STATE OF VERMONT
AGENCY OF TRANSPORTATION

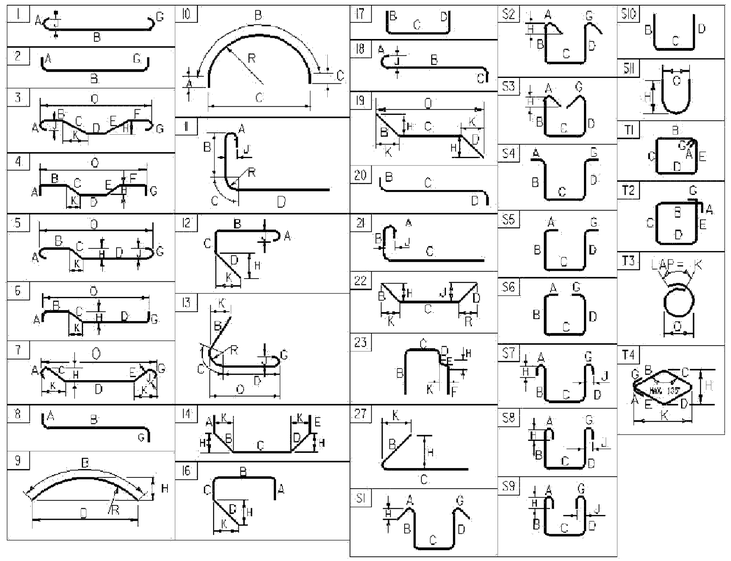
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	DECK																
✳	217	5	41'- 9"	ES501	STR												
	4	5	37'- 11"	ES503	STR												
✳	9	5	7'- 6"	ES504	STR												
	12	5	1'- 6"	ES505	STR												
	648	5	2'- 2"	ES502	17		1'- 4"	0'- 10"	---								
	25	5	4'- 3"	ES506	S11								4'- 0"				0'- 3"
✳ ▲	162	6	24'- 0"	ES601	STR												
✳ ▲	191	6	24'- 8"	ES602	1	0'- 8"	24'- 0"					---		0'- 6"			
	APPROACH SLAB NO. 1																
✳ ▲	23	5	37'- 8"	1EAS501	STR												
✳ ▲	30	9	20'- 9"	1EAS901	1	1'- 3"	19'- 6"					---		0'- 11"			
	APPROACH SLAB NO. 2																
✳ ▲	23	5	37'- 8"	2EAS501	STR												
✳ ▲	30	9	20'- 9"	2EAS901	1	1'- 3"	19'- 6"					---		0'- 11"			
	ABUTMENT NO. 1																
▲	36	5	22'- 10"	1A501	STR												
▲	44	5	22'- 11"	1A502	STR												
▲	20	5	25'- 10"	1A503	STR												
✳ ▲	105	5	6'- 6"	1A504	STR												
	116	5	4'- 0"	1A505	STR												
▲	30	5	18'- 10"	1A506	STR												
▲	72	5	4'- 8"	1A507	STR												
	4	5	18'- 10"	1EA510	STR												
▲	12	5	8'- 0"	1A511	STR												
▲	36	5	7'- 7"	1A512	STR												
▲	6	5	6'- 0"	1EA516	STR												
▲	34	5	8'- 5"	1A508	S10		3'- 4"	1'- 9"	3'- 4"								
▲	41	5	9'- 9"	1EA509	S10		4'- 6"	0'- 9"	4'- 6"								
▲	15	5	10'- 2"	1A513	S10		4'- 10"	0'- 6"	4'- 10"								
▲	2	5	9'- 0"	1EA514	S10		4'- 3"	0'- 6"	4'- 3"								
	3	5	2'- 11"	1EA515	17		---	1'- 7"	1'- 4"								
	17	8	3'- 3"	1EA803	STR												
	89	8	3'- 4"	1A801	17		---	1'- 8"	1'- 8"								
	22	8	3'- 8"	1A802	17		---	1'- 8"	2'- 0"								
	WINGWALL NO. 1																
	16	5	29'- 9"	1W501	STR												
	3	5	25'- 11"	1W502	STR												
	10	5	25'- 11"	1W503	STR												
▲	30	5	19'- 5"	1W504	STR												
✳ ▲	27	5	6'- 9"	1W505	STR												
	26	5	4'- 0"	1W506	S10		1'- 6"	1'- 0"	1'- 6"								
	45	8	3'- 4"	1W801	17		---	1'- 8"	1'- 8"								
	26	8	3'- 6"	1W802	STR												
	WINGWALL NO. 2																
▲	21	5	26'- 7"	2W501	STR												
▲	12	5	18'- 9"	2W502	STR												
▲	4	5	5'- 4"	2W503	STR												
▲	27	5	21'- 9"	2W504	STR												
▲	19	5	11'- 5"	2W505	STR												
	2	5	18'- 10"	2W508	STR												
	19	5	4'- 0"	2W506	S10		1'- 6"	1'- 0"	1'- 6"								
	2	5	21'- 9"	2W507	19		---	19'- 6"	2'- 3"				1'- 3"		1'- 10"		
	48	8	3'- 4"	2W801	17		---	1'- 8"	1'- 8"								
	19	8	3'- 6"	2W802	STR												

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	ABUTMENT NO. 2																
▲	32	5	24'- 0"	2A501	STR												
▲	46	5	19'- 9"	2A502	STR												
▲	20	5	25'- 9"	2A503	STR												
✳ ▲	105	5	6'- 3"	2A504	STR												
▲	116	5	4'- 0"	2A505	STR												
▲	30	5	18'- 7"	2A506	STR												
▲	72	5	4'- 6"	2A507	STR												
▲	12	5	7'- 5"	2A510	STR												
▲	32	5	7'- 2"	2A511	STR												
▲	35	5	8'- 0"	2A508	S10		3'- 3"	1'- 6"	3'- 3"								
▲	36	5	7'- 0"	2A509	S10		3'- 3"	0'- 6"	3'- 3"								
▲	23	5	7'- 8"	2A512	S10		3'- 7"	0'- 6"	3'- 7"								
	18	8	3'- 3"	2EA803	STR												
	92	8	3'- 4"	2A801	17		---	1'- 8"	1'- 8"								
	26	8	3'- 8"	2A802	17		---	1'- 8"	2'- 0"								
	WINGWALL NO. 3																
▲	19	5	11'- 2"	3W501	STR												
▲	3	5	5'- 0"	3W502	STR												
				3W503			NOT USED										
▲	12	5	19'- 0"	3W504	STR												
▲	2	5	2'- 8"	3W505	STR												
	2	5	3'- 10"	3W507	STR												
▲	5	5	4'- 0"	3W508	S10		1'- 6"	1'- 0"	1'- 6"								
	20	8	3'- 4"	3W801	17		---	1'- 8"	1'- 8"								
	WINGWALL NO. 4																
▲	19	5	20'- 6"	4W501	STR												
▲	3	5	17'- 8"	4W502	STR												
▲	8	5	11'- 4"	4W503	STR												
▲	21	5	22'- 0"	4W504	STR												
✳ ▲	19	5	5'- 9"	4W505	STR												
▲	18	5	4'- 0"	4W506	STR		1'- 6"	1'- 0"	1'- 6"								
	2	5	18'- 0"	4W507	19		---	1'- 4"	16'- 8"							0'- 4"	1'- 3"
	40	8	3'- 4"	4W801	17		---	1'- 8"	1'- 8"								

~ 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 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: **SPRINGFIELD**
PROJECT NUMBER: **BHO 1442(30)**

FILE NAME: **s96j348rss.xls**
PROJECT MANAGER: **R. WHITCOMB**
DESIGNED BY: **J. PERRIGO**
REINFORCING STEEL SCHEDULE SHEET

PLOT DATE: **9/26/2007**
DRAWN BY: **L. BULLOCK**
CHECKED BY: **C. CARLSON**
SHEET **47** OF **85**