

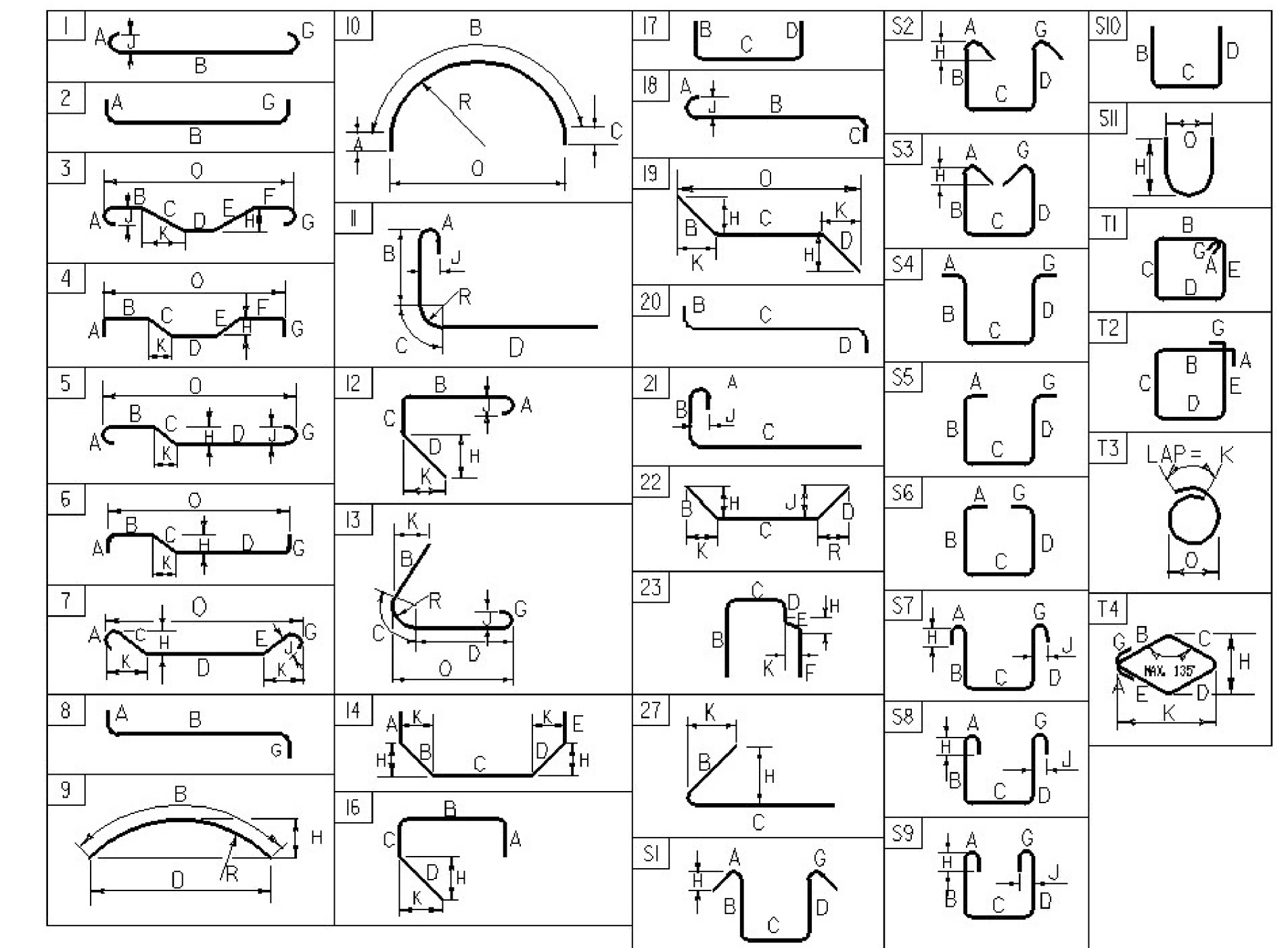
REINFORCING STEEL SCHEDULE

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
DECK																																			
82	5	30'-10"	S501.2	STR	30'-10"																														
136	5	35'-8"	S502.2	STR	35'-8"																														
54	6	35'-8"	S601.2	STR	35'-8"																														
136	6	30'-10"	S602.2	STR	30'-10"																														
APPROACH SLAB 1																																			
▲	22	5	28'-2"	1AS501	STR	28'-2"																													
* ▲	35	9	20'-5"	1AS901	1	0'-11"	19'-6"					---		0'-9"																					
APPROACH SLAB 2																																			
▲	22	5	27'-10"	2AS501	STR	27'-10"																													
▲	34	9	20'-5"	2AS901	1	0'-11"	19'-6"					---		0'-9"																					
ABUTMENT 1																																			
48	5	20'-10"	1A501.2	STR	20'-10"																														
41	5	13'-6"	1A502.2	17		10'-11"	2'-7"	-																											
29	5	6'-11"	1A503.2	17		2'-2"	2'-7"	2'-2"																											
29	5	5'-4"	1A504.2	22		3'-2"						2'-3"	1'-6"	2'-3"	1'-6"																				
27	5	26'-7"	1A505.2	2		3'-11"	22'-8"																												
12	5	10'-3"	1A506.2	17		3'-10"	2'-7"	3'-10"																											
29	5	5'-1"	1A507.2	5		0'-7"	3'-6"	1'-0"	-			-	0'-8"	-	0'-8"																				
41	5	6'-11"	1A508.2	17		2'-2"	2'-7"	2'-2"																											
* 25	6	11'-11"	1A601.2	2		2'-7"	9'-4"																												
* 82	8	13'-6"	1A801.2	17		10'-11"	2'-7"	-																											
ABUTMENT 2																																			
48	5	20'-10"	2A501.2	STR	20'-10"																														
41	5	13'-6"	2A502.2	17		10'-11"	2'-7"	-																											
29	5	6'-11"	2A503.2	17		2'-2"	2'-7"	2'-2"																											
29	5	5'-4"	2A504.2	22		3'-2"						2'-3"	1'-6"	2'-3"	1'-6"																				
27	5	26'-7"	2A505.2	2		3'-11"	22'-8"																												
12	5	10'-3"	2A506.2	17		3'-10"	2'-7"	3'-10"																											
29	5	5'-1"	2A507.2	5		0'-7"	3'-6"	1'-0"	-			-	0'-8"	-	0'-8"																				
41	5	6'-11"	2A508.2	17		2'-2"	2'-7"	2'-2"																											
24	6	11'-11"	2A601.2	2		2'-7"	9'-4"																												
81	8	13'-6"	2A801.2	17		10'-11"	2'-7"																												
WINGWALL 1																																			
* ▲	31	5	10'-0"	1W501.2	STR	10'-0"																													
▲	16	5	12'-5"	1W502.2	STR	12'-5"																													
8	5	5'-5"	1W503.2	17		2'-2"	1'-1"	2'-2"																											
28	5	4'-4"	1W504.2	17		2'-2"	2'-2"	-																											
WINGWALL 2																																			
▲	30	5	10'-0"	2W501.2	STR	10'-0"																													
▲	16	5	12'-5"	2W502.2	STR	12'-5"																													
8	5	5'-5"	2W503.2	17		2'-2"	1'-1"	2'-2"																											
28	5	4'-4"	2W504.2	17		2'-2"	2'-2"	-																											
WINGWALL 3																																			
▲	30	5	10'-0"	3W501.2	STR	10'-0"																													
▲	16	5	12'-5"	3W502.2	STR	12'-5"																													
8	5	5'-5"	3W503.2	17		2'-2"	1'-1"	2'-2"																											
28	5	4'-4"	3W504.2	17		2'-2"	2'-2"	-																											
WINGWALL 4																																			
▲	30	5	10'-0"	4W501.2	STR	10'-0"																													
▲	16	5	12'-5"	4W502.2	STR	12'-5"																													
8	5	5'-5"	4W503.2	17		2'-2"	1'-1"	2'-2"																											
28	5	4'-4"	4W504.2	17		2'-2"	2'-2"	-																											

~ 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.

41. E IN BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL



ASTM STANDARD REINFORCING BARS

BAR SIZE	YIELD STRENGTH (ksi)	TENSILE STRENGTH (ksi)	ELONGATION (%)	WELDED EPOXY COATED (ksi)
#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	2.04	0.875	0.60	2.749
#8	2.670	1.000	0.79	3.14
#9	3.400	1.13	1.00	3.54
#10	4.3	1.270	1.27	3.990
#11	5.31	1.410	1.56	4.430
#14	7.65	1.69	2.25	5.32
#18	13.60	2.26	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 P1 SHEET FOR AS-BUILT RECORD PLAN ARCHIVES.

PROJECT NAME: **WARDSBORO**
PROJECT NUMBER: **BRF 013-1(15)**

FILE NAME: s92b283rss.xls PLOT DATE: 2/23/2015
PROJECT MANAGER: C. CARLSON DRAWN BY: R. PELLETT
DESIGNED BY: D. PETERSON CHECKED BY: D. PETERSON
REINFORCING STEEL SCHEDULE SHEET 31 OF 51