STATE OF VERMONT
AGENCY OF TRANSPORTATION

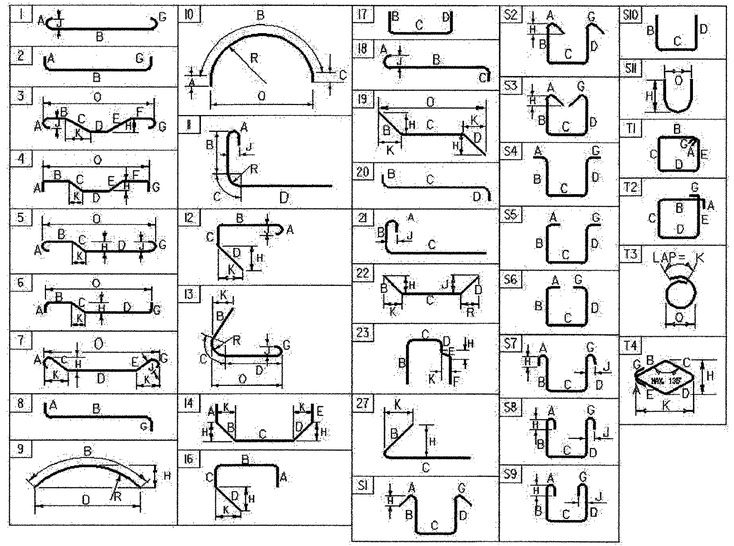
REINFORCING STEEL SCHEDULE

	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
OUTLET APRON																	
▲	26	5	25'- 6"	1A501	STR												
▲	58	5	24'- 10"	1A502	STR												
	52	5	3'- 11"	1A503	STR												
▲	4	5	26'- 0"	1A504	STR												
	27	5	5'- 10"	1A505	S5	0'- 10"	2'- 3"	0'- 6"	1'- 5"			0'- 10"					
✳ ▲	26	6	25'- 6"	1A601	STR												
	50	7	7'- 9"	1A701	17		----	3'- 0"	4'- 9"								
WINGWALL NO. 1																	
✳ ▲	48	5	14'- 7"	1W501	STR		(USE CUT ENDS FOR 2W501 IN WINGWALL NO. 2)										
▲	26	5	27'- 6"	1W502	STR		(USE CUT ENDS FOR 2W502 IN WINGWALL NO. 2)										
	2	5	27'- 0"	1W503	19		----	26'- 2"	0'- 10"				0'- 4"		0'- 9"		
WINGWALL NO. 2																	
▲				2W501			(USE CUT ENDS FROM 1W501 IN WINGWALL NO. 1)										
▲				2W502			(USE CUT ENDS FROM 1W502 IN WINGWALL NO. 1)										
	2	5	27'- 0"	2W503	19		----	26'- 2"	0'- 10"				0'- 4"		0'- 9"		
INLET APRON																	
▲	22	5	25'- 6"	2A501	STR												
▲	58	5	21'- 0"	2A502	STR												
	44	5	3'- 11"	2A503	STR												
▲	4	5	26'- 0"	2A504	STR												
	27	5	5'- 10"	2A505	S5	0'- 10"	2'- 3"	0'- 6"	1'- 5"			0'- 10"					
✳ ▲	22	6	25'- 6"	2A601	STR												
	42	7	7'- 9"	2A701	17		----	3'- 0"	4'- 9"								
WINGWALL NO. 3																	
✳ ▲	41	5	14'- 7"	3W501	STR		(USE CUT ENDS FOR 4W501 IN WINGWALL NO. 4)										
▲	26	5	23'- 1"	3W502	STR		(USE CUT ENDS FOR 4W502 IN WINGWALL NO. 4)										
	2	5	22'- 9"	3W503	19		----	21'- 11"	0'- 10"				0'- 4"		0'- 9"		
WINGWALL NO. 4																	
▲				4W501			(USE CUT ENDS FROM 3W501 IN WINGWALL NO. 3)										
▲				4W502			(USE CUT ENDS FROM 3W502 IN WINGWALL NO. 3)										
	2	5	22'- 9"	4W503	19		----	21'- 11"	0'- 10"				0'- 4"		0'- 9"		

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 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

BR505

ALL STEEL DETAILED ON THIS SHEET TO BE EPOXY COATED

PROJECT NAME: **FAIRFAX-FAIRFIELD-ST. ALBANS**
PROJECT NUMBER: **IM 089-3 (27)**

FILE NAME: **sa056_883rf.xls**
PROJECT LEADER: **R. R. WHITCOMB**
DESIGNED BY: **P. PERRY**
88-3 REINFORCING STEEL SCHEDULE

PLOT DATE: **9/20/00**
DRAWN BY: **G. ROY**
CHECKED BY: **G. ROY**
SHEET 249 OF 370