STATE OF VERMONT
AGENCY OF TRANSPORTATION

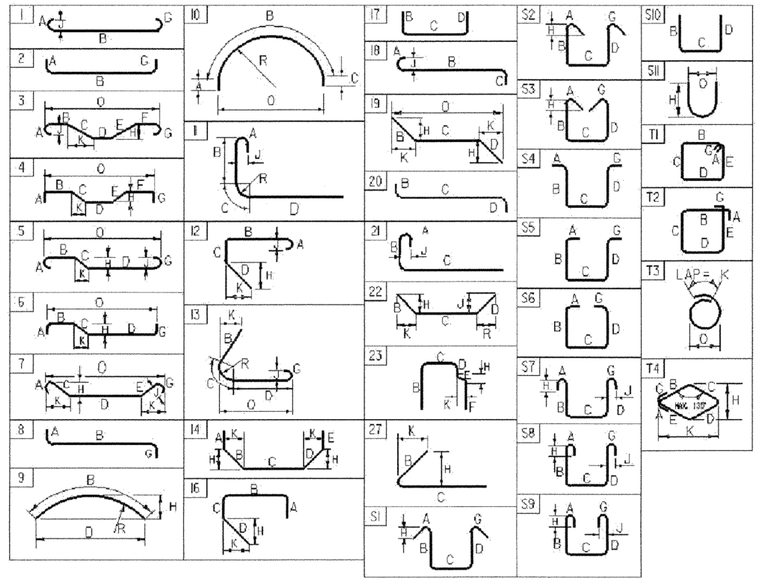
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	DECK																
	258	5	38'- 10"	ES501	STR												
	8	5	31'- 2"	ES506	STR												
✳	378	6	31'- 2"	ES601	STR												
△	115	5	12'- 5"	ES502	S5	2'- 2"	1'- 5"	5'- 8"	1'- 0"			2'- 2"					
	113	5	7'- 8"	ES503	S5	2'- 2"	1'- 4"	1'- 0"	1'- 0"			2'- 2"					
	24	5	7'- 0"	ES504	S5	2'- 2"	0'- 11"	0'- 11"	0'- 10"			2'- 2"					
	24	5	8'- 4"	ES505	S5	2'- 2"	0'- 11"	2'- 3"	0'- 10"			2'- 2"					
	150	5	9'- 0"	ES507	S5	2'- 2"	2'- 2"	0'- 6"	2'- 0"			2'- 2"					
	150	5	4'- 6"	ES508	S11								2'- 0"				0'- 6"
	ABUTMENT #1																
	12	5	24'- 1"	1A501	STR												
	23	5	3'- 11"	1A502	STR												
	18	5	22'- 1"	1A503	STR												
▲	23	5	8'- 6"	1A504	STR												
	23	5	4'- 10"	1A505	STR												
▲	2	5	22'- 1"	1A507	STR												
▲	48	5	8'- 3"	1A508	STR												
▲	11	5	36'- 8"	1A510	STR												
	12	5	12'- 1"	1A514	STR												
	13	5	5'- 0"	1A515	STR												
▲	13	5	5'- 6"	1A516	STR												
	10	5	12'- 1"	1A517	STR												
	26	5	5'- 0"	1A519	STR												
	8	5	1'- 11"	1A526	STR												
	8	5	1'- 5"	1A527	STR												
	21	6	6'- 0"	1A601	STR												
△	41	8	3'- 9"	1A801	STR												
△	15	8	3'- 6"	1EA801	19		1'- 0"	2'- 6"	---								
	23	5	10'- 1"	1A506	16	2'- 2"	3'- 6"	1'- 3"	3'- 3"								
	33	5	5'- 10"	1A511	17		2'- 2"	1'- 6"	2'- 2"								
	25	5	4'- 10"	1A512	17		2'- 2"	0'- 6"	2'- 2"								
▲	13	5	9'- 11"	1A513	17		5'- 6"	4'- 6"	---								
	13	5	7'- 10"	1A518	17		2'- 2"	3'- 6"	2'- 2"								
	25	5	5'- 2"	1A524	17		2'- 2"	3'- 0"	---								
	5	5	6'- 10"	1A525	17		2'- 2"	2'- 6"	2'- 2"								
	20	5	8'- 3"	1A509	19		2'- 2"	6'- 1"	---								
	6	5	13'- 1"	1A520	19		4'- 4"	6'- 7"	2'- 2"								
	6	5	11'- 2"	1A522	19		4'- 4"	4'- 8"	2'- 2"								
	6	5	8'- 2"	1A523	20		2'- 8"	3'- 4"	2'- 2"								
	6	5	9'- 6"	1A521	20		2'- 8"	4'- 8"	2'- 2"								
	23	8	11'- 3"	1A802	17		7'- 9"	3'- 6"	---								
	WINGWALL #1																
▲	28	5	10'- 4"	1W502	STR												
▲	12	5	3'- 11"	1W503	STR												
	12	5	5'- 0"	1W504	STR												
✳	25	5	7'- 6"	1W505	STR												
▲	12	5	6'- 5"	1W501	17		3'- 11"	2'- 6"	---								
	12	5	5'- 10"	1W506	17		2'- 2"	1'- 6"	2'- 2"								
	2	5	13'- 7"	1W507	19		2'- 7"	11'- 0"	---								
	WINGWALL #2																
	14	5	36'- 2"	2W501	STR												
	33	5	3'- 11"	2W502	STR												
	32	5	11'- 10"	2W503A	STR												
	32	5	24'- 6"	2W503B	STR												
	66	5	10'- 8"	2W504	STR												
	66	5	6'- 2"	2W505	STR												
	33	6	8'- 3"	2W602	17		7'- 3"	1'- 0"	---								
✳	62	6	7'- 9"	2W603	STR												
	33	5	5'- 10"	2W506	17		2'- 2"	1'- 6"	2'- 2"								
	34	6	12'- 3"	2W601	17		8'- 9"	3'- 6"	---								
	ABUTMENT #2																
	34	5	26'- 8"	2A501	STR												
	37	5	3'- 11"	2A502	STR												
▲	68	5	25'- 0"	2A503A	STR												
▲	14	5	20'- 6"	2A503B	STR												
▲	37	5	14'- 4"	2A504	STR												
✳	40	5	5'- 8"	2A505	STR												
	37	5	4'- 4"	2A506	STR												
	8	5	1'- 11"	2A515	STR												
	8	5	1'- 5"	2A516	STR												
	30	8	3'- 9"	2A801	STR												

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
✳	40	8	11'- 0"	2A803	STR												
	35	9	9'- 3"	2A902	STR												
▲	3	5	31'- 2"	2EA510	STR												
	36	5	4'- 10"	2A507	19		---	3'- 7"	1'- 4"								
	24	5	12'- 3"	2A508A	16	2'- 2"	3'- 10"	1'- 4"	5'- 0"								
	12	5	11'- 2"	2A508B	16	2'- 2"	2'- 10"	2'- 2"	4'- 0"								
▲	24	5	11'- 0"	2A509	17		4'- 6"	1'- 10"	4'- 6"								
▲	44	5	8'- 1"	2A512	17		---	2'- 2"	5'- 11"								
	16	5	11'- 7"	2A513	22		2'- 2"	7'- 3"	2'- 2"								
▲	36	5	12'- 11"	2EA511	17		6'- 0"	0'- 9"	6'- 0"								
	40	8	8'- 4"	2A802	17		6'- 4"	2'- 0"	---								
	13	8	3'- 8"	2EA801	19		---	2'- 8"	1'- 0"								
	36	9	9'- 9"	2A901	17		7'- 9"	2'- 0"	---								
	WINGWALL #3																
	18	5	21'- 5"	3W501	STR												
	19	5	3'- 11"	3W502	STR												
	44	5	14'- 8"	3W503	STR												
	18	5	16'- 5"	3W504	STR												
	36	5	7'- 0"	3W505	STR												
✳	19	7	9'- 5"	3W701	STR												
	19	9	10'- 6"	3W902	STR												
✳	15	10	10'- 9"	3W1002	STR												
	18	5	5'- 10"	3W506	17		2'- 2"	1'- 6"	2'- 2"								
	18	9	12'- 6"	3W901	17		7'- 6"	5'- 0"	---								
	18	10	11'- 3"	3W1001	17		9'- 3"	2'- 0"	---								
	WINGWALL #4																
	12	5	3'- 11"	4W501	STR												
▲	12	5	11'- 3"	4W502	STR												
▲	12	5	16'- 6"	4W503	STR												
				4W504			NOT USED										
▲	18	5	6'- 0"	4W505	STR												
▲	12	7	11'- 6"	4W701	STR												
	12	9	9'- 3"	4W903	STR												
	12	5	5'- 10"	4W506	17		2'- 2"	1'- 6"	2'- 2"								
	2	5	12'- 0"	4W507	16	---	---	1'- 0"	11'- 0"								
				4W508			NOT USED										
	6	5	5'- 7"	4W509	20		2'- 2"	1'- 3"	2'- 2"								
	6	5	6'- 4"	4W510	20		2'- 2"	2'- 0"	2'- 2"								
	12	9	14'- 9"	4W901	17		10'- 3"	4'- 6"	---								
✳	13	9	9'- 9"	4W902	17		7'- 9"	2'- 0"	---								
	APPROACH SLAB #1																
	16	5	23'- 6"	1EAS501	STR												
	48	6	15'- 2"	1EAS601	1	0'- 8"	14'- 6"					---					0'- 6"
	APPROACH SLAB #2																
	16	5	23'- 6"	2EAS501	STR												
	48	6	15'- 2"	2EAS601	1	0'- 8"	14'- 6"					---					0'- 6"

~ 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 BAR MARK 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

REVISED - SEE SHEET PLOT DATE 7/9/2007

PROJECT NAME: BARTON
PROJECT NUMBER: BRO 1449(29)

FILE NAME: sj168rss.xls
PROJECT MANAGER: W. SYMONDS
DESIGNED BY: J. LACROIX
REINFORCING STEEL SCHEDULE SHEET #1

PLOT DATE: 11/10/2006
DRAWN BY: J. SALVATORI
CHECKED BY: T. SUMNER
SHEET 63 OF 84