STATE OF VERMONT
AGENCY OF TRANSPORTATION

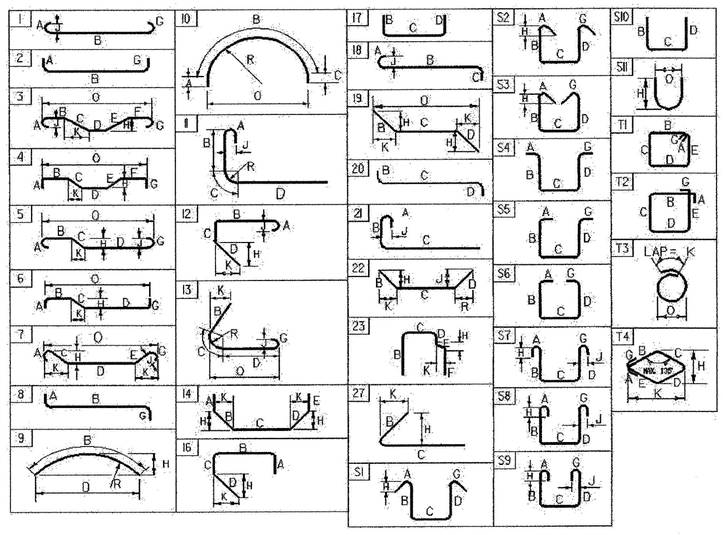
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT NO. 1																	
	20	5	20'- 4"	1A501	STR												
	30	5	3'- 10"	1A502	STR												
▲	11	5	20'- 4"	1A505	STR												
	4	5	7'- 6"	1A506	STR												
	12	5	3'- 6"	1A507	STR												
	4	5	3'- 6"	1A508	STR												
	10	5	8'- 10"	1A503	S10		3'- 11"	1'- 0"	3'- 11"								
	18	5	5'- 4"	1A504	S10		2'- 1"	1'- 2"	2'- 1"								
	15	5	10'- 4"	1A509	23		4'- 5"	0'- 6"	1'- 4"	1'- 0"	3'- 1"		----		---		
	20	5	3'- 6"	1A510	S10		1'- 9"	1'- 9"	----								
△	46	6	18'- 10"	1A601	STR												
✳	40	8	21'- 3"	1A801	1	0'- 11"	20'- 4"					----		0'- 8"			
✳	9	8	5'- 0"	1A802	19		2'- 6"	2'- 6"	----								
WINGWALL NO. 1																	
	16	5	3'- 10"	1W501	STR												
✳ ▲	29	5	5'- 0"	1W503	STR												
	12	5	12'- 5"	1W504	STR												
	14	5	6'- 6"	1W502	17		3'- 10"	2'- 8"	----								
	7	5	4'- 0"	1W505	S10		1'- 6"	1'- 0"	1'- 6"								
WINGWALL NO. 2																	
△	16	5	3'- 10"	2W501	STR												
▲	28	5	5'- 0"	2W503	STR												
	12	5	12'- 5"	2W504	STR												
	14	5	6'- 6"	2W502	17		3'- 10"	2'- 8"	----								
	7	5	4'- 0"	2W505	S10		1'- 6"	1'- 0"	1'- 6"								
ABUTMENT NO. 2																	
	22	5	20'- 4"	2A501	STR												
△	32	5	3'- 10"	2A502	STR												
▲	13	5	20'- 4"	2A505	STR												
	12	5	7'- 6"	2A506	STR												
	20	5	3'- 6"	2A507	STR												
	8	5	3'- 6"	2A508	STR												
	10	5	11'- 10"	2A503	S10		5'- 5"	1'- 0"	5'- 5"								
	18	5	8'- 4"	2A504	S10		3'- 7"	1'- 2"	3'- 7"								
	15	5	13'- 2"	2A509	23		5'- 10"	0'- 6"	1'- 4"	1'- 0"	4'- 6"		----		---		
	24	5	3'- 6"	2A510	S10		1'- 9"	1'- 9"	----								
△	46	6	20'- 5"	2A601	STR												
	42	8	21'- 3"	2A801	1	0'- 11"	20'- 4"					----		0'- 8"			
△	10	8	5'- 0"	2A802	19		2'- 6"	2'- 6"	----								
WINGWALL NO. 3																	
	14	5	3'- 10"	3W501	STR												
▲	28	5	6'- 1"	3W503	STR												
	14	5	12'- 5"	3W504	STR												
	14	5	6'- 6"	3W502	17		3'- 10"	2'- 8"	----								
	7	5	4'- 0"	3W505	S10		1'- 6"	1'- 0"	1'- 6"								
WINGWALL NO. 4																	
	14	5	3'- 10"	4W501	STR												
▲	28	5	6'- 1"	4W503	STR												
	14	5	12'- 5"	4W504	STR												
✳	15	5	6'- 6"	4W502	17		3'- 10"	2'- 8"	----								
	7	5	4'- 0"	4W505	S10		1'- 6"	1'- 0"	1'- 6"								
APPROACH SLAB NO. 1																	
△	19	5	14'- 0"	1AS501	STR												
	29	6	15'- 2"	1AS601	1	0'- 8"	14'- 6"					----					
APPROACH SLAB NO. 2																	
	17	5	14'- 0"	2AS501	STR												
△	31	6	15'- 2"	2AS601	1	0'- 8"	14'- 6"					----					

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O

~ NOTES ~

1. 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.
2. 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".
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
8. ▲ DENOTES BARS TO BE CUT IN FIELD.
9. ✳ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. ALL REINFORCING STEEL SHALL BE EPOXY COATED.



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: **BRANDON**
PROJECT NUMBER: **BHZ 1443 (22)**

FILE NAME: **\87j137\Structures\sj137rf.xls**
PROJECT MANAGER: **R. R. WHITCOMB**
DESIGNED BY: **T. SUMNER**
REINFORCING STEEL SCHEDULE SHEET #1

PLOT DATE: **9/27/01**
DRAWN BY: **G. ROY**
CHECKED BY: **T. SUMNER**
SHEET **35** OF **51**