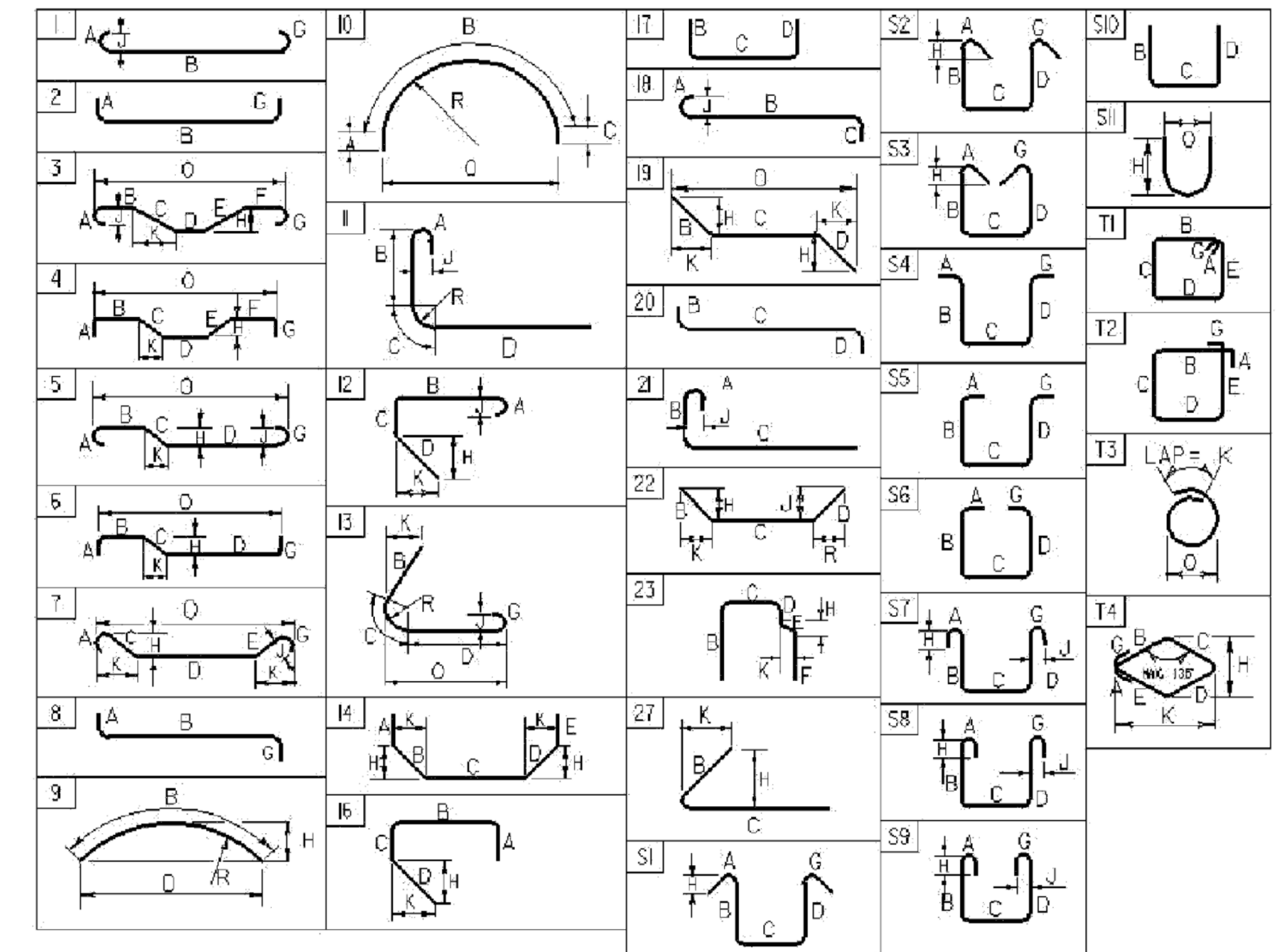


REINFORCING STEEL SCHEDULE

~ 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-S). 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: **SPRINGFIELD**
PROJECT NUMBER: **STP 016-2 (10S)**

FILE NAME: 00B124\structures\sb124rss.xls PLOT DATE: 07/08/2004
PROJECT MANAGER: R. R. WHITCOMB DRAWN BY: G. ROY
DESIGNED BY: G. ROY CHECKED BY: J. PERRIGO
REINFORCING STEEL SCHEDULE SHEET #1 SHEET 53 OF 72

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		
WALL NO. 1																		WALL NO. 3																			
▲	20	5	9'- 2"	1W501	STR													20	5	19'- 6"	3W501	STR															
▲	9	5	20'- 11"	1W502	STR													20	5	4'- 0"	3W502	STR															
	4	5	21'- 9"	1W503	STR													▲	20	5	17'- 4"	3W503	STR														
	20	5	2'- 0"	1W504	STR													* ▲	35	5	19'- 6"	3W504	STR														
	10	5	3'- 4"	1W505	19		2'- 6"	0'- 10"	---				0'- 10"		0'- 2"			20	5	2'- 0"	3W507	STR															
	28	8	2'- 6"	1W801	17		1'- 3"	1'- 3"	---									5	5	19'- 8"	3W508	STR															
WALL NO. 2																		WALL NO. 4																			
▲	31	5	15'- 9"	2W501A	STR													10	5	3'- 7"	3W505	22		1'- 6"	0'- 7"	1'- 8"				---	1'- 5"	---	0'- 3"				
▲	31	5	19'- 10"	2W501B	STR													10	5	3'- 4"	3W506	17		2'- 6"	0'- 10"	---											
▲	31	5	19'- 10"	2W501C	STR													40	6	16'- 0"	3W801	17		9'- 7"	6'- 5"	---											
▲	31	5	21'- 2"	2W501D	STR													* ▲	21	6	11'- 11"	3W802	STR														
▲	31	5	17'- 10"	2W501E	STR													* ▲	21	8	10'- 4"	3W801	STR														
▲	31	5	15'- 9"	2W501F	STR													WALL NO. 4																			
▲	31	5	16'- 11"	2W501G	STR													▲	34	5	14'- 3"	4W501	STR														
▲	31	5	18'- 9"	2W501H	STR													▲	13	5	35'- 8"	4W502	STR														
▲	31	5	19'- 2"	2W501I	STR													4	5	36'- 9"	4W503	STR															
▲	31	5	19'- 2"	2W501J	STR													34	5	2'- 0"	4W504	STR															
▲	31	5	18'- 9"	2W501K	STR													17	5	3'- 4"	4W505	19		2'- 6"	0'- 10"	---				0'- 10"		0'- 2"					
▲	31	5	18'- 10"	2W501L	STR													CONCRETE STEPS																			
▲	31	5	16'- 4"	2W501M	STR													2	5	10'- 0"	CS501	9		10'- 0"					1'- 11"		0'- 3"	0'- 11"					
* ▲	32	5	14'- 4"	2W501N	STR													6	5	5'- 9"	CS502	STR															
▲	31	5	18'- 4"	2W501O	STR													HEADWALL																			
▲	31	5	19'- 6"	2W501P	STR													12	5	3'- 5"	5W503	STR															
▲	31	5	19'- 6"	2W501Q	STR													* 26	5	5'- 9"	5W505	STR															
▲	31	5	20'- 10"	2W501R	STR													8	5	2'- 9"	5W508	STR															
▲	31	5	20'- 6"	2W501S	STR													▲	8	5	13'- 0"	5W501	19		3'- 0"	10'- 0"	---				1'- 6"		2'- 7"				
▲	31	5	20'- 0"	2W501T	STR													19	5	5'- 4"	5W502	17		0'- 10"	4'- 6"	---											
▲	16	5	30'- 0"	2W502A	STR													13	5	4'- 6"	5W504	17		1'- 1"	3'- 5"	---											
▲	19	5	31'- 11"	2W502B	STR													▲	14	5	11'- 2"	5W506	19		2'- 1"	9'- 1"	---				1'- 1"		1'- 10"				
▲	21	5	29'- 9"	2W502C	STR													6	5	4'- 1"	5W507	17		1'- 6"	1'- 1"	1'- 6"											
▲	20	5	34'- 4"	2W502D	STR													CONCRETE STEPS																			
▲	17	5	29'- 9"	2W502E	STR													2	5	10'- 0"	CS501	9		10'- 0"					1'- 11"		0'- 3"	0'- 11"					
▲	17	5	31'- 11"	2W502F	STR													6	5	5'- 9"	CS502	STR															
▲	17	5	30'- 0"	2W502G	STR													HEADWALL																			
▲	19	5	31'- 11"	2W502H	STR													12	5	3'- 5"	5W503	STR															
▲	20	5	29'- 9"	2W502I	STR													* 26	5	5'- 9"	5W505	STR															
▲	19	5	34'- 4"	2W502J	STR													8	5	2'- 9"	5W508	STR															
▲	19	5	29'- 9"	2W502K	STR													▲	8	5	13'- 0"	5W501	19		3'- 0"	10'- 0"	---				1'- 6"		2'- 7"				
▲	17	5	31'- 11"	2W502L	STR													19	5	5'- 4"	5W502	17		0'- 10"	4'- 6"	---											
▲	16	5	30'- 0"	2W502M	STR													13	5	4'- 6"	5W504	17		1'- 1"	3'- 5"	---											
▲	14	5	31'- 11"	2W502N	STR													▲	14	5	11'- 2"	5W506	19		2'- 1"	9'- 1"	---				1'- 1"		1'- 10"				
▲	18	5	29'- 9"	2W502O	STR													6	5	4'- 1"	5W507	17		1'- 6"	1'- 1"	1'- 6"											
▲	19	5	34'- 4"	2W502P	STR													CONCRETE STEPS																			
▲	21	5	29'- 9"	2W502Q	STR													2	5	10'- 0"	CS501	9		10'- 0"					1'- 11"		0'- 3"	0'- 11"					
▲	20	5	31'- 11"	2W502R	STR													6	5	5'- 9"	CS502	STR															
▲	20	5	30'- 0"	2W502S	STR													HEADWALL																			
▲	20	5	31'- 11"	2W502T	STR													12	5	3'- 5"	5W503	STR															
4	5	30'- 9"	2W503A	19		10'- 1"	20'- 8"	---					1'- 3"		10'- 0"		* 26	5	5'- 9"	5W505	STR																
4	5	32'- 1"	2W503B	19		9'- 9"	22'- 4"	---					1'- 3"		9'- 11"		8	5	2'- 9"	5W508	STR																
3	5	29'- 9"	2W503C	STR														▲	8	5	13'- 0"	5W501	19		3'- 0"	10'- 0"	---				1'- 6"		2'- 7"				
4	5	34'- 6"	2W503D	19		2'- 2"	32'- 4"	---					0'- 3"		2'- 2"		19	5	5'- 4"	5W502	17		0'- 10"	4'- 6"	---												
4	5	29'- 11"	2W503E	STR														13	5	4'- 6"	5W504	17		1'- 1"	3'- 5"	---											
3	5	31'- 11"	2W503F	STR														▲	14	5	11'- 2"	5W506	19		2'- 1"	9'- 1"	---				1'- 1"		1'- 10"				
4	5	30'- 1"	2W503G	19		10'- 1"	20'- 0"	---					1'- 2"		10'- 0"		6	5	4'- 1"	5W507	17		1'- 6"	1'- 1"	1'- 6"												