

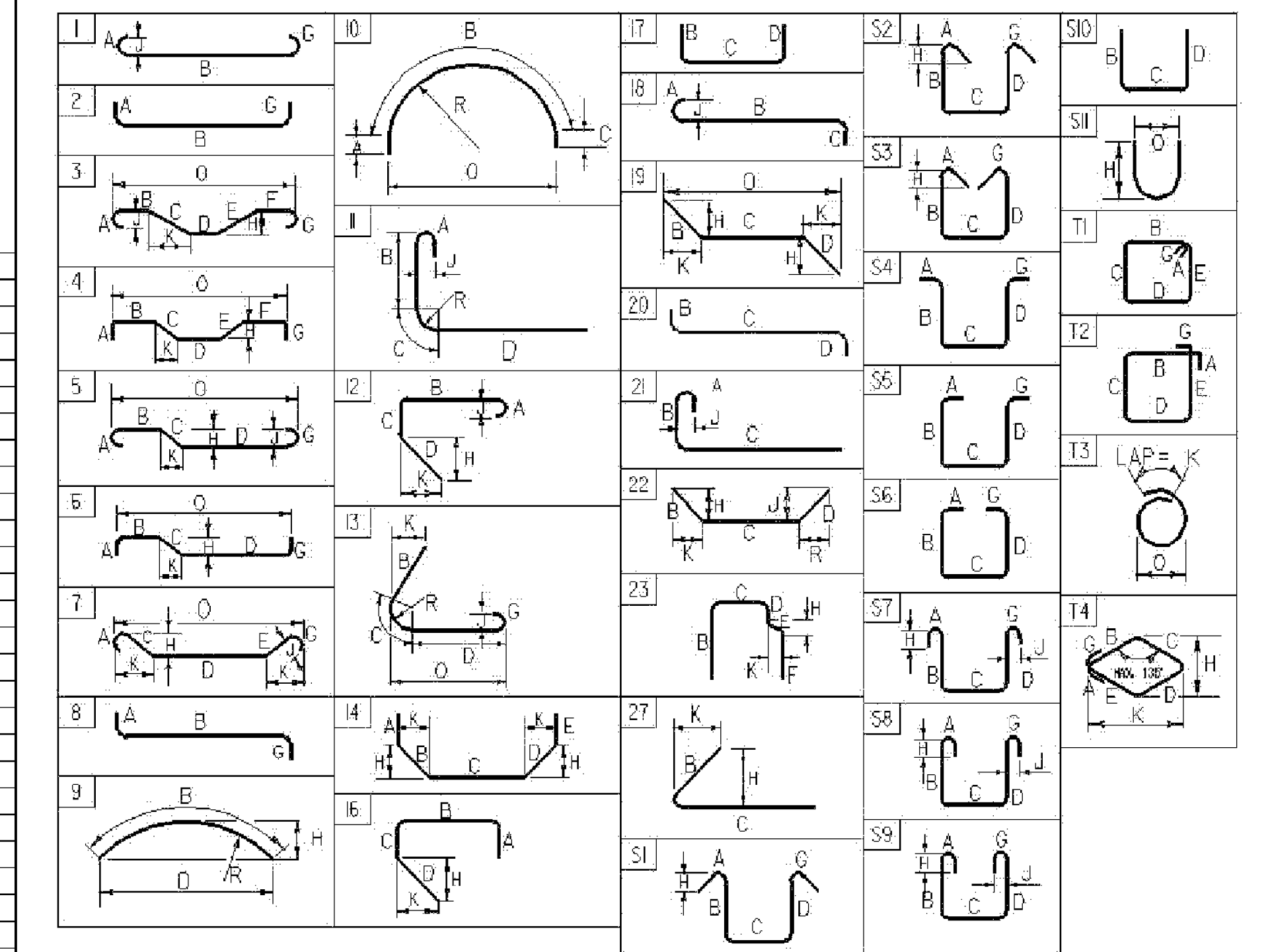
# REINFORCING STEEL SCHEDULE



ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
<b>BRIDGE #71</b>																		<b>ABUTMENT # 2</b>																	
24	16	6920	ES1601	STR														18	16	7210	2A1601	STR													
▲	26	16	10540	ES1602	STR													49	16	1420	2A1602	STR													
48	16	1600	ES1603	S10			790	140	670									▲	23	16	5130	2A1603	STR												
74	16	1790	ES1604	T1	595	470	190	535					375		375			▲	36	16	7470	2A1604	STR												
* 75	16	1650	ES1605	S10		840	170	840										21	16	2750	2A1605	STR													
* 39	25	900	ES2501	19		300	600						150		150			▲	3	16	6210	2A1606	STR												
<b>APPROACH SLAB #1</b>																		<b>WINGWALL #4</b>																	
* 22	16	9440	1EAS1601	STR														16	16	8770	4W1601	STR													
* 40	29	6220	1EAS2901	1	380	5840												30	16	1420	4W1602	STR													
<b>APPROACH SLAB #2</b>																		<b>SEE REVISED SHEET 39A</b>																	
21	16	9440	2EAS1601	STR														▲	30	16	6210	4W1603	STR												
39	29	6220	2EAS2901	1	380	5840												▲	42	16	2370	4W1604	STR												
<b>ABUTMENT #1</b>																																			
30	16	7250	1A1601	STR														▲	30	16	4320	4W1606	STR												
49	16	1180	1A1602	STR														30	16	1790	4W1607	17		660	470	660									
▲	41	16	3940	1A1603	STR													2	16	9360	4W1608	19		890	8470	---			362		813				
8	16	5030	1A1604	STR														32	22	2280	4W2201	STR													
28	16	9000	1A1605	STR														7	25	1050	4W2501	STR													
* 57	16	2480	1A1606	STR														* 32	29	2700	4W2901	STR													
37	16	2750	1A1607	STR														30	29	3310	4W2902	17		2080	1230	---									
8	16	3840	1A1608	STR																															
45	16	1790	1A1609	17		660	470	660																											
▲	48	16	1740	1A1610	17		870	870	---																										
28	16	3460	1A1611	22		660	2140	660																											
* 79	19	2440	1A1901	STR																															
10	25	1050	1A2501	STR																															
46	25	3440	1A2502	17		2370	1070	---																											
<b>WINGWALL #1</b>																																			
▲	15	16	6840	1W1601	STR																														
46	16	1180	1W1602	STR																															
▲	22	16	5030	1W1603	STR																														
* 25	16	1930	1W1604	STR																															
▲	36	16	6880	1W1605	STR																														
16	16	6920	1W1606	STR																															
10	16	1320	1W1607	STR																															
46	16	1790	1W1608	17		660	470	660																											
10	16	2640	1W1609	20		820	1160	660																											
5	16	3200	1W1610	19		990	1550	660																											
* 21	19	3900	1W1901	STR																															
88	19	3520	1W1902	17		2450	1070	---																											
* 87	22	2590	1W2201	STR																															
* 21	25	1050	1W2501	STR																															
<b>WINGWALL #2</b>																																			
15	16	2640	2W1601	STR																															
20	16	1180	2W1602	STR																															
▲	20	16	5030	2W1603	STR																														
28	16	5440	2W1604	STR																															
8	16	2640	2W1605	STR																															
20	16	1790	2W1606	17		660	470	660																											
10	16	2580	2W1607	20		820	1100	660																											
5	16	3200	2W1608	19		990	1550	660																											
* 19	19	3900	2W1901	STR																															
34	19	3520	2W1902	17		2450	1070	---																											
* 38	22	2590	2W2201	STR																															
* 5	25	1050	2W2501	STR																															

~ NOTES ~

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M31M (ASTM A 615M-S). ALL BARS SHALL BE GRADE 420, UNLESS OTHERWISE DESIGNATED.
- FOR TYPICAL BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS AND HOOKS, AND OTHER STANDARD PRACTICE, SEE CURRENT CONCRETE REINFORCING STEEL INSTITUTE "MANUAL OF STANDARD PRACTICE".
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
- "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
- "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
- WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
- ▲ DENOTES BARS TO BE CUT IN FIELD.
- \* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
- △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
- E DENOTES EPOXY COATED REINFORCING STEEL.



BAR SIZE	NOMINAL MASS (Kg/m)	NOMINAL DIMENSIONS ROUND SECTION "GROSS"		
		DIAMETER (mm)	SECTIONAL AREA (mm²)	PERIMETER (mm)
#10	0.560	9.5	71	29.84
#13	0.994	12.7	129	39.90
#16	1.552	15.9	199	49.95
#19	2.235	19.1	284	60.00
#22	3.042	22.2	387	69.74
#25	3.973	25.4	510	79.80
#29	5.060	28.7	645	90.16
#32	6.404	32.3	819	101.47
#36	7.907	35.8	1006	112.47
#43	11.380	43.0	1452	135.09
#57	20.240	57.3	2581	180.01

PROJECT NAME: **East Montpelier**  
 PROJECT NUMBER: **BRF 037-2(8)**  
 FILE NAME: **86e054rss.xls** PLOT DATE: **5/13/2010**  
 PROJECT MANAGER: **C.WILLIAMS** DRAWN BY: **D.D.BEARD**  
 DESIGNED BY: **L.J.STONE** CHECKED BY: **H.I.SALLS**  
 REINFORCING STEEL SCHEDULE SHEET **39** OF **63**