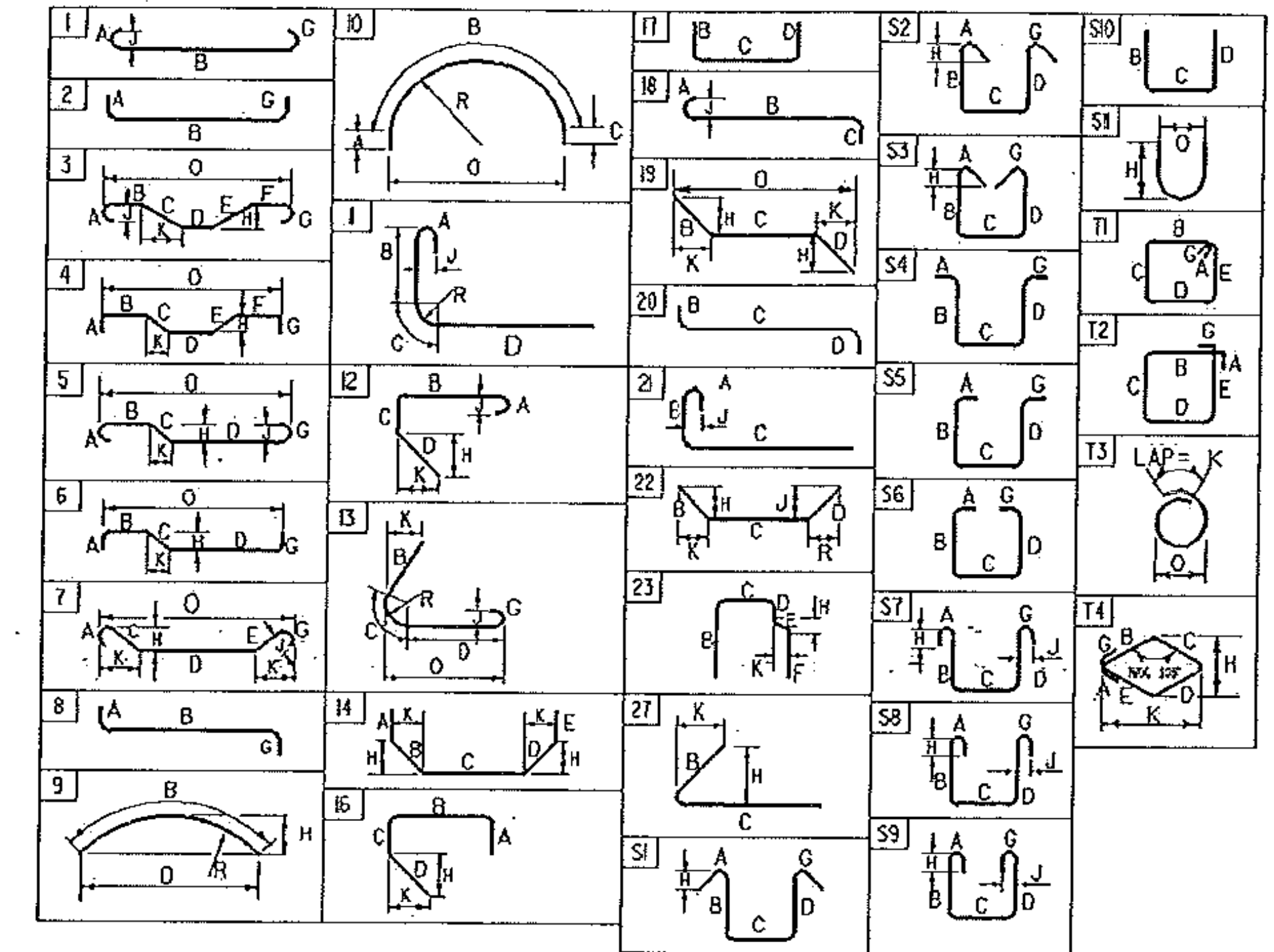


REINFORCING STEEL SCHEDULE

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
BRIDGE 14N & BRIDGE 14S																																			
224	5	3'-3"	S501	S5	0'-10"	0'-8"	0'-10"	0'-5"				0'-10"																							
224	5	3'-3"	S501	S5	0'-8"	1'-4"	0'-7"	1'-4"																											
*	64	5	20'-0"	S502	STR																														
128	5	6'-1"	S503	S5	0'-10"	1'-3"	1'-11"	1'-3"				0'-10"																							
64	5	1'-6"	S504	STR																															
BRIDGE 16N & BRIDGE 16S																																			
48	5	12'-0"	S505	STR																															
570	5	17'-0"	S506	STR																															
228	5	6'-0"	S507	STR																															
276	5	8'-1"	S508	S5	0'-10"	1'-3"	1'-11"	1'-3"																											
408	6	12'-0"	S601	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 M31 (ASTM A615-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 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

REVISION	DATE	DESCRIPTION
1	02/01/11	LOCATION OF PROPOSED DIAPHRAGM RELOCATED AWAY FROM EXISTING CONCRETE DIAPHRAGM IN ORDER TO FACILITATE INSTALLATION.

PROJECT NAME: PUTNEY
PROJECT NUMBER: IM 091-1(60)

FILE NAME: PLOT DATE: 6/7/2010
PROJECT MANAGER: G. BOGUE DRAWN BY: J. SOTER
DESIGNED BY: T. KNIGHT CHECKED BY: G. BOGUE
REINFORCING STEEL SCHEDULE SHEET SHEET 14R OF 45