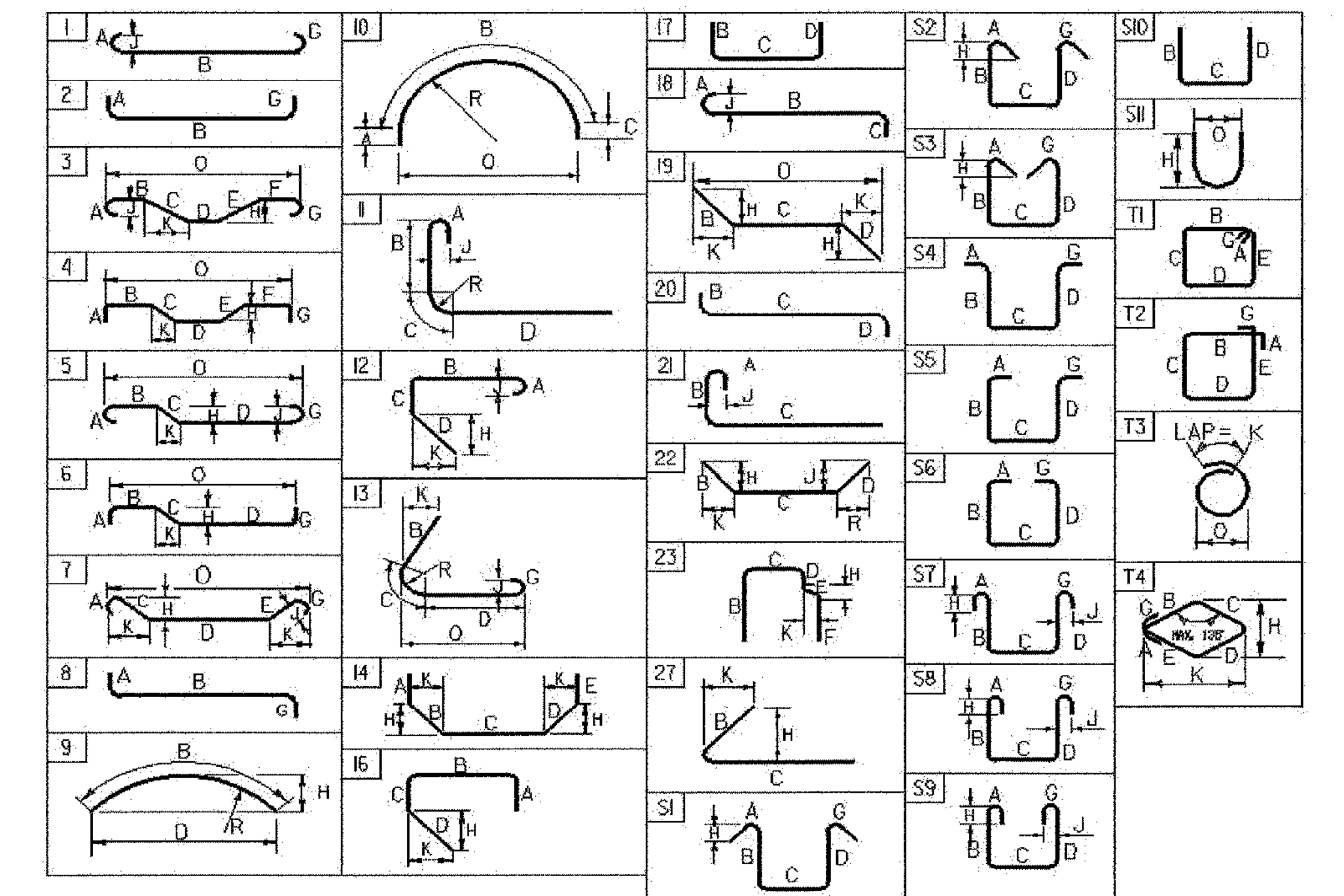


REINFORCING STEEL SCHEDULE

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			
ABUTMENT #2																	WINGWALL #4																				
48	5	26'-3"	2A501	STR													13	5	25'-11"	4W501	STR																
59	5	5'-2"	2A502	STR													23	5	5'-5"	4W502	STR																
18	5	17'-3"	2A503	STR													▲	23	5	16'-8"	4W503	STR															
▲	30	5	16'-6"	2A504	STR												30	5	22'-2"	4W504	STR																
9	5	14'-3"	2A505	STR													23	5	7'-4"	4W505	STR		2'-2"	3'-0"	2'-2"												
18	5	8'-1"	2A506	STR													18	5	3'-5"	4W506	STR																
▲	50	5	33'-10"	2A507	STR												▲	38	5	8'-3"	4W507	STR															
NOT USED 2A508																																					
18	5	13'-0"	2A509	STR													20	5	5'-6"	4W508	STR		2'-0"	1'-6"	2'-0"												
30	5	7'-7"	2A510	STR													▲	20	5	20'-0"	4W509	STR															
48	5	9'-3"	2A511	STR		2'-2"	4'-11"	2'-2"									2	5	9'-1"	4W510	STR																
▲	20	5	9'-9"	2A512	STR)	15	6	12'-0"	4W601	STR															
▲	43	5	11'-7"	2A513	S10	7'-10"	0'-9"	3'-0"																													
NOT USED 2A514																																					
7	5	6'-1"	2A515	STR		2'-2"	1'-9"	2'-2"									18	8	18'-9"	4W801	2	5'-6"	13'-3"														
NOT USED 2A516																																					
▲	43	5	10'-9"	2A517	STR		6'-10"	1'-9"	2'-2"								18	8	15'-3"	4W802	2	2'-0"	13'-3"														
23	5	5'-2"	E2A518	16	---	---	---	2'-5"	2'-9"			2'-0"		2'-0"			18	8	9'-1"	4W803	STR																
2	5	33'-10"	2A519	STR																																	
18	5	9'-6"	2A520	STR				7'-4"	2'-2"			1'-6"		1'-7"																							
18	5	5'-8"	2A521	STR				2'-10"	2'-10"			1'-11"		2'-0"																							
18	5	12'-11"	2A522	STR																																	
NOT USED 2A523																																					
NOT USED 2A524																																					
44	5	5'-0"	2A525	STR				2'-6"	2'-6"																												
5	5	8'-4"	2A526	STR																																	
14	5	11'-0"	2A527	STR																																	
14	5	7'-7"	2A528	STR																																	
6	5	4'-10"	2A529	STR																																	
17	5	8'-6"	2A530	STR																																	
2	5	6'-3"	2A531	STR																																	
2	5	4'-9"	2A532	STR																																	
3	5	3'-3"	2A533	STR				1'-1"	2'-2"																												
NOT USED 2A534																																					
NOT USED 2A535																																					
NOT USED 2A536																																					
NOT USED 2A537																																					
53	5	3'-5"	2A538	STR																																	
3	5	4'-2"	2A539	STR																																	
4	5	5'-6"	2A540	STR		2'-0"		1'-6"	2'-0"																												
10	5	4'-4"	2A541	STR								1'-6"		1'-7"																							
10	5	6'-10"	2A542	STR																																	
10	5	5'-4"	2A543	STR																																	
37	6	14'-2"	2A601	STR																																	
▲	29	8	26'-3"	2A801	STR																																
▲	49	8	23'-5"	2A802	2	---	7'-8"	15'-9"																													
53	8	17'-9"	2A803	2	---	2'-0"	15'-9"																														
73	8	14'-2"	2A804	STR																																	
46	8	12'-0"	2A805	STR																																	
)	5	8	9'-5"	2A806	STR																																
WINGWALL #3																																					
)	26	5	33'-1"	3W501	STR																																
)	26	5	5'-5"	3W502	STR																																
)	24	5	19'-9"	3W503	STR																																
)	36	5	23'-0"	3W504	STR																																
)	24	5	7'-4"	3W505	STR		2'-2"	3'-0"	2'-2"																												
)	24	5	3'-5"	3W506	STR																																
▲	48	5	8'-6"	3W507	STR																																
▲	24	5	5'-6"	3W508	STR		2'-0"	1'-6"	2'-0"																												
▲	18	5	23'-0"	3W509	STR																																
2	5	23'-0"	3W510	STR																																	
34	6	12'-0"	3W601	STR																																	
)	26	8	18'-9"	3W801	2	5'-6"	13'-3"																														
)	23	8	15'-3"	3W802	2	2'-0"	13'-3"																														
)	24	8	12'-2"	3W803	STR																																
)	69	9	12'-0"	3W901	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 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