

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
SPAN 1																																			
*	451	16	9990	ES1601	STR																														
▲	610	16	10340	ES1602	STR																														
	458	16	1590	ES1603	S5	200	435	415	305			200																							
	28	16	2070	ES1604	S5	1200	275	440	150																										
*	29	16	2970	ES1605	S5	1700	275	840	150																										
APPROACH SLAB 1																																			
△	23	16	9140	1EAS1601	STR																														
*	39	29	4730	1EAS2901	STR																														
*	39	29	3355	1EAS2902	1	375	2980							300																					
APPROACH SLAB 2																																			
△	23	16	9140	2EAS1601	STR																														
*	39	29	4730	2EAS2901	STR																														
*	39	29	3355	2EAS2902	1	375	2980							300																					
ABUT # 1																																			
▲	108	16	7250	1A1601	STR																														
*	141	16	3090	1A1602	STR																														
*	95	16	2590	1A1603	STR																														
▲	47	16	4580	1A1604	S10		1620	1340	1620																										
	47	16	4730	1A1605	S10		2080	570	2080																										
	32	16	2320	1A1606	S10		1040	240	1040																										
	2	16	2090	1A1607	19		920	1170					250		880																				
	2	16	2420	1A1608	19		1250	1170					630		1080																				
△	12	16	7250	1EA1601	STR																														
△	19	25	1620	1EA2501	19		660	960																											
ABUT # 2																																			
▲	86	16	7110	2A1601	STR																														
*	140	16	3090	2A1602	STR																														
*	95	16	2690	2A1603	STR																														
▲	47	16	4580	2A1604	S10		1620	1340	1620																										
	32	16	4500	2A1605	23		1980	240	150	300	1830																								
	2	16	2000	2A1606	19		910	1090					250		880																				
	2	16	2090	2A1607	19		1000	1090					480		880																				
	16	16	4880	2A1608	S10		2170	540	2170																										
△	19	25	1770	2EA2501	19		660	1110																											

COPING (ABUT #1)

*	8	13	7400	1EC1301	STR
*	9	13	2150	1EC1302	STR
*	4	13	3600	1EC1303	STR
*	4	13	8100	1EC1304	STR
*	5	13	2660	1EC1305	STR
*	8	13	9125	1EC1306	STR

COPING (ABUT #2)

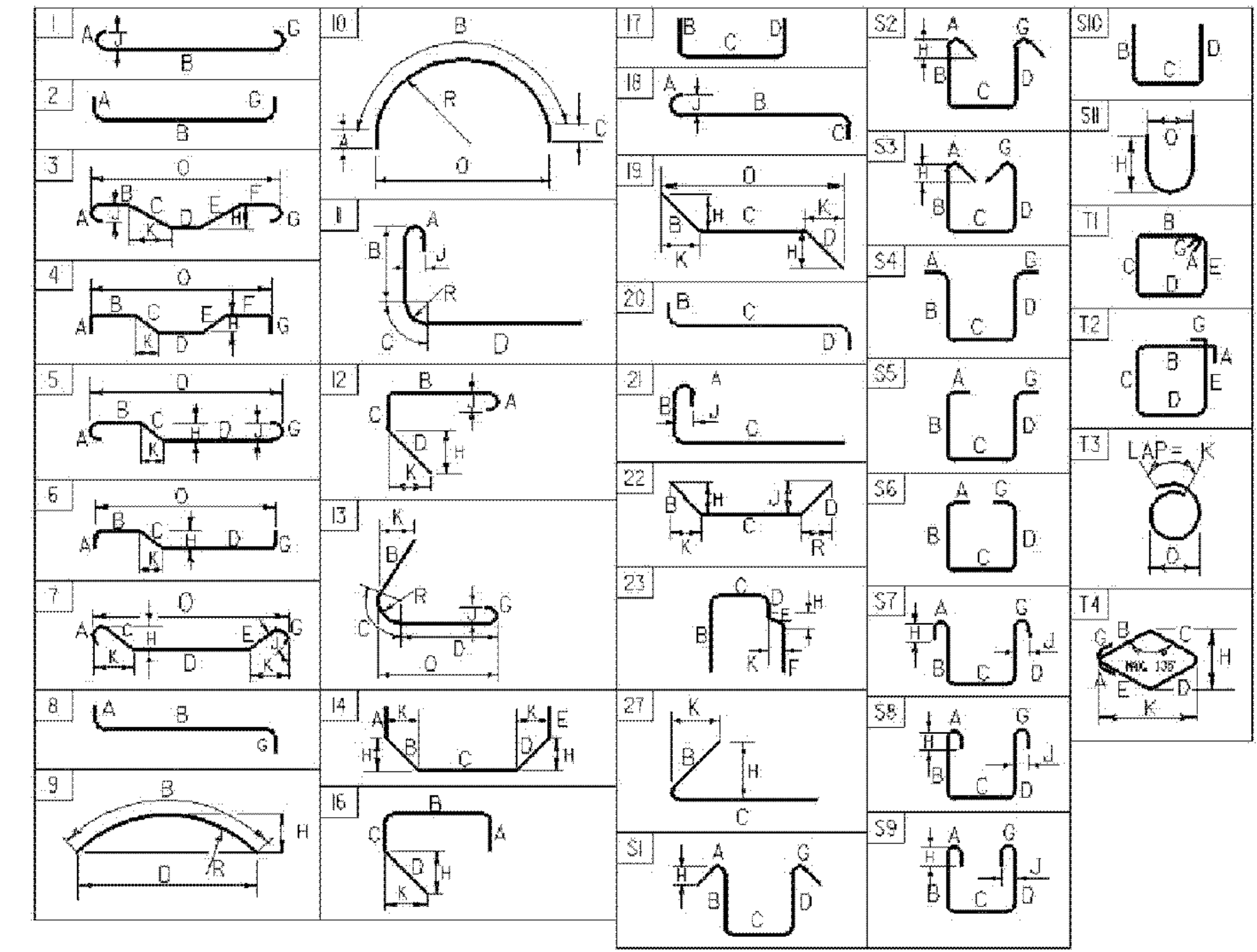
*	8	13	7400	2EC1301	STR
*	9	13	2150	2EC1302	STR
*	5	13	2730	2EC1303	STR
*	8	13	9610	2EC1304	STR
*	4	13	3520	2EC1305	STR

COPING BOTH ABUT

	90	13	800	EC1310	S10		240	320	240
	103	13	560	EC1311	S10		240	150	170

~ NOTES ~

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-SI). ALL BARS SHALL BE GRADE 420, 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 EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE	NOMINAL MASS (Kg/m)	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER (mm)	CROSS SECTIONAL AREA (mm²)	PERIMETER (mm)
#10	0.560	9.5	71	29.84
#13	0.994	12.7	129	39.90
#16	1.552	15.9	199	49.95
#19	2.235	19.1	284	60.00
#22	3.042	22.2	387	69.74
#25	3.973	25.4	510	79.80
#29	5.060	28.7	645	90.16
#32	6.404	32.3	819	101.47
#36	7.907	35.8	1006	112.47
#43	11.380	43.0	1452	135.09
#57	20.240	57.3	2581	180.01

PROJECT NAME: **STOCKBRIDGE**
 PROJECT NUMBER: **BRF 022-1(20)**
 FILE NAME: 85e039rss.xls
 PROJECT MANAGER: C. P. WILLIAMS
 DESIGNED BY: ROB YOUNG
 REINFORCING STEEL SCHEDULE

PLOT DATE: 2/23/2010
 DRAWN BY: D. D. BEARD
 CHECKED BY: H. I. SALLS
 SHEET 87 OF 139