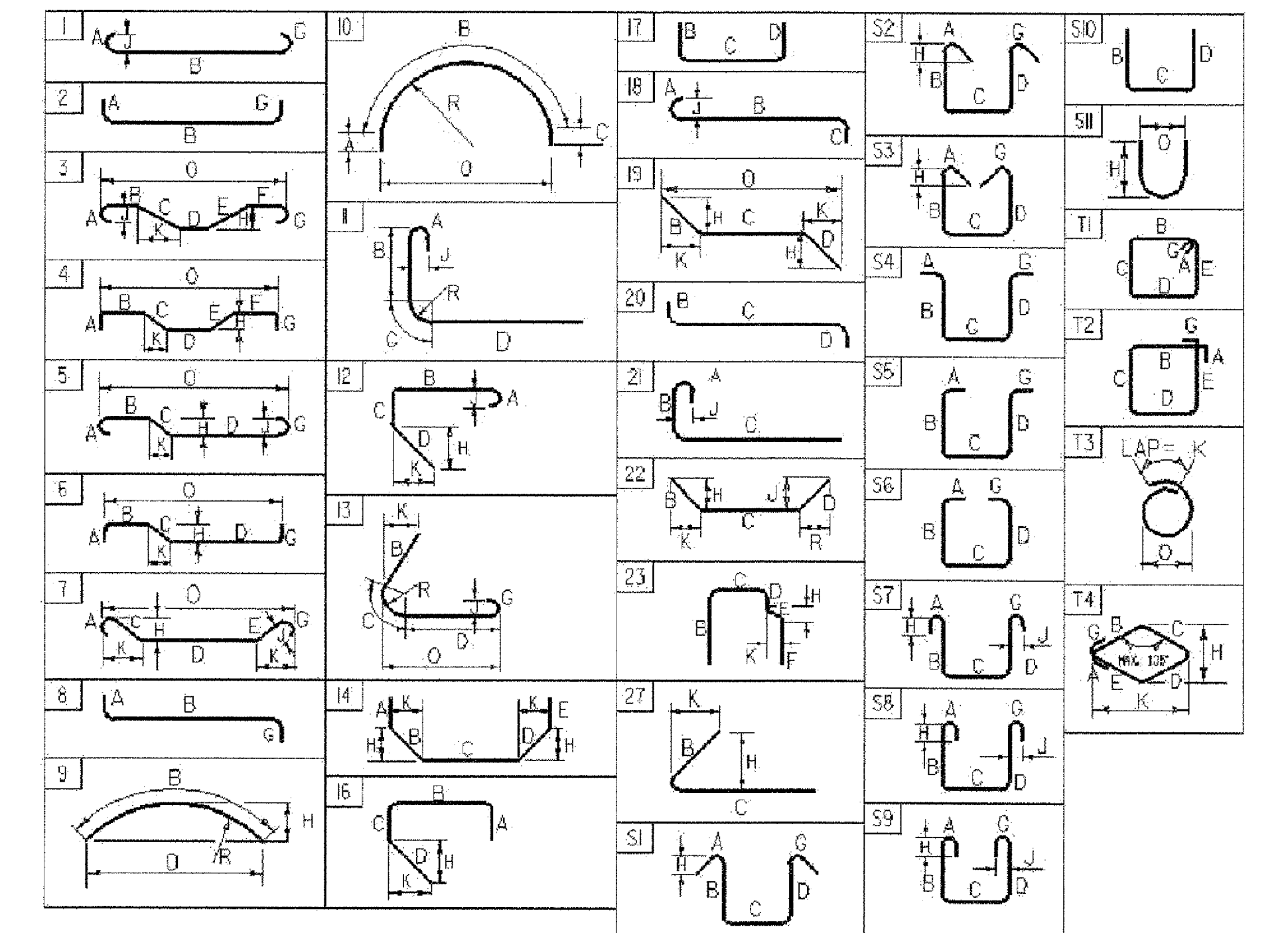


REINFORCING STEEL SCHEDULE

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								
DECK																																											
*	85	5	30'-10"	SE501	STR	30'-10"																																					
	61	5	32'-5"	SE502	STR	32'-5"																																					
	170	5	5'-10"	SE503	S5	1'-0"	1'-2"	1'-6"	1'-2"			1'-0"																															
APPROACH SLAB #1																	APPROACH SLAB #2																										
*	22	5	28'-2"	1ASE501	STR	28'-2"												*	22	5	28'-2"	2ASE501	STR	28'-2"																			
*	34	9	20'-9"	1ASE901	1	1'-3"	19'-6"					0'-0"						*	34	9	20'-9"	2ASE901	1	1'-3"	19'-6"				0'-0"														
ABUTMENT #1																	ABUTMENT #2																										
*	41	5	20'-6"	1A501	STR	20'-6"												*	41	5	20'-6"	2A501	STR	20'-6"																			
	80	5	3'-7"	1A502	17		0'-6"	2'-7"	0'-6"										80	5	3'-7"	2A502	17		0'-6"	2'-7"	0'-6"																
	37	5	7'-5"	1A503	16	0'-6"	3'-7"	1'-2"	2'-2"				1'-6"		1'-6"				37	5	7'-5"	2A503	16	0'-6"	3'-7"	1'-2"	2'-2"			1'-6"		1'-6"											
	16	5	4'-6"	1A504A	22		2'-1"	0'-4"	2'-1"				1'-9"	1'-9"	1'-2"	1'-2"			16	5	4'-6"	2A504A	22		2'-1"	0'-4"	2'-1"			1'-9"	1'-9"	1'-2"	1'-2"										
	16	5	4'-4"	1A504B	22		2'-2"	2'-2"	0'-0"				2'-0"	0'-0"	2'-0"	0'-0"			16	5	4'-4"	2A504B	22		2'-2"	2'-2"	0'-0"			2'-0"	0'-0"	2'-0"	0'-0"										
	3	5	6'-9"	1A505A	T4		2'-0"	2'-9"	2'-0"				2'-7"	2'-7"	2'-11"	2'-11"			3	5	6'-9"	2A505A	T4		2'-0"	2'-9"	2'-0"			2'-7"	2'-7"	2'-11"	2'-11"										
	3	5	6'-9"	1A505B	T4		2'-0"	2'-9"	2'-0"				2'-7"	2'-7"	2'-11"	2'-11"			3	5	6'-9"	2A505B	T4		2'-0"	2'-9"	2'-0"			2'-7"	2'-7"	2'-11"	2'-11"										
	10	5	10'-1"	1A506A	22		2'-2"	5'-9"	2'-2"				1'-9"	1'-9"	1'-3"	1'-3"			10	5	10'-1"	2A506A	22		2'-2"	5'-9"	2'-2"			1'-9"	1'-9"	1'-3"	1'-3"										
	10	5	12'-4"	1A506B	22		2'-2"	8'-0"	2'-2"				1'-3"	1'-3"	1'-9"	1'-9"			10	5	12'-4"	2A506B	22		2'-2"	8'-0"	2'-2"			1'-3"	1'-3"	1'-9"	1'-9"										
*	75	6	14'-7"	1A601	17		6'-0"	2'-7"	6'-0"									*	75	6	14'-7"	2A601	17		6'-0"	2'-7"	6'-0"																
	12	6	7'-1"	1A602	17		4'-6"	2'-7"	0'-0"										12	6	7'-1"	2A602	17		4'-6"	2'-7"	0'-0"																
*	15	8	4'-0"	1AE801	22		2'-0"	2'-0"	0'-0"				1'-5"	0'-0"	1'-5"	0'-0"		*	15	8	4'-0"	2AE801	22		2'-0"	2'-0"	0'-0"			1'-5"	0'-0"	1'-5"	0'-0"										
WINGWALL #1																	WINGWALL #3																										
▲	26	5	14'-7"	1W501	17		6'-9"	1'-1"	6'-9"									▲	24	5	14'-7"	3W501	17		6'-9"	1'-1"	6'-9"																
▲	13	5	24'-0"	1W502	17		11'-6"	1'-0"	11'-6"									▲	13	5	24'-0"	3W502	17		11'-6"	1'-0"	11'-6"																
	2	5	10'-0"	1W503A	22		2'-0"	6'-0"	2'-0"				1'-6"	1'-3"	1'-3"	1'-6"			2	5	10'-0"	3W503A	22		2'-0"	6'-0"	2'-0"			1'-6"	1'-3"	1'-3"	1'-6"										
	2	5	10'-0"	1W503B	22		2'-0"	6'-0"	2'-0"				1'-3"	1'-6"	1'-6"	1'-3"			2	5	10'-0"	3W503B	22		2'-0"	6'-0"	2'-0"			1'-3"	1'-6"	1'-6"	1'-3"										
WINGWALL #2																	WINGWALL #4																										
▲	24	5	13'-9"	2W501	17		6'-4"	1'-1"	6'-4"									▲	26	5	14'-7"	4W501	17		6'-9"	1'-1"	6'-9"																
▲	13	5	23'-0"	2W502	17		11'-0"	1'-0"	11'-0"									▲	13	5	24'-0"	4W502	17		11'-6"	1'-0"	11'-6"																
	2	5	10'-0"	2W503A	22		2'-0"	6'-0"	2'-0"				1'-6"	1'-3"	1'-3"	1'-6"			2	5	10'-0"	4W503A	22		2'-0"	6'-0"	2'-0"			1'-6"	1'-3"	1'-3"	1'-6"										
	2	5	10'-0"	2W503B	22		2'-0"	6'-0"	2'-0"				1'-3"	1'-6"	1'-6"	1'-3"			2	5	10'-0"	4W503B	22		2'-0"	6'-0"	2'-0"			1'-3"	1'-6"	1'-6"	1'-3"										

~ 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 M31 (ASTM A615-S). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
- FOR TYPICAL BENDING DETAILS, RECOMMENDED PN 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 N 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 INCHES ²	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: **Castleton**
PROJECT NUMBER: **RS 0142 (10)**
FILE NAME: sf193sub.dgn sf193rss.l PLOT DATE: 1/24/2007
PROJECT MANAGER: R. Whitcomb DRAWN BY: T. Lackey
DESIGNED BY: T. Lackey CHECKED BY: W. Lammer
REINFORCING STEEL SCHEDULE SHEET #1 SHEET 54 OF 68