ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1																	
2																	
3					WALL # 1 STA. 11+45.5 ~ 11+85.5 RT.												
4																	
5	8	5	41-6	1S501A	Str.												
6	9*	5	8-0	1S501B	Str.												
7	44	5	5-6	1S502	17		2-1	3-5									
8	44	5	3-5	1S503	Str.												
9	5	5	31-0	1S504A	Str.												
10	10	5	3-0	1S504B	Str.												
11	5	5	31-11	1S504C	Str.												
12	70	5	4-1	1S505	Str.												
13	43	5	4-0	1S506	Str.												
14	5	5	6-0	1S510	17		3-0	3-0									
15	10	5	5-2	1S511	17		2-2	3-0									
16																	
17																	
18					STAIRWAY # 1 STA 11+47 ~ 11+53 RT.												
19																	
20	14	4	2-3	1W401	17		1-0	1-3									
21	6*	4	6-9	1W402	Str.												
22	8	4	3-9	1W403	Str.												
23																	
24	14▲	5	6-6	1W504	Str.												
25	16▲	5	5-7	1W505	Str.												
26																	
27																	
28					TRAFFIC SIGNAL BASE STA. 11+80.75 ~ 11+87.5 RT.												
29																	
30	3	5	9-10	1B501	17		4-6	5-4									
31	5	5	10-0	1B502	Str.												
32	8	5	7-6	1B503	17		2-2	5-4									
33	10	5	2-0	1B505	Str.												
34	10	5	2-9	1B506	Str.												
35	4	5	10-4	1B507	Str.												
36	4*	5	6-6	1B508	Str.												
37	3	5	8-9	1B509	Str.												
38	4	5	4-3	1B510	Str.												
39	3	5	6-3	1B511	Str.												
40	2	5	2-1	1B512	Str.												
41	2	5	2-10	1B513	Str.												
42																	
43	4	5	5-6	1S502	17		2-1	3-5									
44	4	5	3-5	1S503	Str.												
45	10	5	5-0	1S504	Str.												
46	10	5	4-0	1S505	Str.												
47																	
48																	
49					PEDESTRIAN SIGNAL BASE STA. 11+53.5 RT.												
50																	
51	3	5	3-6	1P501	17		1-0	1-6	1-0								
52	9	5	3-6	1P502	Str.												
53	4	5	9-0	1P503	S4	1-0	2-9	1-6	2-9		1-0						
54																	
55																	
56					WALL # 2 STA. 11+96.5 ~ 12+40 RT.												
57																	
58	8ⓐ	5	11-0	2L501A	Str.												
59	8	5	38-0	2L501B	Str.												
60	49	5	8-4	2L502	17		2-1	6-3									
61	49	5	3-5	2L503	Str.												
62	18ⓐ	5	10-6	2L504A	Str.												
63	18	5	28-0	2L504B	Str.												
64	39▲	5	8-10	2L505	Str.												
65	39▲	5	6-0	2L506	Str.												
66	49	5	5-0	2L507	Str.												
67	9	5	6-0	2L510	17		3-0	3-0									
68	18	5	5-2	2L511	17		2-2	3-0									
69																	
70																	
71					PEDESTRIAN SIGNAL BASE STA. 12+20 RT.												
72																	
73	3	5	3-6	2P501	17		1-0	1-6	1-0								
74	9	5	3-6	2P502	Str.												
75	4	5	9-0	2P503	S4	1-0	2-9	1-6	2-9		1-0						
76																	
77																	
78																	
79																	
80																	

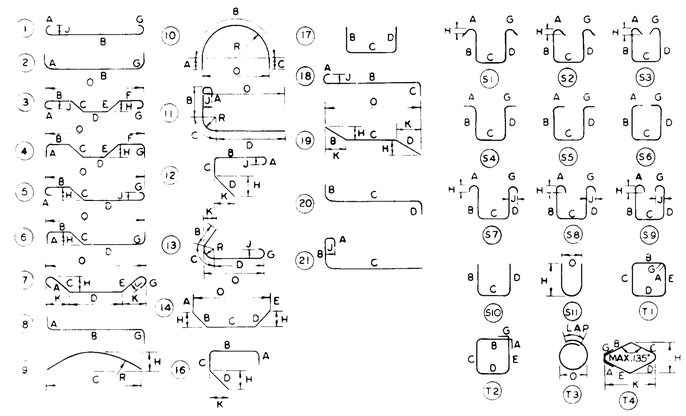
ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
81																	
82																	
83					STAIRWAY # 2 STA. 12+25 ~ 12+40 RT.												
84																	
85	26	4	2-3	2W401	17		1-0	1-3									
86	8	4	12-4	2W402A	Str.												
87	8	4	10-1	2W402B	Str.												
88	13	4	4-0	2W403A	Str.												
89	12*	4	4-[illegible]	2W403B	Str.												
90																	
91	18▲	5	[illegible]	2W504	Str.												
92	10▲	5	8-3	2W505	Str.												
93	5▲	5	5-5	2W506	Str.												
94	8	5	4-4	2W509	19		2-2	2-2					1-11¼		0-11⅝		
95																	
96																	
97					WALL # 2 STA. 12+25 ~ 12+90 RT.												
98																	
99	8	5	18-3	2L501A	Str.												
100	8	5	10-0	2L501B	Str.												
101	8	5	41-0	2L501C	Str.												
102	69	5	8-4	2L502	17		2-1	6-3									
103	69	5	3-5	2L503	Str.												
104	16	5	20-6	2L504A	Str.												
105	16	5	4-0	2L504B	Str.												
106	16	5	16-0	2L504C	Str.												
107	16	5	22-0	2L504D	Str.												
108	66▲	5	8-0	2L505	Str.												
109	66▲	5	5-2	2L506	Str.												
110	69	5	5-0	2L507	Str.												
111	16	5	6-0	2L510	17		3-0	3-0									
112	32	5	5-2	2L511	17		2-2	3-0									
113																	
114																	
115					STAIRWAY # 3 STA. 12+77 ~ 12+90 RT.												
116																	
117	22	4	2-3	3W401	17		1-0	1-3									
118	7	4	10-1	3W402A	Str.												
119	6	4	5-7	3W402B	Str.												
120	11	4	4-0	3W403A	Str.												
121	7	4	4-6	3W403B	Str.												
122																	
123	16▲	5	5-0	3W504	Str.												
124	8▲	5	7-6	3W505	Str.												
125	3▲	5	4-8	3W506	Str.												
126	6	5	4-4	3W509	19		2-2	2-2					1-11¼		0-11⅝		
127																	
128																	
129					WALL # 2 STA. 12+77 ~ 12+95.5 RT.												
130																	
131	8ⓐ	5	15-6	2S501	Str.												
132	15	5	5-6	2S502	17		2-1	3-5									
133	15	5	3-5	2S503	Str.												
134	16ⓐ	5	14-0	2S504	Str.												
135	[illegible]	5	7-6	2S505	Str.												
136	[illegible]	5	4-0	2S506	Str.												
137																	
138	3	5	14-0	2L501	Str.												
139	[illegible]	5	8-4	2L502	17		2-1	6-3									
140	17	5	[illegible]	2L503	Str.												
141	[illegible]	5	15-6	2L504	Str.												
142	17▲	5	7-6	2L505	Str.												
143	17▲	5	4-8	2L506	Str.												
144	14	5	5-0	2L507	Str.												
145	8	5	6-0	2L510	17		3-0	3-0									
146	16	5	5-2	2L511	17		2-2	3-0									
147																	
148																	
149					WALL # 3 STA. 13+04.5 ~ 13+23 RT.												
150																	
151	8ⓐ	5	18-0	3S501	Str.												
152	22	5	5-6	3S502	17		2-1	3-5									
153	22	5	3-5	3S503	Str.												
154	14ⓐ	5	21-0	3S504	Str.												
155	44▲	5	6-0	3S505	Str.												
156	19	5	4-0	3S506	Str.												
157																	
158	8	5	18-0	3L501	Str.												
159	18	5	8-4	3L502	17		2-1	6-3									
160	18	5	3-5	3L503	Str.												

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
161	16	5	10-0	3L504	Str.												
162	18▲	5	7-0	3L505	Str.												
163	18▲	5	4-2	3L506	Str.												
164	19	5	5-0	3L507	Str.												
165	8	5	6-0	3L510	17		3-0	3-0									
166	16	5	5-2	3L511	17		2-2	3-0									
167																	
168																	
169					STAIRWAY # 4 STA. 13+11 ~ 13+[illegible] RT.												
170																	
171	21	4	2-3	4W401	17		1-0	1-3									
172	6	4	9-0	4W402A	Str.												
173	6	4	7-10	4W402B	Str.												
174	10	4	4-0	4W403A	Str.												
175	7	4	4-6	4W403B	Str.												
176																	
177	16▲	5	7-0	4W504	Str.												
178	8▲	5	7-0	4W505	Str.												
179	3▲	5	4-2	4W506	Str.												
180	6	5	4-4	4W509	19		2-2	2-2					1-11¼		0-11⅝		

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

ⓐ BENT BARS - IN FIELD

▲ 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 MONTPELIER	BRIDGE NO.
HIGHWAY NO. BERLIN ST.	LOG STA.
	SURV. STA.

BERLIN ST. RETAINING WALL

REINFORCING STEEL SCHEDULE

DESIGNED BY R.E. PROVOST	DRAWN BY R.M. WALKER
CHECKED BY R.E. PROVOST DATE 7/69	BRIDGE DESIGN SUPERVISOR R.P. GANDRAU DATE 7/69
PROJECT MONTPELIER - BERLIN ST.	PROJECT NO. MEGC-M04007

BRIDGE SHEET NO. 8 OF 10 SHEET 110 OF 335