

STATE OF VERMONT  
AGENCY OF TRANSPORTATION

# REINFORCING STEEL SCHEDULE

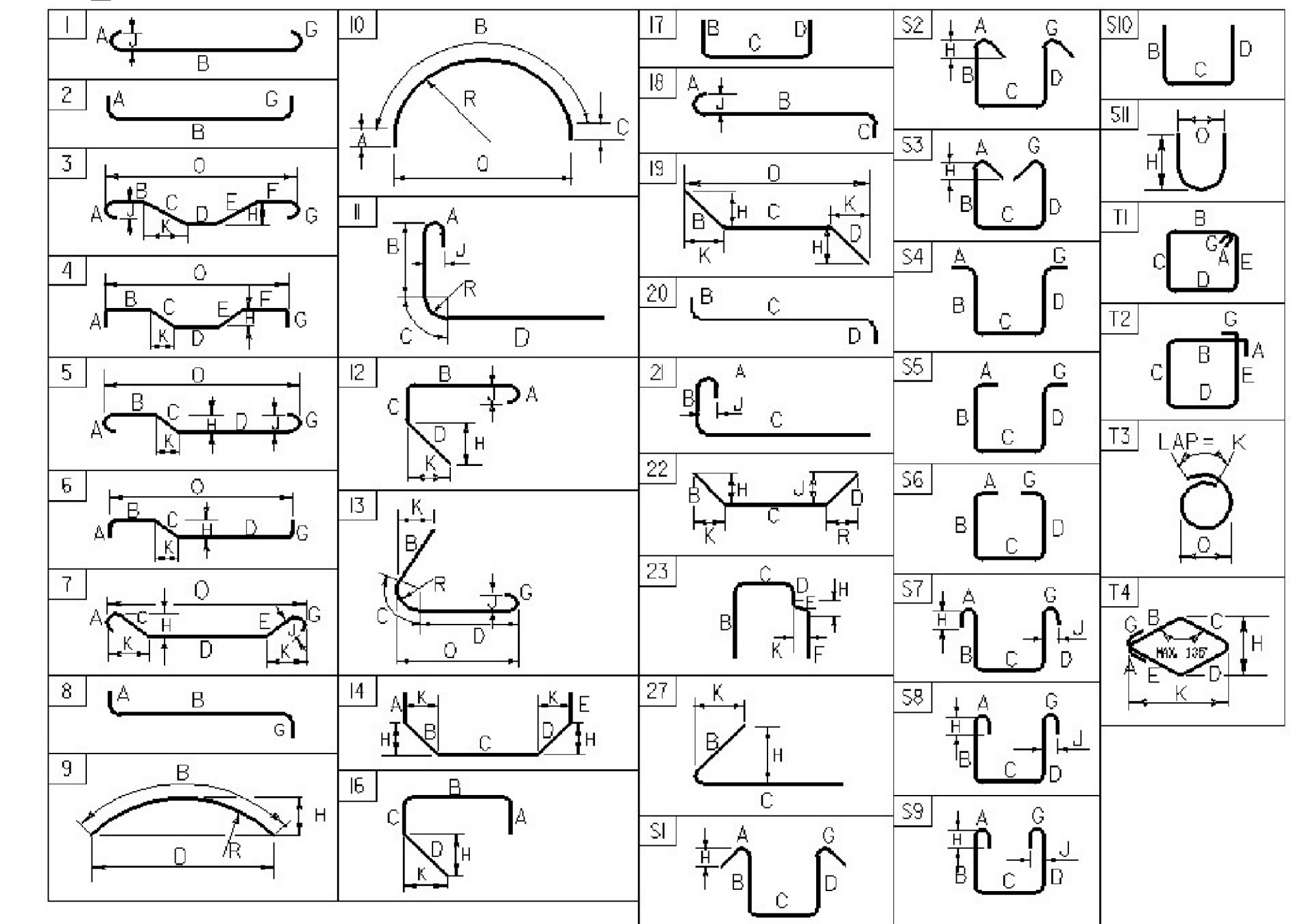
ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
<b>SPAN 1</b>																																			
*	30	6	33'-8"	1ES501	STR																														
*	9	5	25'-6"	1ES502	STR																														
<b>APPROACH SLAB 1</b>																																			
*	13	5	24'-3"	1EAS501	STR																														
<b>APPROACH SLAB 2</b>																																			
*	13	5	24'-8"	2EAS501	STR																														
<b>ABUTMENT NO. 1</b>																																			
*	5	5	25'-8"	1A501	STR																														
	2	5	3'-6"	1A502	STR																														
	2	5	4'-1"	1A503	STR																														
	2	5	4'-9"	1A504	STR																														
	8	5	7'-0"	1A505	STR																														
	8	5	10'-0"	1A506	STR																														
<b>ABUTMENT NO. 2</b>																																			
*	9	5	22'-9"	2A501	STR																														
<b>WINGWALL 3</b>																																			
*	2	5	11'-2"	3W501	STR																														
	1	5	12'-1"	3W502	STR																														
	1	5	13'-0"	3W503	STR																														
<b>WINGWALL 4</b>																																			
*	2	5	13'-0"	4W501	STR																														
	1	5	12'-1"	4W502	STR																														
	1	5	11'-2"	4W503	STR																														

SEE NEW "REINFORCING STEEL SCHEDULE 2" SHEET

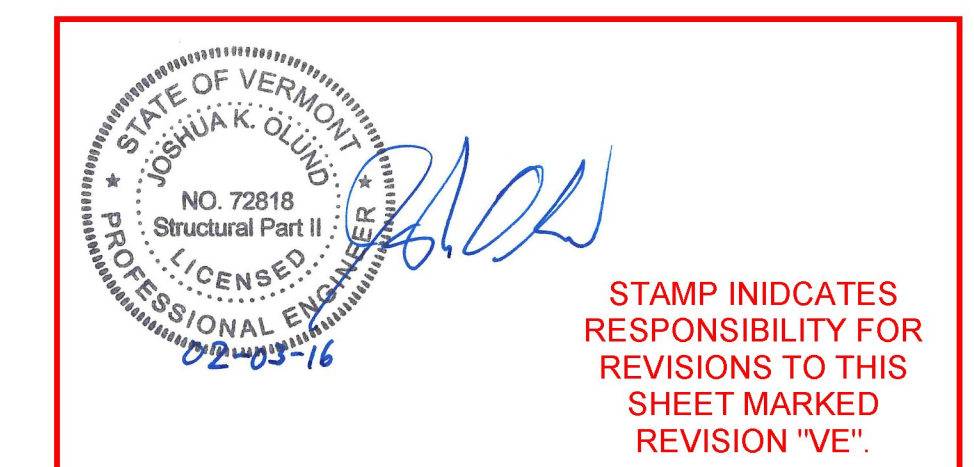
VE

~ 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.
- DENOTES 10/13/2015 REVISION HISTORY



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



REV	DATE	DESCRIPTION
VE	02/03/16	NEW DECK DESIGN, BARS CHANGED

PROJECT NAME: **WAITSFIELD**  
 PROJECT NUMBER: **BRF 013-4(39)**  
 FILE NAME: **z12b136reinf.xls** PLOT DATE: **10/12/2015**  
 PROJECT MANAGER: **R. YOUNG** DRAWN BY: **S. MERKWAN**  
 DESIGNED BY: **D. KULL** CHECKED BY: **T. KENDRICK**  
 REINFORCING STEEL SCHEDULE SHEET **50** OF **69**