

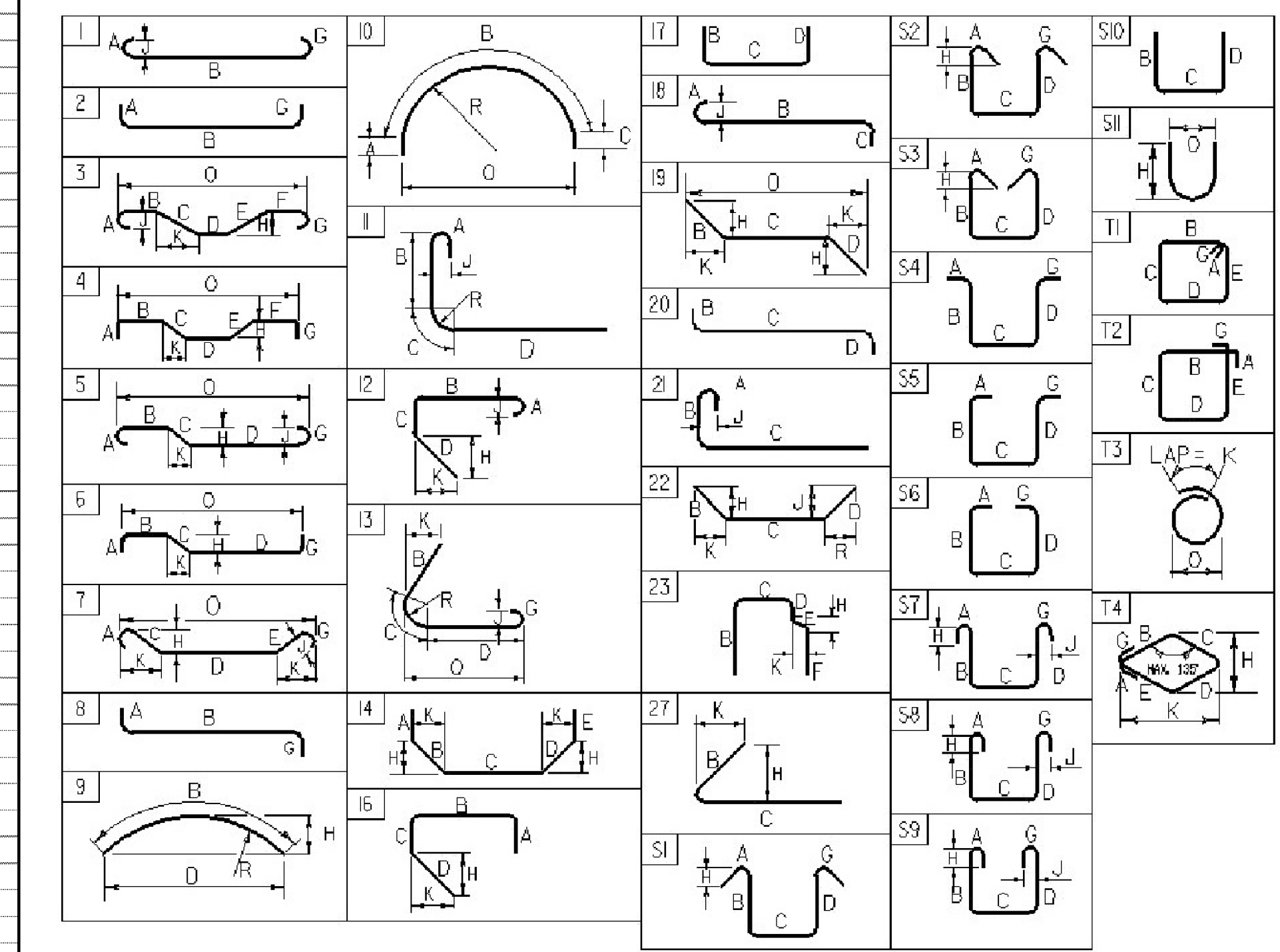
REINFORCING STEEL SCHEDULE



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
DECK																		WINGWALL #1																	
448	13	9800		SS1301	STR	9800												▲	16	16	2690	1W1601	STR	2690											
△	360	13	1830	SS1302	STR	1830												▲	6	22	3105	1W2204	STR	3105											
	312	13	12190	SS1303	STR	12190												▲	12	22	2135	1W2205	STR	2135											
	16	13	3120	SS1304	STR	3120													2	22	3885	1W2206	16	---	---	1050	2835		1952	1920					
△	240	16	1830	SS1601	STR	1830													18	22	1710	1W2203	27			1050	660		1014	272					
△	240	19	1830	SS1901	STR	1830													16	16	1740	1SSW1601	STR	1740											
	40	19	9800	SS1902	STR	9800													7	22	3105	1SSW2204	STR	3105											
	12	19	3120	SS1903	STR	3120													13	22	2135	1SSW2205	STR	2135											
APPROACH SLAB #1																		WINGWALL #2																	
	21	16	13510	1AS1601	STR	13510												▲	16	16	2735	2W1601	STR	2735											
	55	29	6220	1AS2901	1	380	5840						---		300			▲	6	22	3105	2W2204	STR	3105											
APPROACH SLAB #2																		WINGWALL #3																	
	21	16	13510	2AS1601	STR	13510												▲	12	22	2375	2W2205	STR	2375											
	55	29	6220	2AS2901	1	380	5840						---		300				17	22	1710	2W2203	16	---	---	660	1050		1014	272					
ABUTMENT #1																		WINGWALL #4																	
*	29	16	8700	1A1601	STR	8700												▲	2	22	3885	3W2206	16	---	---	1050	2835		1952	1920					
△	116	19	3060	1A1901	STR	3060												▲	17	22	1710	3W2203	16	---	---	660	1050		1014	272					
△	116	25	3150	1A2501	STR	3150													16	16	1640	3SSW1601	STR	1640											
	6	25	3570	1A2503	16			3120	450							116	435		7	22	3105	3SSW2204	STR	3105											
	6	25	3570	1A2502	27			450	3120							435	116		13	22	2375	3SSW2205	STR	2375											
	105	13	1000	1A1301	S3	130			740						130	80			20	22	1710	3SSW2203	16	---	---	660	1050		1014	272					
*	21	16	8700	1SSA1601	STR	8700													8	16	1610	3SSW1602	17			660	290	660							
	48	16	1350	1SSA1602	1	180	990						180		140			WINGWALL #4																	
	4	25	3570	1SSA2503	16	---	---	3120	450						116	435		▲	16	16	2580	4W1601	STR	2580											
*	49	25	3400	1SSA2501	17		1000	2400	---									▲	6	22	3105	4W2204	STR	3105											
	4	25	3520	1SSA2502	27		400	3120							435	116		▲	12	22	2135	4W2205	STR	2135											
▲	49	16	3480	1SSA1603	S10		1370	740	1370										2	22	3885	4W2206	16	---	---	1050	2835		1952	1920					
8	16	4140	1SSA1604	S10		1900	340	1900											17	22	1710	4W2203	27	---	---	1050	660		1014	272					
ABUTMENT #2																		ASTM STANDARD REINFORCING BARS																	
*	29	16	8700	2A1601	STR	8700												BAR SIZE	NOMINAL MASS (kg/m)	NOMINAL DIMENSIONS ROUND SECTION															
△	116	19	3060	2A1901	STR	3060														DIAMETER (mm)	CROSS SECTIONAL AREA (mm²)	PERIMETER (mm)													
△	116	25	3150	2A2501	STR	3150												#10	0.560	9.5	71	29.84													
	6	25	3570	2A2503	16	---	---	3120	450						116	435		#13	0.994	12.7	129	39.90													
	6	25	3570	2A2502	27			450	3120						435	116		#16	1.552	15.9	199	49.95													
	105	13	1000	2A1301	S3	130			740					130	80		#19	2.235	19.1	284	60.00														
*	21	16	8700	2SSA1601	STR	8700												#22	3.042	22.2	387	69.74													
	48	16	1350	2SSA1602	1	180	990						180		140			#25	3.973	25.4	510	79.80													
	4	25	3570	2SSA2503	16	---	---	3120	450						116	435		#29	5.060	28.7	645	90.16													
*	49	25	3050	2SSA2501	17		1000	2050	---									#32	6.404	32.3	819	101.47													
	4	25	3570	2SSA2502	27		450	3120							435	116		#36	7.907	35.8	1006	112.47													
▲	49	16	3320	2SSA1603	S10		1290	740	1290									#43	11.380	43.0	1452	135.09													
8	16	4140	2SSA1604	S10		1900	340	1900										#57	20.240	57.3	2581	180.01													

~ 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 M 31M (ASTM A 615M-SI). 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.
- SS DENOTES STAINLESS STEEL REINFORCING BAR
- E IN BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



BAR SIZE	NOMINAL MASS (kg/m)	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER (mm)	CROSS 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

REVISED 7-10-09
REVISED 6-23-09
REVISED 4-13-09

PROJECT NAME: **EAST MONTPELIER**
PROJECT NUMBER: **BRF 028-3(36)**
FILE NAME: /98b254/str/sb254rss.xls
PROJECT MANAGER: **K. HIGGINS**
DESIGNED BY: **J. LACROIX**
REINFORCING STEEL SCHEDULE SHEET
PLOT DATE: **7/10/2009**
DRAWN BY: **R. PELLETT**
CHECKED BY: **J. LACROIX**
SHEET **41** OF **68**