ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
						PIER #2 (CONT'D)											
1																	
2	39	8	13-4	2P801	1	0-11	11-6					0-11					
3																	
4	102	9	11-3	2P901	17		9-3	2-0	/								
5																	
6																	
7						PIER #3											
8																	
9	6	5	29-6	3P501	STR												
10																	
11	39	6	11-6	3P602													
12																	
13	12	7	37-6	3P701													
14																	
15	102	9	14-3	3P902													
16	102	↓	15-0	3P903													
17	102	9	9-4	3P904													
18																	
19	12	10	37-6	3P1001	↓												
20	10	10	45-0	3P1002	STR												
21																	
22																	
23	75	5	13-5	3P502	T1	0-5½	2-6	3-9	2-6	3-9		0-5½					
24	30		12-0	3P503	T5	0-5½	2-4	3-11	2-4	2-6		0-5½				1-3	
25	2		13-6	3P504	17		5-6	2-6	5-6								
26	↓		↓	THRU	↓			VARY B & D IN 4 EQUAL INCREMENTS									
27	2		29-6	3P508	17		13-6	2-6	13-6								
28	8		30-11	3P509	10	13-6	3-11	13-6								1-3	
29	2		24-11	3P510	T1	0-5½	2-6	9-6	2-6	9-6		0-5½					
30	↓		↓	THRU	↓			VARY C & E IN 22 EQUAL INCREMENTS									
31	2	↓	16-5	3P532	T1	0-5½	2-6	5-3	2-6	5-3		0-5½					
32	6	5	18-3	3P533	19		4-9	13-6	/				4-3		2-1		
33																	
34	31	6	14-0	3P601	17		4-3	5-6	4-3								
35																	
36	39	8	13-4	3P801	1	0-11	11-6				0-11						
37																	
* 38	105	9	11-3	3P901	17		9-3	2-0	/	(includes 3 extra bars for 6 4'-0" test bars.)							
39																	
40																	
41						PIER #4											
42																	
43	6	5	29-6	4P501	STR												
44																	
45	39	6	11-6	4P602													
46																	
47	12	7	37-6	4P701													
48																	
49	102	9	14-3	4P902													
50	102	↓	13-3	4P903													
51	102	9	9-4	4P904													
52																	
53	12	10	37-6	4P1001	↓												
54	10	10	45-0	4P1002	STR												
55																	
56																	
57	70	5	13-5	4P502	T1	0-5½	2-6	3-9	2-6	3-9		0-5½					
58	28		12-0	4P503	T5	0-5½	2-4	3-11	2-4	2-6		0-5½				1-3	
59	2		13-6	4P504	17		5-6	2-6	5-6								
60	↓		↓	THRU	↓			VARY B & D IN 4 EQUAL INCREMENTS									
61	2		29-6	4P508	17		13-6	2-6	13-6								
62	8		30-11	4P509	10	13-6	3-11	13-6								1-3	
63	2		24-11	4P510	T1	0-5½	2-6	9-6	2-6	9-6		0-5½					
64	↓		↓	THRU	↓			VARY C & E IN 22 EQUAL INCREMENTS									
65	2	↓	16-5	4P532	T1	0-5½	2-6	5-3	2-6	5-3		0-5½					
66	6	5	18-3	4P533	19		4-9	13-6	/								
67																	
68	31	6	14-0	4P601	17		4-3	5-6	4-3								
69																	
70	39	8	13-4	4P801	1	0-11	11-6					0-11					
71																	
72	102	9	11-3	4P901	17		9-3	2-0	/								
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ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
81																	
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ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
161																	
162																	
163																	
164																	
165																	
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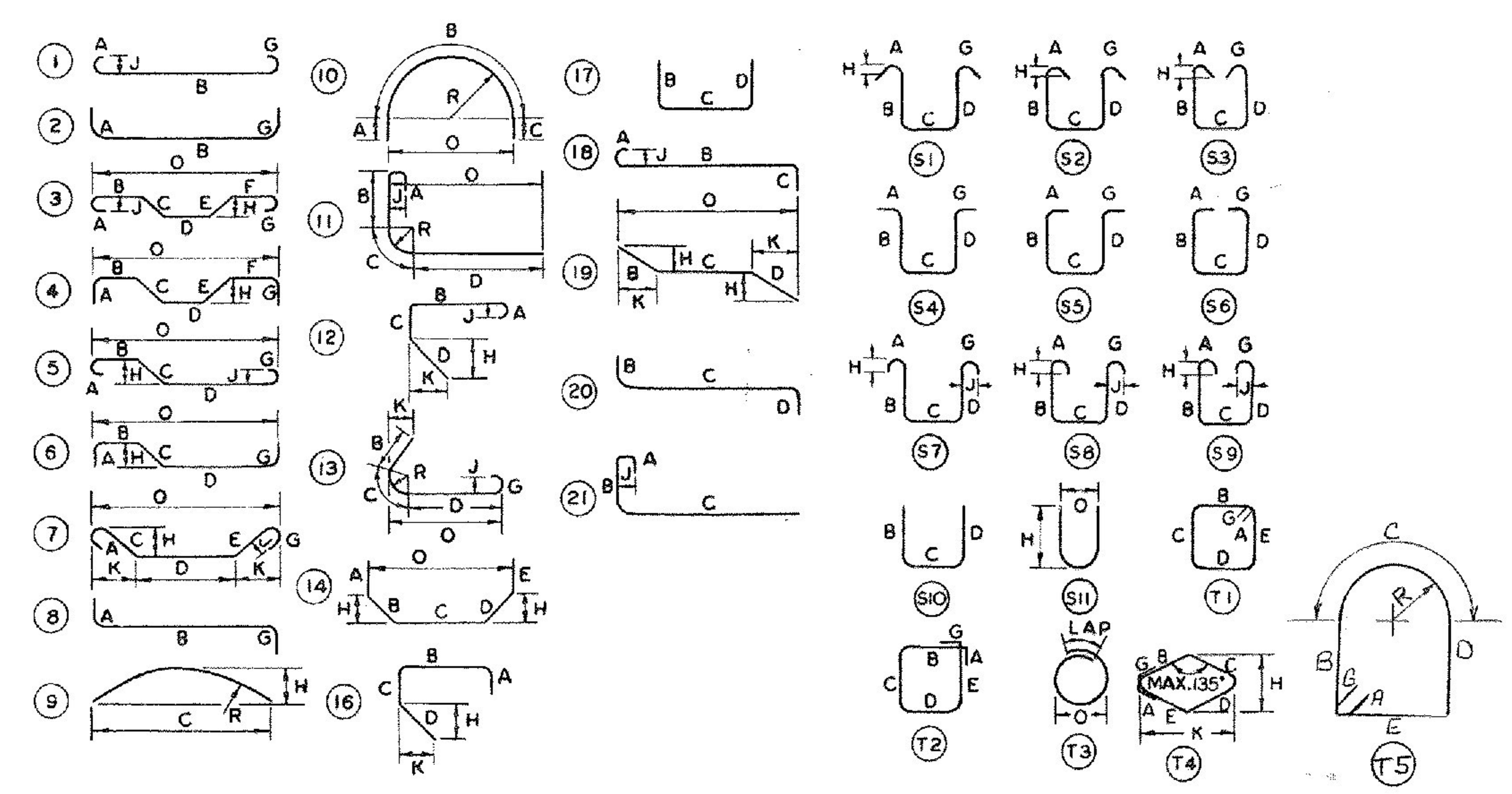
ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	CROSS SECTIONAL AREA SQ. INCHES	PERIMETER INCHES
#3	.376	.375	.11	1.178
#4	.668	.500	.20	1.571
#5	1.043	.625	.31	1.963
#6	1.502	.750	.44	2.356
#7	2.044	.875	.60	2.749
#8	2.670	1.000	.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

TYPICAL BAR BENDS



NOTES

1. 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 615-81), GRADE 60, OR GRADE 40 AS NOTED.
2. 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."
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180° AND 135° HOOKS.
5. "J" DIMENSION ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45° DIMENSIONS "H" AND "K" MUST BE SHOWN.

*** DENOTES EXTRA BAR(S) ADDED FOR TESTING PURPOSES.**

REV. NO.	MADE BY	DATE	DESCRIPTION

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF RUTLAND — BRIDGE NO. 5 — LOG STA.

HIGHWAY NO. U.S. RTE. # 4 — SURV. STA. EB-931+35 / WB-930+81

U.S. RTE. #4 OVER DORR DRIVE

REINFORCING STEEL SCHEDULE

DESIGNED BY J.B. McCARTHY — DRAWN BY J.B. McCARTHY

CHECKED BY D. NEWTON — DATE 9/83

BRIDGE DESIGN SUPERVISOR F. W. Bolkum — DATE 12/83

PROJECT WEST RUTLAND-RUTLAND — PROJECT NO. F-EGC-F-020-1(10)

BRIDGE SHEET NO. BR523 — SHEET 113 OF 459

BRUNING 44-131 40151

BR-5