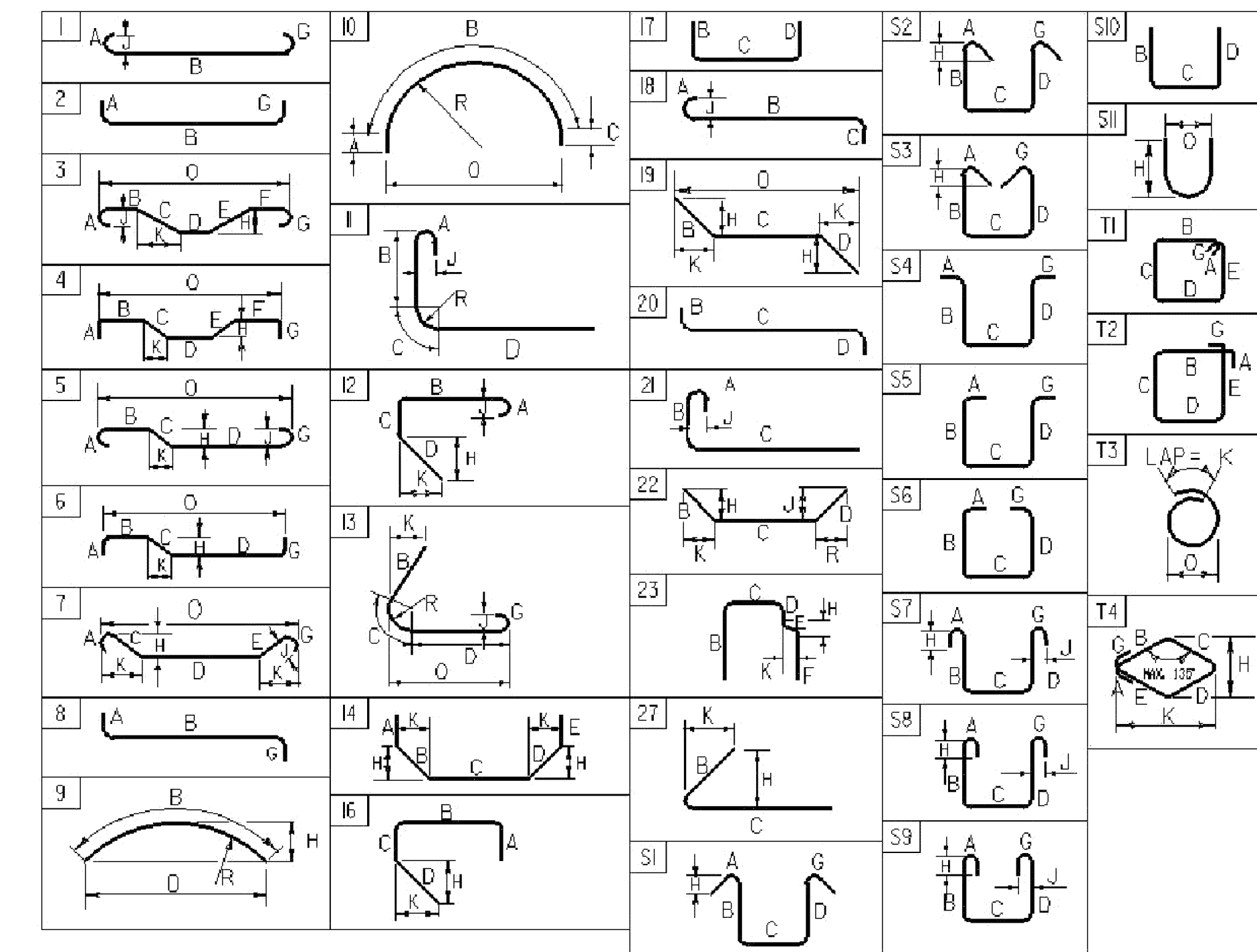


REINFORCING STEEL SCHEDULE

ITEM	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				
DECK- SIDEWALK																																							
*	23	5	33'- 4"	ES501	STR	33'- 4"																																	
	68	5	3'- 5"	ES502	S10		1'- 6"	0'- 5"	1'- 6"																														
ABUTMENT 1																																							
WINGWALL NO. 1																																							
* ▲	14	5	5'- 0"	1W501	STR	5'- 0"																																	
+	▲	13	5	4'- 0"	1W503	STR	4'- 0"																																
	5	5	3'- 6"	1W502	S10		1'- 3"	1'- 0"	1'- 3"																														
WINGWALL NO. 2																																							
+ ▲	24	5	5'- 0"	2W501	STR	5'- 0"																																	
▲	6	5	4'- 0"	2W503	STR	4'- 0"																																	
#	5	5	6'- 4"	2W504	STR	6'- 4"																																	
	4	5	3'- 6"	2W502	S10		1'- 3"	1'- 0"	1'- 3"																														
	7	5	1'- 6"	2W505	S10		0'- 6"	0'- 6"	0'- 6"																														
ABUTMENT 2																																							
WINGWALL NO. 4.																																							
+ ▲	31	5	5'- 0"	4W501	STR	5'- 0"																																	
# ▲	16	5	4'- 0"	4W503	STR	4'- 0"																																	
	10	5	3'- 6"	4W502	S10		1'- 3"	1'- 0"	1'- 3"																														
RETAINING WALL																																							
*	41	5	18'- 4"	1R501	STR	18'- 4"																																	
	36	5	4'- 11"	1R503	STR	4'- 11"																																	
	36	5	3'- 3"	1R505	STR	3'- 3"																																	
	36	5	4'- 11"	1R502	17		2'- 1"	0'- 9"	2'- 1"																														
	36	5	8'- 2"	1R504	17		4'- 11"	3'- 3"																															

~ 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-S1). 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 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: FAIRFAX
PROJECT NUMBER: BHF 023-1(5)

FILE NAME: s86e064rss.dgn
PROJECT MANAGER: C. CARLSON
DESIGNED BY: C. CARLSON
REINFORCING STEEL SCHEDULE

PLOT DATE: 7/10/2009
DRAWN BY: C. MOONEY
CHECKED BY: C. CARLSON
SHEET 45 OF 61