ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1																	
2																	
3						SUPERSTRUCTURE											
4																	
5 ○	8	5	46-9	S501	STR												
6	92	5	9-5	S502	S6	0-10	1-6	4-9	1-6			0-10					
7																	
8																	
9 ○	23	7	36-5	S701	STR												
10 ○	*24	7	33-10	S702	STR												
11 ○	*6	7	26-3	S703	STR		(CONSTRUCTION BARS)										
12																	
13																	
14 ○	*26	11	48-4	S1101	1	1-7	46-9										
15 ○	*27	11	46-2	S1102	1	1-7	44-7										
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30						ABUTMENT NO. 1											
31																	
32	46	5	3'-9	1A501	STR.												
33	34		25-3	1A502													
34	37		11-2	1A503													
35	48		23-8	1A504													
36 ○	9		14-0	1A505	STR.												
37	37	5	6-6	1A506	17		2-6	1-6	2-6								
38																	
39																	
40	*47	8	9-6	1A801	STR.												
41	37		11-2	1A802													
42 ○	7		14-0	1A803													
43	18		3-0	1A804	STR												
44	44	8	10-4	1A805	17		5-9	4-7									
45																	
46																	
47																	
48						WINGWALL NO. 1											
49																	
50	9	5	3-9	1W501	STR.												
51	*18		10-10	1W502													
52 ○	9		14-0	1W503													
53 ○	30	5	8-6	1W504	STR.												
54																	
55																	
56	12	8	9-6	1W801	STR.												
57 ○	8	8	14-0	1W802	STR.												
58	8	8	10-4	1W803	17		5-9	4-7									
59																	
60																	
61																	
62						WINGWALL NO. 2											
63																	
64	24	5	3-9	2W501	STR.												
65	17		24-3	2W502													
66 ○	24		13-2	2W503													
67 ○	28	5	23-6	2W504	STR.												
68																	
69																	
70	25	8	9-6	2W801	STR.												
71 ○	24	8	13-2	2W802	STR.												
72	24	8	10-4	2W803	17		5-9	4-7									
73																	
74																	
75																	
76																	
77																	
78																	
79																	
80																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
81																	
82																	
83						ABUTMENT NO. 2											
84																	
85	40	5	3-9	2A501	STR.												
86	34		22-2	2A502													
87	32		11-4	2A503													
88	48		20-7	2A504													
89 ○	8		13-7	2A505	STR.												
90	32	5	6-6	2A506	17		2-6	1-6	2-6								
91																	
92																	
93	*44	8	9-6	2A801	STR.												
94	32		11-4	2A802													
95 ○	7		13-7	2A803													
96	16		3-0	2A804	STR.												
97	39	8	10-4	2A805	17		5-9	4-7									
98																	
99																	
100																	
101						WINGWALL NO. 3											
102																	
103	17	5	3-9	3W501	STR.												
104	17		17-1	3W502													
105 ○	17		13-7	3W503													
106 ○	28	5	16-1	3W504	STR.												
107																	
108																	
109	18	8	9-6	3W801	STR.												
110 ○	17	8	13-7	3W802	STR.												
111	17	8	10-4	3W803	17		5-9	4-7									
112																	
113																	
114																	
115						WINGWALL NO. 4											
116																	
117	10	5	3-9	4W501	STR.												
118	17		10-6	4W502													
119 ○	10		13-4	4W503													
120 ○	*29	5	8-7	4W504	STR.												
121																	
122																	
123	11	8	9-6	4W801	STR.												
124 ○	8	8	13-4	4W802	STR.												
125	8	8	10-4	4W803	17		5-9	4-7									
126																	
127																	
128																	
129																	
130																	
131																	
132																	
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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																	
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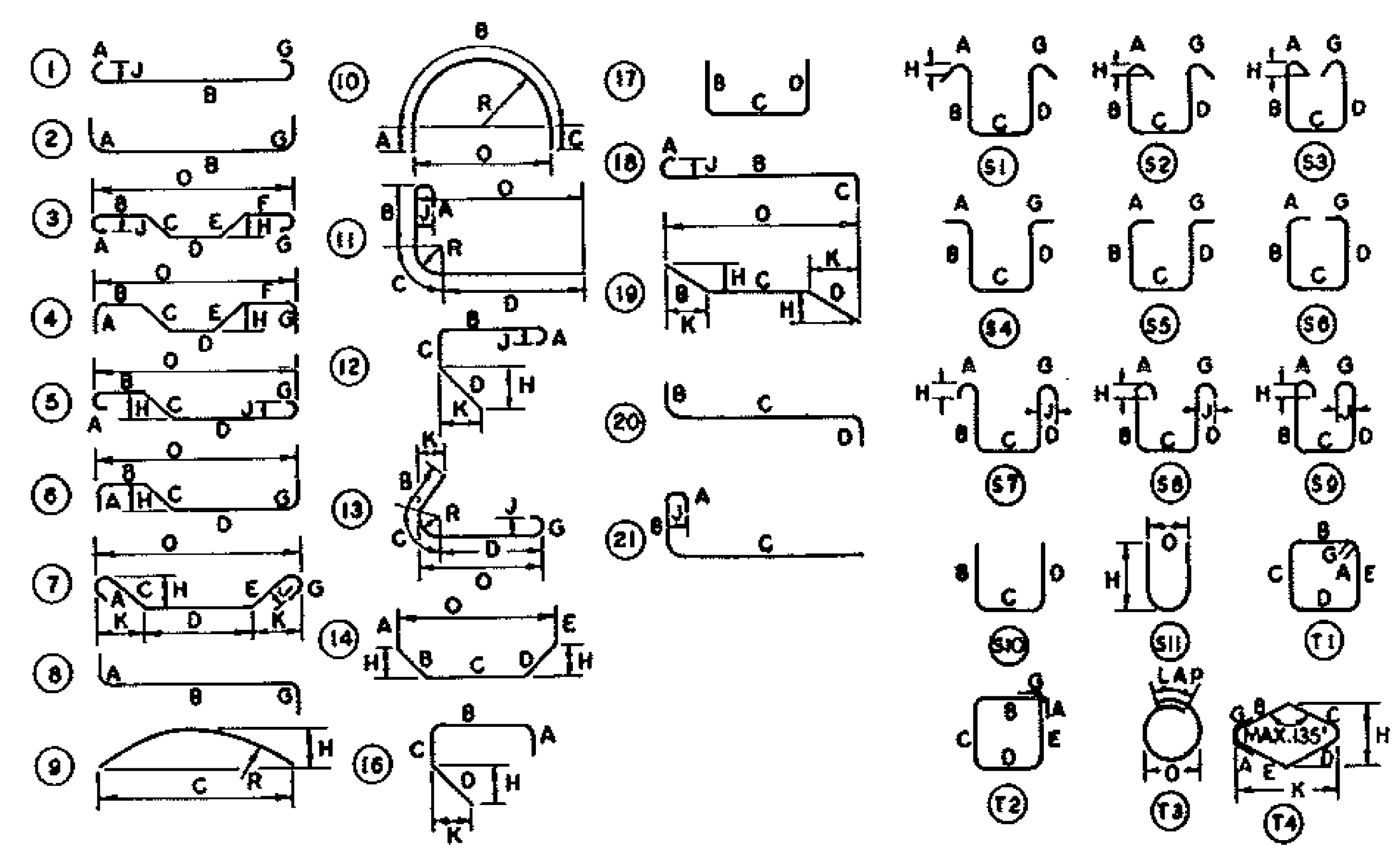
ASTM STANDARD REINFORCING BARS

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-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° 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 CONCORD | BRIDGE NO. 20 | LOG STA. | SURV. STA.

HIGHWAY NO. T.H. # 11

T.H. # 11 OVER MILES BROOK

REINFORCING STEEL SCHEDULE

DESIGNED BY M. POLOGRUTO | DRAWN BY D. C. WILLEY

CHECKED BY G.V. SPILAK DATE 4-85 | BRIDGE DESIGN SUPERVISOR R.S. HAUPT DATE 3-8

PROJECT CONCORD | PROJECT NO. BRZ 1447 (10)

BRIDGE SHEET NO. | SHEET 13 OF 29

BRUNING 44-131 58384

BR-5-83