STATE OF VERMONT
AGENCY OF TRANSPORTATION

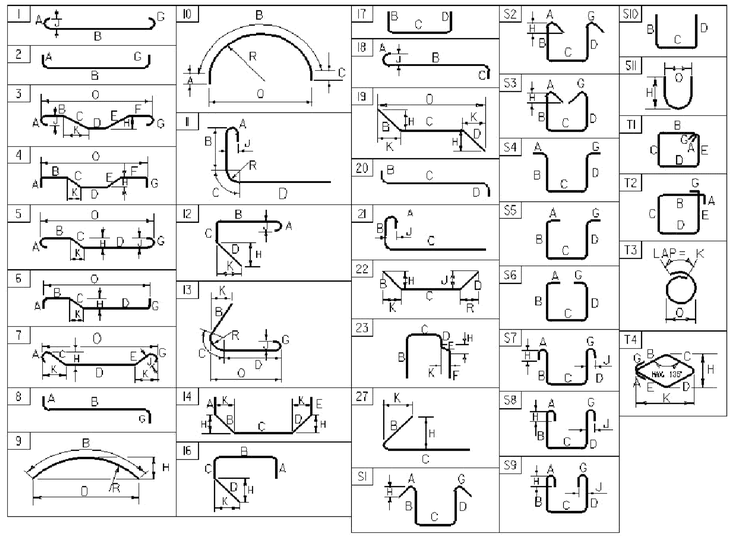
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	DECK																
	878	5	36'- 6"	ES501	STR	36'- 6"											
	28	5	35'- 10"	ES503	STR	35'- 10"											
△	60	5	5'- 0"	ES504	STR	5'- 0"											
	701	6	35'- 10"	ES601	STR	35'- 10"											
▲	12	6	44'- 4"	ES602	STR	44'- 4"											
△	68	6	5'- 6"	ES603	STR	5'- 6"											
	625	5	5'- 5"	ES502	S5	0'- 10"	1'- 0"	1'- 6"	1'- 3"			0'- 10"					
	56	5	6'- 0"	ES505	22		2'- 2"	1'- 8"	2'- 2"								
	APPROACH SLABS																
	21	5	32'- 0"	1EAS501	STR	32'- 0"											
	17	8	3'- 0"	1EAS801	22		1'- 6"	1'- 6"									
△ ▲	41	9	21'- 4"	1EAS901	18	1'- 3"	20'- 1"	---						1'- 2"			
	6	9	16'- 7"	1EAS902	18	1'- 3"	15'- 4"	---						1'- 2"			
	21	5	32'- 0"	2EAS501	STR	32'- 0"											
	17	8	3'- 0"	2EAS801	22		1'- 6"	1'- 6"									
▲	39	9	21'- 4"	2EAS901	18	1'- 3"	20'- 1"	---						1'- 2"			
	ABUTMENT #1																
	4	5	32'- 0"	1A503	STR	32'- 0"											
	34	6	44'- 4"	1A601	STR	44'- 4"											
▲	60	6	17'- 6"	1A602	STR	17'- 6"											
	174	4	3'- 4"	1A401	S3	0'- 5"	---	2'- 6"	---			0'- 5"	0'- 3"				
	33	5	4'- 7"	1A504	16	0'- 8"	1'- 9"	0'- 8"	1'- 6"				1'- 0"		1'- 0"		
△ ▲	62	11	22'- 0"	1A1101	8	2'- 0"	20'- 0"					---					
▲	60	11	16'- 6"	1A1102	8	2'- 0"	14'- 6"					---					
	WINGWALL #1																
	17	5	9'- 11"	1W501	1	0'- 7"	8'- 9"					0'- 7"		0'- 5"			
	2	5	11'- 1"	1W502	22		---	3'- 4"	7'- 9"				0'- 6"		7'- 9"		---
	36	6	2'- 4"	1W601	S3	0'- 8"	---	1'- 0"	---			0'- 8"	0'- 5"				
△	38	6	19'- 0"	1W602	S3	0'- 8"	---	17'- 4"	1'- 0"			---	0'- 5"	C varies from 16'-1" to 18'-6"			
	1	7	11'- 4"	1W701	22		---	8'- 5"	2'- 11"			---	0'- 8"	---	2'- 10"		
▲	17	7	11'- 10"	1W702	22		---	11'- 1"	0'- 9"				0'- 5"		0'- 5"		
	1	8	11'- 4"	1W801	22		---	8'- 5"	2'- 11"			---	0'- 8"	---	2'- 10"		
▲	35	8	11'- 11"	1W802	22		---	11'- 1"	0'- 10"				0'- 6"		0'- 6"		
▲	35	8	11'- 5"	1W803	22		---	9'- 8"	1'- 9"			---	1'- 8"	---	0'- 7"		
	WINGWALL #2																
	19	5	8'- 2"	2W501	1	0'- 7"	7'- 0"					0'- 7"		0'- 5"			
	34	6	2'- 4"	2W601	S3	0'- 8"	---	1'- 0"	---			0'- 8"	0'- 5"				
	34	6	19'- 8"	2W602	S3	0'- 8"	---	18'- 0"	1'- 0"			---	0'- 5"	C varies from 16'-2" to 19'-10"			
	1	7	11'- 11"	2W701	22		---	9'- 2"	2'- 9"			---	---	1'- 2"	---	2'- 5"	
▲	20	7	11'- 9"	2W702	22		---	11'- 0"	0'- 9"				0'- 5"	---	0'- 5"	---	
	1	8	11'- 11"	2W801	22		---	9'- 2"	2'- 9"				---	1'- 2"	---	2'- 5"	
▲	40	8	11'- 10"	2W802	22		---	11'- 0"	0'- 10"				0'- 5"	---	0'- 5"	---	
	40	8	11'- 8"	2W803	27		1'- 9"	9'- 11"					1'- 9"		0'- 2"		

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	ABUTMENT #2																
	4	5	32'- 0"	2A503	STR	32'- 0"											
	38	6	44'- 0"	2A601	STR	44'- 0"											
▲	60	6	17'- 6"	2A602	STR	17'- 6"											
	198	4	3'- 4"	2A401	S3	0'- 5"	---	2'- 6"	---			0'- 5"	0'- 3"				
	33	5	4'- 7"	2A504	16	0'- 8"	1'- 9"	0'- 8"	1'- 6"				1'- 0"		1'- 0"		
	60	11	21'- 7"	2A1101	8	2'- 0"	19'- 7"					---					
△	62	11	15'- 4"	2A1102	8	2'- 0"	13'- 4"					---					
	WINGWALL #3																
	17	5	9'- 11"	3W501	1	0'- 7"	8'- 9"					0'- 7"		0'- 5"			
	2	5	15'- 6"	3W502	22		---	4'- 4"	11'- 2"				2'- 10"		10'- 9"		---
	52	6	2'- 4"	3W601	S3	0'- 8"	---	1'- 0"	---			0'- 8"	0'- 5"				
	52	6	15'- 2"	3W602	S3	0'- 8"	---	13'- 6"	1'- 0"			---	0'- 5"	C varies from 8'-8" to 18'-4"			
	1	7	16'- 11"	3W701	22		---	14'- 0"	2'- 11"				---	1'- 5"	---	2'- 6"	
▲	17	7	15'- 10"	3W702	22		---	15'- 1"	0'- 9"				0'- 5"		0'- 5"		
	1	8	4'- 11"	3W801	22		---	2'- 0"	2'- 11"				---	1'- 5"	---	2'- 6"	
△ ▲	37	8	15'- 11"	3W802	22		---	15'- 1"	0'- 10"				0'- 5"	---	0'- 5"	---	
▲	35	8	10'- 5"	3W803	22		1'- 9"	8'- 8"	---				1'- 8"	---	0'- 8"	---	
	WINGWALL #4																
	18	5	8'- 2"	4W501	1	0'- 7"	7'- 0"					0'- 7"		0'- 5"			
	2	5	15'- 0"	4W502	22		---	4'- 5"	10'- 7"				0'- 8"		10'- 7"		---
	50	6	2'- 4"	4W601	S3	0'- 8"	---	1'- 0"	---			0'- 8"	0'- 5"				
	50	6	15'- 8"	4W602	S3	0'- 8"	---	14'- 0"	1'- 0"			---	0'- 5"	C varies from 8'-8" to 19'-3"			
	1	7	18'- 9"	4W701	22		---	16'- 1"	2'- 8"				---	1'- 9"	---	2'- 1"	
▲	18	7	16'- 3"	4W702	22		---	15'- 6"	0'- 9"				0'- 5"	---	0'- 5"	---	
	1	8	18'- 9"	4W801	22		---	16'- 1"	2'- 8"				---	1'- 9"	---	2'- 1"	
▲	38	8	16'- 4"	4W802	22		---	15'- 6"	0'- 10"				0'- 5"	---	0'- 5"	---	
▲	38	8	12'- 2"	4W803	27		1'- 9"	10'- 5"					1'- 9"		0'- 2"		
	PIER																
	8	6	23'- 1"	P601	STR	23'- 1"											
	96	6	4'- 4"	P602	STR	4'- 4"											
	15	4	4'- 0"	P401	2	1'- 0"	2'- 0"					1'- 0"					
	10	4	4'- 10"	P402	2	1'- 0"	2'- 10"					1'- 0"					
	7	6	15'- 1"	P603A	S3	0'- 8"	5'- 3"	3'- 3"	5'- 3"			0'- 8"	0'- 5"	B & D vary from 5'-0" to 5'-6" C varies from 2'-7" to 3'-10"			
	7	6	4'- 11"	P603B	S3	0'- 8"	---	3'- 3"	1'- 0"			---	0'- 5"	C varies from 2'-7" to 3'-10"			
	12	6	15'- 11"	P604A	S3	0'- 8"	5'- 10"	2'- 11"	5'- 10"			0'- 8"	0'- 5"	B & D vary from 5'-7" to 6'-0"			
	12	6	4'- 7"	P604B	S3	0'- 8"	---	2'- 11"	1'- 0"			---	0'- 5"				
	27	6	17'- 5"	P605A	S3	0'- 8"	6'- 5"	3'- 3"	6'- 5"			0'- 8"	0'- 5"	B & D vary from 6'-1" to 6'-8"			
	27	6	4'- 11"	P605B	S3	0'- 8"	---	3'- 3"	1'- 0"			---	0'- 5"				
△	32	6	18'- 4"	P606A	S3	0'- 8"	6'- 8"	3'- 8"	6'- 8"			0'- 8"	0'- 5"	B & D vary from 6'-6" to 6'-9"			
	30	6	5'- 4"	P606B	S3	0'- 8"	---	3'- 8"	1'- 0"			---	0'- 5"				
	27	6	16'- 1"	P607A	S3	0'- 8"	5'- 9"	3'- 3"	5'- 9"			0'- 8"	0'- 5"	B & D vary from 5'-0" to 6'-5"			
	27	6	4'- 11"	P607B	S3	0'- 8"	---	3'- 3"	1'- 0"			---	0'- 5"				
	12	6	13'- 3"	P608A	S3	0'- 8"	4'- 6"	2'- 11"	4'- 6"			0'- 8"	0'- 5"	B & D vary from 4'-1" to 4'-11"			
	12	6	4'- 7"	P608B	S3	0'- 8"	---	2'- 11"	1'- 0"			---	0'- 5"				
	7	6	11'- 7"	P609A	S3	0'- 8"	3'- 6"	3'- 3"	3'- 6"			0'- 8"	0'- 5"	B & D vary from 3'-0" to 3'-11" C varies from 2'-7" to 3'-10"			
	7	6	4'- 11"	P609B	S3	0'- 8"	---	3'- 3"	1'- 0"			---	0'- 5"	C varies from 2'-7" to 3'-10"			
▲	12	6	16'- 5"	P610	22		---	14'- 11"	1'- 6"				---	0'- 3"	---	1'- 6"	
	11	6	9'- 8"	P611	S11								4'- 0"				3'- 9"
▲	18	6	33'- 6"	P612	22		16'- 9"	16'- 9"	---				2'- 11"	---	16'- 5"	---	
	1	6	1075'- 3"	P613	T3												6'- 2"
	224	11	27'- 1"	P1101	2	2'- 0"	23'- 1"					2'- 0"					
	2	11	37'- 4"	P1102A	6*	2'- 0"	17'- 8"	17'- 8"	---			---	2'- 6"		17'- 6"		35'- 2"
	2	11	38'- 2"	P1102B	6*	2'- 0"	18'- 1"	18'- 1"					1'- 1"		18'- 1"		36'- 2"
	2	11	38'- 4"	P1102C	6*	2'- 0"	18'- 2"	18'- 2"					0'- 4"		18'- 2"		36'- 4"
	2	11	37'- 10"	P1102D	6*	2'- 0"	17'- 11"	17'- 11"					1'- 10"		17'- 10"		35'- 9"
	2	11	35'- 4"	P1102E	6*	2'- 0"	16'- 8"	16'- 8"					3'- 0"		16'- 5"		33'- 1"
	2	11	35'- 4"	P1103A	22		17'- 8"	17'- 8"	---				2'- 6"		17'- 6"		
	2	11	36'- 2"	P1103B	22		18'- 1"	18'- 1"	---				1'- 1"		18'- 1"		
	2	11	36'- 4"	P1103C	22		18'- 2"	18'- 2"	---				0'- 4"		18'- 2"		
	2	11	35'- 10"	P1103D	22		17'- 11"	17'- 11"	---				1'- 10"		17'- 10"		
	2	11	33'- 4"	P1103E	22		16'- 8"	16'- 8"	---				3'- 0"		16'- 5"		
	2	11	26'- 8"	P1104	22		13'- 4"	13'- 4"	---				2'- 5"		13'- 1"		
△	40	11	25'- 9"	P1105	2	2'- 0"	23'- 9"										

~ 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. 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

PROJECT NAME: STOCKBRIDGE
PROJECT NUMBER: BRF 013-4(21)

FILE NAME: sf238rein
PROJECT MANAGER: K. HIGGINS
DESIGNED BY: T. FILLBACH
REINFORCING STEEL SCHEDULE SHEET #1

PLOT DATE: 1/28/2008
DRAWN BY: R. PELLETT
CHECKED BY: J. LACROIX
SHEET 99 OF 144