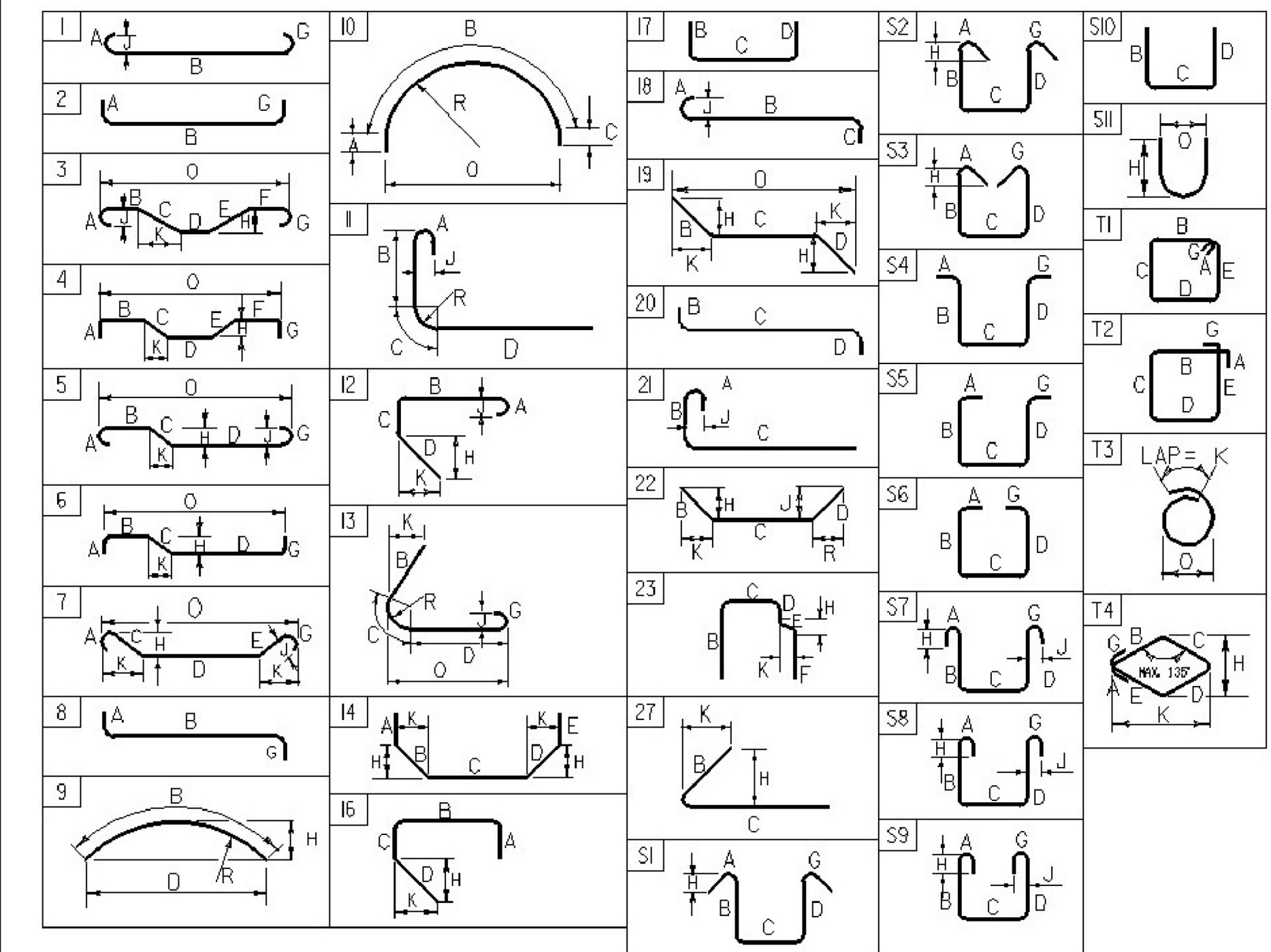


REINFORCING STEEL SCHEDULE

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																											
PIER #1																																																														
▲	8	19	11790	1P1901	STR	11790																																																								
	6	19	6754	1P1902	22		1540	5214	---				620	---	1405	---																																														
	6	19	6728	1P1903	22		1545	5183	---				375	---	1500	---																																														
*	73	19	3410	1P1904	T3																																																									
	58	19	5000	1P1905	T3																																																									
▲	24	19	3885	1P1906	17		305	3580																																																						
							SEE DIMENSIONS ON 'PIER FOOTING & PILES' SHEET																																																							
	15	19	3801	1P1907A	S3	205	1293	805	1293					205	130																																															
	18	19	5017	1P1908A	S3	205	1901	805	1901					205	130																																															
	6	19	5515	1P1909A	S3	205	2150	805	2150					205	130																																															
	33	19	5779	1P1910A	S3	205	2282	805	2282					205	130																																															
	27	19	6897	1P1911A	S3	205	2841	805	2841					205	130																																															
	30	19	6355	1P1912A	S3	204	2615	805	2615					205	130																																															
	27	19	5717	1P1913A	S3	205	2251	805	2251					205	130																																															
	18	19	4767	1P1914A	S3	205	1776	805	1776					205	130																																															
	15	19	4009	1P1915A	S3	205	1397	805	1397					205	130																																															
*	169	19	1315	1P1916	S3	205	---	805	305					---	265																																															
	58	19	2660	1P1917	S3	205	---	2150	305					---	265																																															
	10	19	3640	1P1918	S11									1450																																																
▲	10	19	1280	1P1919	STR	1280																																																								
△	90	25	1280	1P2501	17		405	6500	405																																																					
△	66	32	7310	1P3201	STR	2520																																																								
*	89	36	7720	1P3601	17		610	6500	610																																																					
*	73	36	7720	1P3602	17		610	4685	---																																																					
	2	36	5295	1P3603	17		550	9780	550																																																					
	10	36	10880	1P3604	STR	9827																																																								
	8	36	9827	1P3605	17		550	9780	550																																																					
	8	36	10880	1P3606	STR	9827																																																								
PIER #2																																																														
▲	8	19	11790	2P1901	STR	11790																																																								
▲	10	19	1280	2P1919	STR	1280																																																								
	6	19	6754	2P1902	22		1540	5214	---				620	---	1405	---																																														
*	7	19	6728	2P1903	22		1545	5183	---				330	---	1300	---																																														
	228	19	3410	2P1904	T3																																																									
	92	19	5000	2P1905	T3																																																									
▲	24	19	3885	2P1906	17		305	3580																																																						
							SEE DIMENSIONS ON 'PIER FOOTING & PILES' SHEET																																																							
	15	19	3801	2P1907A	S3	205	1293	805	1293					205	130																																															
	18	19	5017	2P1908A	S3	205	1901	805	1901					205	130																																															
	6	19	5515	2P1909A	S3	205	2150	805	2150					205	130																																															
	33	19	5779	2P1910A	S3	205	2282	805	2282					205	130																																															
	27	19	6897	2P1911A	S3	205	2841	805	2841					205	130																																															
	30	19	6445	2P1912A	S3	205	2615	805	2615					205	130																																															
	27	19	5717	2P1913A	S3	205	2251	805	2251					205	130																																															
	18	19	4767	2P1914A	S3	205	1776	805	1776					205	130																																															
	15	19	4009	2P1915A	S3	205	1397	805	1397					205	130																																															
*	169	19	1315	2P1916	S3	205	---	805	305					---	265																																															
	92	19	2660	2P1917	S3	205	---	2150	305					---	265																																															
	10	19	3640	2P1918	S11									1450																																																
▲	10	19	1280	2P1919	STR	1280																																																								
△	90	25	7310	2P2501	17		405	6500	405																																																					
△	130	32	8270	2P3201	STR	8270																																																								
	88	36	7720	2P3601	17		610	6500	610																																																					
	104	36	7870	2P3602	17		610	7260	---																																																					
*	3	36	10880	2P3603	17		550	9780	550																																																					
	10	36	9827	2P3604	STR	9827																																																								
	8	36	10880	2P3605	17		550	9780	550																																																					
*	9	36	9827	2P3606	STR	9827																																																								

~ NOTES ~

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-S). ALL BARS SHALL BE GRADE 420, 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 DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE	NOMINAL MASS (kg/m)	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER (mm)	CROSS SECTIONAL AREA (mm²)	PERIMETER (mm)
#10	0.560	9.5	71	29.84
#13	0.994	12.7	129	39.90
#16	1.552	15.9	199	49.95
#19	2.235	19.1	284	60.00
#22	3.042	22.2	387	69.74
#				