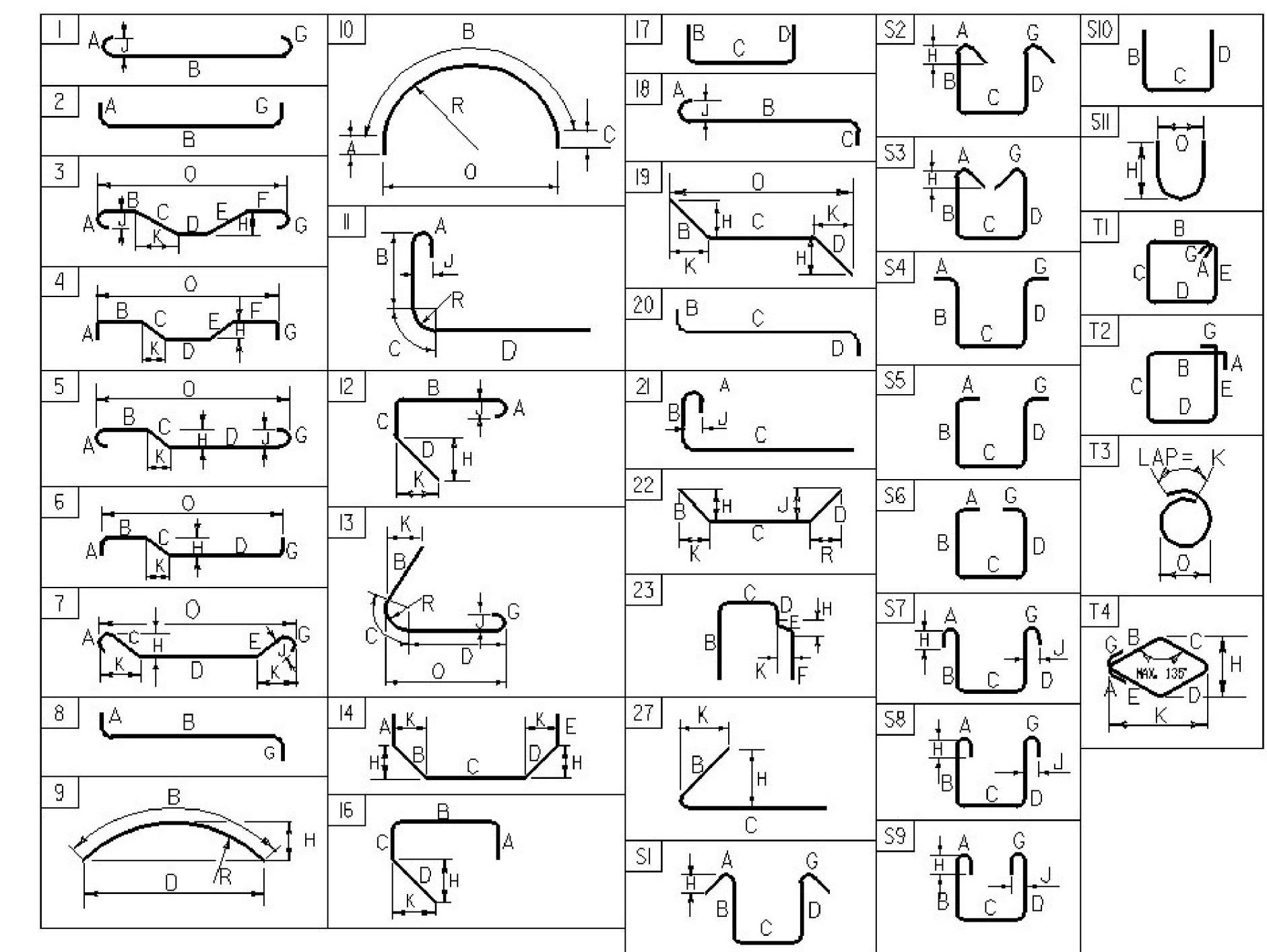


REINFORCING STEEL SCHEDULE

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
ABUTMENT NO. 1																		ABUTMENT NO. 2																	
16	4	2'-0"	1A401	STR														16	4	2'-0"	2A401	STR													
35	5	9'-6"	1A501	STR														25	5	9'-6"	2A501	STR													
▲ 3	5	4'-7"	1A502	STR														▲ 3	5	4'-7"	2A502	STR													
* 3	5	6'-8"	1A503	STR														* ▲ 5	5	7'-1"	2A503	STR													
30	5	7'-6"	1A504	STR														29	5	7'-6"	2A504	STR													
▲ 6	5	7'-1"	1A505	STR														▲ 6	5	7'-1"	2A505	STR													
▲ 4	5	3'-11"	1A506	STR														▲ 4	5	3'-11"	2A506	STR													
22	5	21'-2"	1A507	STR														22	5	15'-11"	2A507	STR													
18	5	30'-0"	1A508	STR														18	5	30'-0"	2A508	STR													
18	5	13'-5"	1A509	STR														18	5	13'-5"	2A509	STR													
22	5	17'-0"	1A510	STR														22	5	12'-1"	2A510	STR													
36	5	5'-10"	1A511	2	0'-10"	5'-0"						0'-0"						26	5	5'-10"	2A511	2	0'-10"	5'-0"					0'-0"						
42	5	7'-6"	1A512	STR														42	5	7'-6"	2A512	STR													
10	5	19'-6"	1A513	STR														10	5	14'-4"	2A513	STR													
10	5	19'-6"	1A514	STR														10	5	14'-4"	2A514	STR													
25	5	8'-8"	1A515	STR														15	5	8'-8"	2A515	STR													
11	5	11'-4"	1A516	STR														13	5	11'-4"	2A516	STR													
4	5	6'-6"	1A517	19		2'-0"	4'-6"						1'-5"		1'-5"		5'-11"	4	5	6'-6"	2A517	19		2'-0"	4'-4"				1'-5"		1'-5"		5'-8"		
4	5	3'-1"	1A518	19		1'-1"	2'-0"						0'-9"		0'-9"		2'-9"	4	5	3'-0"	2A518	19		0'-9"	2'-0"				0'-6"		0'-6"		2'-6"		
32	5	30'-0"	1A519	STR														32	5	30'-0"	2A519	STR													
16	5	13'-6"	1A520	STR														16	5	13'-6"	2A520	STR													
16	5	17'-6"	1A521	STR														16	5	17'-6"	2A521	STR													
4	5	7'-4"	1A522	19		2'-0"	5'-4"						1'-9"		1'-0"		6'-4"	4	5	7'-5"	2A522	19		2'-0"	5'-5"				1'-9"		1'-0"		6'-5"		
4	5	4'-2"	1A523	19		2'-2"	2'-0"						1'-11"		1'-1"		3'-1"	4	5	4'-4"	2A523	19		2'-4"	2'-0"				1'-9"		1'-0"		3'-0"		
10	5	15'-3"	1A524	STR														10	5	10'-5"	2A524	STR													
10	5	13'-6"	1A525	STR														10	5	8'-7"	2A525	STR													
20	5	5'-0"	1A526	19		2'-6"	2'-6"						1'-9"		1'-9"		4'-3"	20	5	5'-0"	2A526	19		2'-6"	2'-6"				1'-9"		1'-9"		4'-3"		
10	5	5'-0"	1A527	19		2'-6"	2'-6"						1'-9"		1'-9"		4'-3"	10	5	5'-0"	2A527	19		2'-6"	2'-6"				1'-9"		1'-9"		4'-3"		
20	5	5'-0"	1A528	19		2'-6"	2'-6"						1'-9"		1'-9"		4'-3"	20	5	5'-0"	2A528	19		2'-6"	2'-6"				1'-9"		1'-9"		4'-3"		
10	5	18'-11"	1A529	22		2'-6"	13'-11"	2'-6"					1'-3"	1'-3"	2'-2"	2'-2"		10	5	18'-11"	2A529	22		2'-6"	13'-11"	2'-6"			1'-3"	1'-3"	2'-2"	2'-2"			
44	6	6'-5"	1A601	2	0'-12"	5'-5"							0'-0"					44	6	6'-5"	2A601	2	0'-12"	5'-5"					0'-0"						
* 45	6	11'-2"	1A602	STR														* 44	6	11'-4"	2A602	STR													
3	6	30'-0"	1A603	STR														3	6	30'-0"	2A603	STR													
3	6	18'-4"	1A604	STR														3	6	18'-4"	2A604	STR													
23	6	13'-8"	1A605	17		5'-0"	3'-8"	5'-0"										23	6	13'-8"	2A605	17		5'-0"	3'-8"	5'-0"									
5	6	11'-8"	1A606	17		5'-0"	1'-8"	5'-0"										5	6	11'-8"	2A606	17		5'-0"	1'-8"	5'-0"									
1	6	12'-8"	1A607	17		5'-0"	2'-8"	5'-0"										1	6	12'-8"	2A607	17		5'-0"	2'-8"	5'-0"									
36	7	7'-7"	1A701	2	1'-2"	6'-5"							0'-0"					22	7	7'-7"	2A701	2	1'-2"	6'-5"					0'-0"						
* 31	7	8'-8"	1A702	STR														* 19	7	8'-8"	2A702	STR													
5	7	11'-4"	1A703	STR														5	7	11'-4"	2A703	STR													
85	8	7'-9"	1A801	2	1'-4"	6'-5"							0'-0"					* 84	8	8'-9"	2A801	2	1'-4"	7'-5"					0'-0"						
* 42	8	9'-6"	1A802	STR														* 30	8	9'-6"	2A802	STR													
▲ 9	8	9'-6"	1A803	STR														▲ 9	8	9'-6"	2A803	STR													
▲ 13	8	10'-0"	1A804	STR														▲ 13	8	10'-1"	2A804	STR													
84	8	11'-2"	1A805	STR														84	8	11'-4"	2A805	STR													

~ 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 A615-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: **FAIRFIELD**
 PROJECT NUMBER: **BRO 1448(38)**
 FILE NAME: **z11j072rein.xls** PLOT DATE: **11/01/2013**
 PROJECT MANAGER: **D. LANDRY** DRAWN BY: **P. DUSTIN**
 DESIGNED BY: **T. TRAVER** CHECKED BY: **T. KENDRICK**
REINFORCING STEEL SCHEDULE SHEET **33** OF **41**