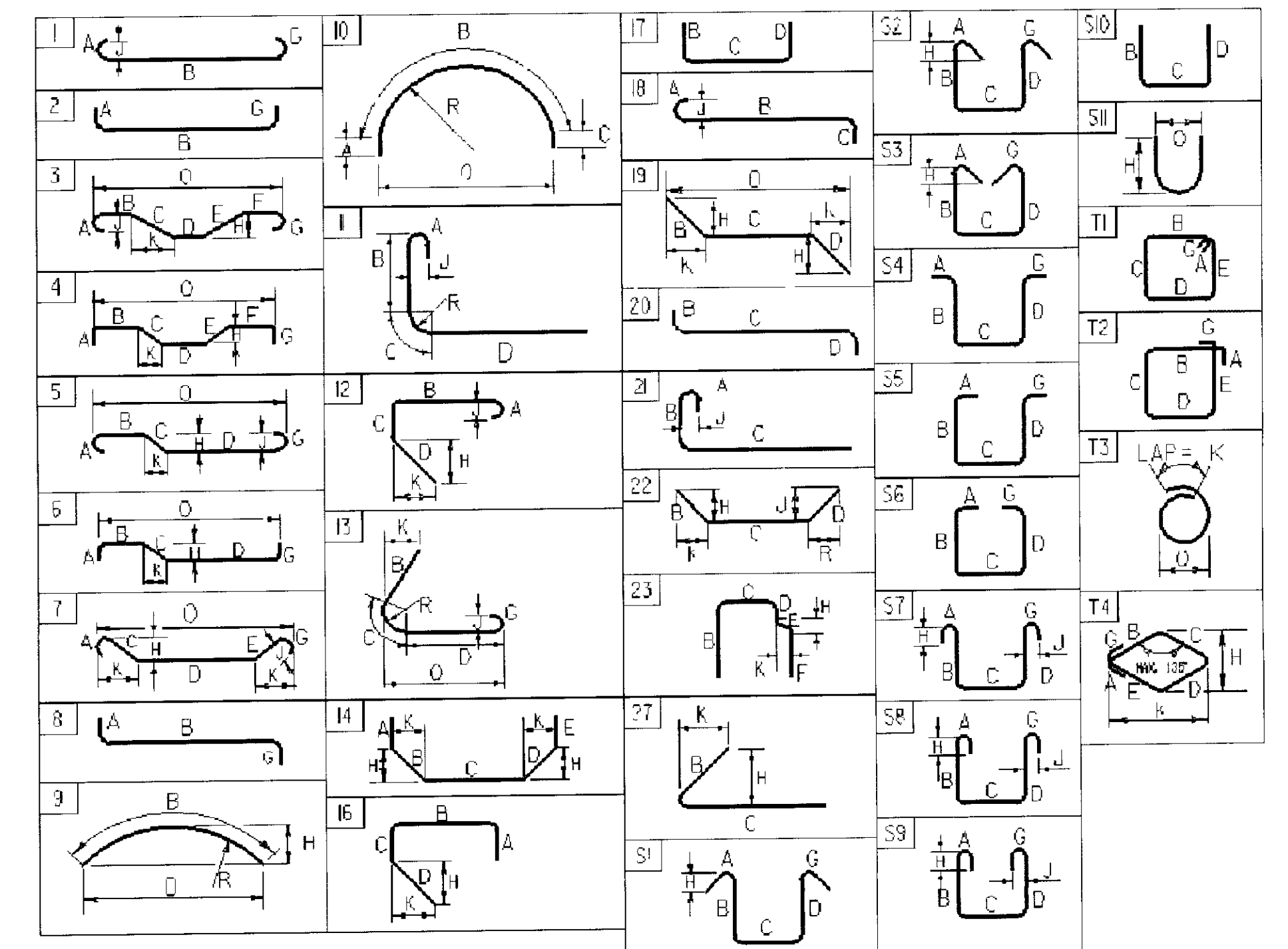


# REINFORCING STEEL SCHEDULE

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					
<b>SOUTHWEST WINGWALL</b>																																								
3	5	6'-2"	1W501	17		3'-8"	2'-6"	0'-0"																																
8	5	3'-8"	1W502	STR																																				
5	5	5'-6"	1W503	17		3'-0"	2'-6"	0'-0"																																
3	5	4'-6"	1W504	17		2'-6"	2'-0"	0'-0"																																
3	5	2'-6"	1W505	STR																																				
6	5	3'-0"	1W506	STR																																				
▲	3	5	23'-2"	1W507	STR																																			
3	5	5'-0"	W508	STR																																				
21	5	4'-7"	W509	22		1'-6"	1'-6"	1'-7"				1'-6"	1'-6"	0'-0"	0'-6"																									
<b>SOUTHEAST WINGWALL</b>																																								
*	11	5	5'-4"	2W501	STR																																			
16	5	3'-8"	2W502	STR																																				
5	5	2'-10"	2W503	STR																																				
5	5	5'-0"	2W504	17		3'-6"	1'-6"	0'-0"																																
▲	3	5	28'-0"	2W507	STR																																			
4	5	5'-0"	W508	STR																																				
26	5	4'-7"	W509	22		1'-6"	1'-6"	1'-7"				1'-6"	1'-6"	0'-0"	0'-6"																									
<b>NORTHWEST WINGWALL</b>																																								
2	5	4'-10"	3W501	STR																																				
6	5	0'-6"	3W502	STR																																				
▲	3	5	16'-1"	3W507	STR																																			
*	3	5	5'-0"	W508	STR																																			
14	5	4'-7"	W509	22		1'-6"	1'-6"	1'-7"				1'-6"	1'-6"	0'-0"	0'-6"																									
<b>NORTHEAST WINGWALL</b>																																								
12	5	3'-0"	4W501	STR																																				
8	5	5'-0"	4W502	STR																																				
6	5	2'-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 <sup>2</sup>	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	MONTGOMERY		
PROJECT NUMBER	BHO 1448(37)		
FILE NAME	s04j148rss.dgn	PLOT DATE	4/11/2008
PROJECT MANAGER	J Weaver	DRAWN BY	C Weaver
DESIGNED BY	J Weaver	CHECKED	J Weaver
REINFORCING STEEL SCHEDULE SHEET		SHEET	26 OF 33