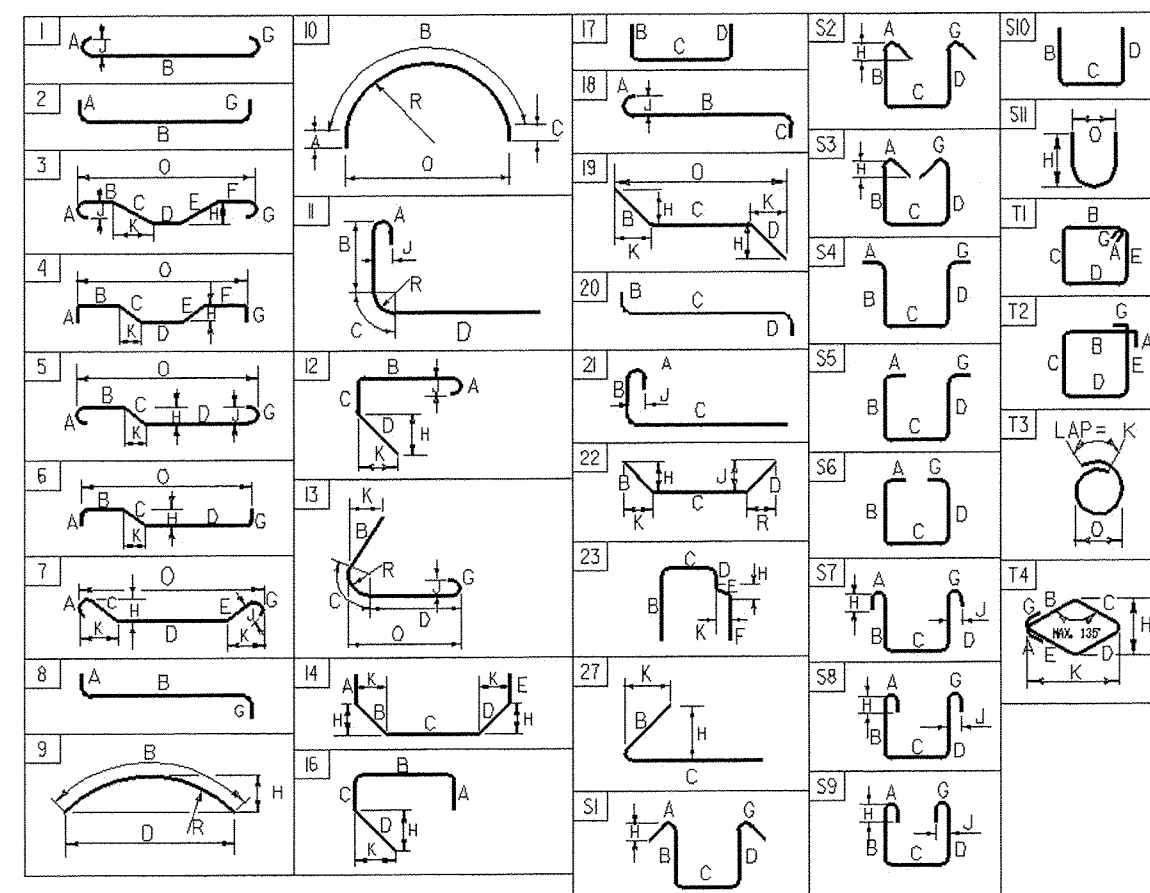


REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	D
BRIDGE DECK AND RAIL																	
36	13	11220	ES1302	STR	11220												
8	13	1475	ES1303	STR	1475												
163	16	11250	ES1601	STR	11250												
483	16	11220	ES1602	STR	11220												
29	16	2236	ES1605	STR	2236												
164	19	11250	ES1901	STR	11250												
163	13	3105	ES1301	S5	610	930	110	845		610							
9	13	2220	ES1304	17	1055	110	1055										
163	13	2680	ES1305	S5	610	705	110	645		610							
163	16	3805	ES1603	S5	660	315	1855	315		660							
28	16	2630	ES1604	S5	165	775	165	1525									
28	16	2305	ES1606	S5	165	450	165	1525									
ABUTMENT #1																	
41	16	2395	1A1602	STR	2395												
16	16	11724	1A1603	STR	11724												
16	16	1200	1A1604A	STR	1200												
40	16	1600	1EA1606	STR	1600												
10	16	11028	1EA1607	STR	11028												
39	22	3000	1A2203	STR	3000												
19	25	1125	1EA2501	STR	1125												
40	29	3000	1A2901	STR	3000												
38	16	2395	1A1604	17	660	660	1075	660									
38	16	2425	1EA1605	22	4300	4325											
38	16	2475	1EA1608	17	1000	475	1000										
38	16	1795	1EA1609	17	720	175	900										
41	22	5015	1A2201	17	3440	1575											
22	22	11785	1A2202	17	11435	350											
WINGWALL #1																	
7	16	1560	1W1601	STR	1560												
8	16	3595	1W1602	STR	3595												
15	16	2350	1W1604	STR	2350												
14	16	1655	1W1605	STR	1655												
2	16	2560	1W1608	STR	2560												
16	19	2925	1W1901	STR	2925												
16	22	3300	1W2201	17	3450	2950	350										
8	16	1795	1W1603	17	680	475	660										
7	16	2385	1W1606	22	660	1066	660										
7	16	1320	1W1607	22	660	660											
8	22	4770	1W2202	17	4420	350											
WINGWALL #2 AND RAIL																	
7	13	2450	2ER1302	STR	2450												
6	13	1475	2ER1303	STR	1475												
11	16	1560	2W1601	STR	1560												
12	16	3015	2W1602	STR	3015												
6	16	3350	2W1604	STR	3350												
2	16	2230	2W1607	STR	2230												
15	16	2750	2EW1604	STR	2750												
14	19	1650	2W1901	STR	1650												
15	22	3300	2W2201	17	2660	2950	350										
6	13	2780	2ER1301	17	1335	110	1335										
6	16	4510	2W1605	22	660	3190	660										
6	16	1320	2W1606	17	660	660											
11	16	2075	2EW1603	17	800	475	800										
10	19	3820	2ER1901	17	1855	110	1855										
15	22	3550	2W2201	17	2950	600											
22	22	4190	2W2202	17	3840	350											
19	22	2410	2EW2203	17	1100	210	1100										
APPROACH SLAB #1																	
21	16	8835	1EAS1601	STR	8835												
42	29	6175	1EAS2901	1	225	5950											

~ 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-S1). 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 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	115.09
#43	11.380	43.0	1452	132.47
#57	20.240	57.3	2581	180.01

PROJECT NAME: **READSBORO**
 PROJECT NUMBER: **BRF 0105 (3)**
 FILE NAME: sj088rss 04-04-2013.xls
 PROJECT MANAGER: J. LACROIX
 DESIGNED BY: W. PELLETIER
 PLOT DATE: 4/11/2013
 DRAWN BY: G. ROKES
 CHECKED BY: N. VAN DEN BER
 REINFORCING STEEL SCHEDULE SHEET
 SHEET 5 OF 5