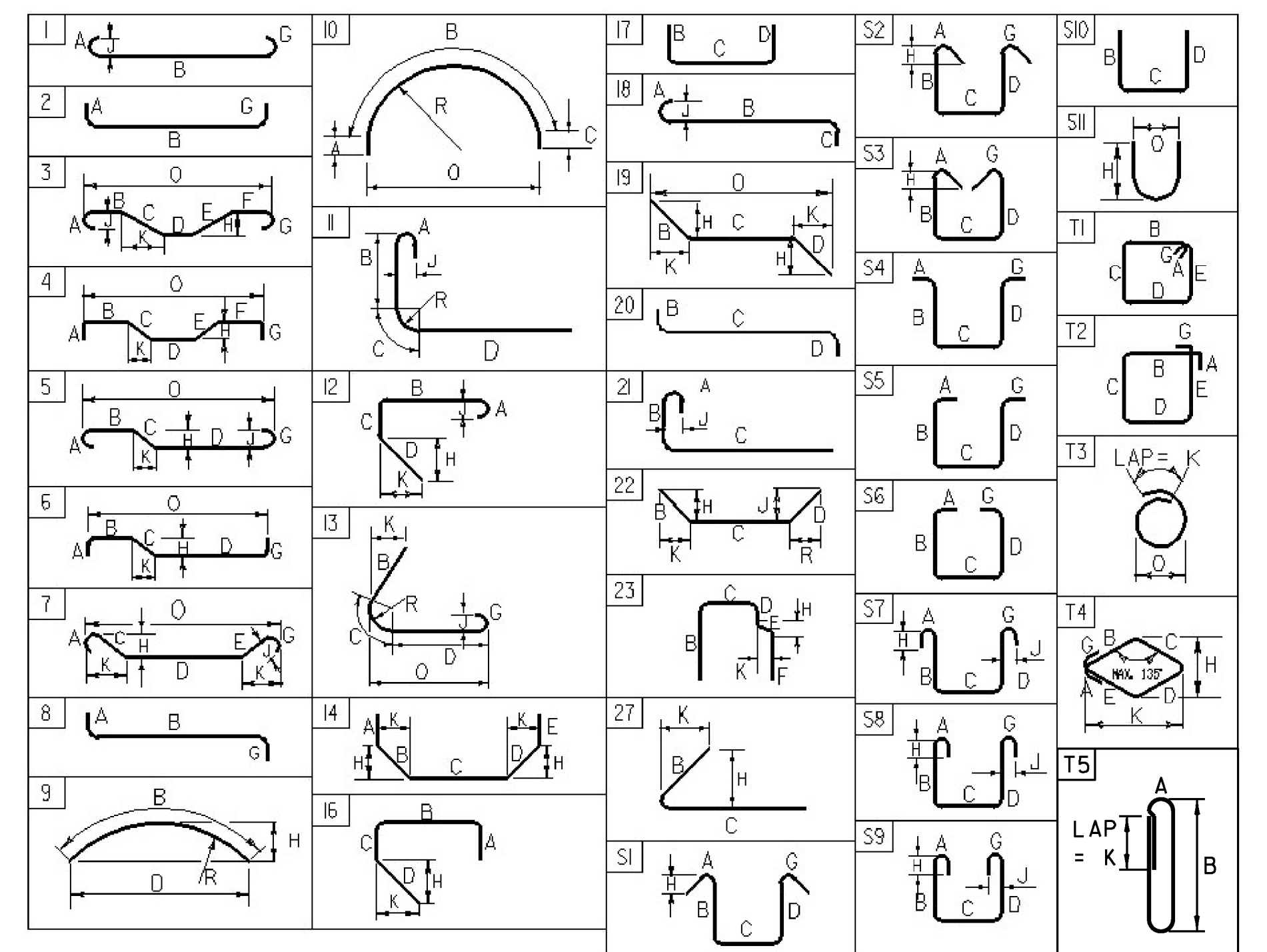


REINFORCING STEEL SCHEDULE

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																																								
* ▲	29	6	28'- 6"	P601	STR																																			
*	39	6	29'- 6"	P602	STR																																			
▲	12	6	3'- 7"	P603	STR																																			
▲	22	6	21'- 3"	P604	19		5'- 3"	16'- 0"	---				2'- 2"			4'- 9"																								
	26	6	17'- 6"	P605	10	2'- 7"	12'- 4"	2'- 7"																																
	96	6	24'- 4"	P606	S3	0'- 11"	9'- 2"	4'- 2"	9'- 2"			0'- 11"	0'- 7"				3'- 6"	7'- 2"																						
	8	6	24'- 2"	P607	S3	0'- 11"	9'- 1"	4'- 2"	9'- 1"			0'- 11"	0'- 7"																											
	8	6	23'- 10"	P608	S3	0'- 11"	8'- 11"	4'- 2"	8'- 11"			0'- 11"	0'- 7"																											
	8	6	23'- 6"	P609	S3	0'- 11"	8'- 9"	4'- 2"	8'- 9"			0'- 11"	0'- 7"																											
	8	6	23'- 2"	P610	S3	0'- 11"	8'- 7"	4'- 2"	8'- 7"			0'- 11"	0'- 7"																											
	8	6	22'- 10"	P611	S3	0'- 11"	8'- 5"	4'- 2"	8'- 5"			0'- 11"	0'- 7"																											
	8	6	22'- 6"	P612	S3	0'- 11"	8'- 3"	4'- 2"	8'- 3"			0'- 11"	0'- 7"																											
	8	6	22'- 4"	P613	S3	0'- 11"	8'- 2"	4'- 2"	8'- 2"			0'- 11"	0'- 7"																											
	8	6	22'- 0"	P614	S3	0'- 11"	8'- 0"	4'- 2"	8'- 0"			0'- 11"	0'- 7"																											
	8	6	21'- 8"	P615	S3	0'- 11"	7'- 10"	4'- 2"	7'- 10"			0'- 11"	0'- 7"																											
	8	6	21'- 4"	P616	S3	0'- 11"	7'- 8"	4'- 2"	7'- 8"			0'- 11"	0'- 7"																											
	8	6	21'- 0"	P617	S3	0'- 11"	7'- 6"	4'- 2"	7'- 6"			0'- 11"	0'- 7"																											
	8	6	20'- 8"	P618	S3	0'- 11"	7'- 4"	4'- 2"	7'- 4"			0'- 11"	0'- 7"																											
	8	6	20'- 6"	P619	S3	0'- 11"	7'- 3"	4'- 2"	7'- 3"			0'- 11"	0'- 7"																											
	8	6	20'- 2"	P620	S3	0'- 11"	7'- 1"	4'- 2"	7'- 1"			0'- 11"	0'- 7"																											
	8	6	19'- 10"	P621	S3	0'- 11"	6'- 11"	4'- 2"	6'- 11"			0'- 11"	0'- 7"																											
	8	6	19'- 6"	P622	S3	0'- 11"	6'- 9"	4'- 2"	6'- 9"			0'- 11"	0'- 7"																											
	8	6	19'- 2"	P623	S3	0'- 11"	6'- 7"	4'- 2"	6'- 7"			0'- 11"	0'- 7"																											
	8	6	18'- 10"	P624	S3	0'- 11"	6'- 5"	4'- 2"	6'- 5"			0'- 11"	0'- 7"																											
	8	6	18'- 6"	P625	S3	0'- 11"	6'- 3"	4'- 2"	6'- 3"			0'- 11"	0'- 7"																											
	8	6	18'- 4"	P626	S3	0'- 11"	6'- 2"	4'- 2"	6'- 2"			0'- 11"	0'- 7"																											
	8	6	18'- 0"	P627	S3	0'- 11"	6'- 0"	4'- 2"	6'- 0"			0'- 11"	0'- 7"																											
	8	6	17'- 8"	P628	S3	0'- 11"	5'- 10"	4'- 2"	5'- 10"			0'- 11"	0'- 7"																											
	8	6	17'- 4"	P629	S3	0'- 11"	5'- 8"	4'- 2"	5'- 8"			0'- 11"	0'- 7"																											
	8	6	17'- 0"	P630	S3	0'- 11"	5'- 6"	4'- 2"	5'- 6"			0'- 11"	0'- 7"																											
	8	6	16'- 8"	P631	S3	0'- 11"	5'- 4"	4'- 2"	5'- 4"			0'- 11"	0'- 7"																											
	8	6	16'- 0"	P632	S3	0'- 11"	5'- 0"	4'- 2"	5'- 0"			0'- 11"	0'- 7"																											
	8	6	15'- 8"	P633	S3	0'- 11"	4'- 10"	4'- 2"	4'- 10"			0'- 11"	0'- 7"																											
	8	6	15'- 4"	P634	S3	0'- 11"	4'- 8"	4'- 2"	4'- 8"			0'- 11"	0'- 7"																											
	8	6	15'- 0"	P635	S3	0'- 11"	4'- 6"	4'- 2"	4'- 6"			0'- 11"	0'- 7"																											
	8	6	14'- 8"	P636	S3	0'- 11"	4'- 4"	4'- 2"	4'- 4"			0'- 11"	0'- 7"																											
	8	6	14'- 6"	P637	S3	0'- 11"	4'- 3"	4'- 2"	4'- 3"			0'- 11"	0'- 7"																											
	8	6	14'- 2"	P638	S3	0'- 11"	4'- 1"	4'- 2"	4'- 1"			0'- 11"	0'- 7"																											
	352	6	6'- 1"	P639	S3	0'- 11"	---	4'- 2"	1'- 0"			---	0'- 7"																											
*	2	11	35'- 0"	P1101	17		2'- 0"	31'- 0"	2'- 0"																															
	3	11	37'- 8"	P1102	17		2'- 0"	33'- 8"	2'- 0"																															
	2	11	38'- 11"	P1103	17		2'- 0"	34'- 11"	2'- 0"																															
	2	11	39'- 9"	P1104	17		2'- 0"	35'- 9"	2'- 0"																															
	2	11	40'- 4"	P1105	17		2'- 0"	36'- 4"	2'- 0"																															
	2	11	40'- 8"	P1106	17		2'- 0"	36'- 8"	2'- 0"																															
	2	11	40'- 10"	P1107	17		2'- 0"	36'- 10"	2'- 0"																															
*	15	11	28'- 9"	P1108	17		2'- 0"	24'- 9"	2'- 0"																															
[THE FOLLOWING BARS INCLUDED IN THE UNIT BID PRICE FOR ITEM 900.640, SPECIAL PROVISION (DRILLED SHAFT IN EARTH)(8 FT)]																																								
	1	6	1099'- 8"	P640	T3												7'- 4"																							
△	98	10	26'- 0"	P1001	STR																																			
BRIDGE RAILING [INCLUDED IN THE UNIT BID PRICE FOR ITEM 900.640, SPECIAL PROVISION (BRIDGE RAILING, TEXAS)]																																								
	128	5	37'- 0"	R501.2	STR																																			
	748	5	3'- 9"	R502.2	T5	0'- 6"	3'- 3"									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 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		