STATE OF VERMONT
AGENCY OF TRANSPORTATION

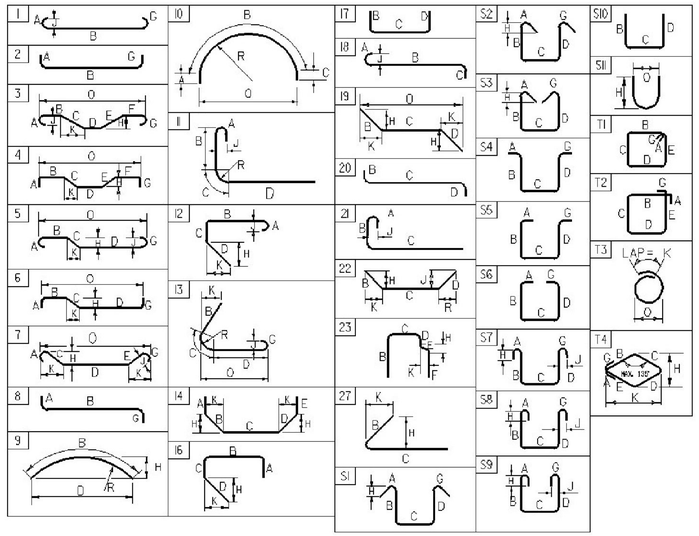
REINFORCING STEEL SCHEDULE

	ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	ABUTMENT 1																	
	10	5		34'- 6"	1EA500	STR												
	5	5		21'- 9"	1EA501	STR												
✳	75	5		6'- 6"	1EA502	STR												
	16	5		35'- 6"	1EA503	STR												
	12	5		4'- 0"	1EA504	STR												
	20	5		6'- 6"	1EA505	STR												
	4	5		11'- 1"	1EA550	19		0'- 0"	7'- 11"	3'- 2"				1'- 5"		2'- 11"		
	88	5		7'- 9"	1EA551	2	0'- 10"	6'- 11"					0'- 0"					
	56	5		5'- 6"	1EA552	17		2'- 6"	0'- 6"	2'- 6"								
	23	5		5'- 7"	1EA553	2	0'- 10"	4'- 9"					0'- 0"					
	23	5		5'- 6"	1EA554	17		1'- 6"	2'- 6"	1'- 6"								
	ABUTMENT 2																	
	6	5		20'- 6"	2EA500	STR												
	16	5		9'- 0"	2EA501	STR												
	76	5		4'- 6"	2EA502	STR												
	12	5		37'- 0"	2EA503	STR												
	22	5		3'- 6"	2EA504	STR												
	44	5		5'- 5"	2EA550	17		4'- 7"	0'- 10"	0'- 0"								
	28	5		4'- 7"	2EA551	2	0'- 10"	3'- 9"					0'- 0"					
	4	5		3'- 11"	2EA552	2	0'- 10"	3'- 1"					0'- 0"					
	38	5		3'- 4"	2EA553	17		1'- 5"	0'- 6"	1'- 5"								

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. 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: **BROOKFIELD**
PROJECT NUMBER: **BRF FLBR(2)**

FILE NAME: **z12E134rss.xls**
PROJECT MANAGER: **J. OLUND**
DESIGNED BY: **T. POULIN**
REINFORCING STEEL SCHEDULE

PLOT DATE: **9/25/2013**
DRAWN BY: **T. POULIN**
CHECKED BY: **S. MORGAN**
SHEET **58** OF **70**