STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

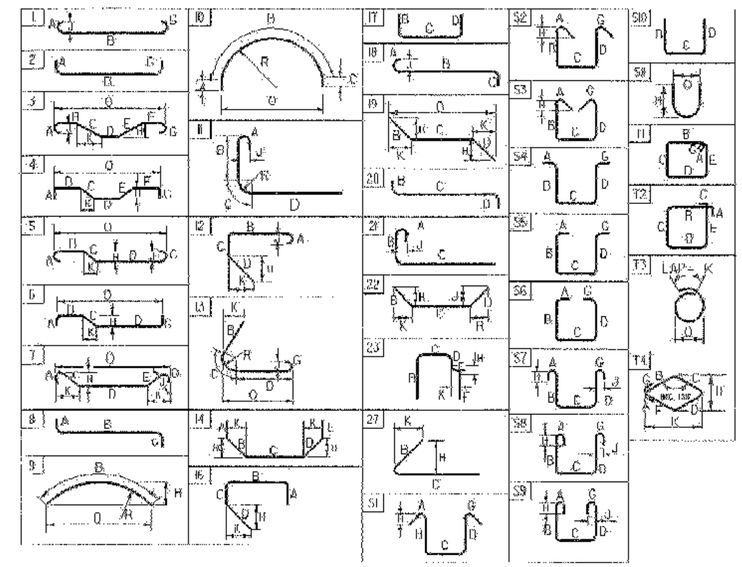
ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
DECK PHASE I																	
	160	5	43'- 4"	ES501A	STR												
▲	265	5	46'- 8"	ES501B	STR												
	2	5	45'- 9"	ES502	STR												
*	11	5	28'- 5"	ES503	STR												
▲	24	5	35'- 0"	ES504	STR												
	485	5	5'- 7"	ES505	S5	0'- 10"	1'- 3"	1'- 5"	1'- 3"			0'- 10"					
	17	5	9'- 7"	ES506	S5	0'- 10"	3'- 10"	0'- 6"	3'- 7"			0'- 10"					
	36	5	3'- 3"	ES510	STR												
	49	5	5'- 2"	ES511	16	1'- 0"	1'- 6"	0'- 8"	2'- 0"								
▲	36	5	4'- 4"	ES512	S10		3'- 6"	0'- 10"	---								
▲	18	5	4'- 10"	ES513	S10		2'- 2"	0'- 6"	2'- 2"								
	62	5	4'- 5"	ES514	S5	0'- 10"	0'- 7"	1'- 7"	0'- 7"			0'- 10"					
▲	12	5	24'- 0"	ES515	STR												
	412	6	19'- 4"	ES601	1	0'- 8"	18'- 8"					---		0'- 6"			
	412	6	20'- 0"	ES602	1	0'- 8"	18'- 8"					0'- 8"		0'- 6"			
* ▲	67	6	35'- 0"	ES603	STR												
▲	66	6	35'- 8"	ES606	1	0'- 8"	35'- 0"					---		0'- 6"			
*	33	7	16'- 10"	ES701	STR												
	27	8	3'- 0"	ES801	19		1'- 0"	2'- 0"	---								
DECK PHASE II																	
	246	5	43'- 4"	ES501A	STR												
	310	5	46'- 8"	ES501B	STR												
	2	5	45'- 9"	ES502	STR												
* ▲	25	5	35'- 0"	ES504	STR												
	39	5	9'- 7"	ES506	S5	0'- 10"	3'- 10"	0'- 6"	3'- 7"			0'- 10"					
	478	5	5'- 9"	ES507	STR												
	478	5	3'- 4"	ES508	S10		1'- 0"	1'- 4"	1'- 0"								
	478	5	3'- 3"	ES509	S10		1'- 0"	1'- 3"	1'- 0"								
	24	5	3'- 3"	ES510	STR												
	43	5	5'- 2"	ES511	16	1'- 0"	1'- 6"	0'- 8"	2'- 0"								
	84	5	4'- 5"	ES514	S5	0'- 10"	0'- 7"	1'- 7"	0'- 7"			0'- 10"					
▲	12	5	24'- 0"	ES515	STR												
	412	6	24'- 6"	ES603	1	0'- 8"	23'- 10"					---		0'- 6"			
	412	6	25'- 2"	ES604	1	0'- 8"	23'- 10"					0'- 8"		0'- 6"			
* ▲	67	6	29'- 9"	ES607	STR												
▲	66	6	30'- 6"	ES608	1	0'- 8"	29'- 9"					---		0'- 6"			
*	47	7	16'- 10"	ES701	STR												
	21	8	3'- 0"	ES801	19		1'- 0"	2'- 0"	---								
ABUTMENT NO. 1 PHASE I																	
▲	5	5	9'- 3"	1A505	S10		3'- 4"	2'- 7"	3'- 4"								
▲	4	6	4'- 3"	1A506	STR												
	2	5	4'- 8"	1A507	17		1'- 2"	3'- 4"	---				0'- 5"		1'- 1"		
ABUTMENT NO.1 PHASE II																	
	2	5	5'- 0"	1A501	S10		1'- 9"	1'- 6"	1'- 9"								
	2	5	9'- 4"	1A502	S10		3'- 11"	1'- 6"	3'- 11"								
	4	5	3'- 0"	1A503	STR												
	8	5	0'- 9"	1A504	STR												
ABUTMENT NO.2 PHASE I																	
▲	4	5	6'- 5"	2A505	S10		2'- 5"	1'- 7"	2'- 5"								
	2	5	3'- 2"	2A506	STR												
	2	5	3'- 5"	2A507	19		2'- 4"	1'- 1"	---				0'- 6"		0'- 11"		
ABUTMENT NO.2 PHASE II																	
	3	5	5'- 1"	2A501	S10		1'- 9"	1'- 7"	1'- 9"								
	2	5	10'- 3"	2A502	S10		4'- 4"	1'- 7"	4'- 4"								
	4	5	3'- 2"	2A503	STR												
	8	5	0'- 10"	2A504	STR												

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
APPROACH SLAB NO.1 PHASE I																	
	17	5	32'- 4"	1EAS501	STR												
* ▲	15	5	19'- 10"	1EAS502	STR												
	1	5	27'- 6"	1EAS503	STR												
▲	39	9	16'- 1"	1EAS901	1	1'- 3"	14'- 10"					---					
* ▲	25	9	14'- 2"	1EAS902	STR												
	1	9	15'- 9"	1EAS903	STR												
APPROACH SLAB NO.1 PHASE II																	
▲	17	5	29'- 2"	1EAS504	STR												
	29	9	16'- 1"	1EAS901	1	1'- 3"	14'- 10"					---					
▲	6	9	14'- 2"	1EAS902	STR												
	1	9	15'- 9"	1EAS903	STR												
APPROACH SLAB NO.2 PHASE I																	
	22	5	17'- 10"	2EAS502	STR												
	18	9	20'- 9"	2EAS901	1	1'- 3"	19'- 6"					---					
APPROACH SLAB NO.2 PHASE II																	
*	23	5	17'- 4"	2EAS501	STR												
*	23	9	20'- 9"	2EAS901	1	1'- 3"	19'- 6"					---					

SEE FIELD BOOK # 1PG 138~146

~ 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-S1). 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	7.66	1.693	2.25	5.32
#18	13.60	2.257	4.00	7.09

PROJECT NAME: CAMBRIDGE
PROJECT NUMBER: BHF 030-2(19)S

FILE NAME: \98b308\Structures\sb308rss.xls
PROJECT MANAGER: R. R. WHITCOMB
DESIGNED BY: E. A. HARTWELL
REINFORCING STEEL SCHEDULE SHEET #1

PLOT DATE: 11/8/2006
DRAWN BY: G. ROY
CHECKED BY: C. CARLSON
SHEET 58 OF 68