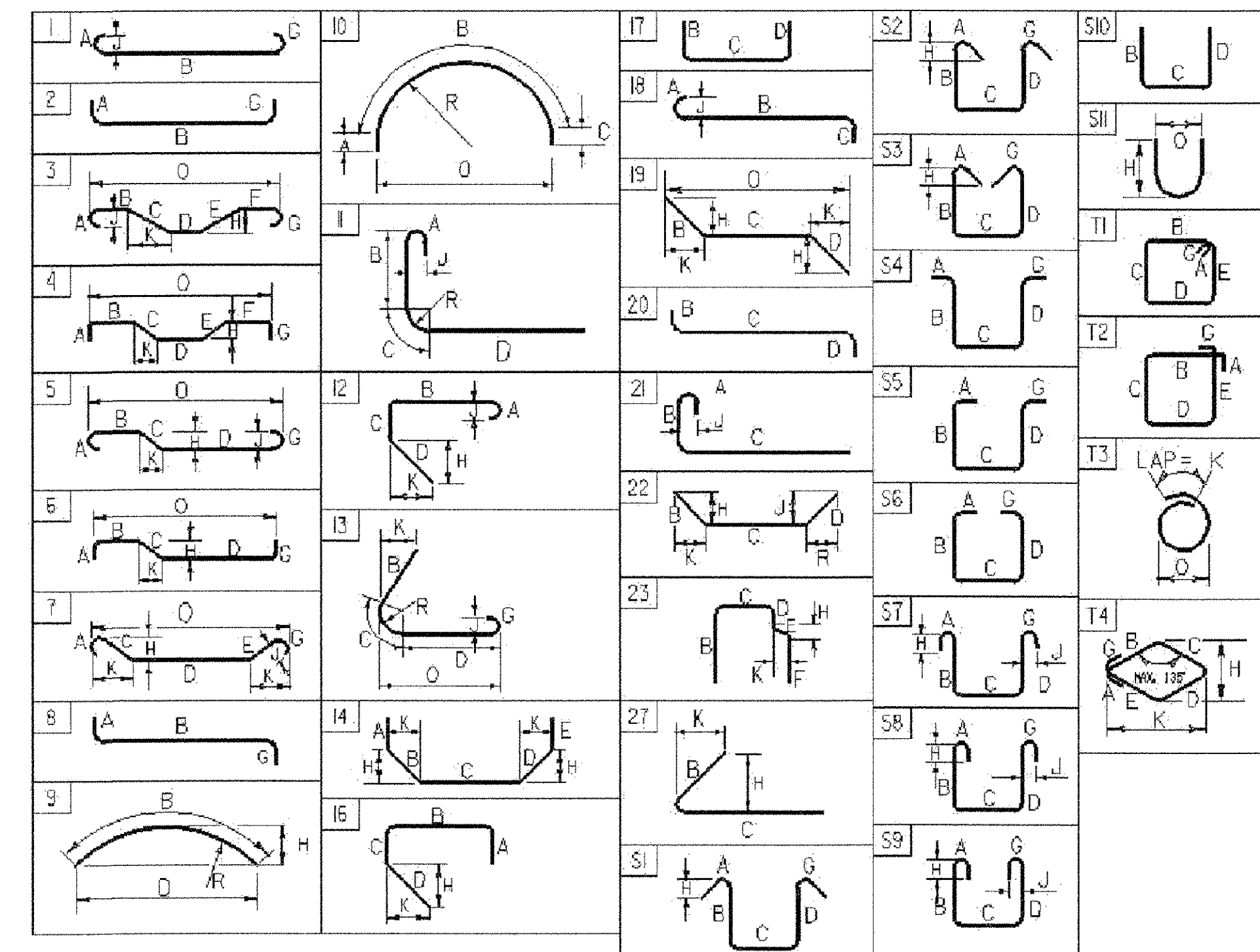


# REINFORCING STEEL SCHEDULE

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			
<b>DECK</b>																		<b>WINGWALL NO. 1</b>																				
△	146	16	12100	S1601	STR													△ ▲	34	16	3750	1W1601	STR															
	324	16	1700	S1602	S5	250	375	450	375		250							▲	19	16	3200	1W1602A	STR															
△	922	19	6800	S1901	STR													▲	25	16	1800	1W1602B	STR															
<b>APPROACH SLAB NO. 1</b>																		<b>WINGWALL NO. 2</b>																				
*	81	16	6200	1AS1601	STR													△ ▲	34	16	3750	2W1601	STR															
*	41	16	6125	1AS1602	STR													▲	19	16	2300	2W1602A	STR															
△	50	29	6375	1AS2901	1	375	6000				0		300					▲	25	16	2000	2W1602B	STR															
<b>APPROACH SLAB NO. 2</b>																		<b>WINGWALL NO. 3</b>																				
*	81	16	6200	2AS1601	STR													△ ▲	34	16	3750	3W1601	STR															
*	41	16	6125	2AS1602	STR													▲	19	16	3100	3W1602A	STR															
△	50	29	6375	2AS2901	1	375	6000				0		300					▲	25	16	1900	3W1602B	STR															
<b>ABUTMENT NO. 1</b>																		<b>WINGWALL NO. 4</b>																				
	408	16	1050	1A1601	17		150	750	150									△ ▲	34	16	3750	4W1601	STR															
△	42	16	1400	1A1602	1	175	1050				175		130					▲	19	16	2200	4W1602A	STR															
	6	16	2425	1A1603	S10		500	1425	500									▲	25	16	2100	4W1602B	STR															
	32	16	1200	1A1604	17		600	600	0									16	16	1800	4W1603	1	175	1250														
	8	16	1750	1A1605	S10		500	750	500									2	16	3700	4W1604	STR																
△ ▲	80	29	3375	1A2901	2	475	2900				0							2	16	1400	4W1605	22		700	700	0												
	78	29	3755	1A2902	2	475	3280				0							11	16	1300	4W1606	S10		500	300	500												
	78	29	3475	1A2903	2	475	3000				0							<b>WINGWALL NO. 4</b>																				
	78	29	3455	1A2904	2	475	2980				0							△ ▲	34	16	3750	4W1601	STR															
	22	29	4075	1A2905	2	475	3600				0							▲	19	16	2200	4W1602A	STR															
	22	29	4775	1A2906	2	475	4300				0							▲	25	16	2100	4W1602B	STR															
<b>ABUTMENT NO. 2</b>																		<b>WINGWALL NO. 4</b>																				
	408	16	1050	2A1601	17		150	750	150									16	16	1800	4W1603	1	175	1250														
△	42	16	1400	2A1602	1	175	1050				175		130					2	16	3700	4W1604	STR																
	6	16	2425	2A1603	S10		500	1425	500									2	16	1400	4W1605	22		700	700	0												
	32	16	1200	2A1604	17		600	600	0									11	16	1300	4W1606	S10		500	300	500												
	8	16	1750	2A1605	S10		500	750	500									<b>WINGWALL NO. 4</b>																				
	44	16	1450	2A1606	22		500	450	500									△ ▲	34	16	3750	4W1601	STR															
△	62	19	7900	2A1901	STR						0							▲	19	16	2200	4W1602A	STR															
	40	19	2000	2A1902	2	800	1200				0							▲	25	16	2100	4W1602B	STR															
△ ▲	80	29	3415	2A2901	2	475	2940				0							16	16	1800	4W1603	1	175	1250														
	78	29	3795	2A2902	2	475	3320				0							2	16	3700	4W1604	STR																
	78	29	3475	2A2903	2	475	3000				0							2	16	1400	4W1605	22		700	700	0												
	78	29	3455	2A2904	2	475	2980				0							11	16	1300	4W1606	S10		500	300	500												
	22	29	4115	2A2905	2	475	3640				0							<b>WINGWALL NO. 4</b>																				
	22	29	4815	2A2906	2	475	4340				0							△ ▲	34	16	3750	4W1601	STR															

~ 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 IN BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



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: **Rutland Town**  
 PROJECT NUMBER: **BRF 019-3(48)**  
 FILE NAME: 95B172/sb172rss.xls  
 PROJECT MANAGER: R. Whitcomb  
 DESIGNED BY: T. Lackey  
 REINFORCING STEEL SCHEDULE  
 PLOT DATE: 2/21/2008  
 DRAWN BY: T. Lackey  
 CHECKED BY:  
 SHEET 57 OF 75