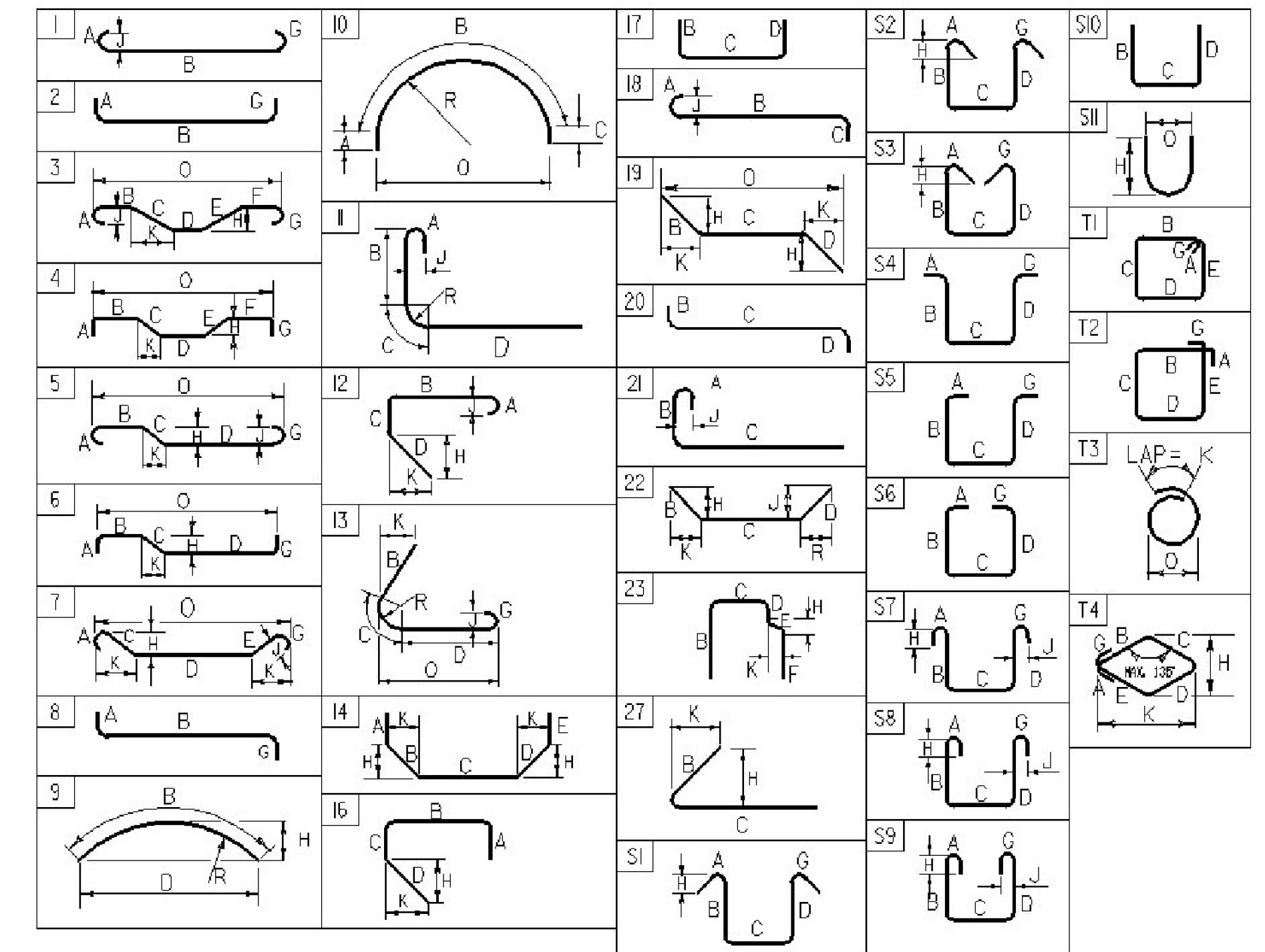


REINFORCING STEEL SCHEDULE

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
ABUTMENT NO. 1																		PIER NO. 2 (COLUMN)																	
25	5	28'-0"	1A500	STR														20	5	18'-9"	2PC501	T3								2'-0"	5'-4"				
25	5	25'-11"	1A501	STR														28	5	9'-10"	2PC502	17		2'-9"	4'-4"	2'-9"									
6	5	9'-11"	1A502	STR														64	9	10'-0"	2PC900	STR													
152	6	9'-10"	1A600	STR																															
12	6	5'-7"	1A601	STR																															
12	6	4'-6"	1A602	STR																															
27	8	2'-0"	1A800	STR																															
45	5	8'-6"	1A550	17			2'-10"	2'-10"	2'-10"																										
49	5	7'-0"	1A551.3	17			3'-6"	3'-6"	---																										
41	5	5'-7"	1A552.3	1		0'-7"	5'-0"						---		0'-5"																				
13	5	9'-4"	1A553	17			4'-4"	0'-8"	4'-4"																										
41	6	6'-8"	1A651	17			3'-4"	3'-4"	---																										
27	6	5'-6"	1A652	17			1'-0"	4'-6"	---																										
ABUTMENT NO. 2																																			
25	5	34'-9"	2A500	STR																															
25	5	32'-10"	2A501	STR																															
6	5	9'-10"	2A502	STR																															
191	6	9'-10"	2A600	STR																															
14	6	5'-7"	2A601	STR																															
15	6	4'-6"	2A602	STR																															
35	8	2'-0"	2A800	STR																															
57	5	8'-0"	2A550	17			2'-10"	2'-4"	2'-10"																										
62	5	7'-0"	2A551.3	17			3'-6"	3'-6"	---																										
52	5	4'-10"	2A552.3	1		0'-7"	4'-3"						---		0'-5"																				
14	5	9'-4"	2A553	17			4'-4"	0'-8"	4'-4"																										
41	6	6'-8"	2A651	17			3'-4"	3'-4"	---																										
24	6	5'-6"	2A652	17			1'-0"	4'-6"	---																										
WINGWALL NO. 1																																			
18	5	9'-0"	1W500	STR																															
10	5	7'-6"	1W501	STR																															
1	5	5'-8"	1W502	STR																															
1	5	3'-10"	1W503	STR																															
19	6	7'-6"	1W600	STR																															
1	6	6'-7"	1W601	STR																															
1	6	5'-8"	1W602	STR																															
1	6	4'-9"	1W603	STR																															
1	6	3'-10"	1W604	STR																															
1	6	2'-11"	1W605	STR																															
9	5	4'-11"	1W550	17		2'-1"	0'-9"	2'-1"																											
9	5	11'-5"	1W551	17		5'-4"	0'-9"	5'-4"																											
2	5	8'-3"	1W552	22			1'-8"	6'-7"	---					0'-9"	---	1'-5"																			
WINGWALL NO. 2																																			
20	5	12'-2"	2W500	STR																															
13	5	9'-0"	2W501	STR																															
26	6	9'-0"	2W600	STR																															
20	5	4'-11"	2W550	17		2'-1"	0'-9"	2'-1"																											
WINGWALL NO. 3																																			
14	5	12'-1"	3W500	STR																															
13	5	5'-6"	3W501	STR																															
26	6	5'-6"	3W600	STR																															
14	5	4'-11"	3W550	17		2'-1"	0'-9"	2'-1"																											
WINGWALL NO. 4																																			
22	5	12'-2"	4W500	STR																															
13	5	9'-6"	4W501	STR																															
26	6	9'-6"	4W600	STR																															
22	5	4'-11"	4W550	17		2'-1"	0'-9"	2'-1"																											
APPROACH SLAB NO. 1																																			
32	5	20'-1"	1AS500	STR																															
77	6	15'-6"	1AS650	18		1'-0"	14'-6"	---							0'-6"																				
APPROACH SLAB NO. 2																																			
32	5	26'-3"	2AS500	STR																															
102	6	15'-6"	2AS650	18		1'-0"	14'-6"	---							0'-6"																				
PIER NO. 1 (COLUMN)																																			
20	5	18'-9"	1PC501	T3																															
28	5	9'-10"	1PC502	17			2'-9"	4'-4"	2'-9"																										
64	9	10'-0"	1PC900	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-SI). 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

~REINFORCING STEEL CORROSION RESISTANCE LEVEL~
THE REINFORCING STEEL MARKS IN THIS SCHEDULE INDICATE THE REQUIRED BAR CORROSION RESISTANCE LEVEL. CORROSION RESISTANCE LEVEL IS DENOTED WITH A .2 FOR LEVEL TWO SUFFIX OR .3 FOR LEVEL THREE SUFFIX, .1 FOR LEVEL ONE IS TO BE OMITTED. THE BAR MATERIAL TYPE AND BAR STEEL GRADE PROVIDED FOR EACH CORROSION LEVEL WILL BE RECORDED ON THE PLAN SET PI SHEET FOR AS-BUILT RECORD PLAN ARCHIVES.

PROJECT NAME:	EAST MONTEPELIER
PROJECT NUMBER:	BRF 037-1(7)
FILE NAME: z98b252.reinf.dgn	PLOT DATE: 1/19/2017
PROJECT MANAGER: T. KNIGHT	DRAWN BY: J. SOTER
DESIGNED BY: T. KNIGHT	CHECKED BY: P. GREENBERG
REINFORCING STEEL SCHEDULE	SHEET 101 OF 158