ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
				SUPERSTRUCTURE													
				WESTBOUND													
4	488	5	12-9	1S501	STR												
5	491	↓	29-9	1S502	↓												
6	1160	↓	26-5	1S505	↓												
7	8	5	25-3	1S507	↓												
9	72	9	24-0	1S901	STR												
12	488	5	25-6	1S503	STR												
13	490	↓	16-9	1S504	STR												
14	486	↓	5-0	1S506	S5	0-6	1-6	1-0	1-6			0-6		GRADE		40	
15	35	↓	9-2	1S508	S5	0-6	3-8	0-10	3-8			0-6		GRADE		40	
16	16	5	24-5	1S509	19		1-3	23-2	/				0-8		1-0		
				EASTBOUND													
20	409	5	12-9	2S501	STR												
21	406	↓	29-9	2S502	↓												
22	928	↓	27-5	2S505	↓												
23	8	5	24-3	2S507	↓												
25	72	9	20-0	2S901	STR												
28	407	5	25-6	2S503	STR												
29	407	↓	16-9	2S504	STR												
30	408	↓	5-0	2S506	S5	0-6	1-6	1-0	1-6			0-6		GRADE		40	
31	35	↓	9-2	2S508	S5	0-6	3-8	0-10	3-8			0-6		GRADE		40	
32	16	5	23-6	2S509	19		1-4	22-2	/				0-8		1-2		
				ABUTMENT #1													
37	47	5	4-0	1A501	STR												
38	39	↓	7-6	1A503	↓												
39	91	↓	6-2	1A504	↓												
40	36	↓	23-8	1A505	↓												
41	28	↓	23-8	1A508	↓												
42	7	5	6-2	1A509	↓												
44	36	6	27-3	1A601	STR												
47	44	5	5-0	1A502	17		4-0	1-0	/								
* 48	48	↓	12-2	1A506	16	2-0	4-0	0-8	5-6	GRADE 40 (INCLUDES 3 EXTRA BARS FOR 4-0 & 12-2 BARS)							
49	45	↓	14-0	1A507	17	0-7	6-2	0-6	6-2			0-7		GRADE		40	
50	7	↓	15-8	1A510	14	/	2-0	11-8	2-0	/			1-0				15-2
51	7	5	10-8	1A511	14	/	2-0	6-8	2-0	/			1-9				8-8
53	30	6	5-6	1A602	19		/	2-6	3-0				2-6		1-6		
55	52	7	9-2	1A701	1	0-10	7-6					0-10					
				WINGWALL #1													
60	23	5	4-0	1W501	STR												
61	21	↓	8-0	1W503	↓												
62	20	↓	11-5	1W505	↓												
63	3	↓	6-2	1W506	↓												
64	14	↓	22-0	1W507	↓												
65	12	↓	19-0	1W508	↓												
66	5	5	19-0	1W510	↓												
68	18	7	23-2	1W701	STR												
71	20	5	7-6	1W502	17		6-6	1-0	/								
72	21	↓	14-5	1W504	17		13-5	1-0	/								
73	20	5	11-1	1W509	22	3-6	0-6	1-3	1-0	0-10	0-6	3-6	0-3		0-6	GRADE 40	
75	24	8	9-10	1W801	1	0-11	8-0					0-11					

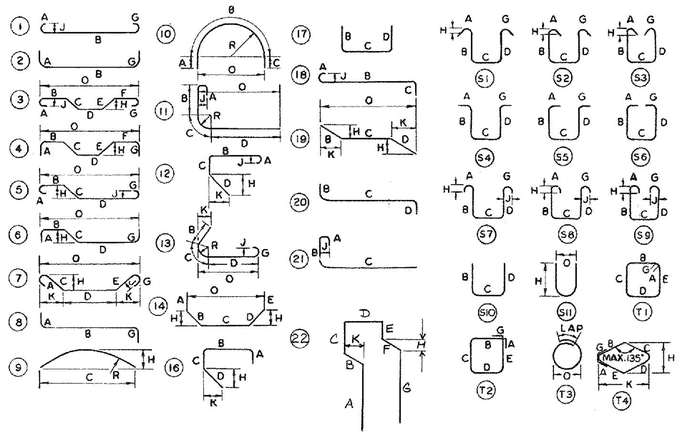
ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
				WINGWALL #2													
82	19	5	4-0	2W501	STR												
83	15	↓	8-0	2W503	↓												
84	17	↓	11-1	2W505	↓												
85	3	↓	6-3	2W506	↓												
86	14	↓	18-4	2W507	↓												
87	12	↓	15-6	2W508	↓												
88	5	5	15-6	2W510	↓												
90	18	7	23-0	2W701	STR		CUT TO FIT IN FIELD										
93	15	5	7-6	2W502	17		6-6	1-0	/								
94	16	↓	14-1	2W504	17		13-1	1-0	/								
95	17	5	11-1	2W509	22	3-6	0-6	1-3	1-0	0-10	0-6	3-6	0-3		0-6	GRADE 40	
97	23	8	9-10	2W801	1	0-11	8-0					0-11					
				ABUTMENT #2													
102	47	5	4-0	2A501	STR												
103	40	↓	7-6	2A503	↓												
104	91	↓	6-0	2A504	↓												
105	34	↓	23-8	2A505	↓												
106	7	5	6-0	2A507	↓												
108	36	6	27-3	2A601	STR												
111	44	5	5-0	2A502	17		4-0	1-0	/								
112	46	↓	10-0	2A506	16	2-0	3-1	0-8	4-3			GRADE			40		
113	7	↓	15-8	2A508	14	/	2-0	11-8	2-0	/			1-0				15-2
114	7	5	10-8	2A509	14	/	2-0	6-8	2-0	/			1-9				8-8
116	30	6	5-6	2A602	19		/	2-6	3-0				2-6		1-6		
118	52	7	9-2	2A701	1	0-10	7-6					0-10					
				WINGWALL #3													
123	14	5	4-0	3W501	STR												
124	9	↓	8-0	3W503	↓												
125	11	↓	10-6	3W505	↓												
126	4	↓	6-4	3W506	↓												
127	14	↓	13-4	3W507	↓												
128	10	↓	10-2	3W508	↓												
129	5	5	10-2	3W510	↓												
131	18	7	18-0	3W701	STR		CUT TO FIT IN FIELD										
134	10	5	7-6	3W502	17		6-6	1-0	/								
135	11	↓	13-6	3W504	17		12-6	1-0	/								
136	11	5	11-1	3W509	22	3-6	0-6	1-3	1-0	0-10	0-6	3-6	0-3		0-6	GRADE 40	
138	18	8	9-10	3W801	1	0-11	8-0					0-11					
				WINGWALL #4													
143	17	5	4-0	4W501	STR												
144	15	↓	8-0	4W503	↓												
145	15	↓	10-0	4W505	↓												
146	2	↓	6-0	4W506	↓												
147	14	↓	16-0	4W507	↓												
148	10	↓	13-11	4W508	↓												
149	5	5	13-11	4W510	↓												
151	18	7	17-2	4W701	STR												
154	14	5	7-6	4W502	17		6-6	1-0	/								
155	15	↓	13-0	4W504	17		12-0	1-0	/								
156	15	5	11-1	4W509	22	3-6	0-6	1-3	1-0	0-10	0-6	3-6	0-3		0-6	GRADE 40	
158	18	8	9-10	4W801	1	0-11	8-0					0-11					

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
				APPROACH SLABS #1 & #2													
162	80	5	23-0	AS501	STR												
165	98	10	20-11	AS1001	1	1-5	19-6										
				APPROACH SLABS #3 & #4													
170	80	5	22-0	AS501	STR												
173	98	10	20-11	AS1001	1	1-5	19-6										

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 615-51), 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
HIGHWAY NO. U.S. RTE. 4 — LOG STA. — SURV. STA. EB-730+35 WB-730+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. Balkum DATE 12/83
PROJECT WEST RUTLAND-RUTLAND — PROJECT NO. F-EGC-F-020-1(10)
BRIDGE SHEET NO. BR521 SHEET 111 OF 459

BRINKING A4-131 40151

BR-5