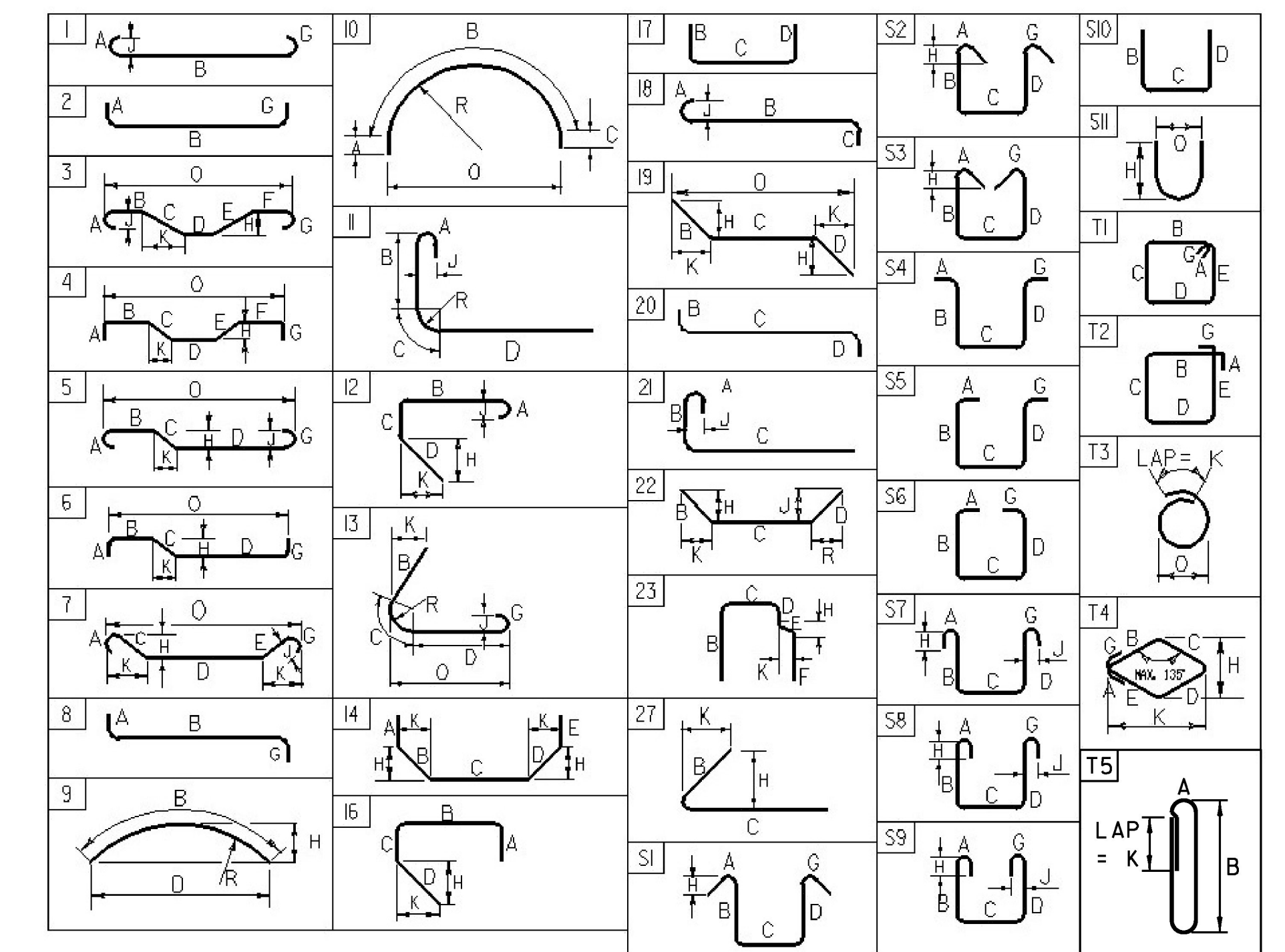


REINFORCING STEEL SCHEDULE

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 NO. 1																	
	563	5	38'-8"	S501.2	STR														22	5	19'-7"	1W501	STR												
*	561	5	33'-2"	S502.2	STR														20	5	4'-8"	1W502	STR												
*	729	5	37'-1"	S503.2	STR													*▲	20	5	29'-8"	1W503	STR												
	4	5	6'-5"	S507.2	STR													*▲	63	5	18'-9"	1W504	STR												
	280	5	9'-10"	S504.2	S5	0'-10"	1'-2"	6'-0"	1'-0"										198	5	4'-2"	1W505	S3	0'-8"	---	2'-8"	0'-10"		---	0'-6"					
	748	5	3'-2"	S505.2	S5	---	0'-11"	0'-6"	0'-11"										13	5	6'-11"	1W506	17			2'-2"	2'-7"	2'-2"							
	32	5	5'-1"	S506.2	S5	0'-10"	0'-11"	1'-7"	0'-11"										2	5	12'-8"	1W507	19			0'-9"	11'-11"	---		0'-2"	0'-8"				
*	1121	6	5'-5"	S601.2	STR														54	5	8'-3"	1W508	19			2'-2"	6'-1"	---		1'-1"	1'-10"				
*	94	6	35'-4"	S602.2	STR														23	5	4'-4"	1W509	19			2'-2"	2'-2"	---		1'-1"	1'-10"				
																			8	5	6'-2"	1W510	19			3'-1"	3'-1"	---		1'-7"	2'-8"				
																		*▲	40	6	9'-6"	1W601	STR												
APPROACH SLAB NO. 1																			39	7	9'-6"	1W701	STR												
*	22	5	30'-8"	1A501	STR													▲	18	7	19'-5"	1W702	STR												
▲	19	5	17'-4"	1A502	STR														37	10	22'-5"	1W1001	17		16'-4"	6'-1"	---								
▲	3	5	9'-0"	1A503	STR													WINGWALL NO. 2																	
▲	2	5	22'-7"	1A504	STR														22	5	25'-2"	2W501	STR												
*	38	9	20'-9"	1A501	1	1'-3"	19'-6"												25	5	4'-8"	2W502	STR												
▲	16	9	17'-5"	1A502	1	1'-3"	16'-2"											▲	25	5	29'-0"	2W503	STR												
																		▲	60	5	18'-7"	2W504	STR												
APPROACH SLAB NO. 2																			253	5	4'-2"	2W505	S3	0'-8"	---	2'-8"	0'-10"		---	0'-6"					
*	22	5	30'-10"	2A501	STR														20	5	6'-11"	2W506	17			2'-2"	2'-7"	2'-2"							
*	38	9	20'-9"	2A501	1	1'-3"	19'-6"												2	5	19'-5"	2W507	19			0'-9"	18'-8"	---		0'-1"	0'-9"				
																			23	5	9'-2"	2W508	19			4'-7"	4'-7"	---		3'-3"	3'-3"				
ABUTMENT NO. 1																			23	5	11'-11"	2W509	19			2'-2"	9'-9"	---			1'-6"	1'-6"			
	44	5	25'-8"	1A501	STR														23	5	10'-0"	2W510	19			5'-0"	5'-0"	---		3'-6"	3'-6"				
	48	5	4'-8"	1A502	STR														7	5	5'-8"	2W511	19			2'-10"	2'-10"	---		2'-0"	2'-0"				
	48	5	21'-10"	1A503	STR														7	5	7'-8"	2W512	19			2'-2"	5'-6"	---		1'-6"	1'-6"				
	46	5	29'-7"	1A504A	STR														51	6	9'-6"	2W601	STR												
*	47	5	19'-5"	1A504B	STR													*▲	52	7	9'-6"	2W701	STR												
▲	6	5	29'-5"	1A508A	STR													▲	23	7	18'-10"	2W702	STR												
▲	6	5	20'-6"	1A508B	STR													*▲	47	10	22'-5"	2W1001	17		16'-4"	6'-1"	---								
	3	5	7'-11"	1A508C	STR																														
	3	5	13'-3"	1A508D	STR																														
	495	5	4'-2"	1A505	S3	0'-8"	---	2'-8"	0'-10"									ABUTMENT NO. 2																	
	32	5	11'-8"	1A506	16	2'-2"	4'-10"	1'-2"	3'-6"									*▲	65	5	24'-7"	2A501.2	STR												
	16	5	10'-3"	1A507	16	2'-2"	3'-10"	2'-2"	2'-1"									▲	8	5	3'-8"	2A502.2	STR												
																			40	5	7'-5"	2A503.2	17			2'-2"	3'-1"	2'-2"							
*	100	6	9'-6"	1A601	STR														8	5	12'-5"	2A504.2	17			4'-8"	3'-1"	4'-8"							
*	100	7	9'-6"	1A701	STR														32	5	5'-2"	2A505.2	1	0'-7"		4'-0"				0'-7"	0'-5"				
	45	7	12'-7"	1A702	STR														40	5	7'-2"	2A506.2	19			2'-2"	5'-0"	---		1'-6"	1'-6"				
*	91	10	21'-5"	1A1001	17		15'-4"	6'-1"	---										14	6	9'-5"	2A601.2	27			2'-7"	6'-10"			2'-6"	0'-8"				
	56	5	4'-4"	1A510.2	STR														14	6	10'-7"	2A602.2	19			2'-7"	8'-0"	---		2'-6"	0'-8"				
▲	15	5	32'-7"	1A511A.2	STR													△	50	7	15'-6"	2A701.2	17			12'-5"	3'-1"	---							
▲	15	5	24'-7"	1A511B.2	STR													*▲	88	8	15'-6"	2A801.2	17			12'-5"	3'-1"	---							
	6	5	11'-1"	1A511C.2	STR																														
	6	5	17'-4"	1A511D.2	STR																														
*	4	5	6'-9"	1A514.2	STR													WINGWALL NO. 3																	
*	5	5	7'-7"	1A515.2	STR														▲	16	5	17'-3"	3W501.2	STR											
	2	5	14'-4"	1A516.2	STR														▲	33	5	16'-2"	3W502.2	S3	0'-8"	---	14'-10"	---		0'-8"	0'-6"				
																			▲	36	5	3'-1"	3W503.2	S3	0'-8"	---	1'-7"	0'-10"		---	0'-6"				
	32	5	5'-9"	1A509.2	19		2'-2"	3'-7"	---										▲	16	5	4'-4"	3W504.2	27			2'-2"	2'-2"			2'-1"	0'-7"			
	32	5	15'-2"	1A512.2	23		6'-8"	0'-10"	1'-5"	1'-0"	5'-3"								▲	2	5	17'-6"	3W505.2	22			2'-2"	13'-2"	2'-2"		1'-10"	1'-2"	1'-2"	1'-10"	
	18	5	6'-9"	1A513.2	19		2'-2"	4'-7"	---									*▲	31	8	17'-1"	3W801.2	STR												
	6	5	14'-4"	1A517.2	17		6'-9"	0'-10"	6'-9"									WINGWALL NO. 4																	
	12	5	15'-6"	1A518.2	17		7'-4"	0'-10"	7'-4"										▲	17	5	14'-7"	4W501.2	STR											
	17	8	3'-6"	1A801.2	19		1'-6"	2'-0"	---										▲	29	5	15'-7"	4W502.2	S3	0'-8"	---	14'-3"	---		0'-8"	0'-6"				
																			▲	32	5	3'-1"	4W503.2	S3	0'-8"	---	1'-7"	0'-10"		---	0'-6"				
																			▲	16	5	4'-4"	4W504.2	19			2'-2"	2'-2"	---		2'-1"	0'-7"			
																			▲	2	5	15'-11"	4W505.2	22			2'-2"	11'-7"	2'-2"		1'-3"	1'-9"	1'-9"	1'-3"	
																		△	▲	18	9	14'-7"	4W901.2	STR											

~ 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	Yield Strength (ksi)	Tensile Strength (ksi)	Elongation (%)	Weight (lb/ft)
#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	2.04	0.875	0.60	2.749
#8	2.670	1.000	0.79	3.14
#9	3.400	1.13	1.00	3.54
#10	4.3	1.270	1.27	3.990
#11	5.31	1.410	1.56	4.430
#14	7.65	1.69	2.25	5.32
#18	13.60	2.26	4.00	7.09