ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1																	
2				SUPERSTRUCTURE													
3																	
4	444	5	24-1	ES501	STR												
5	148	5	21-2	ES501A	STR												
6	8	5	22-7	ES502	STR												
7	80	5	27-1	ES503	STR												
8△	18	5	7-0	ES503A	STR	▲											
9																	
10																	
11																	
12△	678	6	30-3	ES601	STR	▲											
13	244	6	45-2	ES602	STR												
14																	
15																	
16																	
17	522	5	4-7	ES504	S5	0-6	1-5	0-9	1-5			0-6					
18	88	5	7-11	ES505	S5	4-5	0-9	2-1	0-8			⊠					
19																	
20																	
21																	
22																	
23																	
24																	
25				ABUTMENT #1													
26																	
27	44	5	26-1	1A501	STR												
28△	14	5	5-6	1A507	STR												
29																	
30																	
31																	
32△	10	7	25-9	1A701	STR												
33																	
34																	
35△	6	8	16-0	1A801	STR												
36																	
37																	
38△	10	11	20-9	1A1101	STR												
39																	
40																	
41	61	5	9-2	1A502	T1	0-7	1-7	2-5	1-7	2-5		0-7					
42	51	5	9-11	1A503	16	2-2	3-1	1-6	1-8	1-6			0-11		1-5		
43	51	5	9-10	1A504	S10		4-6	0-10	4-6								
44	46	5	7-3	1A505	16	2-2	1-10	0-9	2-6	⊠			⊠		⊠		
45	51	5	9-6	1A506	S10		4-4	0-10	4-4								
46																	
47	12	8	9-3	1A802	19		6-3	3-0	⊠				⊠		⊠		
48	16	8	6-0	1A803	19		3-0	3-0	⊠				⊠		⊠		
49																	
50																	
51																	
52				PIER #1													
53																	
54	23	5	4-6	1P501	STR												
55△	24	5	24-0	1P502	STR												
56																	
57																	
58																	
59	47	5	7-6	1P503	S10		1-6	4-6	1-6								
60	46	5	5-0	1P504	S10		3-0	2-0	⊠								
61																	
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ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
81																	
82				ABUTMENT #2													
83																	
84				ABUTMENT #2 SHALL HAVE THE SAME BARS													
85																	
86				AS ABUTMENT #1 BUT SHALL HAVE A PREFIX OF "2A."													
87																	
88																	
89																	
90																	
91																	
92																	
93				PIER #2													
94																	
95				PIER #2 SHALL HAVE THE SAME BARS AS													
96																	
97				PIER #1 BUT SHALL HAVE A PREFIX OF "2P."													
98																	
99																	
100																	
101																	
102																	
103																	
104																	
105				APPROACH SLAB - ABUTMENT #1													
106																	
107																	
108△	54	5	22-7	2AA601	STR												
109																	
110	42	9	25-9	1AA901	1	1-3	24-6	▲									
111																	
112																	
113																	
114																	
115																	
116																	
117				APPROACH SLAB - ABUTMENT #2													
118																	
119																	
120	52	5	22-7	2AA601	STR												
121																	
122△	43	9	25-9	2AA901	1	1-3	24-6	▲									
123																	
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ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
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162																	
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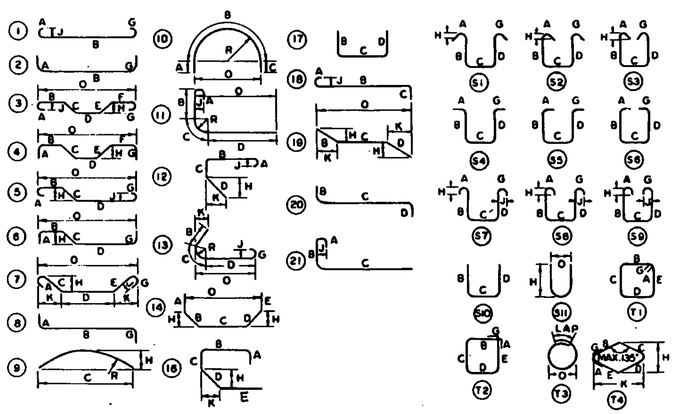
ASTM STANDARD REINFORCING BARS

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 615-81). 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° 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 BARS TO BE CUT IN FIELD.
✱ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
△ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.

REV. NO.	MADE BY	DATE	DESCRIPTION

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF NORWICH	BRIDGE NO. 81
HIGHWAY NO. U.S. ROUTE 5	LOG STA. 345+47
	SURV. STA. 345+47

U.S. ROUTE 5 OVER THE OMPOMPANOOSUC RIVER

REINFORCING STEEL SCHEDULE

DESIGNED BY D.J. HOYNE	DRAWN BY D.J. HOYNE
CHECKED BY R.E. SUCKERT DATE 2-92	BRIDGE DESIGN SUPERVISOR F.W. Bo/kum DATE 4/92
PROJECT NORWICH	PROJECT NO. BHS 0113 (36)
BRIDGE SHEET NO. BR 115	SHEET 31 OF 70