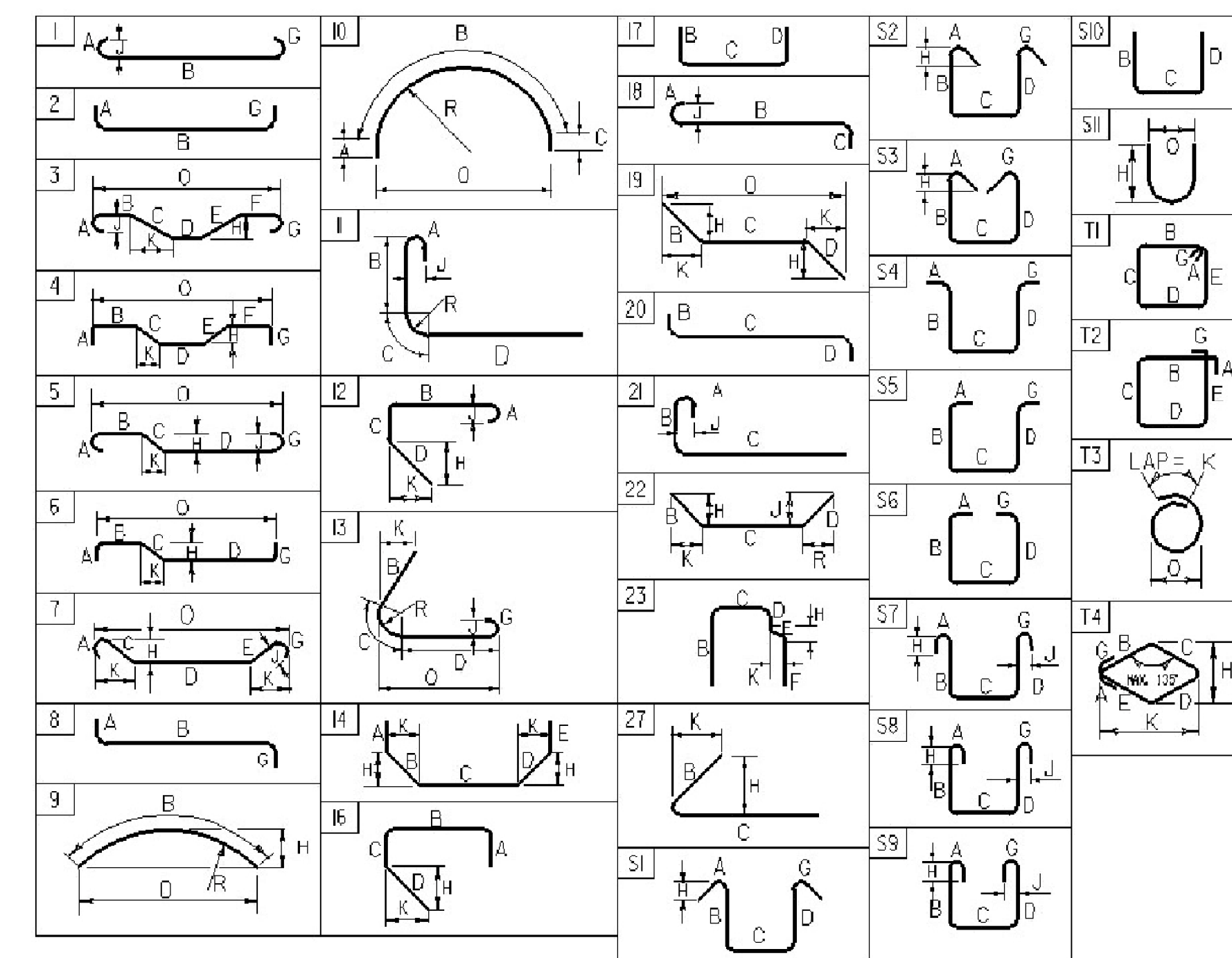


# REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O		
<b>DECK</b>																																					
*	409	5	24'- 10"	ES501	STR	24'- 10"																															
	156	5	37'- 4"	ES502	STR	37'- 4"																															
	24	5	33'- 4"	ES503	STR	33'- 4"																															
△	54	7	10'- 10"	ES701	12	0'- 7"	2'- 3"	---	8'- 0"				5'- 8"	0'- 5"	2'- 1"																						
<b>ABUTMENT #1</b>																																					
*	9	5	33'- 4"	1EA501	STR	33'- 4"																															
▲	36	5	12'- 1"	1EA503	S10		4'- 9"	2'- 7"	4'- 9"																												
	12	6	4'- 9"	1EA601	S10		3'- 9"	1'- 0"																													
	12	5	4'- 4"	1EA701	S10		2'- 2"	2'- 2"	---																												
	6	5	6'- 0"	EA504	17		3'- 0"	3'- 0"																													
*	17	5	33'- 4"	1A501	STR	33'- 4"																															
	16	5	4'- 4"	1A502	S10		2'- 2"	2'- 2"	---																												
△	18	6	9'- 8"	1A601	S10		8'- 8"	1'- 0"																													
△	104	8	13'- 6"	1A801	17		11'- 0"	2'- 6"	---																												
<b>WINGWALL #1</b>																																					
	12	5	10'- 6"	1EW501	STR	10'- 6"																															
▲	24	5	12'- 1"	1W502	STR	12'- 1"																															
	12	5	5'- 5"	1EW503	S10		2'- 2"	1'- 1"	2'- 2"																												
▲	16	5	10'- 1"	1W501	STR	10'- 1"																															
	2	5	12'- 10"	1W503	22		10'- 2"	2'- 8"					1'- 10"		1'- 11"																						
<b>WINGWALL #2</b>																																					
	12	5	10'- 6"	2EW501	STR	10'- 6"																															
▲	24	5	12'- 1"	2W502	STR	12'- 1"																															
	12	5	5'- 5"	2EW503	S10		2'- 2"	1'- 1"	2'- 2"																												
▲	16	5	10'- 1"	2W501	STR	10'- 1"																															
	2	5	12'- 10"	2W503	22		10'- 2"	2'- 8"					1'- 10"		1'- 11"																						
<b>ABUTMENT #2</b>																																					
*	9	5	33'- 4"	2EA501	STR	33'- 4"																															
▲	36	5	12'- 5"	2EA503	S10		4'- 11"	2'- 7"	4'- 11"																												
	12	6	4'- 9"	2EA601	S10		3'- 9"	1'- 0"																													
	12	5	4'- 4"	2EA701	S10		2'- 2"	2'- 2"	---																												
	6	5	6'- 0"	EA504	17		3'- 0"	3'- 0"																													
*	17	5	33'- 4"	2A501	STR	33'- 4"																															
	16	5	4'- 4"	2A502	S10		2'- 2"	2'- 2"	---																												
△	18	6	9'- 8"	2A601	S10		8'- 8"	1'- 0"																													
△	104	8	13'- 6"	2A801	17		11'- 0"	2'- 6"	---																												
<b>WINGWALL #3</b>																																					
	12	5	10'- 6"	3EW501	STR	10'- 6"																															
▲	24	5	12'- 1"	3W502	STR	12'- 1"																															
	12	5	5'- 5"	3EW503	S10		2'- 2"	1'- 1"	2'- 2"																												
▲	16	5	10'- 1"	3W501	STR	10'- 1"																															
	2	5	12'- 9"	3W503	22		10'- 1"	2'- 8"					1'- 9"		2'- 0"																						
<b>WINGWALL #4</b>																																					
	12	5	10'- 6"	4EW501	STR	10'- 6"																															
▲	24	5	12'- 1"	4W502	STR	12'- 1"																															
	12	5	5'- 5"	4EW503	S10		2'- 2"	1'- 1"	2'- 2"																												
▲	16	5	10'- 1"	4W501	STR	10'- 1"																															
	2	5	12'- 8"	4W503	22		10'- 0"	2'- 8"					1'- 9"		2'- 0"																						

~ NOTES ~

- 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.
- 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".
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
- "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
- "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
- WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
- ▲ DENOTES BARS TO BE CUT IN FIELD.
- \* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
- △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
- E IN BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS				
BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIAMETER INCHES	AREA INCHES <sup>2</sup>	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: JAMAICA  
 PROJECT NUMBER: BRO 1442(27)  
 FILE NAME: s96j068sub.dgn  
 PROJECT MANAGER: K.HIGGINS  
 DESIGNED BY: J.LACROIX  
 PLOT DATE: 10/16/2009  
 DRAWN BY: K.PATTERSON  
 CHECKED BY: J.LACROIX  
 REINFORCING STEEL SCHEDULE SHEET 25 OF 44