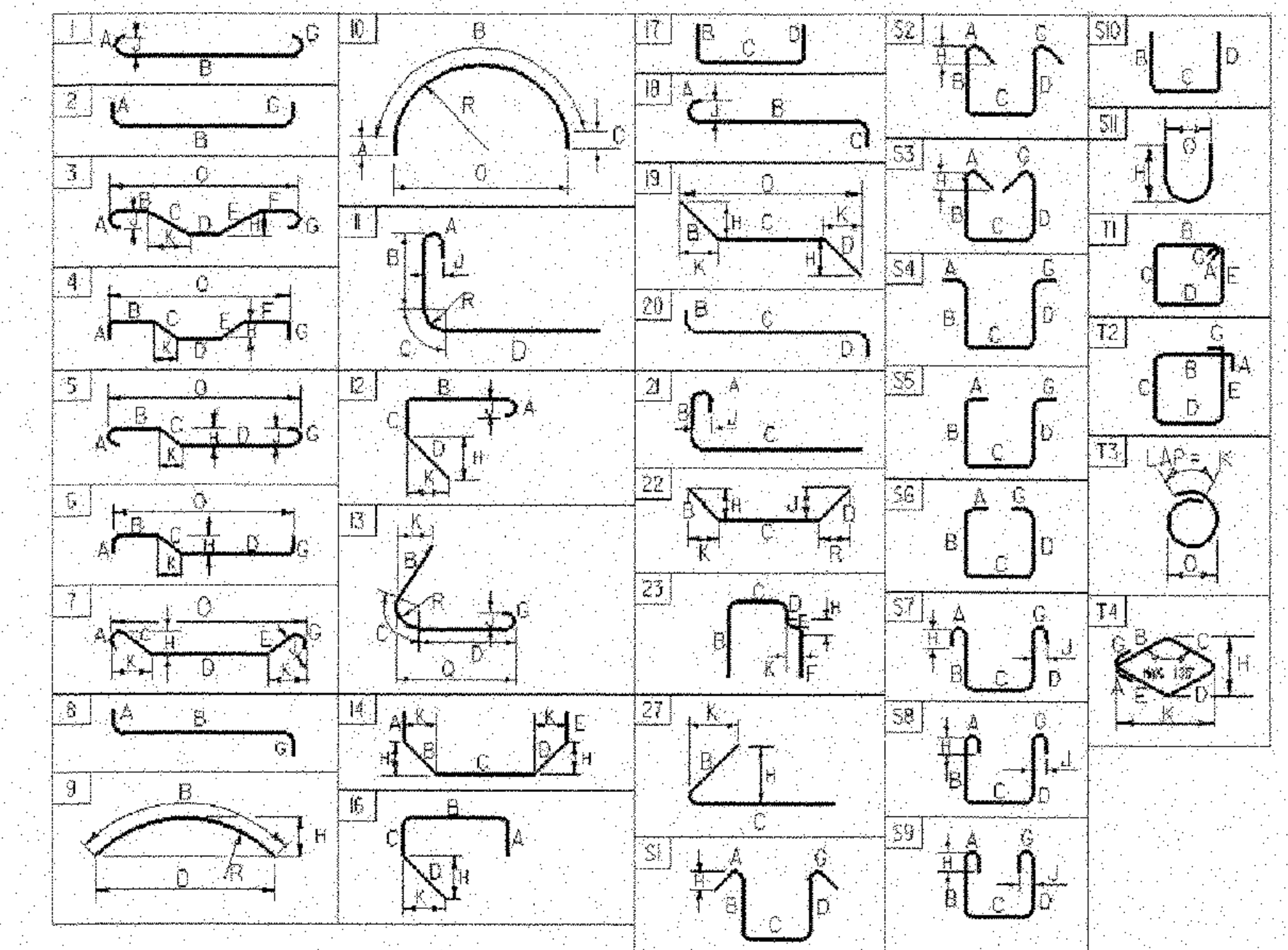


REINFORCING STEEL SCHEDULE

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																	APPROACH SLAB NO. 1																						
192	5	37'-3"	ES501	STR													23	5	25'-4"	1EAS501																			
* 289	5	20'-6"	ES504	STR													24	5	3'-9"	1EAS502	17		1'-7"	2'-2"	---														
285	5	21'-1"	ES503	1	0'-7"	20'-6"									0'-4"		2	5	22'-0"	1EAS503	9		22'-0"						1'-4"				45'-0"	21'-10"					
286	5	3'-6"	ES502	17		1'-4"	2'-2"	---																															
22	5	5'-6"	ES505	SS	2'-2"	0'-2"	0'-7"	0'-5"							2'-2"		* 36	9	22'-6"	1EAS901	1		1'-3"	21'-3"				---											
ABUTMENT #1																	APPROACH SLAB NO. 2																						
80	5	4'-2"	1A501	STR													* 22	5	20'-6"	2EAS501																			
54	5	4'-5"	1A502	STR													4	5	19'-6"	2EAS503																			
28	5	5'-1"	1A503	STR													42	5	3'-9"	2EAS502	17		1'-7"	2'-2"	---														
▲ 12	5	39'-1"	1A504	STR													28	9	22'-6"	2EAS901	1		1'-3"	21'-3"															
4	5	20'-6"	1A505	STR																																			
			1A506		NOT USED																																		
40	5	4'-0"	1A507	S10			1'-9"	0'-6"	1'-9"																														
22	5	5'-7"	1A508	16	1'-6"	1'-6"	0'-7"	2'-0"																															
WINGWALL #1																	TRUSS SIDEWALK																						
▲ 14	5	4'-2"	1W501	STR																																			
▲ 13	5	4'-5"	1W502	STR																																			
* ▲ 11	5	5'-8"	1W503	STR																																			
6	5	3'-6"	1W504	S10			1'-6"	0'-8"	1'-6"																														
10	5	5'-2"	1W505	19			2'-2"	3'-0"					1'-7"		1'-6"																								
WINGWALL #2																	W18 x W9 WELDED WIRE FABRIC																						
24	5	4'-2"	2W501	STR																																			
▲ 24	5	5'-1"	2W502	STR																																			
▲ 8	5	12'-9"	2W503	STR																																			
12	5	3'-6"	2W504	S10			1'-6"	0'-6"	1'-6"																														
▲ 12	5	5'-2"	2W505	19			2'-2"	3'-0"					1'-5"		1'-8"																								
WINGWALL #3																	SIDEWALK LENGTH: 144'-6"																						
72	5	4'-2"	2A501	STR																																			
* ▲ 31	5	5'-4"	2A502	STR																																			
44	5	3'-6"	2A503	STR																																			
▲ 24	5	8'-4"	2A504	STR																																			
▲ 10	5	25'-6"	2A505	STR																																			
4	5	20'-6"	2A506	STR																																			
37	5	3'-6"	2A507	S10			1'-6"	0'-6"	1'-6"																														
21	5	5'-7"	2A508	16	1'-6"	1'-6"	0'-7"	2'-0"																															
11	8	5'-2"	2EA801	19			2'-2"	3'-0"					1'-11"		1'-0"		4'-0"																						
WINGWALL #4																	FABRIC WIDTH: 5'-2"																						
20	5	4'-2"	3W501	STR																																			
▲ 20	5	7'-5"	3W502	STR																																			
▲ 14	5	9'-1"	3W503	STR																																			
9	5	3'-6"	3W504	S10			1'-6"	0'-6"	1'-6"																														
▲ 12	5	5'-2"	3W505	19			2'-2"	3'-0"					1'-3"		1'-6"																								
(NOT USED)			3W506										1'-5"		1'-8"																								
WINGWALL #5																	FABRIC AREA: 747 SQ. FT																						
18	5	4'-2"	4W501	STR																																			
▲ 18	5	5'-1"	4W502	STR																																			
▲ 12	5	8'-6"	4W503	STR																																			
8	5	3'-6"	4W504	S10			1'-6"	0'-6"	1'-6"																														
▲ 12	5	5'-2"	4W505	19			2'-2"	3'-0"					1'-5"		1'-7"																								
2	5	8'-5"	4W506	19			1'-2"	7'-3"					0'-3"		1'-1"																								

~ 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-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 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: JOHNSON
 PROJECT NUMBER: BHO 1448(18)
 FILE NAME: /str190j067/sj067rss.xls PLOT DATE: 1/22/2003
 PROJECT LEADER: R. WHITCOMB DRAWN BY: J. GILMORE
 DESIGNED BY: C. MEUNIER CHECKED BY: C. MEUNIER
 REINFORCING STEEL SCHEDULE SHEET 47 OF 73