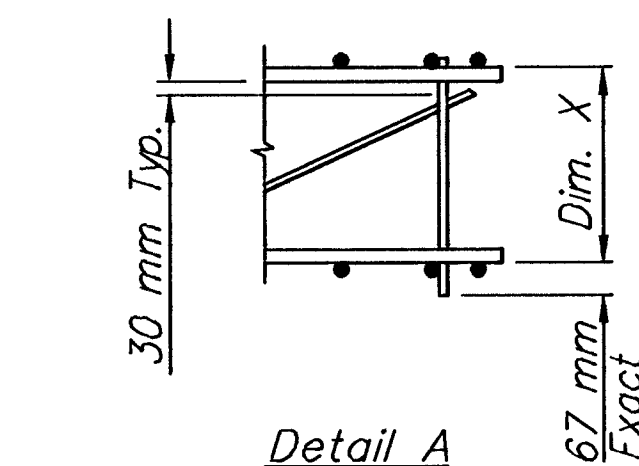


H:\CVI1\55040\DETAILS\55040EIN.DWG Thu Jan 28 12:00:40 1999 Plotted by DPG



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

SPACER FRAMES (Epoxy Coated)						
Mark	No.	Ea.	Dim. X	Dim. Y	Wt. (Each)(kg)	
T3, T12	8		231	318	31.03	33.71
T4, T13	4		232	319	31.04	33.72
T5, T14	4		239	326	31.12	33.80
T6, T15	4		254	341	31.28	33.96
T7, T16	4		277	364	31.53	34.21
T8, T17	4		307	394	31.85	34.53
T9, T18	4		344	431	32.25	34.93
T10, T19	4		389	476	32.75	35.43
T11, T20	4		442	529	33.33	36.01



BENDING DIAGRAMS

(All dimensions are out to out of bars.)

FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0088-01	1999	19	38

BILL OF REINFORCING STEEL

Epoxy Coated - Grade 420

Straight Bars				Bent Bars			
Mark	Size	Number	Length	Mark	Size	Number	Length
S4	32	52	16 900	S1	25	52	4 900
S5	32	44	9 500	S2	25	44	4 100
S6	32	44	4 300	S3	25	44	3 600
S7	32	44	12 650				
S8	32	32	9 550	R1	22	24	2 830
S12	32	22	16 600	R2	22	4	1 700
				R3	22	220	2 380
S9	29	32	7 200				
S10	29	32	5 100	A2	16	106	1 190
S13	29	16	9 600	A11	16	16	4 480
S14	29	16	8 400	R5	16	8	1 990
S15	29	16	6 000	R6	16	8	3 250
				SW2	16	520	2 925
A1	25	16	18 000				
A8	25	8	2 570	A4	13	228	2 890
				A5	13	106	1 850
R11	19	24	1 620	A7	13	28	1 430
R12	19	144	2 900	R4	13	220	1 020
				R7	13	4	3 240
A3	16	20	12 000				
A9	16	20	8 070	R8	10	376	1 340
SW1	16	16	*	R9	10	104	1 340
T1	16	111	11 890	R10	10	52	1 360
S11	13	32	7 000	T3-T20			*
A6	13	2	12 000				
A10	13	2	4 950				
SC1	13	78	2 000				
T2	10	78	11 890				
PB1	16	6	11 890				
PB2	13	4	11 890				

Non-Epoxy

SUBSTRUCTURE	Pier Wall	PW1	13	232	6 400	PW3	13	252	*
		PW2	13	52	10 960	PW4	13	52	1 490

* See Bending Diagrams

NO.	DATE	REVISIONS					BY	APP'D	
KANSAS DEPARTMENT OF TRANSPORTATION									
BR. NO. 530400870GC1020					STA. 1+450.20				
BILL OF REINFORCING STEEL									
& BENDING DIAGRAMS									
(Eastern Street over Gypsum Creek)									
PROJ. NO. 87 N-0088-01					SEDGWICK CO				
FHWA APPROVAL				APP'D					
DESIGNED	PAF	DETAILED	OPG	QUANTITIES	MDK	CADD			
DESIGN CK.	MDK	DETAIL CK.	MDK	QUAN. CK.	SBH	CADD CK.			