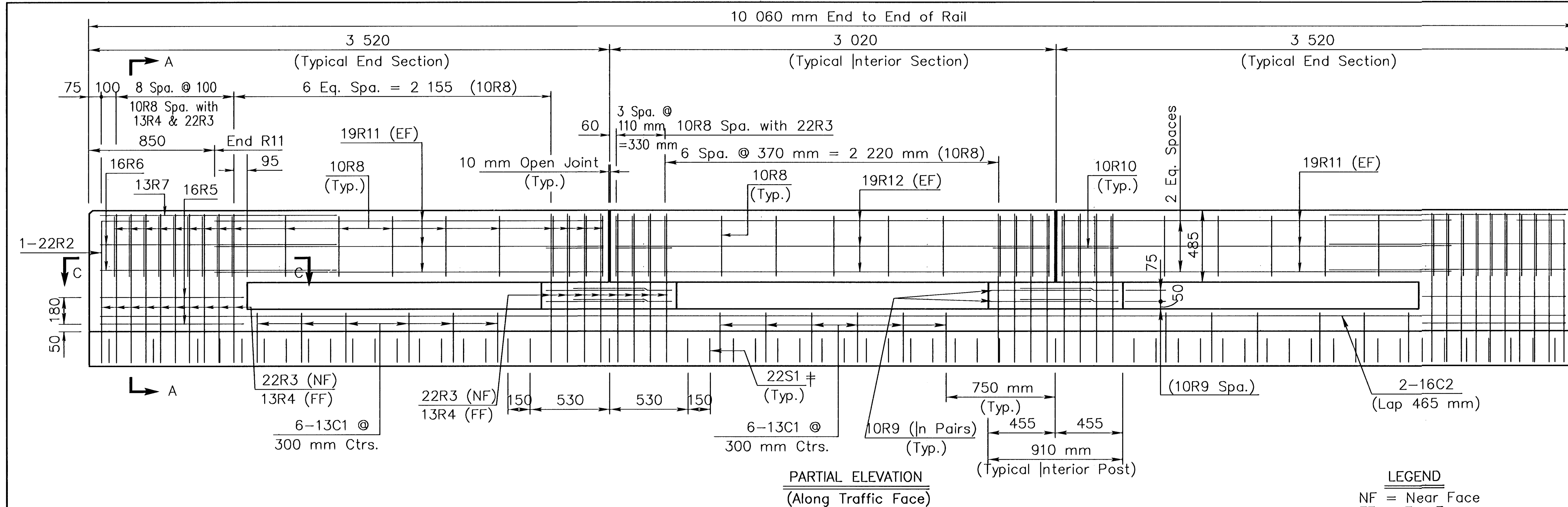


G:\CIVIL\01079\DETAILS\01079RAL.DWG 01/16/2003 03:41:00 PM CST

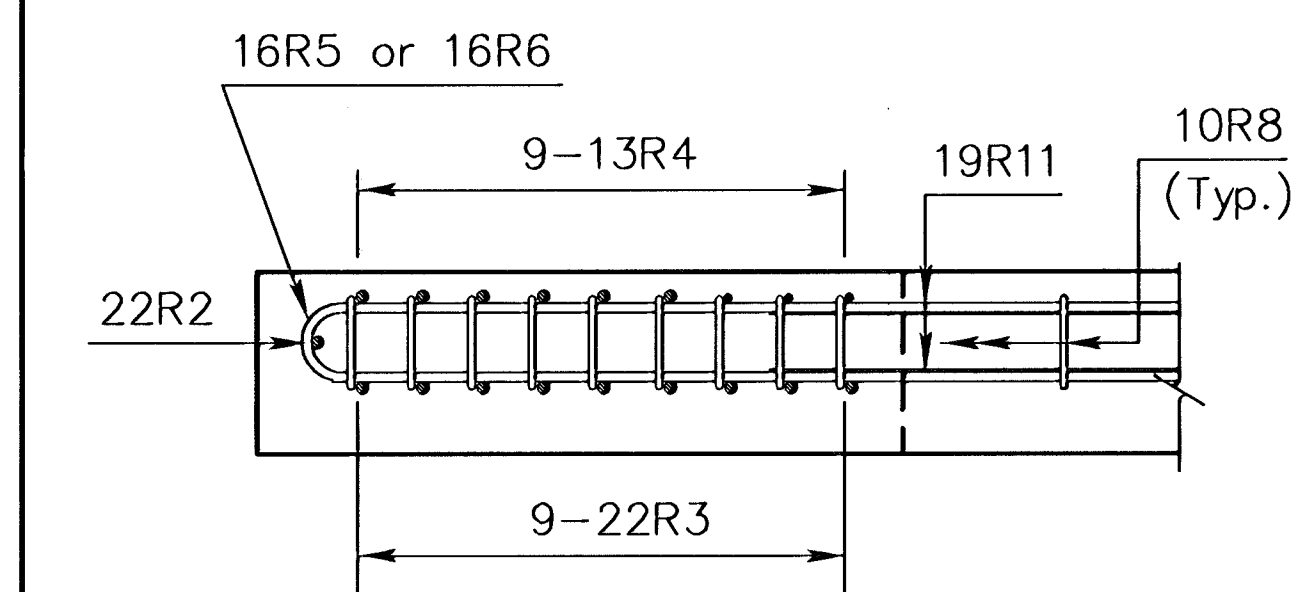


LEGEND
NF = Near Face
FF = Far Face
EF = Each Face

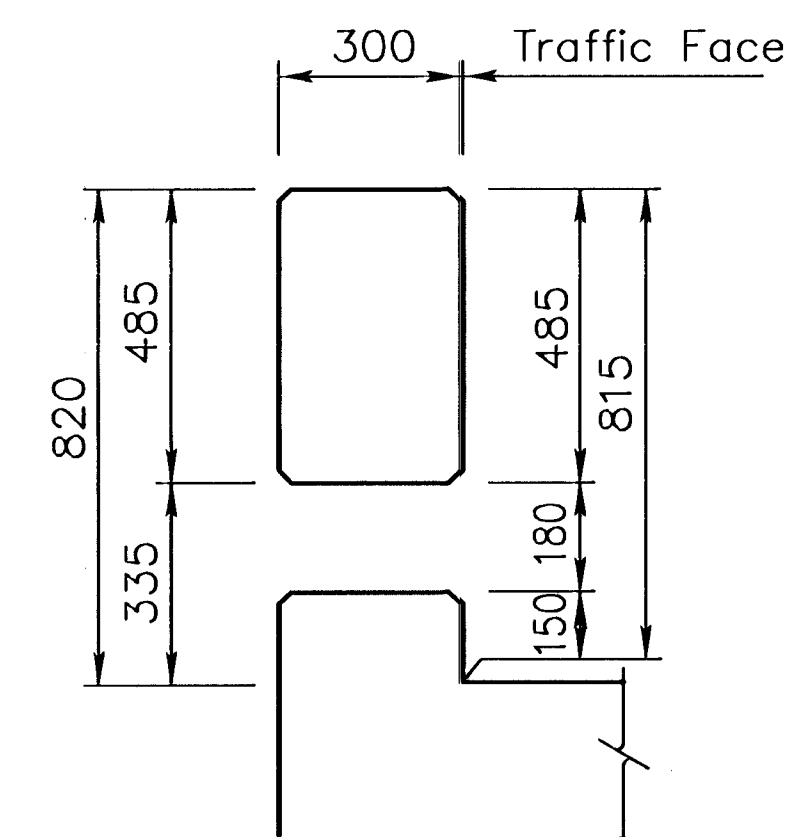
FHWA REG. NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87 N-0203-01	2003	12	48

BILL OF REINFORCING STEEL							
Epoxy Coated - Grade 420 (For Information Only)							
Straight Bars				Bent Bars			
Mark	Size	Number	Length	Mark	Size	Number	Length
R11	19	24	2 610	R2	22	4	1 330
R12	19	12	2 900	R3	22	68	2 530
C2	16	4	9 910	R5	16	8	2 015
				R6	16	8	3 275
				C1	13	36	1 120
				R4	13	68	1 060
				R7	13	4	3 260
				R8	10	98	1 340
				R9	10	16	1 340
				R10	10	8	1 360
SLAB #							
S2	19	44	9960	S1	22	136	6270
S3	22	40	900				
Reinforcing Steel (Gr. 420)(Epoxy Coated) 4784 kg							
Concrete Pavement (260 mm)(Unif)(AE) 63.4 sq. m							

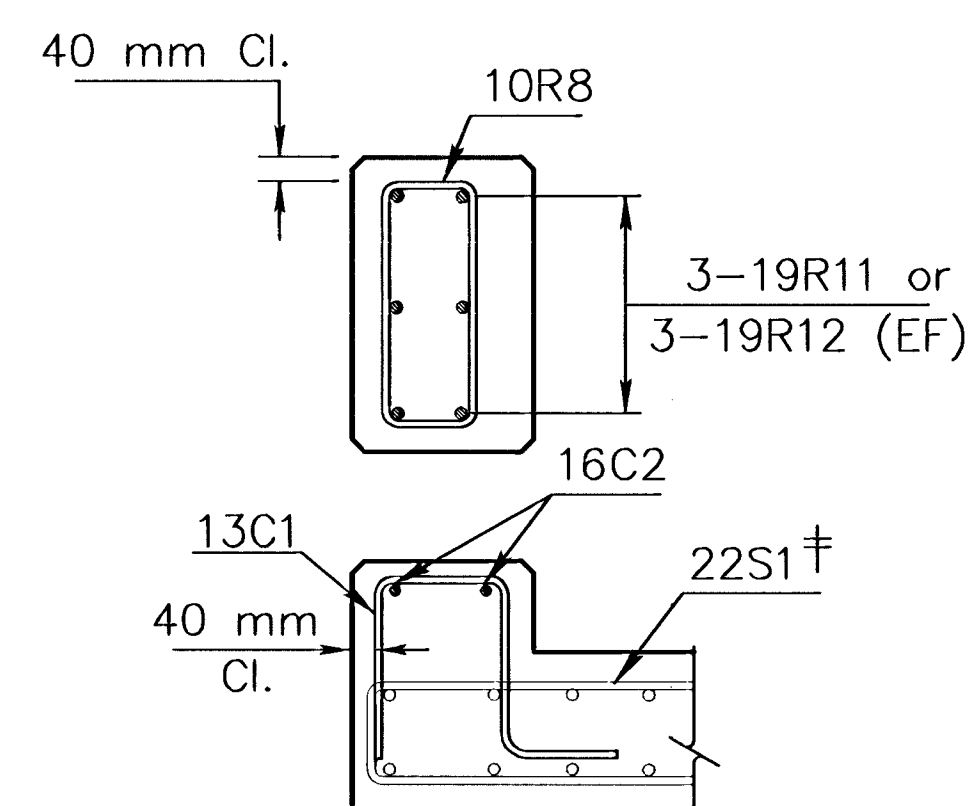
† See Conc. Pavement Sheet for additional reinforcing details



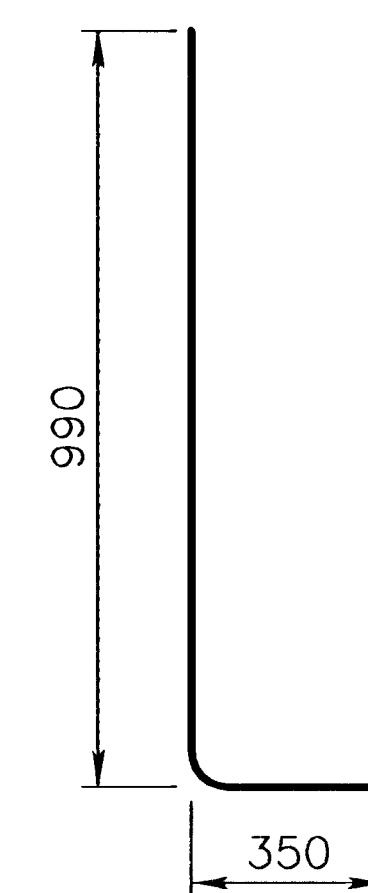
SECTION C-C



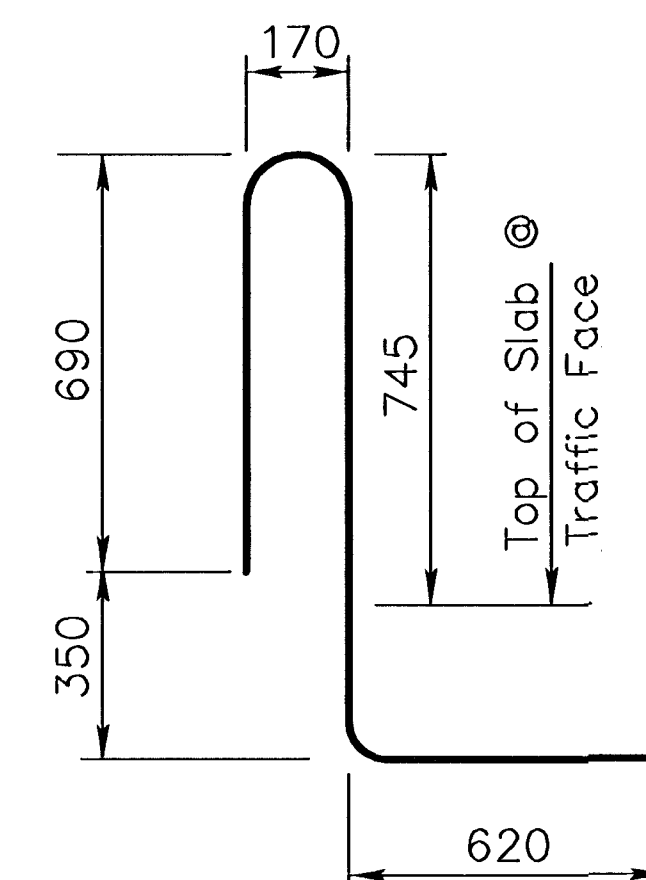
TYPICAL SECTION BETWEEN POST



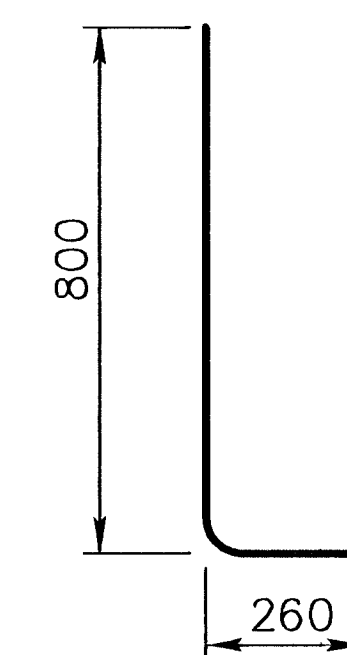
TYPICAL SECTION BETWEEN POST



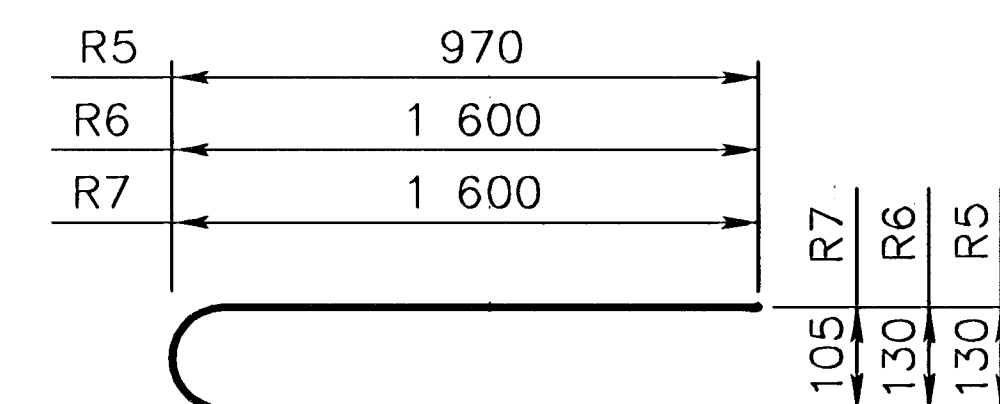
R2



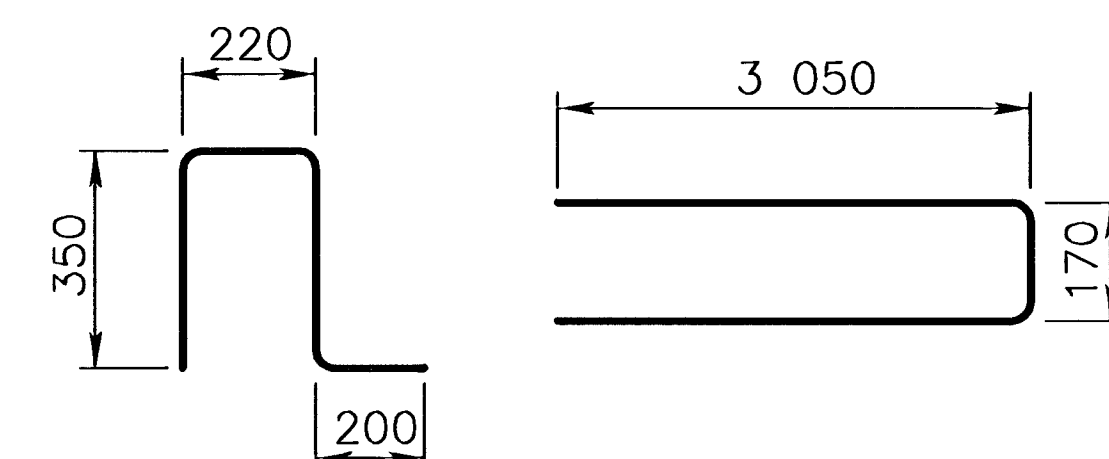
R3



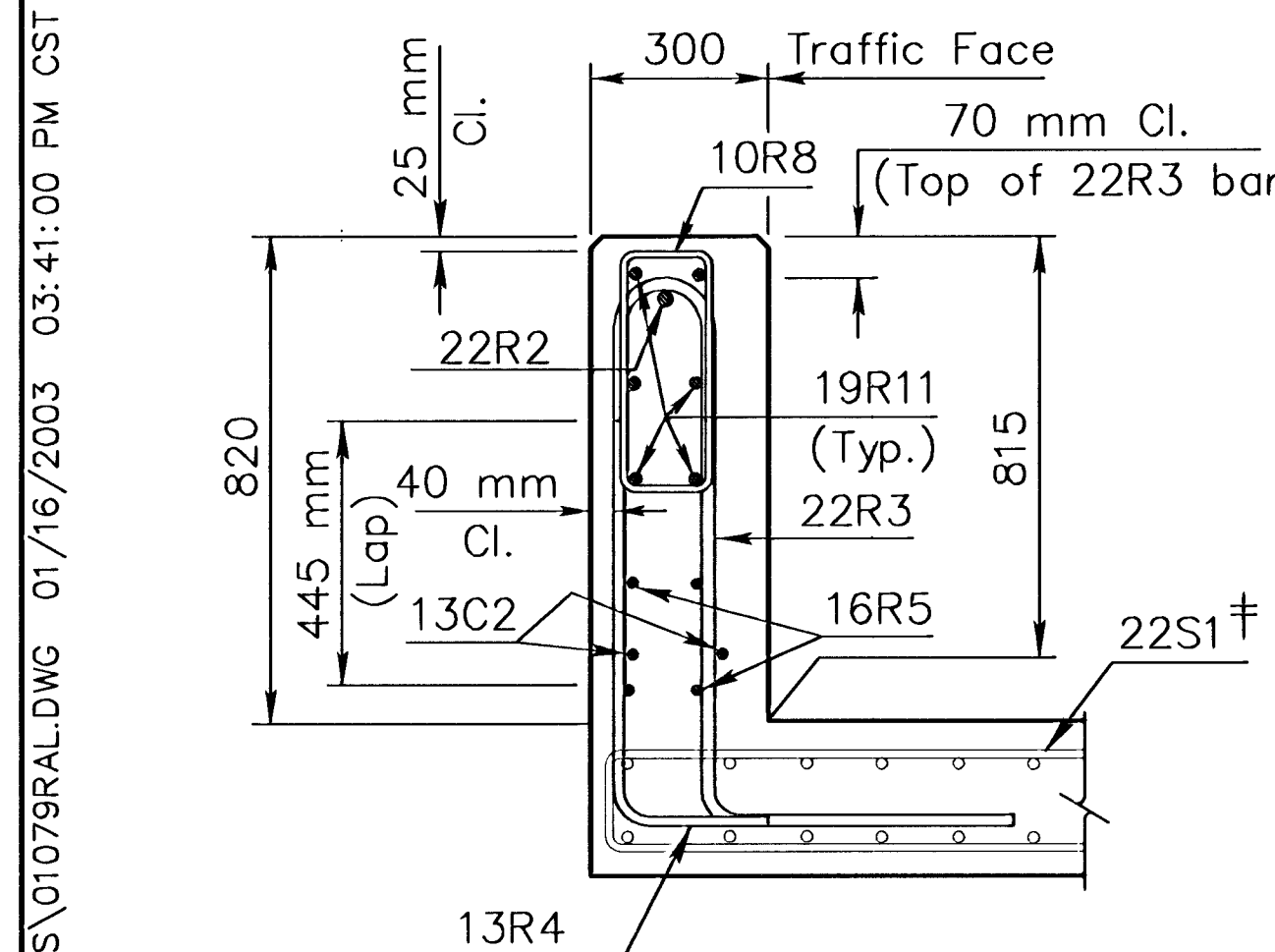
R4 (Lap 445 mm with R3)



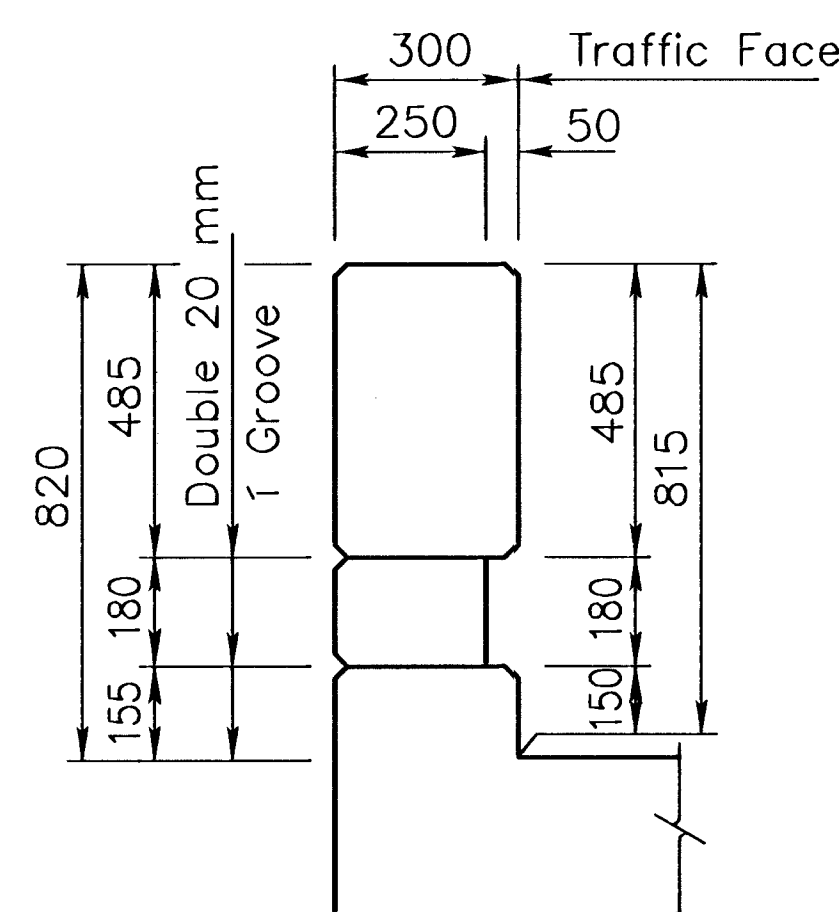
R5, R6, & R7



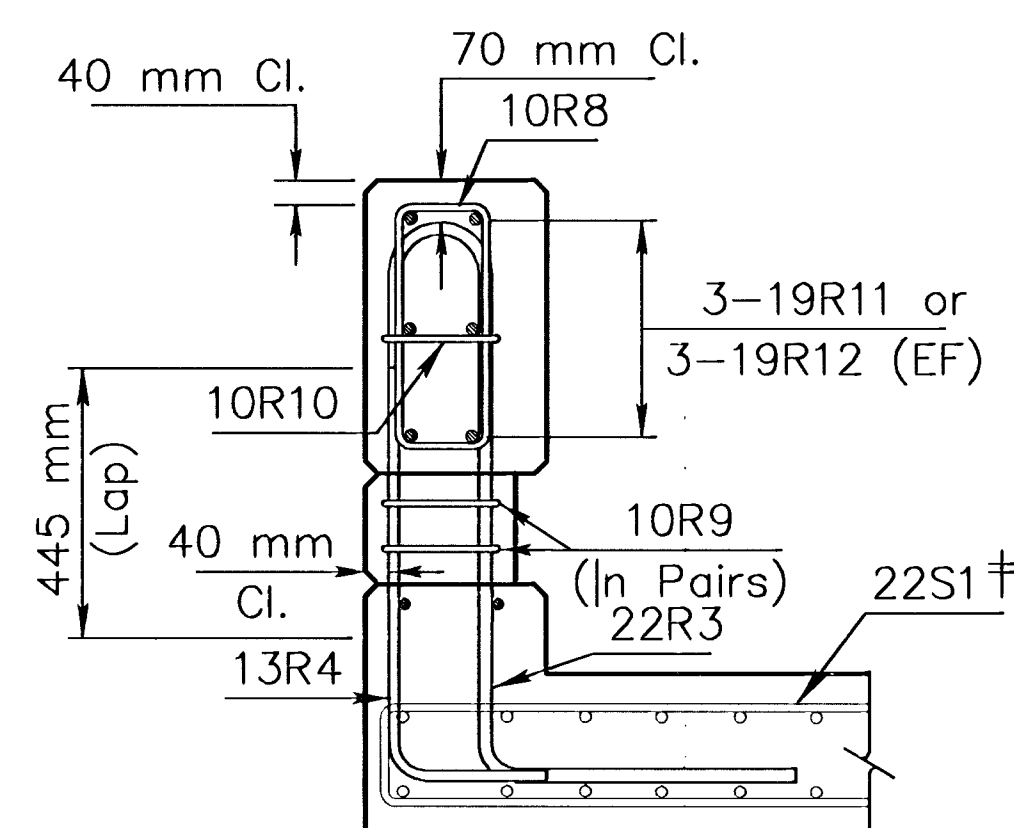
C1



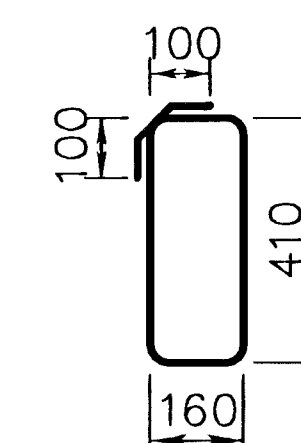
SECTION A-A



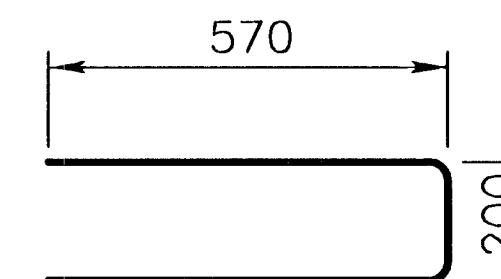
TYPICAL INTERIOR POST



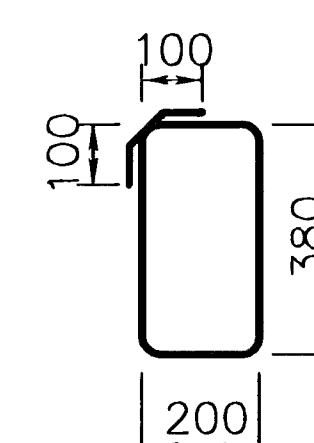
SECTION THRU INTERIOR POST



R8



R9



R10

BENDING DIAGRAMS
(All dimensions are out to out of bars.)

2					
1					
NO.	DATE	REVISIONS		BY	APP'D
KANSAS DEPARTMENT OF TRANSPORTATION					
CORRAL RAIL DETAILS					
BILL OF REINFORCING STEEL					
PROJ. NO. 87 N-0203-01				SEDGWICK CO.	
MKEC ENGINEERING CONSULTANTS, INC.					
WICHITA, KANSAS					
DESIGNED BY:		KJS	CHECKED BY:		KJS
DRAWN BY:		RSB	DATE:		JAN. 2003
				SHEET 12 OF 48	