ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1			**DECK SLAB**														
2	423	16	11110	ES1601	STR												
3	362	16	1860	ES1602	S5	300	410	440	410			300					
4	47	16	1700	ES1603	S5	300	250	725	125			300					
5	47	16	1300	ES1604	S5	300	250	325	125			300					
6	△18	16	2450	ES1605	STR												
7																	
8	184	19	10 410	ES1901	STR												
9	△186	19	4350	ES1902	STR												
10	182	19	5910	ES1903	STR												
11	182	19	8910	ES1904	STR												
12																	
13			**APPROACH SLAB 1**														
14																	
15																	
16	40	16	6930	1EAS1601	STR												
17																	
18	~~53~~ 55	29	6230	1EAS2901	1	385	5845					0		300			
19																	
20			**APPROACH SLAB 2**														
21																	
22																	
23	40	16	6930	2EAS1601	STR												
24																	
25	~~53~~ 55	29	6230	2EAS2901	1	385	5845					0		300			
26																	
27																	
28			**ABUTMENT 1**														
29																	
30	49	16	4355	1A1601	17		1275	3080	0								
31	60	16	8590	1A1602	STR												
32	▲49	16	4350	1A1603	STR												
33	34	16	7310	1A1604	STR												
34	34	16	9720	1A1605	STR												
35	14	16	2291	1A1606	19		550	1741	0				1350		1100		1650
36	14	16	1692	1A1607	19		992	700	0				750		650		1450
37	49	16	2200	1A1608	17		400	1200	600								
38	▲51	16	2843	1A1609	19		1273	1570	0				900		900		2628
39	▲48	16	3225	1A1610	1	0	2250					800		175			
40	11	16	6910	1A1611	STR												
41	11	16	9570	1A1612	STR												
42	4	16	3400	1A1613	STR												
43	51	16	1675	1A1614	17		600	475	600								
44	15	16	4533	1A1615	14	0	600	3333	600	0			386		460		
45	15	16	1200	1A1616	19		600	600	0				460		386		
46	15	16	1690	1A1617	19		600	1090	0				460		386		
47	15	16	1200	1A1618	19		600	600	0				460		386		
48	15	16	1750	1A1619	19		600	1150	0				460		386		
49	30	16	2200	1A1620	STR												
50	30	16	2700	1A1621	STR												
51	6	16	3175	1A1622	17		1500	175	1500								
52	△6	16	1125	1A1623	STR												
53	9	16	3475	1A1624	17		1500	475	1500								
54	49	25	4480	1A2501	17		1605	2875	0								
55	119	25	4080	1A2502	STR												
56	▲51	25	5475	1A2503	2	425	5050					0					
57	△24	25	1024	1EA2504	19		424	600	0				300		300		900
58																	
59			**WINGWALL 1**														
60																	
61	25	16	3730	1W1601	17		1280	2450	0								
62	28	16	7280	1W1602	STR												
63	▲25	16	6470	1W1603	STR												
64	26	16	5000	1W1604	STR												
65	▲16	16	4700	1W1605	STR												
66	2	16	6120	1W1606	19		0	250	5870				2420		5350		5600
67	23	16	1400	1W1607	17		450	500	450								
68																	
69	23	22	3750	1W2201	17		1775	1975	0								
70	23	22	3450	1W2202	17		3075	375	0								
71	25	22	3950	1W2203	STR												
72	▲23	22	6470	1W2204	STR												
73																	
74			**GRADE BEAM**														
75																	
76	28	16	3850	1GB1601	STR	CHANGED TO EPOXY COATED. A.O.B.E.											
77	28	16	3850	1GB1602	T2	75	475	1375	475	1375		75					
78						CHANGED TO EPOXY COATED. A.O.B.E.											
79																	
80																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
81			**WINGWALL 2**														
82																	
83	15	16	3730	2W1601	17		1280	2450	0								
84	28	16	4122	2W1602	STR												
85	▲15	16	6175	2W1603	STR												
86	34	16	2350	2W1604	STR												
87	▲6	16	2050	2W1605	STR												
88	2	16	2836	2W1606	19		0	250	2586				1100		2340		2590
89	13	16	1400	2W1607	17		450	500	450								
90																	
91	13	22	3750	2W2201	17		1775	1975	0								
92	△15	22	3450	2W2202	17		3075	375	0								
93	14	22	3950	2W2203	STR												
94	▲13	22	6100	2W2204	STR												
95																	
96																	
97			**ABUTMENT 2**														
98																	
99	47	16	4355	2A1601	17		1275	3080	0								
100	60	16	8580	2A1602	STR												
101	▲47	16	4590	2A1603	STR												
102	36	16	8050	2A1604	STR												
103	36	16	6540	2A1605	STR												
104	▲14	16	2810	2A1606	19		600	2210	0				386		460		2670
105	▲14	16	2690	2A1607	19		600	2090	0				460		386		2476
106	47	16	2200	2A1608	17		400	1200	600								
107	▲51	16	3003	2A1609	19		1273	1730	0				900		900		2630
108	▲51	16	1930	2A1610	STR												
109	10	16	8890	2A1611	STR												
110	10	16	7190	2A1612	STR												
111	43 ~~44~~	16	2075	2A1613	17		900	275	900								
112	4	16	6750	2A1614	STR												
113	△12	16	1500	2A1615	STR												
114	54	16	1775	2A1616	17		600	575	600								
115	15	16	4533	2A1617	14	0	600	3333	600	0			386		460		
116	15	16	1200	2A1618	19		600	600	0				386		460		
117	15	16	1690	2A1619	19		600	1090	0				460		386		
118	15	16	1200	2A1620	19		600	600	0				460		386		
119	15	16	1750	2A1621	19		600	1150	0				460		386		
120	30	16	2250	2A1622	STR												
121	30	16	2700	2A1623	STR												
122	6	16	1150	2A1624	STR												
123	1	16	1675	2A1625	17		600	475	600								
124	47	25	4480	2A2501	17		1605	2875	0								
125	121	25	4080	2A2502	STR												
126	▲49	25	5715	2A2503	2	425	5290					0					
127	22	25	1024	2EA2504	19		424	600	0				300		300		900
128																	
129			**WINGWALL 3**														
130																	
131	32	16	3730	3W1601	17		1280	2450	0								
132	28	16	9780	3W1602	STR												
133	▲32	16	6770	3W1603	STR												
134	30	16	8050	3W1604	STR												
135	▲14	16	7500	3W1605	STR												
136	2	16	8422	3W1606	19		0	250	8172				2270		7850		8100
137	31	16	1400	3W1607	17		450	500	450								
138																	
139	31	22	3750	3W2201	17		1775	1975	0								
140	31	22	3500	3W2202	17		3075	425	0								
141	33	22	3950	3W2203	STR												
142	▲31	22	6570	3W2204	STR												
143																	
144																	
145			**WINGWALL 4**														
146																	
147	15	16	3730	4W1601	17		1280	2450	0								
148	28	16	4120	4W1602	STR												
149	▲15	16	6450	4W1603	STR												
150	32	16	2550	4W1604	STR												
151	▲10	16	2500	4W1605	STR												
152	2	16	2960	4W1606	19		0	250	2710				1350		2350		2600
153	13	16	1400	4W1607	17		450	500	450								
154																	
155	13	22	3750	4W2201	17		1775	1975	0								
156	13	22	3500	4W2202	17		3075	425	0								
157	14	22	3950	4W2203	STR												
158	▲13	22	6250	4W2204	STR												
159																	
160																	

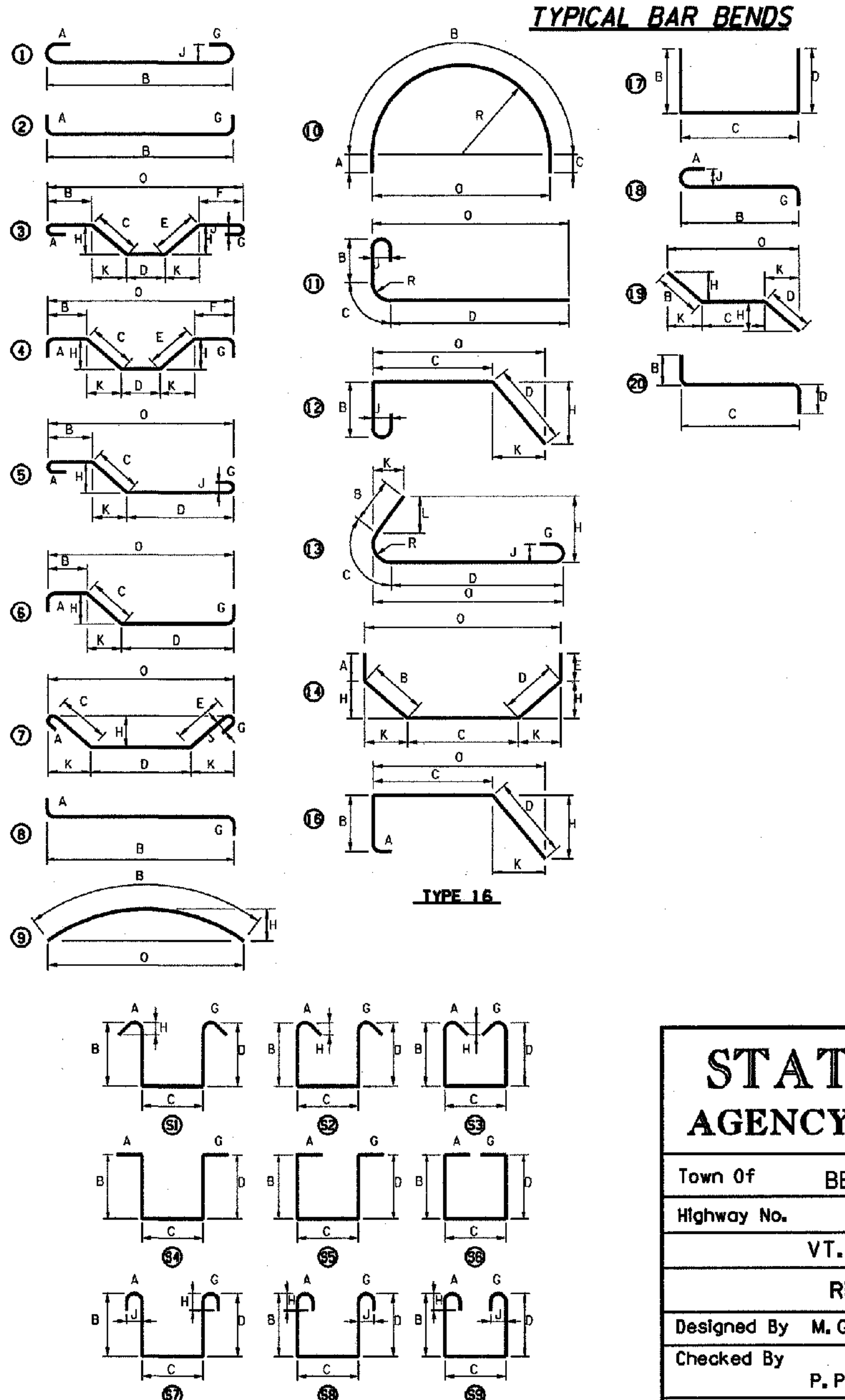
Metric

NOTES:

1. *UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING #57M SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT". AASHTO M31M (ASTM A615-S1). ALL BARS SHALL BE GRADE 420, UNLESS OTHERWISE NOTED.*
2. *FOR TYPICAL BAR BENDING DETAILS, RECOMMENDED PIN DIAMETER "D" OF BENDS, 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.*
x *- DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.*
△ *- DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.*

TYPICAL BAR BENDS



ASTM STANDARD METRIC REINFORCING BARS			
BAR SIZE DESIGNATION	NOMINAL DIMENSIONS		
	MASS (kg/m)	DIAMETER (mm)	AREA (mm²)
#10M	0.560	9.5	71
#13M	0.994	12.7	129
#16M	1.552	15.9	199
#19M	2.235	19.1	284
#22M	3.042	22.2	387
#25M	3.973	25.4	510
#29M	5.060	28.7	645
#32M	6.404	32.3	819
#36M	7.907	35.8	1006
#43M	11.38	43.0	1452
#57M	20.24	57.3	2581

REINFORCING BAR CHANGES. JFW 2/3/06

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of BENNINGTON
Bridge No. BR600
Log Sta.
Highway No. VT. RTE. 9
Surv. Sta. 15+170

VT. RTE. 9 OVER AUSTIN HILL ROAD

REINFORCING STEEL SCHEDULE

Designed By M. GOGUEN
Drawn by B. WEATHERBY
Checked By P. PERKINS Date 11/01
Bridge Design Supervisor M. OLSTAD Date 11/01
PROJECT BENNINGTON-HOOSICK
PROJECT NO. D.P.I. 0146(1)
I.G.C. Info.
Bridge Sheet No. BR624
Sheet 286 OF 473

CLOUGH, HARBOUR & ASSOCIATES LLP
ENGINEERS, SURVEYORS, PLANNERS & LANDSCAPE ARCHITECTS
III WINNERS CIRCLE ALBANY, NEW YORK, 12205

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