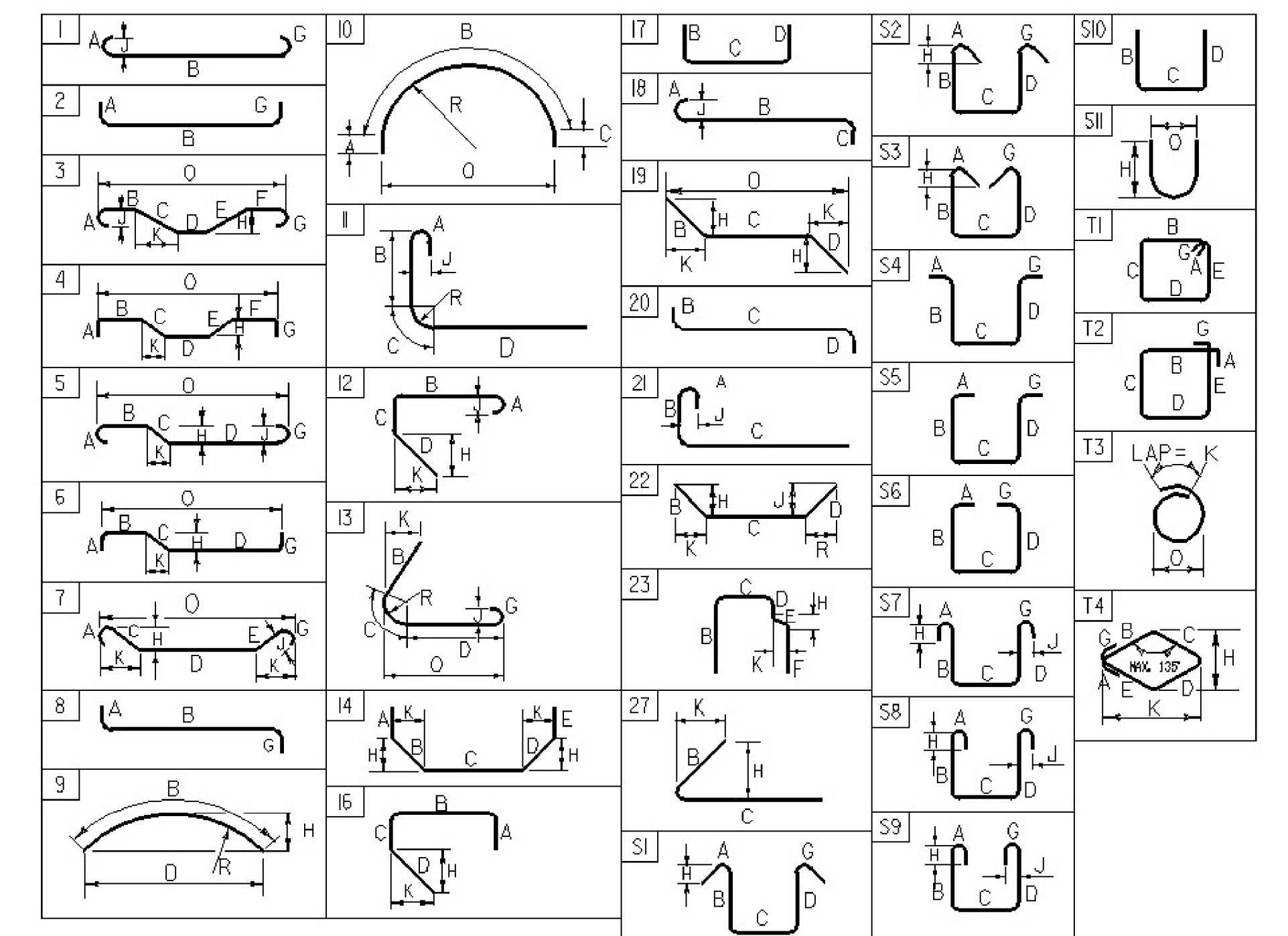


# REINFORCING STEEL SCHEDULE

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>																																								
	324	5	30'-0"	S501.3	STR	30'-0"																																		
	▲ 328	5	15'-9"	S502.3	STR	15'-9"																																		
	▲ 328	5	31'-2"	S503.3	STR	31'-2"																																		
	* 25	23	5	5'-0"	S504.3	STR	5'-0"																																	
	256	234	5	5'-4"	S505.3	S5	0'-10"	1'-1"	1'-5"	1'-2"			0'-10"																											
	*	71	8	23'-7"	S801.3	17		3'-0"	20'-7"	---																														
<b>APPROACH SLAB #1</b>																																								
	*	22	5	13'-3"	1AS501	STR	13'-3"																																	
		21	5	28'-6"	1AS502	STR	28'-6"																																	
		49	9	20'-9"	1AS901	1	1'-3"	19'-6"				---		1'-0"																										
<b>APPROACH SLAB #2</b>																																								
		21	5	13'-6"	2AS501	STR	13'-6"																																	
		21	5	29'-0"	2AS502	STR	29'-0"																																	
	*	50	9	20'-9"	2AS901	1	1'-3"	19'-6"				---		1'-0"																										
<b>ABUTMENT #1</b>																																								
	*	31	5	22'-1"	1A501	STR	22'-1"																																	
		12	5	20'-10"	1A501.3	STR	20'-10"																																	
		14	7	19'-10"	1A701.3	STR	19'-10"																																	
	* ▲	17	8	18'-8"	1A702.3	STR	18'-8"																																	
		22	8	19'-1"	1A802	STR	19'-1"																																	
	* ▲	31	9	18'-8"	1A803	STR	18'-8"																																	
		30	5	14'-11"	1A503	22		2'-5"	12'-6"	---			2'-4"	---	0'-8"	---																								
	* ▲	86	5	12'-7"	1A502.3	17		2'-7"	10'-0"	---			2'-4"	---	0'-8"	---																								
		22	5	14'-11"	1A503.3	22		2'-5"	12'-6"	---			2'-4"	---	0'-8"	---																								
		112	5	7'-5"	1A504.3	S10		2'-5"	2'-7"	2'-5"			2'-6"	---	4'-9"	---																								
	▲	2	5	9'-4"	1A505.3	22		5'-4"	4'-0"	---			2'-6"	---	4'-9"	---																								
	▲	17	5	22'-1"	1A506.3	S10		9'-9"	2'-7"	9'-9"																														
		11	5	26'-9"	1A507.3	S10		12'-1"	2'-7"	12'-1"																														
	*	36	6	6'-1"	1A601.3	1	0'-8"	4'-9"				0'-8"		0'-6"																										
	*	36	6	6'-6"	1A602.3	22		5'-0"	1'-6"	---			3'-6"	---	3'-6"	---																								
	* ▲	85	8	12'-7"	1A801.3	17		2'-7"	10'-0"	---																														
<b>WINGWALL #1</b>																																								
		11	5	25'-3"	1W501.3	S10		12'-1"	1'-1"	12'-1"																														
		11	5	6'-5"	1W502.3	S10		2'-8"	1'-1"	2'-8"																														
<b>ABUTMENT #2</b>																																								
		30	5	22'-1"	2A501	STR	22'-1"																																	
		12	5	20'-10"	2A501.3	STR	20'-10"																																	
	*	17	7	17'-6"	2A701.3	STR	17'-6"																																	
	▲	16	7	18'-10"	2A702.3	STR	18'-10"																																	
	*	23	8	16'-10"	2A802	STR	16'-10"																																	
	▲	30	8	18'-10"	2A803	STR	18'-10"																																	
	*	23	5	14'-11"	2A503	22		2'-5"	12'-6"	---			2'-4"	---	0'-8"	---																								
		30	5	15'-2"	2A505	27		2'-5"	12'-9"	---			2'-4"	---	0'-8"	---																								
	▲	85	5	12'-8"	2A502.3	17		2'-7"	10'-1"	---			2'-4"	---	0'-8"	---																								
		22	5	14'-11"	2A503.3	22		2'-5"	12'-6"	---			2'-4"	---	0'-8"	---																								
		107	5	7'-5"	2A504.3	S10		2'-5"	2'-7"	2'-5"			2'-6"	---	4'-9"	---																								
		22	5	15'-2"	2A505.3	27		2'-5"	12'-9"	---			2'-4"	---	0'-8"	---																								
		11	5	26'-11"	2A506.3	S10		12'-2"	2'-7"	12'-2"																														
		12	5	22'-1"	2A507.3	S10		9'-9"	2'-7"	9'-9"																														
	*	36	6	6'-1"	2A601.3	1	0'-8"	4'-9"				0'-8"		0'-6"																										
	*	36	6	6'-6"	2A602.3	22		5'-0"	1'-6"	---			3'-6"	---	3'-6"	---																								
	* ▲	85	8	12'-8"	2A801.3	17		2'-7"	10'-1"	---																														
<b>WINGWALL #3</b>																																								
		11	5	24'-11"	3W501.3	S10		11'-11"	1'-1"	11'-11"																														
		11	5	6'-5"	3W502.3	S10		2'-8"	1'-1"	2'-8"																														
<b>WINGWALL #4</b>																																								
	*	12	5	20'-3"	4W501.3	S10		9'-7"	1'-1"	9'-7"																														
		11	5	6'-5"	4W502.3	S10		2'-8"	1'-1"	2'-8"																														

~ 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-S). 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.
- .3 IN BAR MARK SUFFIX DENOTES LEVEL III REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS				
BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		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

▲ - SHEET ADDED 5/7/2014.  
REPLACES SHEET 33 IN CONTRACT PLANS.

PROJECT NAME:	<b>MARLBORO</b>
PROJECT NUMBER:	<b>BRF 010-1(43)</b>
FILE NAME: s10b414rss.dgn	PLOT DATE: 5/7/2014
PROJECT MANAGER: K. HIGGINS	