

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																																			
* ▲	504	5	35'-0"	ES501	STR	35'-0"																													
	237	5	43'-5"	ES502	STR	43'-5"																													
	25	8	6'-0"	ES801	STR	6'-0"																													
	258	5	4'-8"	ES503	2	2'-0"	2'-8"																												
	258	5	4'-8"	ES504	2	2'-0"	2'-8"																												
	125	5	12'-1"	ES505	S5	2'-2"	1'-0"	5'-9"	1'-0"																										
	38	5	8'-2"	ES506	S5	2'-2"	0'-9"	2'-4"	0'-9"																										
	38	5	5'-9"	ES507	S5	---	0'-9"	2'-4"	0'-8"	9"																									
	38	5	6'-11"	ES508	23		2'-4"	0'-6"	0'-9"		0'-4"	3'-0"																							
APPROACH SLAB #1																																			
▲	21	5	29'-6"	1EAS501	STR	29'-6"																													
▲	34	9	20'-9"	1EAS901	1	1'-3"	19'-6"																												
APPROACH SLAB #2																																			
▲	21	5	28'-7"	2EAS501	STR	28'-7"																													
▲	34	9	21'-5"	2EAS901	1	1'-3"	20'-2"																												
ABUTMENT #1																																			
▲	13	5	23'-6"	1A501	STR	23'-6"																													
▲	27	5	6'-0"	1A502	STR	6'-0"																													
▲	25	5	8'-10"	1A503	STR	8'-10"																													
▲	17	5	18'-10"	1A504	STR	18'-10"																													
▲	21	5	7'-6"	1A505	STR	7'-6"																													
▲	19	5	13'-6"	1A506	STR	13'-6"																													
▲	19	5	6'-6"	1A507	STR	6'-6"																													
▲	18	5	17'-1"	1A510	STR	17'-1"																													
▲	16	5	41'-10"	1A511	STR	41'-10"																													
▲	36	8	10'-0"	1A801	STR	10'-0"																													
▲	20	6	19'-6"	1A601	2		6'-6"	13'-0"																											
▲	27	7	14'-1"	1A701	2		5'-1"	9'-0"																											
	19	5	7'-11"	1A512	17		2'-2"	3'-7"	2'-2"																										
	43	5	5'-11"	1A513	17		2'-2"	1'-7"	2'-2"																										
	38	5	5'-11"	1A514	17		2'-8"	0'-7"	2'-8"																										
	4	5	5'-0"	1A517	17		1'-8"	1'-8"	1'-8"																										
	26	5	4'-4"	1A515	19		2'-2"	2'-2"	---																										
	7	5	11'-7"	1A508	19		2'-2"	7'-3"	2'-2"																										
	7	5	8'-0"	1A509	20		2'-2"	3'-8"	2'-2"																										
	7	5	16'-6"	1A516	22		2'-2"	12'-2"	2'-2"																										
WINGWALL #1																																			
▲	20	5	12'-0"	1W501	STR	12'-0"																													
▲	22	5	9'-0"	1W502	STR	9'-0"																													
	11	5	5'-11"	1W503	17		2'-2"	1'-7"	2'-2"																										
▲	2	5	12'-0"	1W504	19		2'-0"	10'-0"																											
WINGWALL #2																																			
▲	11	5	22'-1"	2W501	STR	22'-1"																													
▲	20	5	14'-9"	2W502	STR	14'-9"																													
▲	28	5	18'-6"	2W503	STR	18'-6"																													
	31	5	16'-10"	2W504	2	2'-1"	14'-9"																												
	16	5	5'-11"	2W505	17		2'-2"	1'-7"	2'-2"																										
	2	5	16'-6"	2W506	19		2'-2"	14'-4"																											
	31	6	7'-0"	2W601	STR	7'-0"																													

ABUTMENT #2

▲	47	5	4'-7"	2A501	STR	4'-7"											
▲	96	5	8'-5"	2A502	STR	8'-5"											
▲	26	5	46'-0"	2A503	STR	46'-0"											
▲	4	5	4'-9"	2A504	STR	4'-9"											
▲	47	5	6'-9"	2A505	2	2'-2"	4'-7"										
	47	5	7'-11"	2A506	17		2'-2"	3'-7"	2'-2"								
	50	5	5'-11"	2A507	17		2'-2"	1'-7"	2'-2"								
	38	5	6'-5"	2A508	17		2'-11"	0'-7"	2'-11"								
	22	5	4'-4"	2A511	22		2'-2"	2'-2"	---								
	20	5	4'-4"	2A509	22		2'-2"	2'-2"	---								
	2	5	15'-11"	2A510	22		2'-2"	11'-7"	2'-2"								
	3	5	13'-8"	2A512	22		2'-2"	9'-4"	2'-2"								
	4	5	5'-0"	2A513	17		1'-8"	1'-8"	1'-8"								
	190	6	8'-6"	2A601	STR	7'-11"											
	72	6	24'-4"	2A602	STR	24'-4"											

WINGWALL #3

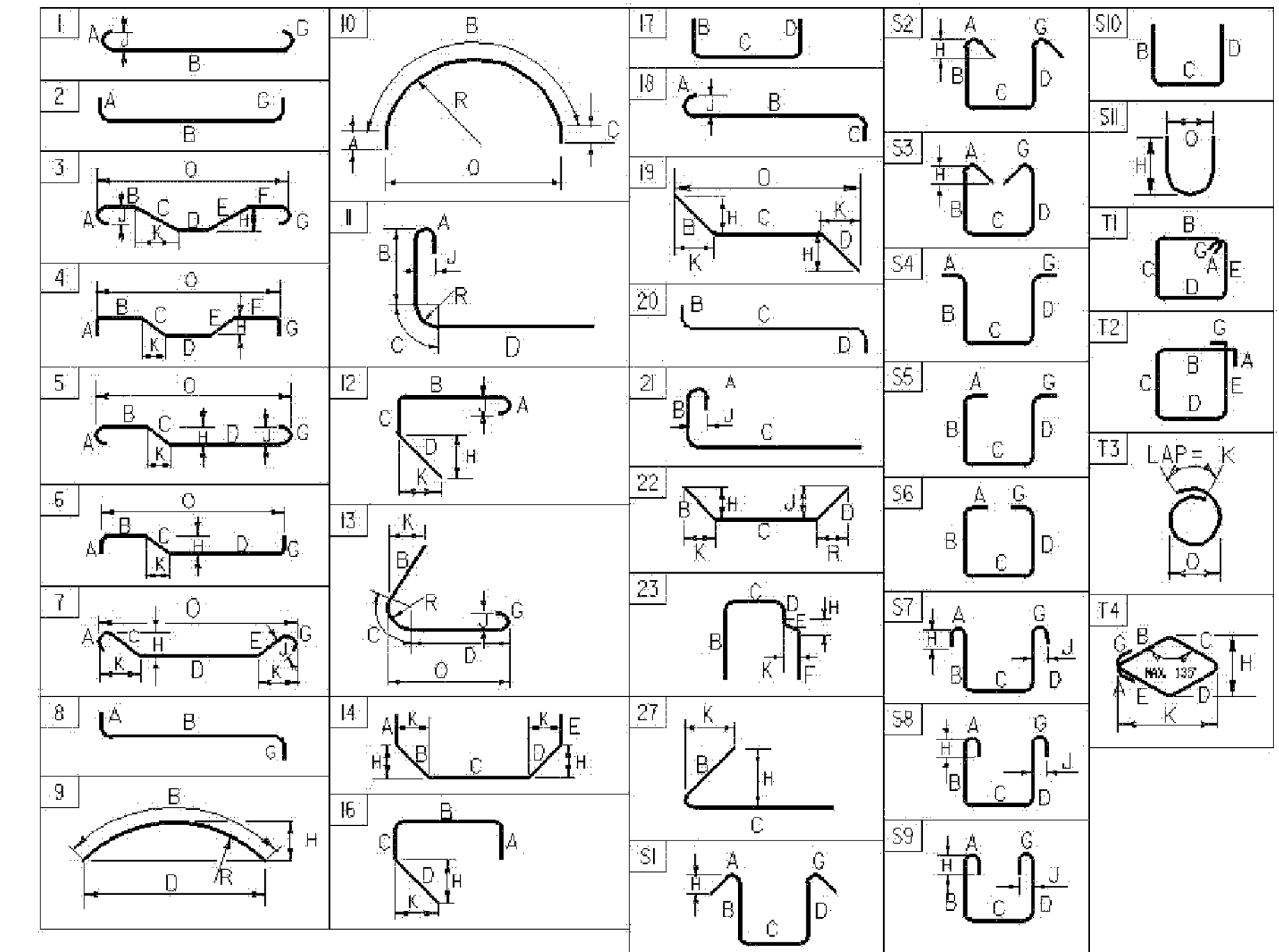
▲	22	5	10'-6"	3W501	STR	10'-6"											
▲	24	5	10'-0"	3W502	STR	10'-0"											
	2	5	8'-6"	3W504	22		3'-9"	4'-9"	---								
	8	5	5'-11"	3W503	S10		2'-2"	1'-7"	2'-2"								

WINGWALL #4

▲	18	5	10'-6"	4W501	STR	10'-6"											
▲	24	5	8'-0"	4W502	STR	8'-0"											
	2	5	8'-6"	4W504	STR	8'-6"											
	8	5	5'-11"	4W503	S10		2'-2"	1'-7"	2'-2"								

~ 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 DENOTES LEVEL 2 REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS				
BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL 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: **BARRE TOWN**
 PROJECT NUMBER: **BRF 6100(7)**
 FILE NAME: s06j002_rss.xls
 PROJECT MANAGER: J. LACROIX
 DESIGNED BY: T. FILLBACH
 REINFORCING STEEL SCHEDULE

PLOT DATE: 9/11/2012
 DRAWN BY: R. PELLETT
 CHECKED BY: T. FILLBACH
 SHEET 53 OF 70