STATE OF VERMONT
AGENCY OF TRANSPORTATION

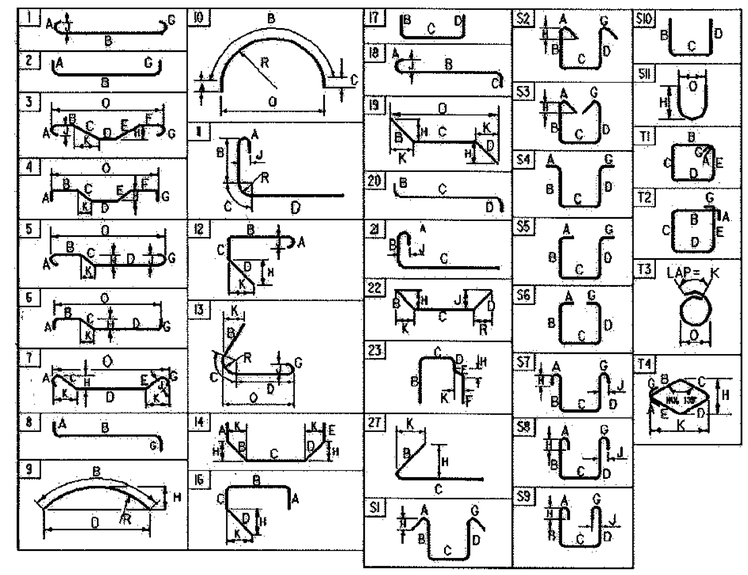
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
DECK																	
*	737	5	39'- 6"	ES501	STR												
△	1003	5	35'- 5"	ES502	STR												
	1202	5	4'- 4"	ES503	1	0'- 7"	3'- 9"					---					
△	302	5	4'- 6"	ES504	S5	0'- 6"	1'- 1"	1'- 4"	1'- 1"			0'- 6"					
△	302	5	9'- 2"	ES505	S5	0'- 6"	1'- 4"	5'- 7"	1'- 3"			0'- 6"					
	24	5	7'- 9"	ES506	2		3'- 3"	1'- 3"	3'- 3"								
	16	5	10'- 0"	ES507	3		2'- 2"	2'- 1"	1'- 6"	2'- 1"	2'- 2"		2'- 0"		0'- 6"		
*△	73	6	40'- 0"	ES601A	STR												
△	72	6	23'- 0"	ES601B	STR												
APP. SLAB 1																	
*△	23	5	27'- 6"	1EAS501	STR												
	28	5	5'- 2"	1EAS502	1	0'- 7"	4'- 0"					0'- 7"					
*△	35	9	20'- 9"	1EAS901	1	1'- 3"	19'- 6"					---					
ABUTMENT 1																	
*	9	5	35'- 5"	1EA501	STR												
△	36	5	7'- 11"	1EA502	12	0'- 7"	4'- 9"	---	2'- 7"				1'- 10"	1'- 10"			
△	72	5	7'- 3"	1EA503	17		2'- 4"	2'- 7"	2'- 4"								
△	36	5	7'- 5"	1EA504	17		2'- 7"	2'- 3"	2'- 7"								
	12	5	35'- 5"	1A501	STR												
△	36	6	11'- 6"	1A601	17		1'- 0"	7'- 11"	2'- 7"								
*△	73	6	10'- 8"	1A602	17		2'- 7"	8'- 1"	---								
WINGWALL 1																	
△	21	5	9'- 1"	1EW501	STR												
	10	5	10'- 6"	1EW502	STR												
	5	5	13'-6"	1EW502A	STR												
△	9	5	5' 8"	1EW503	S10		2' 2"	1' 4"	2' 2"								
	5	5	4'- 4"	1EW504	17		2'- 2"	2'- 2"	---								
	5	5	6'- 8"	1EW505	17		2'- 2"	4'- 6"	---								
△▲	14	5	10'- 3"	1W502	STR												
	7	5	4'- 4"	1W504	17		2'- 2"	2'- 2"									
	7	5	6'- 8"	1W505	17		2'- 2"	4'- 6"									
WINGWALL 2																	
△	21	5	9'- 1"	2EW501	STR												
	10	5	10'- 6"	2EW502	STR												
	5	5	13'-6"	2EW502A	STR												
△	9	5	5'- 8"	2EW503	S10		2'- 2"	1'- 4"	2'- 2"								
	5	5	4'- 4"	2EW504	17		2'- 2"	2'- 2"	---								
	5	5	6'- 8"	2EW505	17		2'- 2"	4'- 6"	---								
△▲	14	5	10'- 3"	2W502	STR												
	9	5	4'- 4"	2W504	17		2'- 2"	2'- 2"									
	9	5	6'- 8"	2W505	17		2'- 2"	4'- 6"									
PIER 1																	
*	11	6	22'- 6"	1P601	STR												
	14	6	5'- 6"	1P602	S10		1'- 0"	3'- 6"	1'- 0"								
△	128	6	13'- 0"	1P603	17		3'- 6"	6'- 0"	3'- 6"								
	10	6	23'- 7"	1P604	10	7'- 0"	9'- 7"	7'- 0"								3'- 0"	6'- 0"
	3	6	3876'- 4"	1P605	T3										---		4'- 0"
*	19	9	34'- 8"	1P001	STR												
*	841	10	38'- 0"	1P1001	STR												

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
APP. SLAB 2																	
*△	23	5	27'- 6"	2EAS501	STR												
	28	5	5'- 2"	2EAS502	1	0'- 7"	4'- 0"					0'- 7"					
*△	35	9	19'- 6"	2EAS901	1	1'- 3"	19'- 6"					---					
ABUTMENT 2																	
*△	9	5	35'- 5"	2EA501	STR												
△	36	5	7'- 11"	2EA502	12	0'- 7"	4'- 9"	---	2'- 7"				1'- 10"	1'- 10"			
△	72	5	7'- 3"	2EA503	17		2'- 4"	2'- 7"	2'- 4"								
△	36	5	7'- 5"	2EA504	17		2'- 7"	2'- 3"	2'- 7"								
△	12	5	35'- 5"	2A501	STR												
△	36	6	11'- 6"	2A601	17		1'- 0"	7'- 11"	2'- 7"								
△	72	6	10'- 8"	2A602	17		2'- 7"	8'- 1"	---								
WINGWALL 3																	
△	21	5	9'- 3"	3EW501	STR												
	10	5	10'- 6"	3EW502	STR												
△	9	5	5' 8"	3EW503	S10		2' 2"	1' 4"	2' 2"								
	5	5	4'- 4"	3EW504	17		2'- 2"	2'- 2"	---								
	5	5	6'- 8"	3EW505	17		2'- 2"	4'- 6"	---								
△▲	14	5	10'- 3"	3W502	STR												
	9	5	4'- 4"	3W504	17		2'- 2"	2'- 2"									
	9	5	8'- 2"	3W505	17		2'- 2"	6'- 0"									
WINGWALL 4																	
△	21	5	9'- 3"	4EW501	STR												
	10	5	10'- 6"	4EW502	STR												
△	9	5	5'- 8"	4EW503	S10		2'- 2"	1'- 4"	2'- 2"								
	5	5	4'- 4"	4EW504	17		2'- 2"	2'- 2"	---								
	5	5	6'- 8"	4EW505	17		2'- 2"	4'- 6"	---								
△▲	14	5	10'- 3"	4W502	STR												
	9	5	4'- 4"	4W504	17		2'- 2"	2'- 2"									
	9	5	8'- 2"	4W505	17		2'- 2"	6'- 0"									
PIER 2																	
*	11	6	22'- 6"	2P601	STR												
△	128	6	13'- 0"	2P603	17		3'- 6"	6'- 0"	3'- 6"								
	10	6	23'- 7"	2P604	10	7'- 0"	9'- 7"	7'- 0"								3'- 0"	6'- 0"
	3	6	3876'- 4"	2P605	T3										---		4'- 0"
	14	6	6'- 6"	2P606	S10		1'- 0"	4'- 6"	1'- 0"								
*	19	9	34'- 8"	2P001	STR												
*	841	10	38'- 0"	2P1001	STR												
BRIDGE RAIL																	
*	73	5	37'- 4"	ER501	STR												
▲	264	5	6'- 6"	ER502	S11								3'- 3"				0'- 10"
	660	5	3'- 4"	ER503	T2	0'- 4"	0'- 10"	0'- 6"	0'- 10"	0'- 6"		0'- 4"					
	350	5	4'- 3"	ER504	S5	0'- 6"	1'- 5"	0'- 5"	1'- 5"			0'- 6"					
	350	5	3'- 9"	ER505	S5	0'- 6"	1'- 2"	0'- 5"	1'- 2"			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 M31 (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

REV.	DESCRIPTION	DATE	REVISION BY
△	UPDATED REINFORCING SIZE/QUANTITY	3/7/2012	DRP

PROJECT NAME: NEWPORT CITY
PROJECT NUMBER: BRO 1449(25)

FILE NAME: 98j314__rss.xls
PROJECT MANAGER: C. CARLSON
DESIGNED BY: D. PETERSON
REINFORCING STEEL SCHEDULE SHEET

PLOT DATE: 3/9/2012
DRAWN BY: I. DEGUTIS
CHECKED BY: D. PETERSON
SHEET 47 OF 75