

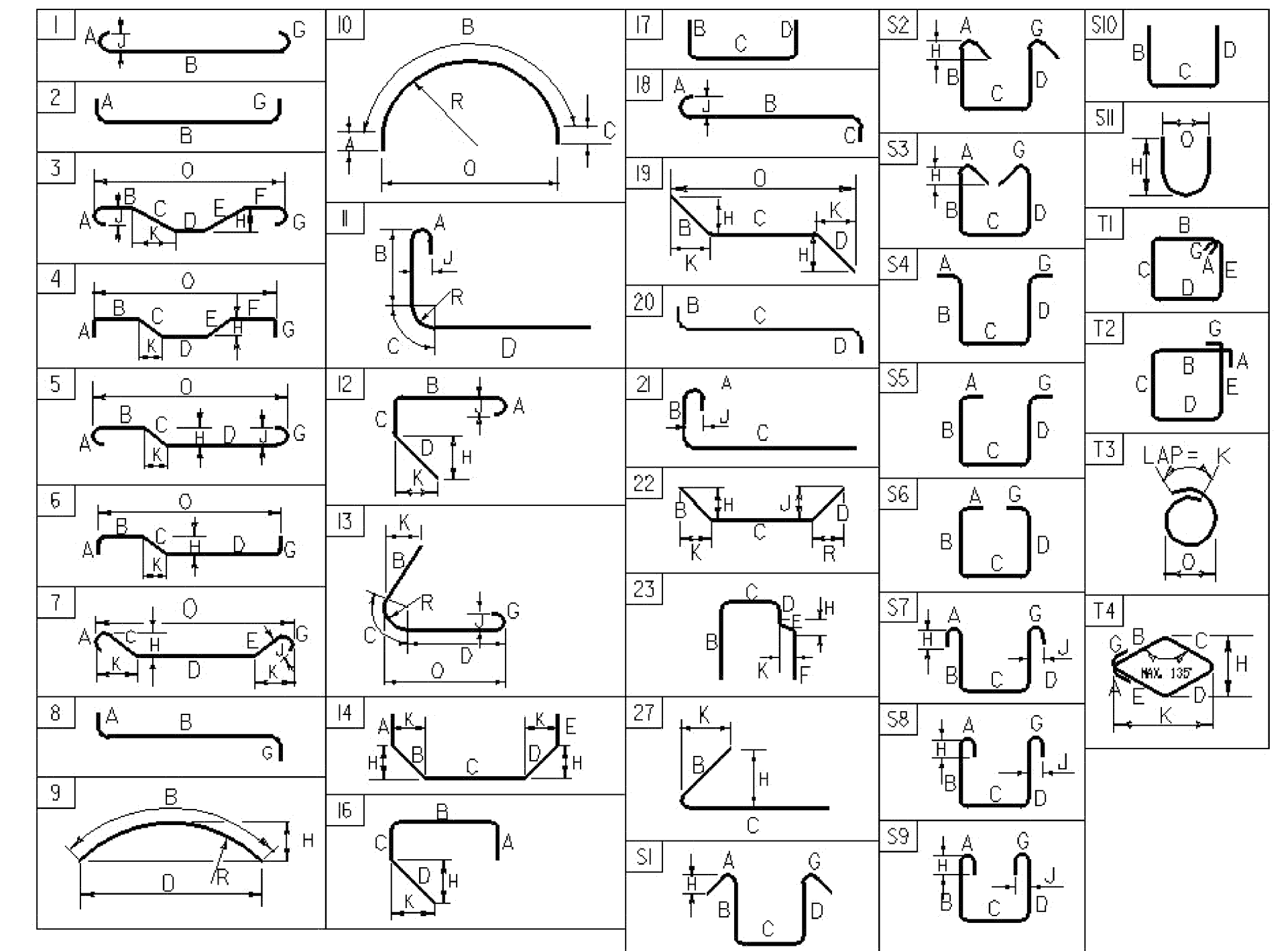
STATE OF VERMONT  
AGENCY OF TRANSPORTATION

# 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>SUPERSTRUCTURE</b>																																					
	316	5	35'-10"	ES501	STR																																
*	651	5	31'-11"	ES502	STR																																
	84	5	22'-1"	ES504	STR																																
* ▲	25	5	4'-6"	ES509	STR																																
	302	5	37'-0"	ES503	1	0'-7"	35'-10"					0'-7"																									
	304	5	10'-1"	ES505	S6	0'-10"	1'-4"	5'-8"	1'-5"			0'-10"																									
	604	5	4'-4"	ES506	S7	1'-10"	1'-8"	0'-10"	---			---	1'-6"	0'-6"																							
	60	5	12'-2"	ES507	S5	2'-2"	3'-9"	0'-7"	3'-6"			2'-2"																									
	74	5	4'-4"	ES508	16	---	1'-6"	0'-8"	2'-2"				1'-6"		1'-6"																						
*	39	8	3'-2"	ES801	16	---	---	1'-9"	1'-5"				1'-0"		1'-0"																						
<b>APPROACH SLAB NO. 1</b>																																					
*	22	5	23'-6"	1EAS501	STR																																
*	31	9	20'-7"	1EAS901	1	1'-3"	19'-4"					---																									
<b>APPROACH SLAB NO. 2</b>																																					
*	22	5	23'-6"	2EAS501	STR																																
*	31	9	20'-7"	2EAS901	1	1'-3"	19'-4"					---																									
<b>ABUTMENT NO. 1</b>																																					
	16	5	20'-9"	1A501	STR																																
*	11	5	8'-10"	1A503	STR																																
*	41	5	5'-0"	1A502	17		1'-0"	4'-0"	---																												
<b>ABUTMENT NO. 2</b>																																					
*	89	5	12'-6"	2A501	STR																																
	60	5	23'-6"	2A502	STR																																
* ▲	58	5	5'-10"	2A503	17		2'-2"	1'-6"	2'-2"																												
*	58	5	9'-4"	2A504	22		4'-8"	4'-8"	---				2'-11"	---	3'-7"	---																					
* ▲	38	5	8'-10"	2A505	17		4'-10"	4'-0"	---																												
* ▲	19	5	8'-0"	2A506	17		4'-0"	4'-0"	---																												
	19	5	5'-10"	2A507	17		2'-2"	1'-6"	2'-2"																												
	16	5	5'-9"	2A508	27		1'-6"	4'-3"					1'-4"		0'-9"																						
<b>WINGWALL NO. 1</b>																																					
* ▲	5	5	15'-6"	1W501	STR																																
*	34	5	2'-9"	1W502	17		0'-9"	2'-0"	---																												
*	5	5	4'-4"	1W503	17		2'-2"	2'-2"	---																												
	3	5	3'-0"	1W504	27		1'-0"	2'-0"	---				0'-10"		0'-6"																						
<b>WINGWALL NO. 2</b>																																					
* ▲	5	5	15'-4"	2W501	STR																																
	34	5	2'-9"	2W502	17		0'-9"	2'-0"	---				0'-3"																								
*	5	5	4'-4"	2W503	17		2'-2"	2'-2"	---																												
	3	5	3'-0"	2W504	27		1'-0"	2'-0"	---				0'-10"		0'-6"																						
<b>WINGWALL NO. 3</b>																																					
* ▲	39	5	17'-0"	3W501	STR																																
* ▲	36	5	17'-0"	3W502	STR																																
*	3	5	18'-8"	3W504	STR																																
	19	5	5'-10"	3W503	17		2'-2"	1'-6"	2'-2"																												
<b>WINGWALL NO. 4</b>																																					
* ▲	17	5	17'-0"	4W501	STR																																
* ▲	37	5	6'-2"	4W502	STR																																
	8	5	5'-10"	4W503	17		2'-2"	1'-6"	2'-2"																												
<b>FOOTING NO. 2</b>																																					
* ▲	44	5	26'-2"	2F501	STR																																
*	23	5	15'-2"	2F502	STR																																
* ▲	173	7	10'-0"	2F701	STR																																
*	117	7	5'-9"	2F702	STR																																
	20	8	4'-0"	2F801	STR																																
*	67	5	5'-5"	2F503	17		1'-0"	4'-5"																													
* ▲	141	8	12'-6"	2F802	17		1'-0"	11'-6"																													
<b>PIER</b>																																					
	16	5	18'-6"	P501	STR																																
	64	5	2'-6"	P504	STR																																
* ▲	9	5	6'-2"	P507	STR																																
	36	5	11'-0"	P502	T1	1'-0"	3'-6"	1'-0"	3'-6"	1'-0"		1'-0"																									
	2	5	7'-10"	P503	17		2'-2"	3'-6"	2'-2"																												
* ▲	10	5	3'-10"	P505	22		2'-10"	1'-0"	---				2'-0"	---	2'-0"	---																					
* ▲	6	5	9'-6"	P506	S10		4'-0"	1'-6"	4'-0"																												
*	21	9	9'-6"	P901	T1	1'-0"	2'-9"	1'-0"	2'-9"	1'-0"		1'-0"																									
*	8	10	12'-8"	P1001	1	1'-5"	11'-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 M31 (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: **JOHNSON**  
 PROJECT NUMBER: **BHO 1448(29)**  
 FILE NAME: z98j372rss.xls PLOT DATE: 2/10/2009  
 PROJECT MANAGER: J. W. TUCKER DRAWN BY: A. P. GUYETTE  
 DESIGNED BY: A. P. GUYETTE CHECKED BY: J. W. TUCKER