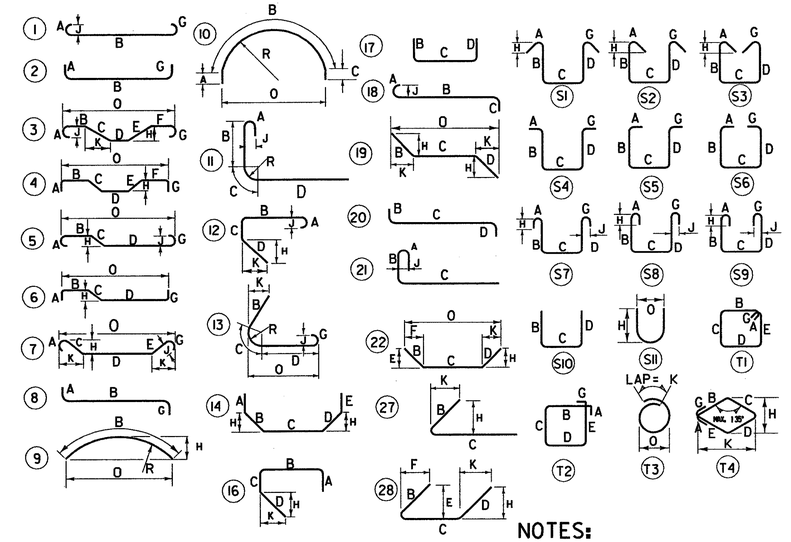
ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1	APPROACH SLAB 1																
2	27	5	34'-1	E1AS501 △	STR.												
3	25	5	36'-0	E1AS502	STR.												
4	61	9	27'-7	E1AS901 △	1	1'-3	26'-4							1'-3			
5																	
6																	
7	APPROACH SLAB 2																
8	27	5	22'-11	E2AS501 △	STR.												
9	25	5	23'-6	E2AS502	STR.												
10	53	9	25'-9	E2AS901 △	1	1'-3	24'-5							1'-0			
11																	
12																	
13																	
14																	
15																	
16	PIER 1																
17	30	4	20'-11	IP401	T1	4 1/2	6'-8 5/8	3'-4	6'-8 5/8	3'-4		4 1/2					
18	20	4	16'-11	IP402 △	T1	4 1/2	4'-8 5/8	3'-4	4'-8 5/8	3'-4		4 1/2					
19	72	5	9'-6	IP501	STR.												
20	38	5	10'-9 3/8	IP502	S11								4'-6 1/4				3'-0 3/4
21	38	5	27'-4	IP503	STR.												
22	2	5	33'-0	IP504	STR.												
23	24	5	29'-5	IP505 ▲	STR.												
24	12	5	29'-4 1/2	IP506	STR.												
25	4	5	18'-2 1/2	IP507	22		2'-2	13'-5 1/2	2'-7	11 3/4	1'-11 1/4		2'-3 5/8		1'-2 1/2		15'-7 3/4
26	4	5	17'-5 1/4	IP508	22		2'-7	14'-1	2'-2	2'-2 3/8	1'-4 5/8		1'-5 1/8		1'-10		
27	44	5	3'-4	IP509 △	STR												
28																	
29	2 EA	5	13'-7	IP510A	T1	4 1/2	2'-7 1/4	3'-9 3/4	2'-7 1/4	3'-9 3/4		4 1/2					
30			TO	THRU				TO		TO	VARY IN 12 EQ. INCREMENTS						
31	2 EA	5	26'-5 1/2	IP510M	T1	4 1/2	2'-7 1/4	10'-2 1/4	2'-7 1/4	10'-2 1/4		4 1/2					
32																	
33	2 EA	5	13'-8 1/2	IP511A	T1	4 1/2	2'-7 1/4	3'-10 1/2	2'-7 1/4	3'-10 1/2		4 1/2					
34			TO	THRU				TO		TO	VARY IN 12 EQ. INCREMENTS						
35	2 EA	5	27'-6 1/4	IP511M	T1	4 1/2	2'-7 1/4	10'-9 3/8	2'-7 1/4	10'-9 3/8		4 1/2					
36																	
37	64	6	11'-4 1/4	IP601 ▲	STR.												
38	11	8	34'-6	IP801	STR.												
39	104	9	9'-11	IP901	2	1'-7	8'-5										
40	104	9	24'-6	IP902	STR.												
41	11	10	34'-6	IP1001	STR.												
42	12	10	20'-7	IP1002	1	1'-5	19'-2							1'-1 1/4			
43	12	10	21'-2 1/2	IP1003	17		3'-0	19'-7									
44	8	10	33'-0	IP1004	STR.												
45																	
46	DRILLED SHAFTS (PIER 1)																
47	118	6	60'-0	IP602 △	STR.												
48	96	11	48'-6	IP1101 △	2	2'-0	46'-6										
49																	
50																	
51																	
52	PIER 2																
53	32	4	15'-6	2P401 △	T1	4 1/2	4'-0 3/8	3'-4	4'-0 3/8	3'-4		4 1/2					
54	18	4	18'-2	2P402	T1	4 1/2	5'-4 1/8	3'-4	5'-4 1/8	3'-4		4 1/2					
55	62	5	9'-6	2P501	STR.												
56	36	5	10'-11	2P502	S11								4'-6 1/4				3'-0 3/4
57	36	5	21'-11	2P503	STR.												
58	2	5	26'-3	2P504	STR.												
59	24	5	25'-7	2P505 ▲	STR.												
60	12	5	26'-2	2P506	STR.												
61	4	5	18'-2	2P507	22		2'-7	13'-5 1/4	2'-2	2'-3 5/8	1'-2		11 3/4		1'-11 1/4		16'-7 1/8
62	4	5	19'-0	2P508	22		2'-2	14'-3 1/8	2'-7	1'-2	1'-8 1/8		2'-2 1/8		1'-4 3/4		17'-6
63	38	5	3'-3	2P509 △	STR.												
64																	
65	2 EA	5	13'-6	2P510A	T1	4 1/2	2'-7 1/4	3'-9 1/4	2'-7 1/4	3'-9 1/4		4 1/2					
66			TO	THRU				TO		TO	VARY IN 12 EQ. INCREMENTS						
67	2 EA	5	26'-1	2P510o	T1	4 1/2	2'-7 1/4	10'-0 1/2	2'-7 1/4	10'-0 1/2		4 1/2					
68																	
69	2 EA	5	13'-6	2P511A	T1	4 1/2	2'-7 1/4	3'-9 1/4	2'-7 1/4	3'-9 1/4		4 1/2					
70			TO	THRU				TO		TO	VARY IN 12 EQ. INCREMENTS						
71	2 EA	5	27'-8	2P511o	T1	4 1/2	2'-7 1/4	11'-8 1/4	2'-7 1/4	11'-8 1/4		4 1/2					
72																	
73	52	6	11'-5	2P601 ▲	STR.												
74	11	8	29'-9	2P801	STR.												
75	84	9	9'-11	2P901	2	1'-6 3/4	8'-4 1/2										
76	84	9	24'-5	2P902	STR.												
77	11	10	29'-9	2P1001	STR.												
78	14	10	20'-8	2P1002	1	1'-5	18'-2 1/2										
79	14	10	21'-3	2P1003	17		3'-0	18'-3						1'-1/4			
80	8	10	26'-3	2P1004	STR.												
81																	
82	DRILLED SHAFTS (PIER 2)																
83	108	6	60'-0	2P602 △	STR.												
84	96	11	44'-6	2P1101 △	2	2'-0	42'-6										
85																	
86																	
87																	
88																	
89																	
90																	
91																	
92																	
93																	
94																	
95																	
96																	
97																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
98	DECK SLAB																
99	556	5	42'-2	ES501	STR.												
100	1112	5	22'-9	ES502	1	0'-7	22'-2							0'-5			
101	365	5	45'-6	ES503	STR.												
102	1 EA.	5	12'-9	ES504	STR.												
103		5	TO	THRU	STR.	VARY IN 4 EQUAL INCREMENTS											
104	1 EA.	5	14'-11	ES508	STR.												
105	411	5	22'-3	ES509	STR.												
106	2 EA.	5	21'-1	ES510	STR.												
107		5	TO	THRU	STR.	VARY IN 49 EQUAL INCREMENTS											
108	2 EA.	5	28'-7	ES559	STR.												
109	38	5	34'-10	ES560	STR.												
110	38	5	33'-8	ES561	STR.												
111	38	5	32'-8	ES562	STR.												
112	38	5	35'-8	ES563	STR.												
113	38	5	34'-9	ES564	STR.												
114	38	5	33'-11	ES565	STR.												
115	38	5	32'-2	ES566	STR.												
116	38	5	31'-10	ES567	STR.												
117	38	5	31'-5	ES568	STR.												
118	1 EA.	5	3'-6	ES569	STR.												
119		5	TO	THRU	STR.	VARY IN 106 EQUAL INCREMENTS											
120	1 EA.	5	40'-2	ES5175	STR.												
121	1 EA.	5	4'-1	ES5176	1	0'-7	3'-6							0'-5			
122		5	TO	THRU			TO	VARY IN 106 EQUAL INCREMENTS									
123	1 EA.	5	40'-9	ES5282	1	0'-7	40'-2							0'-5			
124	1 EA.	5	1'-2	ES5283	STR.												
125		5	TO	THRU		VARY IN 53 EQUAL INCREMENTS											
126	1 EA.	5	40'-2	ES5336	STR.												
127	1 EA.	5	1'-9	ES5337	1	0'-7	1'-2							0'-5			
128		5	TO	THRU			TO	VARY IN 53 EQUAL INCREMENTS									
129	1 EA.	5	40'-9	ES5390	1	0'-7	40'-2							0'-5			
130	35	5	7'-5	ES5339	16	2'-2"	0'-7	4'-1	0'-7				1'-4 1/2		0'-10		
131	10	5	9'-2	ES5392	STR.												
132	4	5	32'-9	ES5393	STR.												
133	35	5	5'-11	ES5394	16	2'-2"	0'-10	1'-9	1'-2				0'-10 3/4		0'-9		
134	17	5	7'-2	ES5395 △	STR.												
135	551	5	5'-6	ES5396 △	S5	1'-3	1'-0	1'-3	1'-7			1'-0	1'-2 1/16		1'-1/4		
136	1	5	50'-0	ES5397	STR.												
137																	
138																	
139	116	8	46'-0	ES801 △													
140																	
141																	
142																	
143	CURB																
144	29	5	42'-0	EC501 △	STR.												
145	30	5	40'-9	EC502 △	STR.												
146																	
147																	
148																	
149																	
150																	
151																	
152																	
153																	
154																	
155																	
156																	
157																	
158																	
159																	
160																	
161																	
162																	
163																	
164																	
165																	
166																	
167																	
168																	
169																	
170																	
171																	
172																	
173																	
174																	
175																	
176																	
177																	
178																	
179																	
180																	
181																	
182																	
183																	
184																	
185																	
186																	
187																	
188																	
189																	
190																	
191																	
192																	
193																	
194																	



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 615-91). 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 2 - 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. BR427	Sheet 233 OF 435

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

FILE NAME =q:\1975\MSTN\15\BR0025B\25B_bar_list_PLT
DATE/TIME =12/18/01
USER =564