ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1							APPROACH SLABS (epoxy coated)										
✱ 2	43	5	19 - 6	EA5500	STR												
✱ 3	75	9	22 - 0	EA5500	1	1 - 3	19 - 6					0 - 0		1 - 0			
4																	
5							SUPERSTRUCTURE (epoxy coated)										
✱ 6	513	5	21 - 8	ES300	STR												
7	87	5	0 - 3	ES301	SS	0 - 10	1 - 3	1 - 7	1 - 11			0 - 10					
8	214	5	7 - 5	ES302	2	0 - 6	6 - 11										
9	164	5	3 - 5	ES303	8	0 - 10	1 - 1					0 - 10					
10	62	5	11 - 4	ES304	16	0 - 10	1 - 7	0 - 6	2 - 3								
11	56	5	9 - 1	ES305	SS	0 - 6	3 - 9	0 - 7	3 - 9			0 - 8					
12	38	5	4 - 3	ES306	2	0 - 6	3 - 9										
13	8	5	4 - 10	ES307	STR												
14	18	5	4 - 8	ES308	2	2 - 0	0 - 8					2 - 0					
15	6	5	3 - 9	ES309	13												
16	8	5	14 - 9	ES310	STR												
17	8	5	27 - 0	ES311	STR												
18	48	5	6 - 3	ES312	STR												
19	2	5	3 - 9	ES313	6	1 - 3	1 - 3					1 - 3					
20	6	5	28 - 6	ES314	STR												
21																	
22	162	5	30 - 6	ES400	STR												
✱ 23	163	5	9 - 3	ES401	STR												
24	162	5	28 - 0	ES402	STR												
25	162	5	10 - 6	ES403	STR												
26																	
✱ 27	33	6	2 - 4	ES500	14	1 - 6	6 - 10	0 - 9	0 - 0	0 - 0			0 - 7				0 - 0
28																	
29																	
30																	
31																	
32							ABUTMENT 1										
33	44	5	3 - 7	1A400	2	0 - 10	4 - 9					0 - 0					
✱ 34	45	5	14 - 6	1A401	STR												
35	41	5	6 - 1	1A402	2	2 - 0	2 - 1					2 - 0					
36	16	5	5 - 11	1A403	2	2 - 0	1 - 11					2 - 0					
37	34	5	29 - 6	1A404	STR												
38	34	5	12 - 10	1A405	STR												
39	32	5	7 - 0	1A406	14	5 - 0	2 - 0	0 - 0	0 - 0	0 - 0			1 - 5				0 - 0
40																	
✱ 41	27	5	38 - 0	1A600	STR												
42	26	5	20 - 0	1A601	STR												
43	41	5	3 - 3	1A602	STR												
44	42	5	12 - 6	1A603	STR												
45																	
✱ 46	68	7	11 - 4	1A700	STR												
47	44	7	13 - 0	1A701	1	0 - 10	11 - 4					0 - 10		0 - 7			
48																	
✱ 49	64	8	8 - 9	1A800	2	1 - 3	7 - 6					0 - 0					
50																	
51							WINGWALL 1										
52	8	5	5 - 7	1W500	2	0 - 10	4 - 9					0 - 0					
✱ 53	7	5	19 - 6	1W501	STR												
54	5	5	6 - 1	1W502	2	2 - 0	2 - 1					2 - 0					
55	16	5	13 - 11	1W503	16	4 - 11	2 - 1	4 - 11	2 - 0				1 - 5		1 - 5		
56	5	5	7 - 9	1W504	16	0 - 0	2 - 1	4 - 11	0 - 9				0 6.375		0 6.375		
57	5	5	6 - 1	1W505	19		0 - 0	4 - 0					1 - 6		1 - 6		5 - 6
58																	
✱ 59	23	6	9 - 6	1W600	STR												
60	8	6	17 - 3	1W601	STR												
61	3	6	7 - 6	1W602	STR												
62																	
▲ ✱ 63	14	7	9 - 6	1W700	STR												
▲ 64	8	7	11 - 2	1W701	1	0 - 1	9 - 8					0 - 10		0 - 7			
65																	
✱ 66	8	8	6 - 9	1W800	2	1 - 3	7 - 6					0 - 0					
67																	
68							WINGWALL 2										
69	8	5	4 - 8	2W550	S10		2 - 1	0 - 8	2 - 1								
70																	
71	8	6	7 - 6	2W600	STR												
72																	
73																	
74																	
75																	
76																	
77																	
78																	
79																	
80																	
81																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
82							ABUTMENT 2										
83	35	5	5 - 7	2M520	2	0 - 10	1 - 9										
84	35	5	13 - 9	2M521	STR												
85	41	5	6 - 1	2M522	2	2 - 0	2 - 1					2 - 0					
86	32	5	21 - 6	2M553	STR												
87	32	5	21 - 3	2M54	STR												
88																	
89	36	6	34 - 0	2M600	STR												
90	38	6	39 - 6	2M601	STR												
91	34	6	8 - 3	2M602	STR												
92	32	6	11 - 9	2M603	STR												
93																	
94	136	4	11 - 4	2M700	STR												
95	36	7	13 - 0	2M701	1	0 - 10	11 - 4										
96																	
97	108	8	8 - 9	2M800	2	1 - 3	7 - 6					0 - 0					
98																	
99																	
100							WINGWALL 3										
101	25	5	6 - 1	3W540	2	2 - 0	2 - 1										
102	15	5	5 - 1	3W541	7	3 - 1	2 - 0										
103	30	5	12 - 0	3W542	STR												
104	16	5	4 - 9	3W543	STR												
105	15	5	5 - 0	3W544	STR												
106	32	5	8 - 4	3W545	STR												
107	6	5	10 - 4	3W546	STR												
108	10	5	6 - 0	3W547	7	2 - 0	2 - 0					2 - 0					
109	16	5	6 - 7	3W548	2	1 - 0	5 - 7					6 - 0					
110																	
111	12	6	10 - 6	3W549	STR												
112																	
113																	
114							WINGWALL 4										
115	9	5	5 - 7	4W569	7	0 - 10	4 - 8										
116	10	5	19 - 0	4W591	STR												
117	39	5	7 - 0	4W592	14	3 - 0	2 - 0	0 - 0	0 - 0	0 - 0				1 - 5			0 - 0
118	39	5	12 - 6	4W593	14	10 - 0	2 - 6	0 - 0	0 - 0	0 - 0				1 - 9			0 - 0
119	3	5	7 - 6	4W594	STR												
120	10	5	12 - 6	4W595	14	0 - 0	2 - 6	2 - 6	2 - 6					1 - 9			11 - 0
121	11	5	5 - 10	4W596	2	2 - 1	3 - 9										
122	2	5	4 - 1	4W597	2	1 - 0	2 - 1	1 - 0									
123	6	5	6 - 1	4W598	2	2 - 0	2 - 1										
124																	
125	21	6	19 - 0	4W599	STR												
126	12	6	17 - 0	6W601	STR												
127																	
128	16	3	12 - 0	4W700	STR												
129																	
130	12	5	8 - 9	4W800	2	1 - 3	7 - 6					0 - 0					
131																	
132																	
133	50						RETAINING WALL										
134	26	5	13 - 0	6W500	STR												
135	59	5	5 - 6	6W501	STR												
136	51	5	6 - 10	6W502	2	0 - 10	4 - 0					0 - 0					
137	59	5	6 - 3	6W503	STR												
138	2	5	23 - 10	6W504	14	2 - 10	21 - 0	0 - 0	0 - 0					20 - 10			
139																	
140																	
141																	
142																	
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ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
163																	
164																	
165																	
166																	
167																	
168																	
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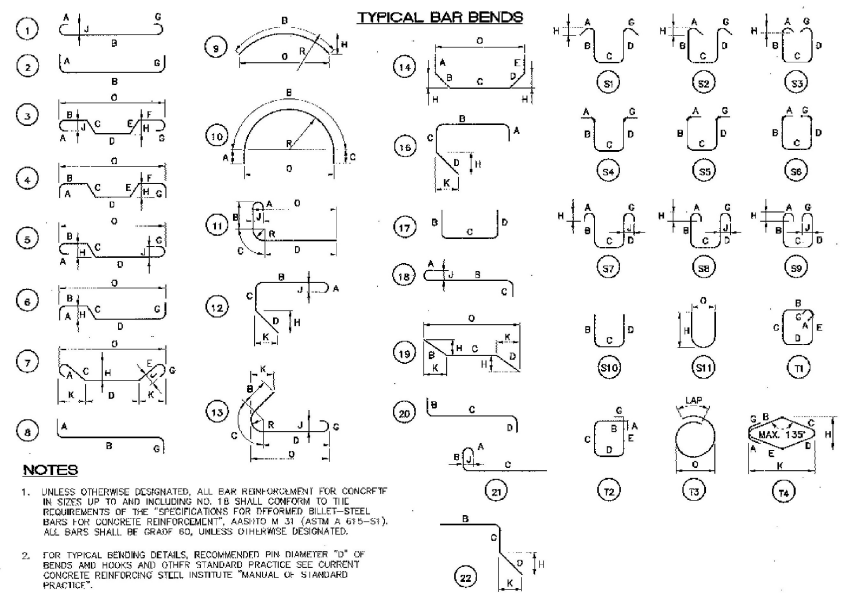
183																	

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	0.376	0.375	0.11	1.178
#4	0.668	0.500	0.20	1.571
#5	1.043	0.625	0.31	1.963
#6	1.502	0.750	0.44	2.356
#7	2.044	0.875	0.60	2.749
#8	2.670	1.000	0.79	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	7.650	1.693	2.25	5.320
#18	13.60	2.257	4.00	7.090

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 615-91). 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° 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.

BETTIGOLE ANDREWS & CLARK, INC.
Consulting Engineers

STATE OF VERMONT
AGENCY OF TRANSPORTATION

CITY OF BARRE	BRIDGE NO. B-10
	LOG STA.
STREET NAME BLACKWELL STREET	SURV. STA.
BLACKWELL STREET OVER STEVENS BRANCH	
REINFORCING STEEL SCHEDULE	
DESIGNED BY V DeAngelo	DRAWN BY S Belanger
CHECKED BY J Patusky DATE 12/98	BRIDGE DESIGN SUPERVISOR J Patusky DATE 12/9
PROJECT BARRE CITY	PROJECT NO. BRM 6000(19)
B&C DRAWING NO. GLKREBAR	DATE 12/98
BRIDGE SHEET NO. BR120	SHEET 33 OF 46