STATE OF VERMONT
AGENCY OF TRANSPORTATION

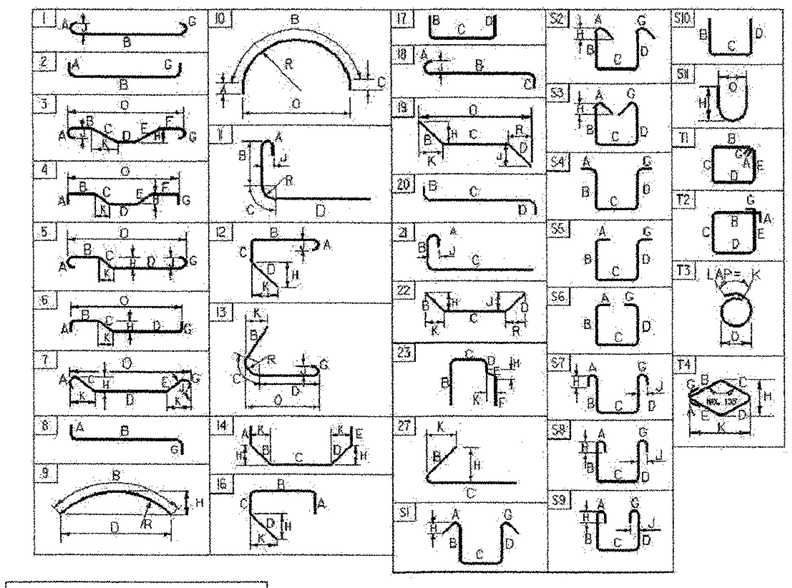
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
SLAB																	
▲	29	5	40'- 3"	ES501A	STR												
▲	29	5	23'- 9"	ES501B	STR												
✳	10	5	19'- 10"	ES502A	STR												
	9	5	26'- 4"	ES502B	STR												
	51	5	7'- 9"	ES503	S6	0'- 10"	1'- 0"	4'- 1"	1'- 0"			0'- 10"					
	51	6	7'- 1"	ES504	S5	0'- 10"	2'- 0"	1'- 5"	2'- 0"			0'- 10"					
▲	63	8	30'- 7"	ES801	1	1'- 4"	29'- 3"					----		0'- 8"			
✳ ▲	24	8	28'- 10"	ES802	1	1'- 4"	27'- 6"					----		0'- 8"			
	9	8	19'- 6"	ES803	9		19'- 6"						2'- 8"			17'- 7"	18'- 6"
APPROACH SLAB NO.1																	
✳ ▲	28	5	13'- 9"	1EAS501	STR												
▲	27	5	21'- 3"	1EAS502	STR												
✳ ▲	15	9	25'- 0"	1EAS901	1	1'- 3"	23'- 9"					----		1'- 0"			
▲	23	9	26'- 6"	1EAS902	1	1'- 3"	25'- 3"					----		1'- 0"			
APPROACH SLAB NO.2																	
✳ ▲	28	5	23'- 11"	2EAS501	STR												
▲	27	5	20'- 5"	2EAS502	STR												
▲	20	9	27'- 4"	2EAS901	1	1'- 3"	26'- 1"					----		1'- 0"			
✳ ▲	20	9	24'- 0"	2EAS902	1	1'- 3"	22'- 9"					----		1'- 0"			
ABUTMENT NO.1																	
▲	28	5	24'- 8"	1A501A	STR												
▲	16	5	30'- 3"	1A501B	STR												
	71	5	3'- 11"	1A502	STR												
▲	28	5	33'- 2"	1A503A	STR												
	26	5	12'- 10"	1A503B	STR												
▲	28	5	27'- 9"	1A503C	STR												
▲	63	5	11'- 9"	1A504	STR												
✳ ▲	67	5	8'- 10"	1A505	STR												
▲	8	5	13'- 8"	1A508	STR												
▲	4	5	10'- 8"	1A509	STR												
▲	8	5	3'- 4"	1A510	STR												
	19	5	7'- 3"	1A506	16	2'- 2"	2'- 1"	1'- 6"	1'- 6"								
	17	5	5'- 5"	1A507	S10		2'- 2"	1'- 1"	2'- 2"								
△ ▲	78	7	7'- 9"	1A701	STR												
	70	8	10'- 6"	1A801	17		6'- 11"	3'- 7"	----								
	19	8	4'- 0"	1EA802	19		1'- 6"	2'- 6"	----				1'- 1"		1'- 1"		
WINGWALL NO. 1																	
	14	5	10'- 10"	1W501	STR												
	10	5	3'- 11"	1W502	STR												
✳	31	5	9'- 3"	1W503	STR												
	10	5	13'- 8"	1W504	STR												
	9	5	9'- 10"	1W505	STR												
	5	5	6'- 5"	1W506	S10		2'- 2"	1'- 1"	2'- 2"								
	36	5	6'- 2"	1W507	19		3'- 1"	3'- 1"	----				2'- 3"		2'- 1"		
✳	13	8	8'- 3"	1W801	STR												
✳	10	9	10'- 10"	1W901	17		7'- 9"	3'- 1"	----								
WINGWALL NO. 2																	
	14	5	21'- 7"	2W501	STR												
	21	5	3'- 11"	2W502	STR												
▲	28	5	20'- 0"	2W503	STR												
▲	21	5	12'- 11"	2W504	STR												
▲	21	5	9'- 2"	2W505	STR												
	11	5	5'- 5"	2W506	S10		2'- 2"	1'- 1"	2'- 2"								
	36	5	7'- 10"	2W507	19		3'- 11"	3'- 11"	----				1'- 11"		3'- 4"		
	2	5	20'- 2"	2W508	19		----	19'- 0"	1'- 2"				0'- 2"		1'- 2"		
✳	24	8	8'- 3"	2W801	STR												
✳	22	9	10'- 10"	2W901	17		7'- 9"	3'- 1"	----								

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT NO. 2																	
	14	5	18'- 1"	2A501	STR												
	53	5	3'- 11"	2A502	STR												
▲	14	5	12'- 4"	2A503	STR												
▲	16	5	33'- 0"	2A504	STR												
▲	30	5	26'- 7"	2A507	STR												
▲	12	5	13'- 0"	2A508	STR												
✳ ▲	15	5	6'- 4"	2A509	STR												
▲	24	5	26'- 10"	2A510	STR												
▲	34	5	10'- 3"	2A511	STR												
▲	31	5	7'- 3"	2A512	STR												
	4	5	15'- 1"	2A513	STR												
	2	5	8'- 4"	2A514	STR												
▲	8	5	3'- 0"	2A515	STR												
▲	3	5	12'- 2"	2A516	STR												
▲	4	5	9'- 2"	2A517	STR												
	9	5	8'- 8"	2A505	20		2'- 2"	4'- 4"	2'- 2"								
	9	5	7'- 4"	2A506	20		2'- 2"	3'- 0"	2'- 2"								
	22	5	7'- 3"	2A518	16	2'- 2"	2'- 1"	1'- 6"	1'- 6"								
	7	5	5'- 5"	2A519	17		2'- 2"	1'- 1"	2'- 2"								
△	45	7	7'- 6"	2A701	STR												
✳	18	8	7'- 6"	2A801	STR												
	31	8	13'- 9"	2A802	17		10'- 8"	3'- 1"	----								
	35	8	10'- 0"	2A803	17		8'- 11"	3'- 1"	----								
	22	8	4'- 0"	2EA804	19		1'- 6"	2'- 6"	----				1'- 1"		1'- 1"		
▲	26	8	8'- 10"	2A805	17		7'- 8"	1'- 4"	----								
WINGWALL NO. 3																	
	9	5	3'- 11"	3W502	STR												
▲	26	5	12'- 0"	3W503	STR												
▲	9	5	12'- 3"	3W504	STR												
▲	12	5	11'- 9"	3W505	STR												
▲	5	5	9'- 4"	3W506	STR												
	2	5	13'- 4"	3W501	22		2'- 2"	9'- 0"	2'- 2"				1'- 8"	1'- 6"	1'- 6"	1'- 6"	
	11	5	4'- 4"	3W507	17		2'- 2"	2'- 2"	----								
	11	5	10'- 1"	3W508	22		2'- 2"	6'- 9"	2'- 2"				1'- 8"	1'- 6"	1'- 6"	1'- 6"	
	6	5	5'- 5"	3W509	S10		2'- 2"	1'- 1"	2'- 2"								
	2	5	12'- 0"	3W510	19		----	9'- 9"	2'- 3"				0'- 1"		2'- 3"		
	5	8	10'- 0"	3W801	17		6'- 11"	3'- 1"	----								
WINGWALL NO.4																	
	13	5	30'- 7"	4W501	STR												
	31	5	3'- 11"	4W502	STR												
	32	5	7'- 6"	4W503A	STR												
	32	5	24'- 9"	4W503B	STR												
	31	5	15'- 0"	4W504	STR												
✳	31	5	6'- 10"	4W505	STR												
	16	5	5'- 5"	4W506	S10		2'- 2"	1'- 1"	2'- 2"								
	39	5	7'- 10"	4W507	19		3'- 11"	3'- 11"	----				1'- 11"		3'- 4"		
✳	32	8	10'- 5"	4W802	STR												
	31	8	10'- 0"	4W801	17		6'- 11"	3'- 1"	----								
▲	15	8	7'- 4"	4W803	17		6'- 0"	1'- 4"	----								
✳	33	9	8'- 0"	4W901	STR												
✳	31	9	9'- 2"	4W902	17		7'- 7"	1'- 7"	----								

~ 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 DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	AREA INCHES²	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: ROCKINGHAM
PROJECT NUMBER: TH 2 - 9103

FILE NAME: \90c053\structures\sc053rss.xls
PROJECT MANAGER: R. R. WHITCOMB
DESIGNED BY: G. ROY
REINFORCING STEEL SCHEDULE SHEET #1

PLOT DATE: 03/20/2003
DRAWN BY: L. BULLOCK
CHECKED BY: G. ROY
SHEET 31 OF 38