ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1	ABUTMENT 1																
2	34	5	33'-10	1A501 ▲	STR.												
3	34	5	45'-0	1A502	STR.												
4	71	5	3'-8	1A503 △	STR.												
5	68	5	25'-0	1A504 ▲	STR.												
6	26	5	25'-6	1A505	STR.												
7	52	5	38'-2	1A506	STR.												
8	26	5	13'-0	1A507	22			10'-8	2'-4				1'-3⅜		1'-11½		
9	26	5	11'-6	1A508	STR.												
10	26	5	12'-8	1A509	STR.												
11	71	5	9'-0	1A510	S10		2'-0	5'-0	2'-0								
12	26	5	4'-8	1A511	16		2'-0	7½	2'-0				1'-6½		1'-3¼		
13	9	5	25'-0	1A512 ▲	STR.												
14	26	5	16'-3	1A513	22		2'-2	11'-11	2'-2	2'-0½	8¾		2'-0½		8¾		13'-4¼
15	26	5	28'-1	1A514	22			24'-10	2'-2				7½		2'-1		
16	4	5	25'-9	1A515 ▲	STR.												
17	4	5	36'-0	1A516	STR.												
18	4	5	12'-11	1A517 ▲	STR.												
19	68	5	8'-8	1A518	S10		2'-0	9	5'-10½								
20	21	5	4'-0	1A519	22		2'-4		1'-7½				1'-2¾		1'-2¾		
21	66	5	12'-2	1A520	17		4'-2½	1'-9	6'-2½								
22	5	5	22'-4	1A521	22		11	21'-5		8½	7						
23	10	5	35'-8	1A522	STR.												
24	5	5	15'-3	1A523	19			11'-4¼	2'-3¼				1'-10¾		1'-3		
25	4	5	18'-8	1A524	STR.												
26	4	5	15'-5	1A525	STR.												
27	1	5	20'-10	1A526	22		1'-10	18'-11½		1'-5	1'-2						
28	1	5	15'-3	1A527	19			11'-2	1'-8				1'-5		11		
29	8	5	6'-6	1A528	S10		2'-0	2'-6	2'-0								
30	77	7	15'-11	1A701 ▲ △	STR.												
31	176	8	12'-7	1A801	17		1'-5	13'-4½									
32	89	8	27'-7	1A802 ▲	STR.												
33	149	9	15'-11	1A901 ▲	STR.												
34																	
35	WINGWALL 1																
36	32	5	31'-2	1W501 ▲	STR.												
37	84	5	3'-8	1W502 △	STR.												
38	34	5	27'-6½	1W503	STR.												
39	3	5	29'-0 1/2	1W504	STR.												
40	5	5	25'-1	1W505	STR.												
41	52	5	18'-3	1W506	STR.												
42	26	5	25'-8	1W507	STR.												
43	26	5	13'-9 1/2	1W508	STR.												
44	35	5	8'-7 1/2	1W509 ▲	STR.												
45	33	5	7'-6	1W510	S10		2'-0	3'-6	2'-0								
46	34	5	6'-7	1W511 ▲	STR.												
47	14	5	18'-3	1W512	STR.												
48	7	5	20'-4	1W513 ▲	STR.												
49	7	5	17'-4	1W514	STR.												
50	2	5	18'-3	1W515	STR.												
51	2	5	17'-0 1/2	1W516	STR.												
52	34	5	5'-6	1W517	S10		2'-0	1'-6	2'-0								
53	4	5	5'-0	1W518	S10		2'-0	1'-0	2'-0								
54	2	5	5'-6	1W519	S10		2'-0	1'-6	2'-0								
55	97	9	15'-6	1W901 △	STR.												
56	92	9	15'-11	1W902	17		14'-4	1'-7									
57	47	9	25'-1	1W903	STR												
58																	
59																	
60																	
61																	
62																	
63																	
64	WINGWALL 2																
65	32	5	30'-0	2W501	STR.												
66	32	5	31'-0	2W502 ▲	STR.		3'-6	1'-0									
67	119	5	3-8	2W503 △	STR												
68	54	5	26'-7	2W504	STR.												
69	3	5	28'-1	2W505	STR.												
70	2	5	24'-2	2W506	STR.												
71	50	5	28'-4	2W507	STR.												
72	25	5	32'-1	2W508	STR.												
73	25	5	26'-0	2W509	STR.												
74	54	5	9'-3	2W510	STR												
75	53	5	7'-6	2W511 ▲	S10.		2'-0	3'-6	2'-0								
76	16	5	28'-4	2W512	STR.												
77	8	5	30'-2	2W513	STR.												
78	8	5	25'-8	2W514	STR												
79	4	5	4'-0	2W515	19		2'-0	2'-0					1'-1		1'-8		3'-8
80	2	5	5'-6	2W516	S10.		2'-0	1'-6	2'-0								
81	55	5	5'-6	2W517	STR.												
82	55	5	7'-2	2W518	S10.		2'-0	1'-5¼	2'-0								
83	2	5	27'-4	2W519	STR.												
84	2	5	28'-1	2W520	STR.												
85	172	9	15'-6	2W901 △	STR												
86	164	9	15'-9	2W902	17		14'-2	1'-7"									
87	82	9	24'-2	2W903	STR.												
88																	
89																	
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ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
98	ABUTMENT 2																
99	24	5	24'-5	2A501	STR.												
100	24	5	33'-1	2A502 ▲	STR.												
101	53	5	3'-8	2A503 △	STR.												
102	51	5	18'-0 1/2	2A504 ▲	STR.												
103	19	5	18'-6 1/2	2A505	STR.												
104	38	5	25'-6	2A506	STR.												
105	19	5	11'-5 1/2	2A507	22			9'-3½	2'-2				1'-10½		1'-1¼		
106	19	5	14'-6	2A508	STR.												
107	19	5	10'-9 1/2	2A509	STR.												
108	18	5	2'-7 1/4	2A510	12		1'-0	7¼	1'-0				10		6¼		
109	4	5	16'-2	2A511	STR.												
110	19	5	15'-11 3/4	2A512	22		2'-2	11'-7⅜	2'-2	1'-10⅝	1'-0⅝		1'-10¾		1'-0⅜		13'-9
111	8	5	13'-0 1/2	2A513	STR.												
112	19	5	24'-11	2A514	22		2'-2	20'-9	2'-2	1'-0⅜	1'-10⅝		1'-0¾		1'-10⅝		24'-3⅜
113	53	5	9'-0	2A515	S10		2'-0	5'-0	2'-0								
114	47	5	10'-9½	2A516	17		7'-2	9	2'-10½								
115	4	5	19'-11 1/2	2A517 ▲	STR.												
116	4	5	25'-6	2A518	STR.												
117	4	5	11'-2	2A519	STR.												
118	12	5	15'-11 1/2	2A520 ▲	STR.												
119	12	5	25'-6	2A521	STR.												
120	12	5	8'-9	2A522 ▲	STR.												
121	48	5	7'-11	2A523	17		2'-0	1'-10	4'-1								
122	20	5	4'-0	2A524	22			2'-4½	1'-7½				1'-2½		1'-1⅞		
123	58	6	10'-11	2A601 ▲ △	STR.												
124	94	7	10'-3	2A701	17		1'-7	8'-8									
125	48	7	16'-1	2A702 ▲	STR.												
126	56	8	10'-11	2A801 ▲	STR.												
127																	
128																	
129																	
130	WINGWALL 3																
131	24	5	11'-0	3W501 ▲	STR.												
132	35	5	3'-8	3W502 △	STR.												
133	13	5	21'-6	3W503 ▲	STR.												
134	4	5	16'-3	3W504	STR.												
135	18	5	12'-10	3W505	STR.												
136	18	5	9'-7	3W506	STR.												
137	14	5	12'-5	3W507 ▲	STR.												
138	7	5	5'-8	3W508 ▲	16		2'-0	1'-8	2'-0	1'-8¼	1'-0⅞		1'-8¼		1'-0⅞		
139	13	5	5'-5	3W509	S10.		2'-0	1'-5	2'-0								
140	2	5	12'-0	3W510	STR												
141	37	8	10'-6	3W801 △	STR.												
142	20	10	13'-5	3W1001	17		1'-10	11'-7									
143	10	10	21'-6	3W1002 ▲	STR.												
144																	
145																	
146																	
147																	
148	WINGWALL 4																
149	22	5	24'-11	4W501 ▲	STR.												
150	48	5	3'-8	4W502 △	STR.												
151	20	5	23'-5	4W503 ▲	STR.												
152	4	5	18'-1	4W504	STR.												
153	19	5	22'-11	4W505	STR.												
154	19	5	18'-3	4W506	STR.												
155	14	5	20'-5	4W507 ▲	STR.												
156	6	5	5'-8	4W508 ▲	28		2'-0	1'-8	2'-0	1'-8½	1'-0⅞		1'-8½		1'-0⅞		
157	20	5	5'-5	4W509	S10		2'-0	1'-5	2'-0								
158	2	5	14'-6	4W510	STR.												
159	61	8	10'-6	4W801 △	STR.												
160	39	10	13'-5	4W1001	17		1'-10	11'-7									
161	19	10	23'-5	4W1002 ▲	STR.												
162																	
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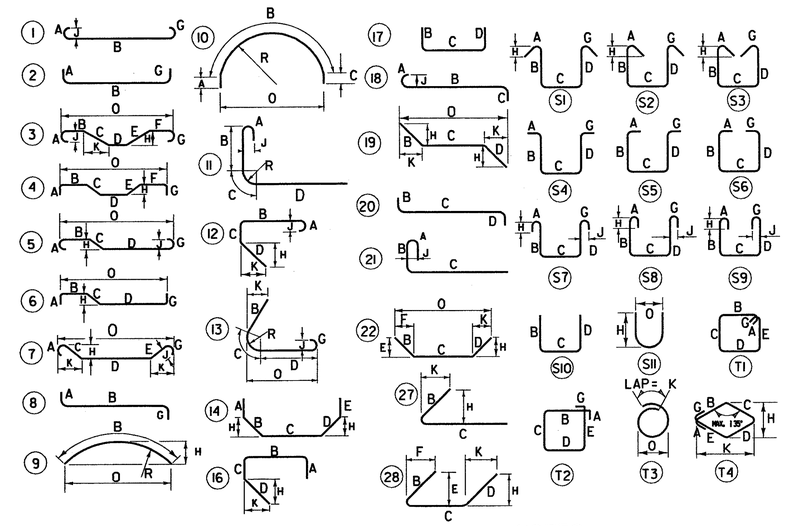

NOTES:

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-S1). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
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 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE 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 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
8. ▲ DENOTES BARS TO BE CUT IN FIELD.
9. ♦ DENOTES BARS TO BE BENT IN FIELD.
10. ✳ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
11. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
12. "E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.

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

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of SEARSBURG	Bridge No. 25B
Highway No. VT. RTE. 9	Log Sta.
	Surv. Sta.
VT. RTE. 9 OVER DEERFIELD RIVER	
REINFORCING STEEL SCHEDULE I - BR 25B	
Designed By D. VIENI	Drawn by K. DETRICK
Checked By M. OLSTAD Date 12/2001	Bridge Design Supervisor M. OLSTAD Date 12/2001
PROJECT SEARSBURG - WILMINGTON	PROJECT NO. NHF 010-1(18)
I.G.C. Info.	
Bridge Sheet No. BR426	Sheet 232 OF 435

CHA CLOUGH, HARBOUR & ASSOCIATES LLP
ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS
11 WINNERS CIRCLE ALBANY, NEW YORK, 12205

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