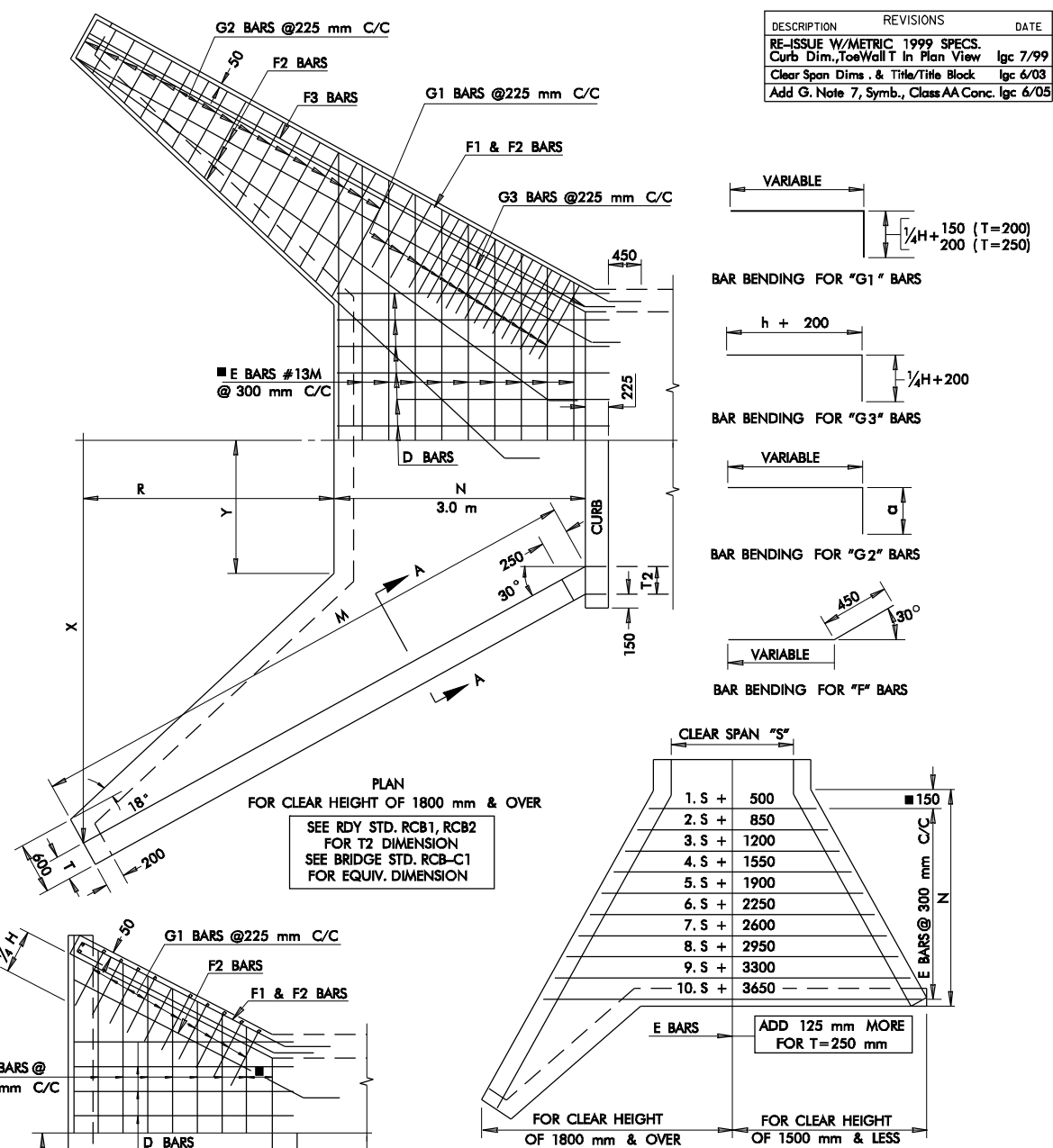
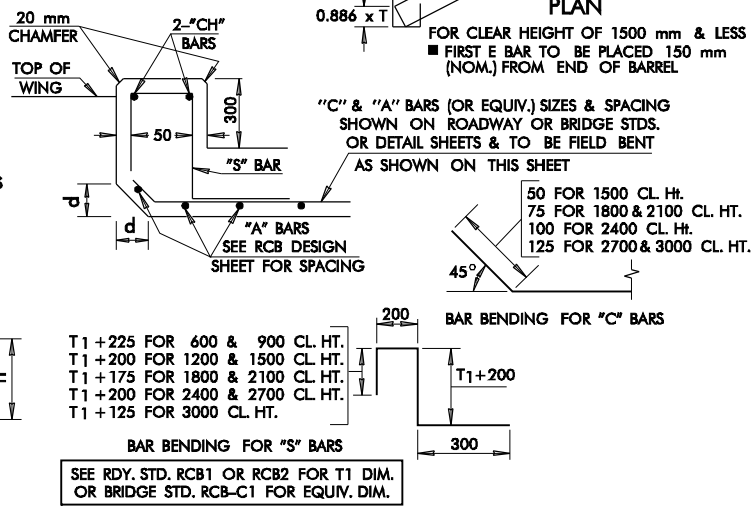
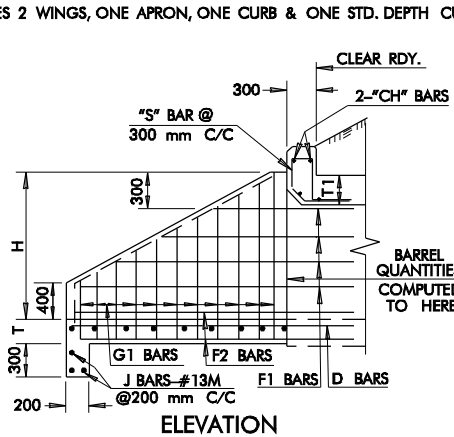
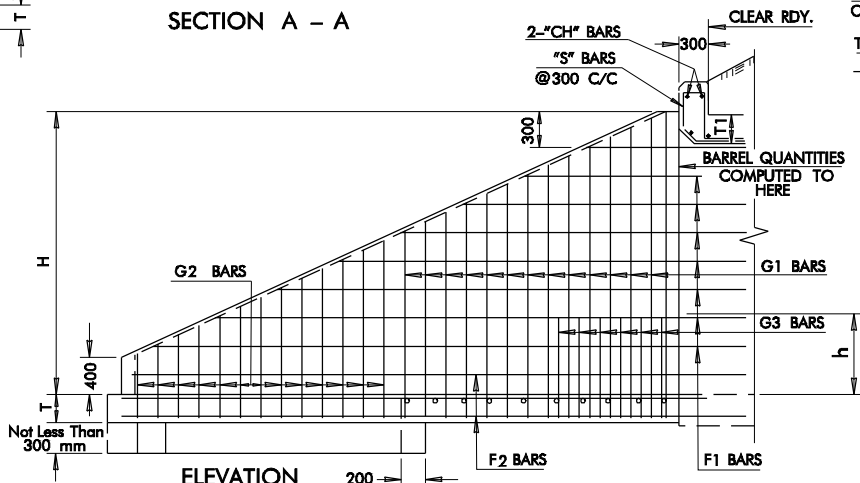
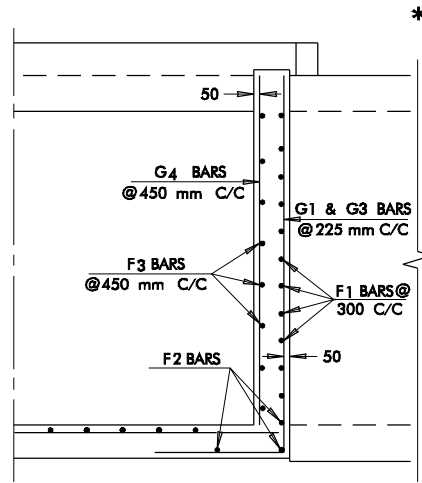
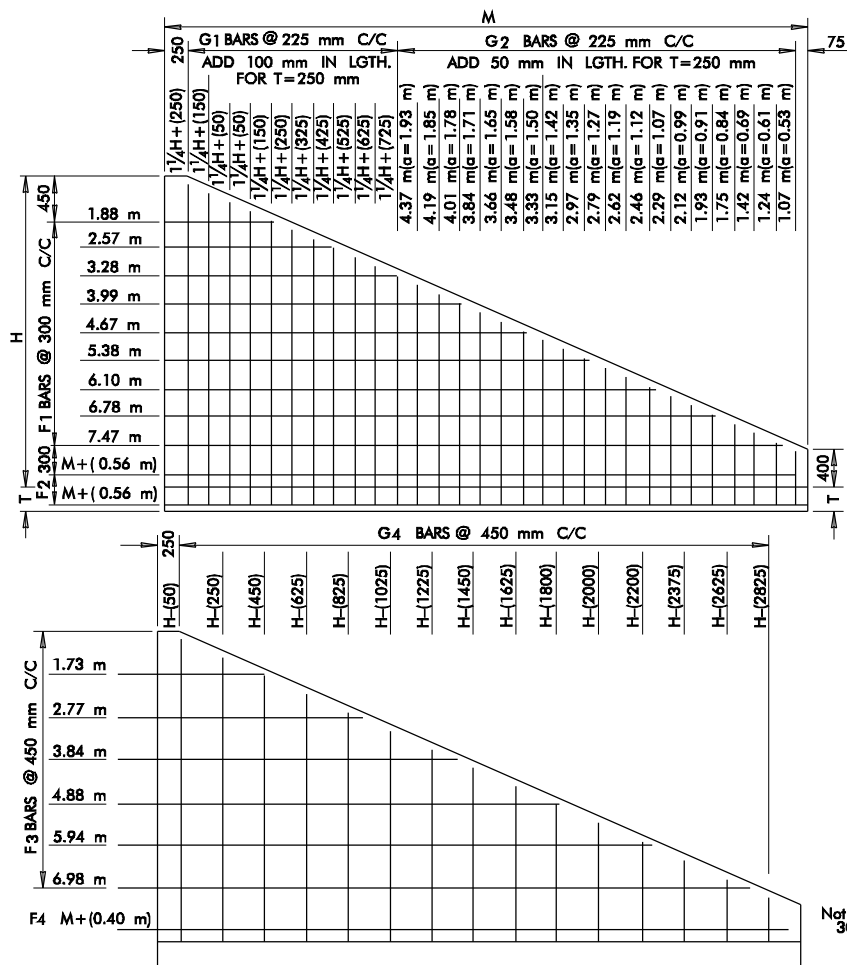


					REINFORCING BARS																																	
CLEAR SPAN (mm)	CLEAR HEIGHT (mm)	X	Y	d	WING DIMENSIONS					APRON				TWO WINGS												ONE CURB				* TOTAL ONE HEADWALL		ADD'L QUANT. CURTAIN WALL						
					T	H	M	N	R	"D" BARS #13M		"E" BARS #13M		"F1" BARS #13M		"F2" BARS #13M		"F3" BARS #13M		"F4" BARS #13M		"G1" BARS #13M		"G2" BARS #13M		"G3" BARS #13M				"G4" BARS #13M			"CH" BARS #13M		"S" BARS #13M			
										NO	LGTH.	NO	AVER. LGTH	NO	AVER. LGTH	NO	LGTH	NO	AVER. LGTH	NO	LGTH	NO	AVER. LGTH	NO	AVER. LGTH	NO	SIZE	h	AVER. LGTH	NO	AVER. LGTH		NO	LGTH	NO	MIN. LGTH	CONC. m ³	STEEL kg
600	600	1015		25	200	915	1420	1220		4	1475	4	1650	2	1880	6	1980	2	1730	2	1830	12	1145					6	660	2	815	5	1245	1.093	60.33	0.72		
900		1165	5							1955			1120																		6	1245	1.216	64.86	0.83			
1200		1320	6							2260			1420																		7	1295	1.338	69.85	0.90			
1500		1475	7							2565			1730																		8	1345	1.460	74.84	1.00			
900	900	1510		38	200	1220	2110	1830		5	2080	6	2310	4	2220	6	2670	2	1730	2	2515	18	1370					10	760	2	1120	6	1245	1.965	98.88	1.03		
1200		1665	6							2615			1420																		7	1295	2.125	105.23	1.13			
1500		1815	7							2920			1730																		8	1345	2.286	111.13	1.21			
1800		1970	8							3225			2030																		9	1395	2.445	117.48	1.30			
2400		2275								10			3835																2640	11	1495	2.768	130.18	1.50				
1200	1200	2020		50	200	1525	2820	2440		6	2690	8	2970	6	2565	6	3380	4	2250	2	3225	24	1615					12	980	2	1420	7	1270	3.104	152.41	1.33		
1500		2175	7							3275			1730																		8	1320	3.303	159.67	1.43			
1800		2325	8							3580			2030																		9	1370	3.502	166.92	1.53			
2400		2630	10							4190			2640																		11	1475	3.907	182.35	1.71			
3000		2935								12			4800																3355	13	1525	4.304	197.32	1.91				
1500	1500	2515		63	200	1830	3505	3050		7	3300	10	3630	8	2920	6	4065	6	2770	2	3910	30	1855					16	1095	2	1780	8	1320	4.480	217.73	1.63		
1800		2665	8							3940			2080																		9	1370	4.709	225.89	1.73			
2400		2970	10							4545			2690																		11	1475	5.191	243.58	1.91			
3000		3275	12							5155			3355																		13	1525	5.665	260.82	2.11			
1500	1800	2870	1620	75	200	2135	4215	3050	610	7	3300	10	3630	10	3275	8	4775	6	2770	2	4625	28	2285	8	1335				18	1295	2	1830	8	1295	5.359	266.72	1.86	
1800		3025	1775							8			3940																			2135	9	1345	5.596	275.34	1.96	
2400		3330	2080							10			4545																			2745	11	1450	6.078	292.57	2.13	
3000		3635	2385							12			5155																			3355	13	1500	6.544	309.36	2.33	
1500	2100	3225	1365	88	250	2440	4925	3050	1220	7	3300	10	3630	12	3630	8	5485	8	3300	2	5335	26	2820	16	1665				22	1400	2	1880	8	1295	7.936	327.50	2.08	
1800		3375	1520							8			3940																			2185	9	1345	8.226	336.12	2.16	
2400		3680	1825							10			4545																			2795	11	1450	8.792	353.35	2.36	
3000		3985	2130							12			5155																			3405	13	1500	9.358	371.04	2.53	
1800		3735	1190							8			3940																2235	9	1320	9.748	433.19	2.38				
2400	2400	4040	1495	100	250	2745	5640	3050	1830	10	3300	10	4545	14	3990	10	6200	10	3835	2	6045	24	3240	24	2020	12	#13M	610	1700	24	1600	2	2845	11	1420	10.313	450.42	2.56
3000		4345	1800							12			5155																3455	13	1475	10.887	468.11	2.76				
3000	2700	4680	1485	113	250	3050	6325	3050	2440	12	3300	10	5155	16	4330	10	6885	10	3835	2	6730	22	3660	32	2375	18	#13M	915	2085	28	1700	2	3505	14	1475	12.584	547.95	2.96
3000	3000	5040	1155	125	250	3350	7035	3050	3050	12	3300	10	5155	18	4675	12	7595	12	4355	2	7440	20	4090	40	2705	24	#16M	1295	2540	30	1905	2	3555	14	1450	14.526	700.81	3.19

* INCLUDES 2 WINGS, ONE APRON, ONE CURB & ONE STD. DEPTH CURTAIN WALL



BASIS OF PAYMENT		
ITEM NO.	ITEM	UNIT
509.06(A)	CLASS AA CONCRETE	CUBIC METER
509.06(B)	CLASS A CONCRETE	CUBIC METER
511.06(A)	REINFORCING STEEL	KILOGRAM

- GENERAL NOTES
- ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE 1999 METRIC STANDARD SPECIFICATIONS.
 - REINFORCING STEEL IN APRON SHALL BE SUPPORTED ON BAR CHAIRS.
 - CHAIRS SHALL BE SUPPORTED ON CLASS C CONCRETE STRIPS SPACED AT 100 mm CENTERS.
 - THE TOP OF CHAIR SUPPORTS, SHALL BE AT THE ELEVATION OF THE BOTTOM OF FOOTING. REINFORCING STEEL IN THE WINGS SHALL BE HELD IN PLACE BY METAL CHAIRS. MAXIMUM SPACING OF CHAIRS SHALL BE 150 mm CENTERS.
 - COST OF METAL CHAIRS OR CONCRETE STRIPS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.
 - FOR DETAILS OF ONE CELL BARRELS TO CORRESPOND TO THE HEADWALLS SHOWN ON THIS STD., SEE RCB STD. SHEET(S) IN PROJECT PLAN SET.
 - WING WALL, CURB AND APRON CONSTRUCTION SHALL CONSIST OF THE SAME CLASS OF CONCRETE USED FOR THE REINFORCED CONCRETE BOX.

APPROVED BY ROADWAY ENGINEER		DATE	
OKLAHOMA DEPT. OF TRANSPORTATION ROADWAY STANDARD (METRIC) HEADWALL ONE CELL REINFORCED CONCRETE BOX			
1999 SPECIFICATIONS	(300 mm HIGH CURB)	RCB1H-1	02M
ALL DIMENSIONS ON THIS SHEET IN MILLIMETERS UNLESS OTHERWISE NOTED.			R-55M