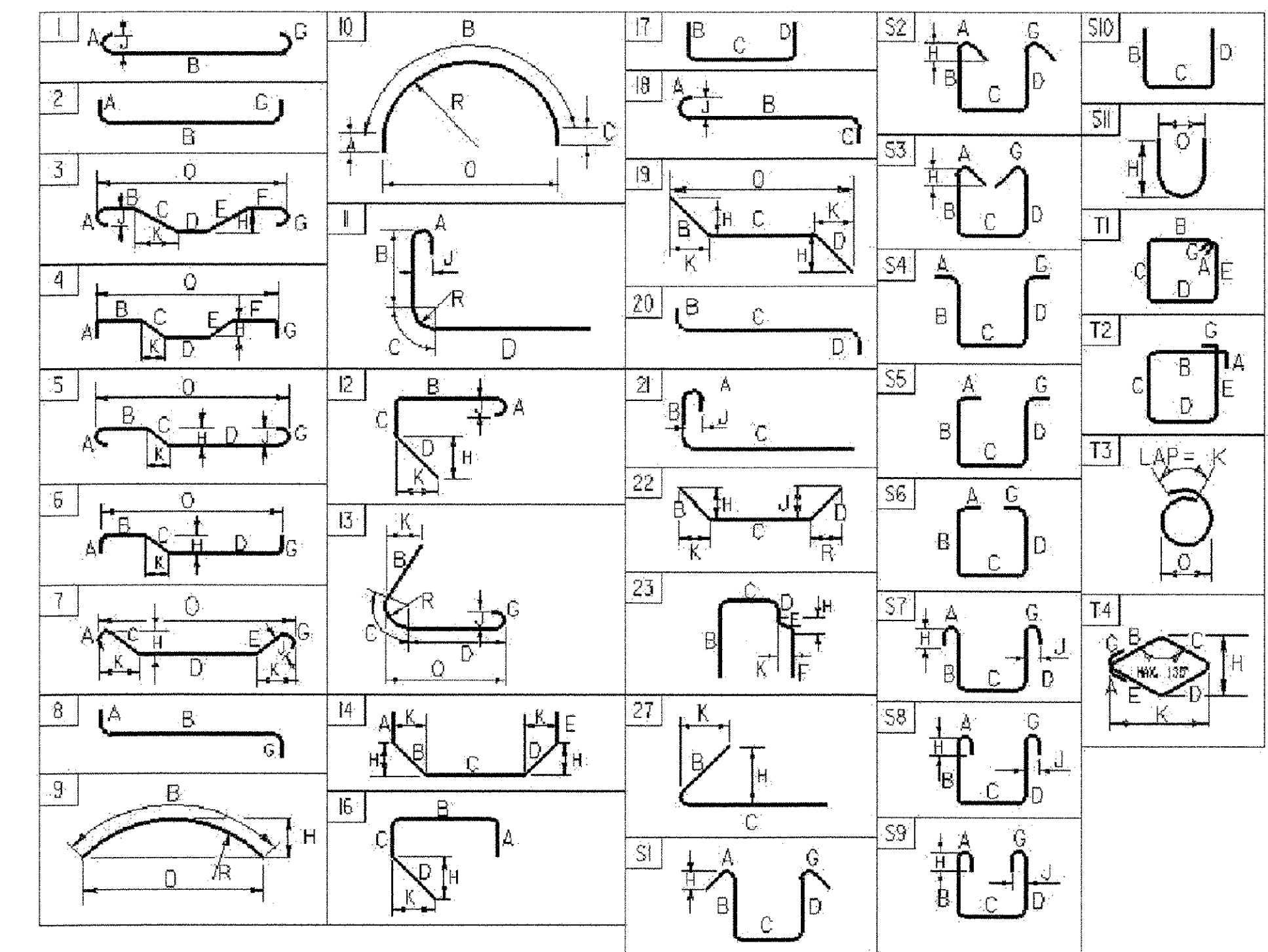


REINFORCING STEEL SCHEDULE

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																		WINGWALL #4																				
*	392	5	22'-6"	ES501	STR	22'-6"												* ▲	9	5	6'-7"	4W501	STR	6'-7"														
*	257	5	30'-4"	ES502	STR	30'-4"												▲	8	5	7'-4"	4W502	STR	6'-7"	6'-7"	0'-9"	---											
	232	5	5'-5"	ES503	S5	1'-6"	1'-1"	0'-6"	0'-10"									▲	6	5	6'-5"	4W503	STR	6'-5"														
	20	5	5'-4"	ES504	S5	2'-0"	0'-8"	2'-0"	0'-8"										▲	8	5	2'-3"	4W504	STR	2'-3"													
	20	5	4'-4"	ES505	S5	1'-6"	0'-8"	1'-6"	0'-8"										*	13	5	6'-5"	4W505	STR	6'-5"													
																				8	5	3'-9"	4W506	S10		1'-6"	0'-9"	1'-6"										
APPROACH SLAB #1																																						
*	22	5	21'-0"	1EAS501	STR	21'-0"																																
*	23	9	20'-9"	1EAS901	1	1'-3"	19'-6"																															
APPROACH SLAB #2																																						
*	22	5	21'-0"	2EAS501	STR	21'-0"																																
*	23	9	20'-9"	2EAS901	1	1'-3"	19'-6"																															
ABUTMENT #1																																						
*	38	5	4'-5"	1A501	STR	4'-5"																																
*	39	5	16'-6"	1A502	STR	16'-6"																																
▲	82	5	19'-4"	1A503	STR	19'-4"																																
	22	5	10'-7"	1A504A	16	2'-2"	3'-6"	1'-1"	3'-10"																													
	14	5	9'-2"	1A504B	16	2'-2"	2'-6"	2'-1"	2'-5"																													
	34	5	3'-6"	1A505	S10		1'-6"	0'-6"	1'-6"																													
	22	5	4'-0"	1A506	S10		1'-6"	1'-0"	1'-6"																													
▲	26	5	19'-4"	1A507	STR	19'-4"																																
▲	39	5	5'-6"	1A508	STR	5'-6"																																
▲	32	5	6'-8"	1A509	S10		2'-7"	1'-6"	2'-7"																													
*	9	5	11'-1"	1A510	STR	11'-1"																																
	46	5	21'-0"	1A511	STR	21'-0"																																
	8	5	4'-9"	1A512	STR	4'-9"																																
	6	5	6'-11"	1A513	20		3'-0"	1'-0"	2'-11"																													
	6	5	7'-5"	1A514	20		2'-0"	2'-0"	3'-5"																													
	42	5	6'-7"	1A515	17		---	4'-5"	2'-2"																													
	2	5	8'-1"	1A516	T3																																	
	36	6	5'-6"	1A601	17		4'-10"	0'-8"																														
▲	38	6	16'-6"	1A602	STR	16'-6"																																
*	71	7	13'-6"	1A701	STR	13'-6"																																
▲	14	8	2'-10"	1A801	19		1'-0"	1'-10"	---					0'-10"	0'-6"	2'-4"																						
*	39	9	14'-6"	1A901	17		---	6'-6"	8'-0"																													
*	37	9	12'-0"	1A902	STR	12'-0"																																
ABUTMENT #2																																						
▲	38	5	12'-2"	2A501	17		6'-7"	5'-7"	---																													
▲	38	5	8'-1"	2A502	17		2'-6"	5'-7"	---																													
▲	32	5	19'-4"	2A503	STR	19'-4"																																
	38	5	4'-9"	2A504	S10		1'-6"	1'-9"	1'-6"																													
	22	5	3'-9"	2A505A	S10		1'-6"	0'-9"	1'-6"																													
	8	5	3'-11"	2A505B	S10		1'-6"	0'-11"	1'-6"																													
*	▲	27	5	19'-4"	2A506	STR	19'-4"																															
▲	21	5	3'-8"	2A507	S10		1'-1"	1'-8"	1'-1"																													
	8	5	11'-1"	2A508	STR	11'-1"																																
*	▲	39	5	5'-5"	2A509	STR	5'-5"																															
	16	5	6'-7"	2A515	17		0'-0"	4'-5"	2'-2"																													
	2	5	8'-1"	2A516	T3																																	
▲	14	8	2'-10"	2A801	19		1'-0"	1'-10"	---					0'-10"	0'-6"	2'-4"																						
WINGWALL #2																																						
*	20	5	14'-6"	2W501	STR	14'-6"																																
	8	5	4'-5"	2W502	STR	4'-5"																																
*	▲	9	5	20'-4"	2W503	STR	20'-4"																															
▲	44	5	7'-6"	2W504	STR	7'-6"																																
	8	5	4'-6"	2W505	S10		1'-6"	1'-6"	1'-6"																													
▲	10	6	10'-7"	2W601	STR	10'-7"																																
*	15	9	12'-0"	2W901	STR	12'-0"																																
	8	9	9'-3"	2W902	17		8'-0"	1'-3"	---																													
*	9	9	16'-0"	2W903	STR	16'-0"																																
▲	10	10	17'-4"	2W1001	17		12'-7"	4'-9"	---																													

~ 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 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.
- 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 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.	