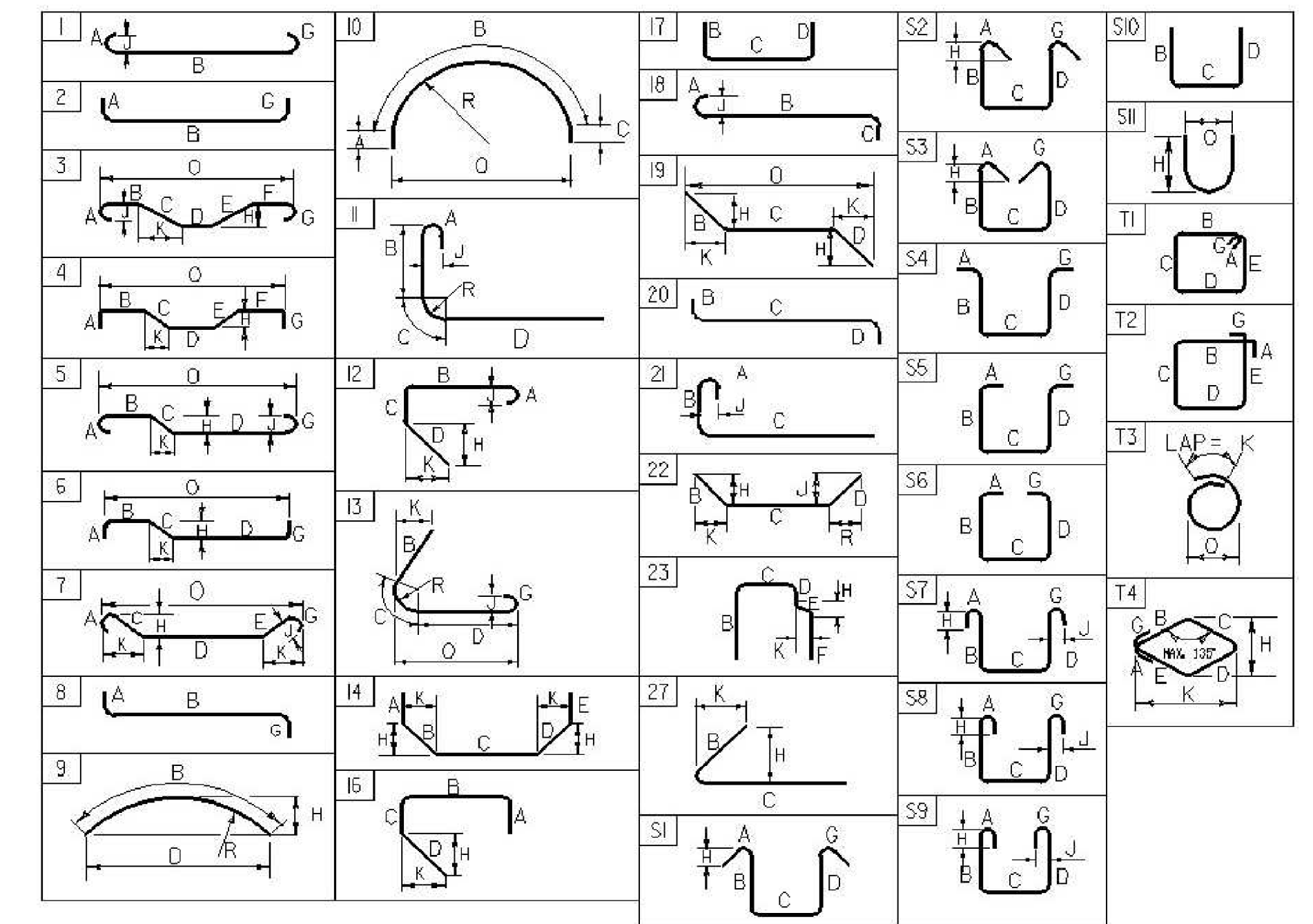


REINFORCING STEEL SCHEDULE

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																																			
*	110	5	27'-0"	ES501	STR																														
	78	5	26'-6"	ES502	STR																														
	156	5	4'-4"	ES503	S5	0'-10"	1'-0"	0'-8"	1'-0"			0'-10"																							
ABUTMENT NO. 1																																			
	6	5	26'-11"	1A501	STR																														
	56	5	2'-6"	1A502	2	1'-0"	1'-6"																												
ABUTMENT NO. 2																																			
*	12	5	26'-6"	2A501	STR																														
	6	5	36'-6"	2A502	STR																														
	28	5	16'-2"	2A503	T2	2'-2"	2'-6"	4'-6"	2'-6"	4'-6"																									
WINGWALL NO. 1																																			
*	7	5	4'-4"	1W501	22		3'-5"	0'-11"					1'-11"		2'-10"																				
	4	5	2'-11"	1W502	2	1'-0"	1'-11"																												
WINGWALL NO. 2																																			
*	7	5	4'-4"	2W501	22		3'-5"	0'-11"					1'-11"		2'-10"																				
	4	5	2'-11"	2W502	2	1'-0"	1'-11"																												
WINGWALL NO. 3																																			
* ▲	8	5	4'-6"	3W501	STR																														
	12	5	10'-9"	3W502	2	5'-0"	1'-0"					4'-9"																							
	6	5	7'-0"	3W503	STR																														
WINGWALL NO. 4																																			
* ▲	8	5	4'-6"	4W501	STR																														
	12	5	10'-9"	4W502	2	5'-0"	1'-0"					4'-9"																							
	6	5	7'-0"	4W503	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 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

PROJECT NAME: **MOSCOW ROAD OVER MILLER BROOK**
PROJECT NUMBER: **BHO 1446 (30)**
FILE NAME: **z99j244.xls** PLOT DATE: **10/22/2009**
PROJECT MANAGER: **J.W. TUCKER** DRAWN BY: **B.C. AUSTIN**
DESIGNED BY: **B.C. AUSTIN** CHECKED BY: **J.W. TUCKER**
REINFORCING STEEL SCHEDULE SHEET **30** OF **37**