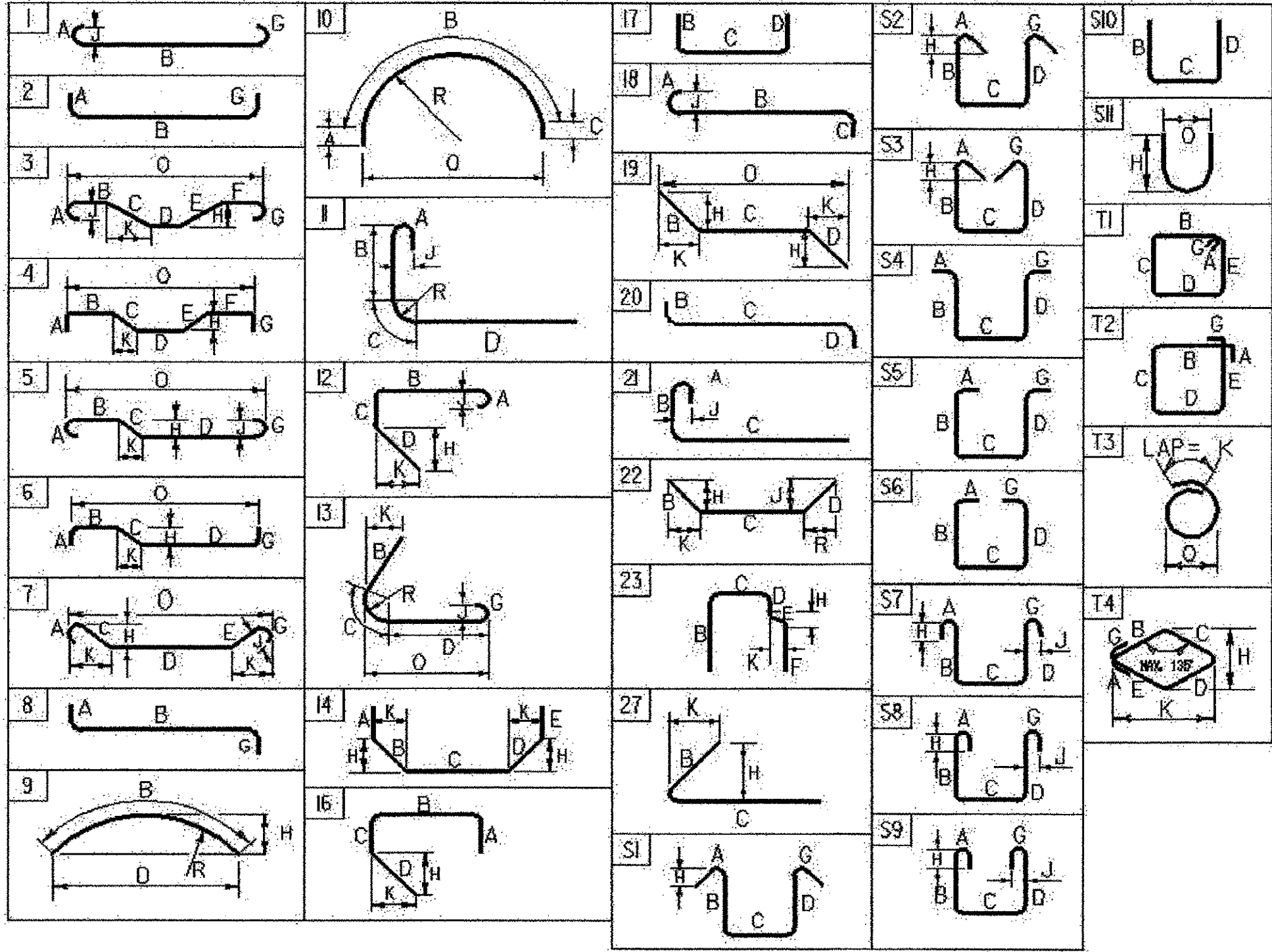


REINFORCING STEEL SCHEDULE

	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		
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"																				

~ 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.
- E IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS				
BAR SIZE DESIGNA- TION	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

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