ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1								ABUTMENT #1									
2																	
3	31	5	3-11	1A501	STR												
4																	
5	13	5	30-0	1A502	STR												
6																	
7	50	5	11-9	1A503	STR												
8																	
9	12	5	13-11	1A504	STR												
10																	
11	24	5	30-0	1A505	STR												
12																	
13																	
14	*32	7	7-6	1A701	STR												
15																	
16	13	8	3-6	1A801	STR												
17																	
18																	
19	*26	5	5-1	1A506	17		2-0	1-1	2-0								
20																	
21	*32	6	8-10	1A601	17		/	3-7	5-3								
22																	
23																	
24																	
25								WINGWALL #1									
26	12	5	3-11	1W501	STR												
27																	
28	14	5	10-9	1W502	STR												
29																	
30	12	5	13-11	1W503	STR	▲											
31																	
32	12	5	10-7	1W504	STR	▲											
33																	
34	*13	8	8-0	1W801	STR												
35																	
36																	
37	12	5	12-7	1W505	19	▲	3-0	9-7	/								
38																	
39	12	5	14-4	1W506	19	▲	2-0	12-4	/								
40																	
41	12	5	5-1	1W507	17		2-0	1-1	2-0								
42																	
43	3	5	10-1	1W508	19	▲	3-9	6-4	/								
44																	
45	3	5	9-11	1W509	19	▲	1-1	8-10	/								
46																	
47	2	5	11-9	1W510	19		1-6	10-3	/			0-5		1-5			
48																	
49																	
50	12	8	10-3	1W802	17		/	3-0	7-3								
51																	
52																	
53								WINGWALL #2									
54	12	5	3-11	2W501	STR												
55																	
56	14	5	10-9	2W502	STR												
57																	
58	12	5	13-11	2W503	STR	▲											
59																	
60	12	5	10-7	2W504	STR	▲											
61																	
62	12	8	8-0	2W801	STR												
63																	
64																	
65	12	5	12-7	2W505	19	▲	3-0	9-7	/								
66																	
67	12	5	14-4	2W506	19	▲	2-0	12-4	/								
68																	
69	12	5	5-1	2W507	17		2-0	1-1	2-0								
70																	
71	3	5	10-1	2W508	19	▲	3-9	6-4	/								
72																	
73	3	5	9-11	2W509	19	▲	1-1	8-10	/								
74																	
75	2	5	11-9	2W510	19		1-6	10-3	/			0-5		1-5			
76																	
77																	
78	12	8	10-3	2W802	17		/	3-0	7-3								
79																	
80																	

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			NOTE: SAME AS ABUTMENT #1 USE MARK 2A.														
85																	
86																	
87																	
88																	
89																	
90																	
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99																	
100																	
101																	
102																	
103																	
104																	
105								WINGWALL #3									
106																	
107			NOTE: SAME AS WINGWALL #2 USE MARK 3W.														
108																	
109																	
110																	
111																	
112																	
113																	
114																	
115																	
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127																	
128																	
129																	
130																	
131																	
132																	
133								WINGWALL #4									
134																	
135			NOTE: SAME AS WINGWALL #1 USE MARK 4W.														
136																	
137																	
138																	
139																	
140																	
141																	
142																	
143																	
144																	
145																	
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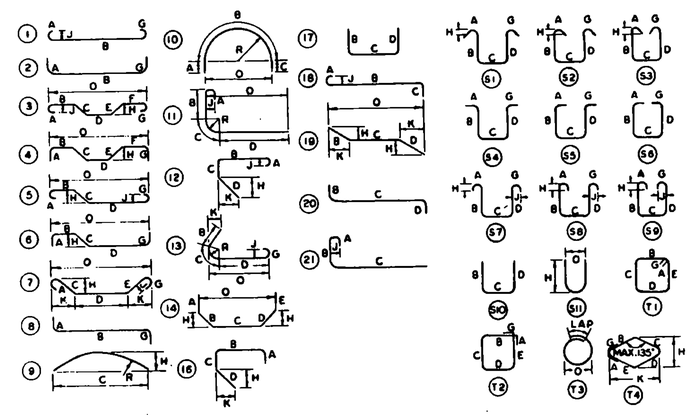
157																	
158																	
159																	
160																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
161								SLAB									
162																	
163	24	5	25-2	S501	STR												
164																	
165	10	5	22-6	S502	STR												
166																	
167																	
168	48	5	7-8	S503	S6	0-10	1-0	4-0	1-0			0-10					
169																	
170	△37	9	23-9	S901	1	1-3	22-6					/					
171																	
172																	
173																	
174																	
175																	
176																	
177																	
178																	
179																	
180																	

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 CHELSEA	BRIDGE NO. 30
	LOG STA.
HIGHWAY NO. TH 3	SURV. STA. 11+83
TOWN HIGHWAY 3 OVER CRAM BROOK	
REINFORCING STEEL SCHEDULE	
DESIGNED BY R.E. SUCKERT	DRAWN BY R.E. SUCKERT
CHECKED BY C.P. WILLIAMS DATE 2-92	BRIDGE DESIGN SUPERVISOR F.W. BOLKUM DATE 2/92
PROJECT CHELSEA	PROJECT NO. TH 3806
BRIDGE SHEET NO.	SHEET 11 OF 19