ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1																	
2							PIER #2										
3																	
4																	
5	32	5	29-3	2P501	STR												
6	168	5	25-6	2P503	STR												
7	64	5	14-6	2P505	STR												
8																	
9																	
10	32	9	30-7	2P901	STR												
11	212	9	26-0	2P903	STR												
12*	107	9	19-11	2P904	STR												
13																	
14																	
15																	
16	50	5	8-6	2P502	17		3-0	2-6	3-0								
17	84	5	7-11	2P504	10	2-0	3-11	2-0								1-3	2-6
18	190	5	12-5	2P506	T1	0-5½	2-6	3-3	2-6	3-3		0-5½					
19																	
20																	
21	208	9	18-6	2P902	21	1-3	8-6	8-9									
22	14	9	17-3	2P905	17		8-9	8-6						CUT TO FIT			
23																	
24	15	8	4-0	SS801	STR		DOWELS FOR STRUCTURAL SEAL.										
25																	
26																	
27							ABUTMENT #2										
28																	
29																	
30	18	5	28-6	2A501	STR												
31	53	↓	7-4	2A502	↓												
32	51		6-6	2A504													
33	72		26-6	2A506													
34	52		10-0	2A507													
35	5		4-0	2A508													
36	52	↓	7-4	2A509	↓									CUT TO FIT			
37	5	5	9-11	2A512	STR												
38																	
39	16	9	29-10	2A901	STR												
40																	
41*	9	11	31-1	2A1101	STR												
42																	
43	51	5	6-0	2A503	17		2-0	4-0									
44	52	↓	5-0	2A505	↓		1-0	4-0						CUT TO FIT			
45	52	↓	6-11	2A510	↓		1-0	4-11	1-0								
46	51	5	12-3	2A511	17		2-0	10-3									
47																	
48	53	6	8-8	2A601	1	0-8	7-4					0-8					
49																	
50*	25	8	4-6	2A801	19		2-0	2-6									
51																	
52																	
53																	
54																	
55																	
56							WINGWALL #3										
57																	
58																	
59	7	5	30-6	3W501	STR												
60	27	↓	5-6	3W502	↓												
61	31		4-0	3W503													
62	28		9-4	3W504													
63	29		9-0	3W505										CUT TO FIT			
64	28		9-0	3W506										CUT TO FIT			
65	2		7-1	3W507													
66	14	↓	30-6	3W508	↓												
67	20	5	27-6	3W509	STR												
68																	
69	28	6	9-6	3W604	STR												
70*	8	9	30-6	3W901	STR												
71																	
72	4	11	30-6	3W1101	STR												
73																	
74																	
75																	
76	7	5	14-8	3W510	1	0-7	13-6					0-7					
77	4	5	10-2	3W511	1	0-7	9-0					0-7					
78																	
79																	
80																	

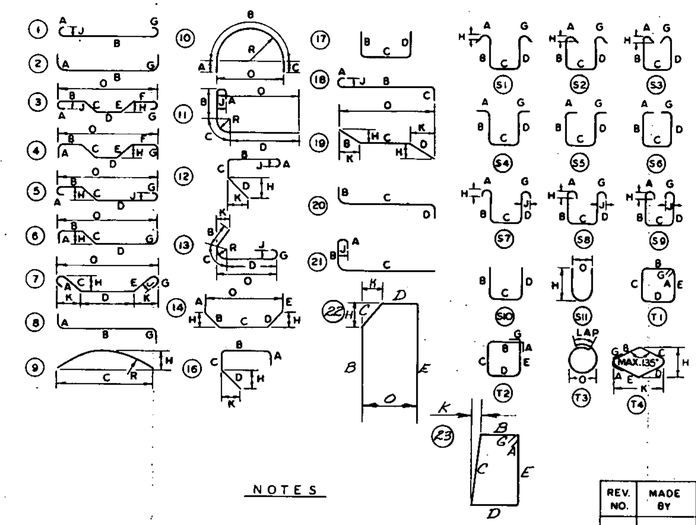
ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
81																	
82	27	6	6-10	3W601	1	0-8	5-6					0-8					
83	27	6	8-9	3W602	17		7-3	1-6									
84	28	6	5-6	3W603	17		4-0	1-6									
85																	
86																	
87							EPOXY COATED										
88																	
89	8	5	29-4	3EW504	STR								CUT TO FIT				
90																	
91																	
92	2	5	6-5	3EW501	T1	0-5½	0-10	1-11	0-10	1-11		0-5½					
93	26	↓	7-5	3EW502	23	0-5½	0-10	2-4	1-0	2-4		0-5½			0-3		
94	21	↓	7-11	3EW503	22		2-7	1-0	0-11	3-5			0-10		0-7		1-6
95	7	5	7-8	3EW505	17		3-5	0-10	3-5								
96																	
97																	
98																	
99																	
100																	
101							WINGWALL #4										
102																	
103																	
104	7	5	28-7	4W501	STR												
105	22	↓	5-6	4W502	↓												
106*	29		4-0	4W503													
107	26		8-7	4W504													
108	26		8-10	4W505									CUT TO FIT				
109	24		8-10	4W506									" " "				
110	2		6-4	4W507													
111	14	↓	27-6	4W508	↓												
112	18	5	29-6	4W509	STR												
113																	
114	24	6	8-8	4W604	STR												
115	7	9	28-7	4W901	STR												
116																	
117	4	11	28-7	4W1101	STR												
118																	
119																	
120																	
121	7	5	11-8	4W510	1	0-7	10-6					0-7					
122	4	5	8-2	4W511	1	0-7	7-0					0-7					
123																	
124																	
125	22	6	6-10	4W601	1	0-8	5-6					0-8					
126	23	6	8-9	4W602	17		7-3	1-6									
127	24	6	5-6	4W603	17		4-0	1-6									
128																	
129																	
130							EPOXY COATED										
131																	
132	8	5	25-9	4EW504	STR								CUT TO FIT				
133																	
134																	
135	2	5	6-5	4EW501	T1	0-5½	0-10	1-11	0-10	1-11		0-5½					
136	22	↓	7-5	4EW502	23	0-5½	0-10	2-4	1-0	2-4		0-5½			0-3		
137	18	↓	7-11	4EW503	22		2-7	1-0	0-11	3-5			0-10		0-7		1-6
138	6	5	7-8	4EW505	17		3-5	0-10	3-5								
139																	
140																	
141																	
142																	
143																	
144							APPROACH SLAB #1										
145																	
146																	
147	40	5	24-3	H4S501	STR												
148																	
149																	
150*	62	10	20-11	H5S001	1	1-5	19-6										
151																	
152																	
153							APPROACH SLAB #2										
154																	
155																	
156	40	5	24-3	2A5501	STR												
157																	
158																	
159	61	10	20-11	2A5001	1	1-5	19-6										
160																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
161																	
162																	
163																	
164																	
165																	
166																	
167																	
168																	
169																	
170																	
171																	
172																	
173																	
174																	
175																	
176																	
177																	
178																	
179																	
180																	

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.
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 ONE EXTRA BAR ADDED FOR TESTING PURPOSES.

REV. NO.	MADE BY	DATE	DESCRIPTION

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF ST. JOHNSBURY	BRIDGE NO. 1
	LOG STA.
HIGHWAY NO. I 91 NORTHERN CONN.	SURV. STA. 60+0
I 91 NORTHERN CONNECTOR OVER PASSUMPSIC RIVER	
REINFORCING STEEL SCHEDULE	
DESIGNED BY G.V. JALAK	DRAWN BY M. GARCIA
CHECKED BY O.C. WILLEY DATE 12/84	BRIDGE DESIGN SUPERVISOR R.S. HAUPT DATE 11/84
PROJECT ST. JOHNSBURY	PROJECT NO. DP-FF 041-1(10)
BRIDGE SHEET NO. BR129	SHEET 87 OF 229

BRUNING 44-131 40151

BR-5