ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	O	R
1	ABUTMENT 1																
2	48	5	33'-5	1A501	STR												
3	84	5	4'-2	1A502 △	STR												
4	37 ~~24~~	5	17'-2	1A503 ▲	STR												
5	34	5	31'-2	1A504	STR												
6	6	5	31'-2	1A505 ▲	STR												
7	72	5	10'-5	1A506	S10		8'-5	0'-9	1'-3								
8	72	5	8'-11	1A507	S10		2'-0	4'-11	2'-0								
9	20	5	14'-7	1A508 ▲	STR											14'-7	
10	74	5	9'-8	1A509	S10		2'-2	1'-9	5'-9								
11	8	5	31'-2	1A510 ▲	STR												
12	34	5	5'-2	E1A511	16		0	2'-5	2'-9				2'-0		2'-0		
13	15	5	4'-4	1A512	19		2'-2	2'-2	0				1'-3		1'-9	4'-0	
14	40	5	11'-0	1A513 ▲	STR												
15	15	5	4'-4	1A514	19		2'-2	2'-2	0				1'-3		1'-9	4'-0	
16	6	5	12'-0	1A515 ▲	19		6'-0	6'-0	0			3'-8"	~~2'-5~~	4'-9"	~~3'-5~~	~~9'-0~~	10'-9"
17	18	5	19'-4	1A516	14		2'-2	15'-0	2'-2				2'-0		0		
18	50	5	11'-0	1A517 ▲	STR												
19	25	5	4'-4	1A518	19		2'-2	2'-2	0				2'-0		2'-0	4'-2	
20	2	5	23'-7	1A519	STR												
21	24	5	8'-2	1A520 ▲	STR												
22	11	5	5'-10	1A521	S10		2'-2	1'-6	2'-2								
23	4	5	~~10'-0~~	1A522	19	7'-9"	~~5'-0~~ 2'-9"	5'-0					2'-7		0'-11		
24	30	5	16'-3	1A523 ▲	STR												
25	17	5	15'-5	1A524	STR												
26	18	5	26'-0	1A525	STR												
27	18	5	27'-0	1A526	STR												
28	16	5	9'-6	1A527	STR												
29	16	5	13'-7	1A528	STR												
30	8	5	26'-8	1A529	STR												
31	8	5	13'-9	1A530	STR												
32	74	5	3'-5	1A531	STR												
33																	
34	74	6	10'-11	1A601 △	STR												
35																	
36	144	7	12'-5	1A701	2	1'-3	11'-9										
37	23	7	16'-11	1A702 ▲	STR												
38	30	7	16'-3	1A703	STR												
39	20	7	15'-5	1A704	STR												
40																	
41	72	8	10'-11	1A801 ▲	STR												
42																	
43	WINGWALL 1																
44																	
45	44	5	21'-2	1W501 ▲	STR												
46	68	5	4'-2	1W502 △	STR												
47	33	5	21'-8	1W503 ▲	STR												
48	45	5	32'-6	1W504 ▲	STR												
49	33	5	5'-10	1W505	S10		2'-2	1'-6	2'-2								
50	2	5	34'-0	1W506	STR												
51																	
52	44	6	9'-6	1W601 △	STR												
53																	
54	86	8	9'-6	1W801	STR												
55																	
56	66	10	10'-1	1W1001	2	1'-7	8'-9					0					
57	33	10	21'-8	1W1002	STR												
58																	
59																	
60	WINGWALL 2																
61																	
62	22	5	21'-5	2W501 ▲	STR												
63	20	5	4'-2	2W502 △	STR												
64	9	5	23'-6	2W503 ▲	STR												
65	50	5	8'-6	2W504 ▲	STR												
66	9	5	5'-10	2W505	S10		2'-2	1'-6	2'-2								
67	2	5	9'-9	2W506	STR												
68																	
69	22	6	9'-6	2W601 ▲	STR												
70																	
71	44	8	9'-6	2W801 ▲	STR												
72																	
73	19	10	10'-1	2W1001 △	2	1'-7	8'-9					0					
74	10	10	23'-6	2W1002 ▲	STR												
75																	
76																	
77																	
78	ABUTMENT 2			SEE REVISED SHEET													
79	48	5	27'-8	2A501	STR												
80	71	5	4'-2	2A502	STR												
81	26	5	21'-8	2A503 ▲	STR												
82	40	5	26'-0	2A504	STR												
83	6	5	26'-0	2A505 ▲	STR												
84	61	5	5'-3	2A506	STR												
85	55	5	8'-11	2A507	S10		2'-0	4'-11	2'-0								
86	20	5	14'-2	2A508 ▲	STR												
87	60	5	9'-1	2A509	S10		2'-2	1'-9	5'-9								
88	8	5	26'-0	2A510 ▲	STR												
89	27	5	5'-2	E2A511	16		0	2'-5	2'-9				2'-0		2'-0		
90	20	5	4'-4	2A512	19		2'-2	2'-2	0				1'-6	0	1'-6	3'-8	0
91	48	5	11'-0	2A513 ▲	STR												
92	20	5	5'-4	2A514	19		2'-2	3'-2	0				1'-6	0	1'-6	4'-8	0
93	4	5	12'-0	2A515 ▲	19		6'-0	6'-0	0				4'-3	0	4'-3	10	0
94	18	5	19'-4	2A516	14		2'-2	15'-0	2'-2				1'-2	1'-2			
95	48	5	11'-0	2A517 ▲	STR												
96	24	5	4'-4	2A518	19		2'-2	2'-2	0				1'-6	0	1'-6	3'-8	0
97																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	O	R
98	ABUTMENT 2 (CONT.)				SEE REVISED SHEET												
99	2	5	23'-6	2A519	STR												
100	21	5	8'-0	2A520 ▲	STR												
101	9	5	5'-10	2A521	S10		2'-2	1'-6	2'-2								
102	7	5	9'-2	2A522 ▲	19		5'-2	4'-0	0				4'-8		2'-2	7'-5	
103	25	5	19'-2	2A523 ▲	STR												
104	21	5	18'-2	2A524 ▲	STR												
105	19	5	20'-2	2A525	STR												
106	19	5	21'-8	2A526	STR												
107	21	5	7'-8	2A527	STR												
108	21	5	10'-3	2A528	STR												
109	8	5	10'-4	2A529 ▲	STR												
110	8	5	20'-3	2A530 ▲	STR												
111	22	5	3'-8	2A531	S10		1'-8	2'-0									
112	1	5	4'-0	2A533	STR												
113	61	6	10'-11	2A601 △	STR												
114	115	7	12'-5	2A701 ▲	2		11'-9										
115	16	7	19'-8	2A702	STR												
116	25	7	19'-2	2A703	STR												
117	21	7	18'-2	2A704	STR												
118	61	8	11'-1	2A801 △	STR												
119																	
120																	
121																	
122	WINGWALL 3			SEE REVISED SHEET													
123	22	5	17'-0	3W501 ▲	STR												
124	16	5	4'-2	3W502 △	STR												
125	7	5	23'-6	3W503 ▲	STR												
126	48	5	9'-6	3W504 ▲	STR												
127	7	5	5'-10	3W505	S10		2'-2	1'-6	2'-2								
128	2	5	8'-5	3W506	STR												
129																	
130	18	6	9'-6	3W601 ▲	STR												
131																	
132	34	8	9'-6	3W801 ▲	STR												
133																	
134	15	10	10'-1	3W1001 △	2	1'-7	8'-9										
135	7	10	23'-6	3W1002 ▲	STR												
136																	
137																	
138	WINGWALL 4			SEE REVISED SHEET													
139	44	5	33'-0	4W501 ▲	STR											33'-0	
140	108	5	4'-2	4W502 △	STR											3'-5	
141	53	5	25'-6	4W503 ▲	STR											25'-6	
142	108	5	28'-2	4W504 ▲	STR											28'-2	
143	53	5	5'-10	4W505	S10		2'-2	1'-6	2'-2								
144	4	5	28'-9	4W506	STR											28'-9	
145																	
146	62	6	9'-6	4W601 ▲	STR												
147																9'-6	
148	126	8	9'-6	4W801 △	STR												
149																9'-6	
150	106	10	10'-1	4W1001	2	1'-7	8'-9										
151	53	10	26-0	4W1002 ▲	STR												
152																26'-0	
153																	
154																	
155	PIER 1																
156	142	5	9'-6"	1P501 △	STR.												
157	40	5	27'-5"	1P502	STR.												
158	42	5	38'-3"	1P503	STR.												
159	40	5	15'-9"	1P504	STR.												
160	41	5	9'-3"	1P505	10	2'-0"	5'-3"	2'-0"								3'-4"	1'-8"
161	693	5	4'-4½"	1P508	ALT HOOK	5½"	3'-5"					6"					
162																	
163	105	6	60'-0"	1P601	SPIRAL												
164																	
165	15	7	43'-6"	1P701	STR.												
166	17	7	28'-4"	1P702 △	STR.												
167																	
168	136	8	8'-8"	1P801	2	1'-4"	7'-4"										
169	56	8	19'-9"	1P802	STR.												
170	80	8	21'-1"	1P803	STR.												
171	64	8	6'-7"	1P804	2	1'-8"	3'-3"					1'-8"					
172																	
173	15	10	24'-1"	1P1001	STR.												
174	15	10	52'-5"	1P1002	STR.												
175																	
176	141	11	29'-6"	1P1101	2	2'-0"	27'-6"										
177																	
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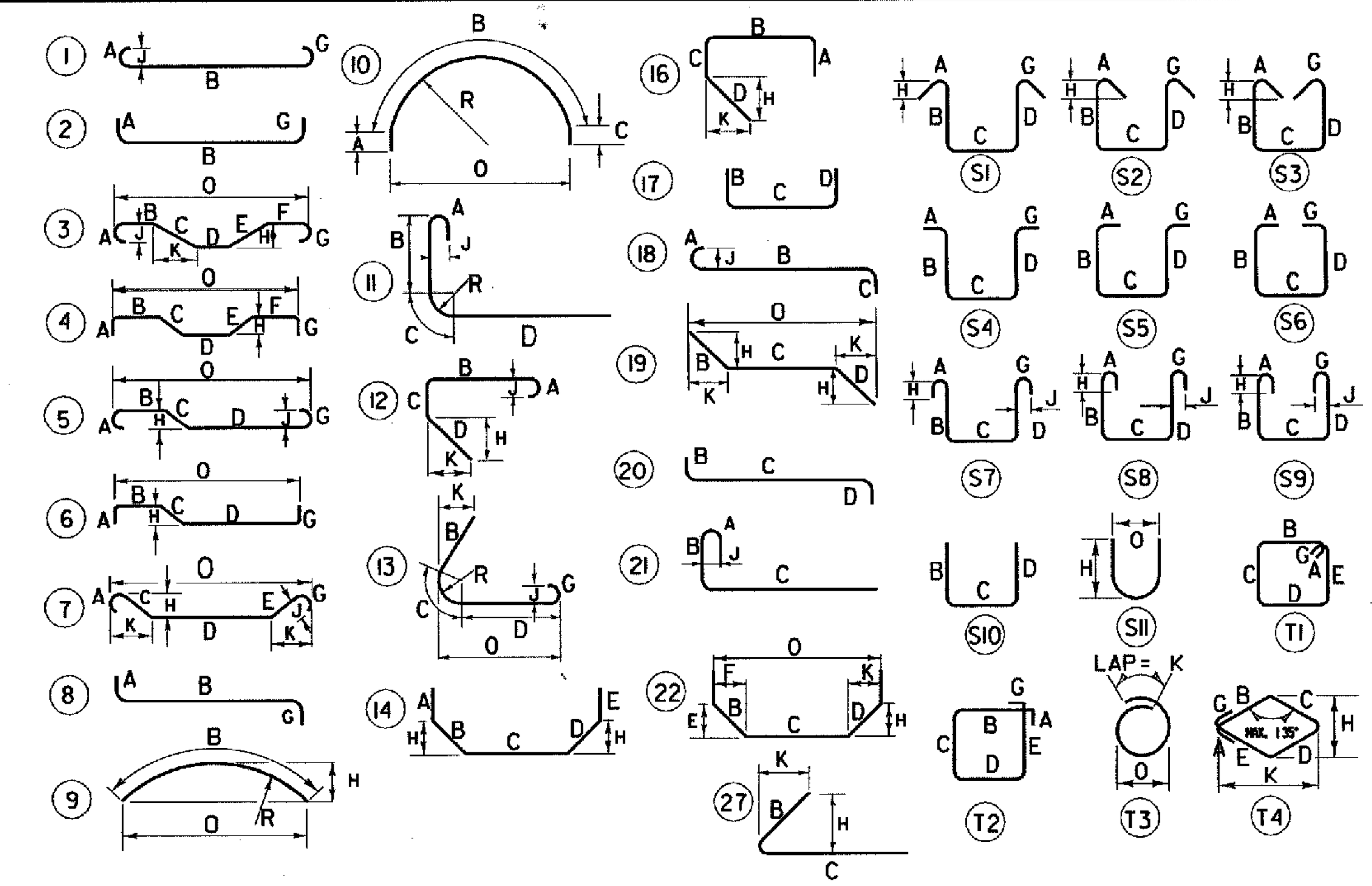

ASTM STANDARD REINFORCING BARS

BAR SIZE DESIG-NATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	CROSS SEC-TIONAL 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

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.

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

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of SEARSBURG	Bridge No. 25
	Log Sta.
Highway No. VT. RTE. 9	Surv. Sta.
VT. RTE. 9 OVER DEERFIELD RIVER	
REINFORCING STEEL SCHEDULE I - BR 25	
Designed By D. VIENI	Drawn by Wm WEATHREBY
Checked By M. OLSTAD Date 2/2002	Bridge Design Supervisor M. OLSTAD Date 2/2002
PROJECT SEARSBURG - WILMINGTON	PROJECT NO. NHF 010-1(18)
I.C.C. Info.	
Bridge Sheet No. BR240	Sheet 163 OF 435

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