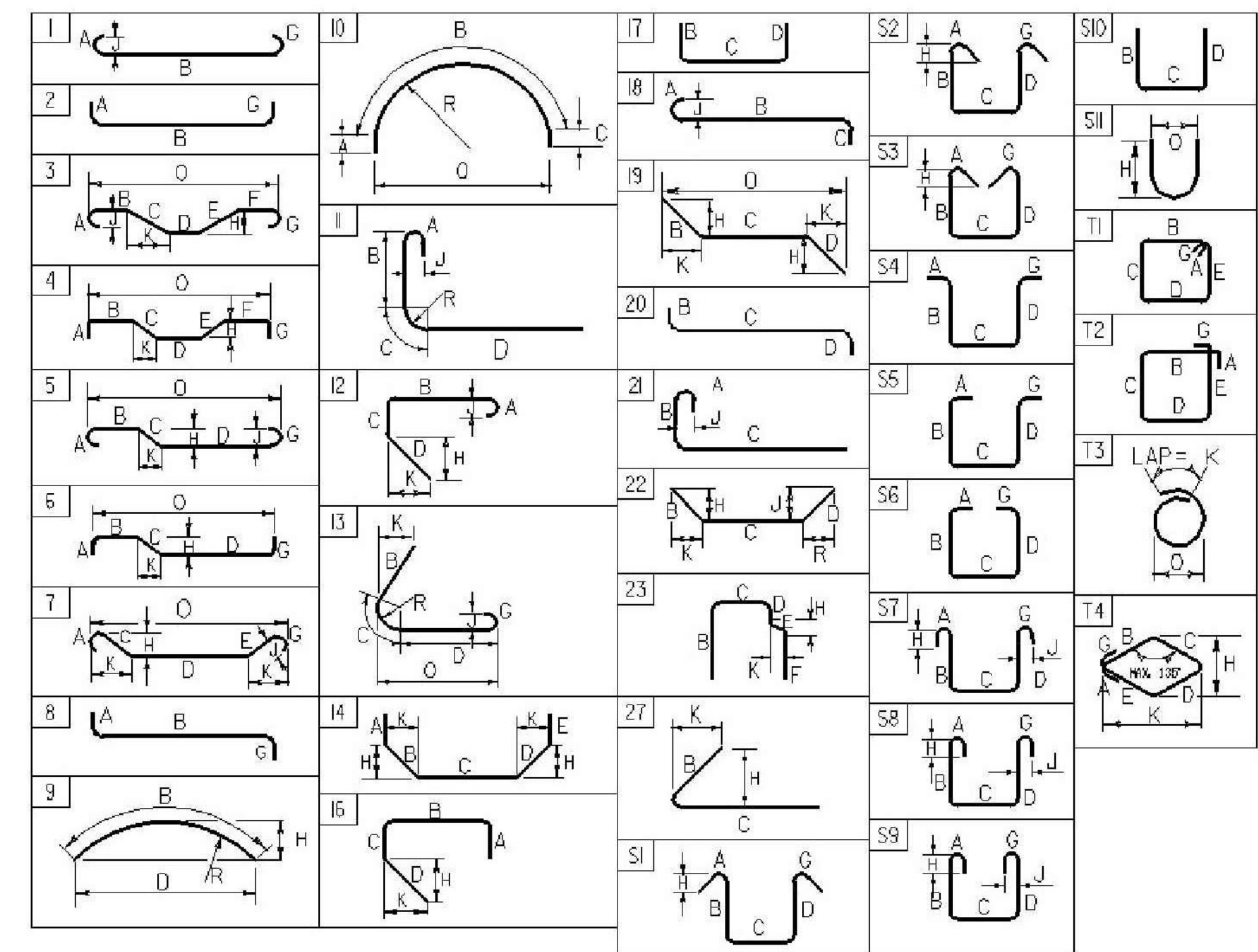


REINFORCING STEEL SCHEDULE

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 1 REINFORCEMENT																																			
*	23	4	35'- 1"	1A400.2	STR																														
	5	6	21'- 9"	1A600.2	STR																														
	2	6	20'- 3"	1A601.2	STR																														
	20	6	4'- 8"	1A602.2	STR																														
	15	6	3'- 11"	1A603.2	STR																														
	6	6	4'- 6"	1A604.2	STR																														
	6	6	2'- 1"	1A605.2	STR																														
	24	8	4'- 10"	1A800.2	STR																														
*	12	5	6'- 3"	1A550.2	S5	0'- 10"	0'- 6"	1'- 5"	0'- 3"							3'- 3"																			
	32	6	11'- 2"	1A650.2	17		3'- 8"	3'- 10"	3'- 8"																										
	7	6	14'- 2"	1A651.2	17		5'- 2"	3'- 10"	5'- 2"																										
	32	6	12'- 8"	1A652.2	17		4'- 11"	2'- 10"	4'- 11"																										
	32	6	6'- 2"	1A653.2	14	0'- 11"	1'- 11"	3'- 4"	0'- 0"	0'- 0"				1'- 5"		1'- 5"																			
*	5	6	14'- 0"	1A654.2	17		5'- 2"	3'- 8"	5'- 2"																										
	5	8	12'- 10"	1A850.2	1	0'- 11"	11'- 11"	0'- 0"																											
*	6	8	11'- 9"	1A851.2	1	0'- 11"	10'- 10"	0'- 0"																											
ABUTMENT 2 REINFORCEMENT																																			
	22	4	35'- 1"	2A400.2	STR																														
	5	6	21'- 9"	2A600.2	STR																														
	2	6	20'- 3"	2A601.2	STR																														
	20	6	4'- 8"	2A602.2	STR																														
	15	6	3'- 11"	2A603.2	STR																														
	6	6	4'- 6"	2A604.2	STR																														
	6	6	2'- 1"	2A605.2	STR																														
	24	8	4'- 10"	2A800.2	STR																														
	11	5	6'- 3"	2A550.2	S5	0'- 10"	0'- 6"	1'- 5"	0'- 3"							3'- 3"																			
	32	6	11'- 2"	2A650.2	17		3'- 8"	3'- 10"	3'- 8"																										
	7	6	14'- 2"	2A651.2	17		5'- 2"	3'- 10"	5'- 2"																										
	32	6	12'- 8"	2A652.2	17		4'- 11"	2'- 10"	4'- 11"																										
	32	6	6'- 2"	2A653.2	14	0'- 11"	1'- 11"	3'- 4"	0'- 0"	0'- 0"				1'- 5"		1'- 5"																			
	4	6	14'- 0"	2A654.2	17		5'- 2"	3'- 8"	5'- 2"																										
	5	8	12'- 10"	2A850.2	1	0'- 11"	11'- 11"	0'- 0"																											
	5	8	11'- 9"	2A851.2	1	0'- 11"	10'- 10"	0'- 0"																											

~ 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.
- .2 IN BAR MARK SUFFIX DENOTES LEVEL II REINFORCING STEEL.
- 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:	CAVENDISH
PROJECT NUMBER:	ER BR F 0146(13)
FILE NAME: z11c318rss.xls	PLOT DATE: 6/11/2013
PROJECT MANAGER: J. OLUND	DRAWN BY: T. POULIN
DESIGNED BY: T. POULIN	CHECKED BY: J. OLUND
REINFORCING STEEL SCHEDULE	SHEET 38 OF 49