STATE OF VERMONT
AGENCY OF TRANSPORTATION

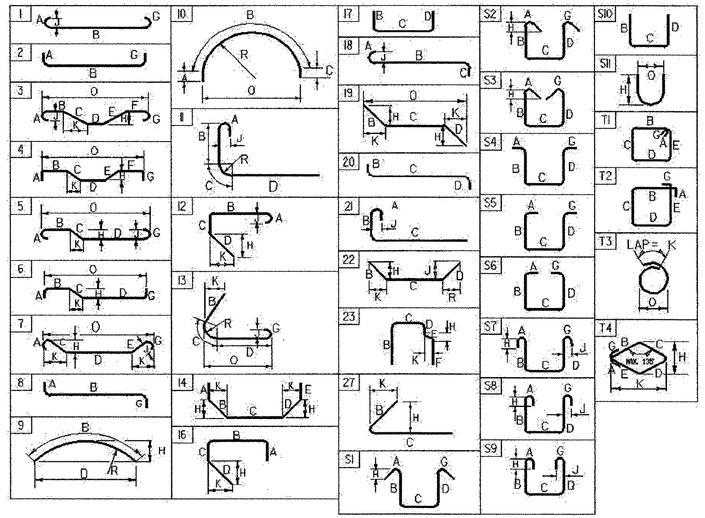
REINFORCING STEEL SCHEDULE

	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	ABUTMENT 2																
▲	38	5	32'- 0"	2A501	STR												
	57	5	4'- 5"	2A502	STR												
●	41	5	13'- 9"	2A503	STR												
	16	5	16'- 3"	2A503A	STR												
	42	5	4'- 4"	2A504	STR												
▲	112	5	30'- 6"	2A505	STR												
▲ ●	84	5	9'- 1"	2A506	STR												
▲	56	5	12'- 0"	2A506A	STR												
▲	52	5	5'- 3"	2A507	STR												
	42	5	8'- 10"	2A508	17		2'- 2"	4'- 6"	2'- 2"								
	20	5	7'- 2"	2A509	17		3'- 0"	1'- 2"	3'- 0"								
	42	5	5'- 2"	2A510	17		2'- 2"	0'- 10"	2'- 2"								
	33	5	7'- 1"	2A511	16	2'- 2"	1'- 9"	1'- 2"	2'- 0"								
	11	5	6'- 4"	2A512	8	2'- 2"	2'- 0"					2'- 2"					
	8	5	9'- 1"	2A513	19		2'- 2"	4'- 9"	2'- 2"				1'- 1"		1'- 10"		8'- 5"
	48	5	5'- 8"	2A514	22		3'- 6"	2'- 2"	----				3'- 5"	----	0'- 8"	----	
▲	33	5	7'- 7"	2A515	11		----	3'- 7"	4'- 0"							4'- 0"	
▲	31	5	9'- 3"	2A516	9		9'- 3"						0'- 6"			22'- 0"	9'- 2"
	25	5	7'- 8"	2A517	22		5'- 6"	2'- 2"	----				5'- 5"	----	0'- 11"	----	
	23	5	9'- 2"	2A518	17		2'- 2"	7'- 0"	----								
	62	7	10'- 7"	2A701	STR												
●	34	8	3'- 6"	2A801	STR												
●	58	8	14'- 6"	2A802	STR												
	112	8	17'- 7"	2A803	17		7'- 8"	9'- 11"	----								
	17	8	4'- 1"	2A804	22		1'- 9"	2'- 4"					1'- 3"	----	1'- 3"	----	
	WINGWALL 3																
	20	5	28'- 6"	3W501	STR												
	22	5	4'- 5"	3W502	STR												
	22	5	24'- 0"	3W503	STR												
	22	5	11'- 1"	3W504	STR												
	51	5	21'- 0"	3W505	STR												
	22	5	2'- 2"	3W506	STR												
	22	5	4'- 7"	3W507	17		1'- 6"	1'- 7"	1'- 6"								
●	22	7	7'- 6"	3W701	STR												
	14	8	3'- 6"	3W801	STR												
●	44	9	12'- 3"	3W901	STR												
●	22	9	11'- 1"	3W902	STR												
	44	9	14'- 11"	3W903	17		5'- 9"	9'- 2"	----								
	WINGWALL 4																
	18	5	23'- 9"	4W501	STR												
	22	5	4'- 5"	4W502	STR												
	22	5	21'- 9"	4W503	STR												
	22	5	11'- 1"	4W504	STR												
	47	5	21'- 9"	4W505	STR												
	22	5	2'- 2"	4W506	STR												
	22	5	4'- 7"	4W507	17		1'- 6"	1'- 7"	1'- 6"								
	14	8	3'- 6"	4W801	STR												
●	44	8	11'- 2"	4W802	STR												
●	22	8	12'- 10"	4W803	STR												
	44	8	14'- 10"	4W804	17		5'- 3"	9'- 7"	----								

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O

~ NOTES ~

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31 (ASTM A 615-SI). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
2. 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".
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
8. ▲ DENOTES BARS TO BE CUT IN FIELD.
9. ● DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. ■ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. "E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION DIAMETER INCHES	AREA INCHES^2	PERIMETER INCHES
#3	0.376	0.375	0.11	1.178
#4	0.668	0.500	0.20	1.571
#5	1.043	0.625	0.31	1.963
#6	1.502	0.750	0.44	2.356
#7	2.044	0.875	0.60	2.749
#8	2.670	1.000	0.79	3.142
#9	3.400	1.128	1.00	3.544
#10	4.303	1.270	1.27	3.990
#11	5.313	1.410	1.56	4.430
#14	7.65	1.693	2.25	5.32
#18	13.60	2.257	4.00	7.09

PROJECT NAME:	Royalton		
PROJECT NUMBER:	BRZ 1444(22)		
FILE NAME:	89j099rei.xls	PLOT DATE:	8/11/00
PROJECT LEADER:	C.P. Williams	DRAWN BY:	C.P. Williams
DESIGNED BY:	C.P. Williams	CHECKED BY:	W.B. Symonds
REINFORCING STEEL SCHEDULE SHEET #2		SHEET 94 OF 118	