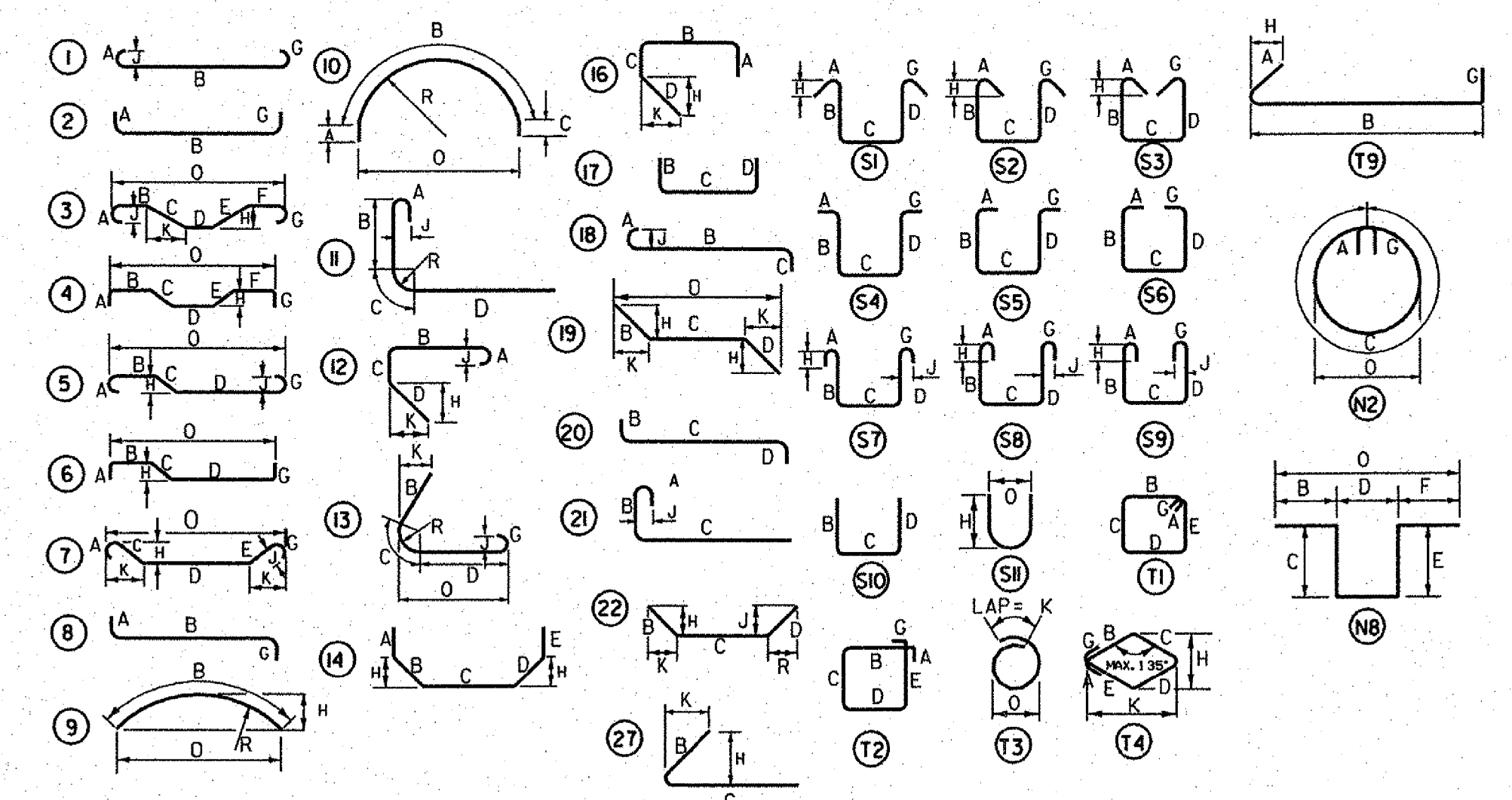


ROARING BRANCH - RAMP A

ITEM	NO. OF PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
APPROACH SLAB 1																	
1	22	16	8084	1EAS1801	STR.												
2	35	29	6280	1EAS2901	1	380	5900							300			
APPROACH SLAB 2																	
7	22	16	8170	2EAS1801	STR.												
8	35	29	6280	2EAS2901	1	380	5900							300			
SUPERSTRUCTURE DECK																	
12	981	16	3440	ESA1801	STR.												
13	1238	16	9140	ESA1802	STR.												
14	103	16	8485	ESA1803	STR.												
16	133	19	12000	ESA1901	STR.												
17	45	19	8830	ESA1902	STR.												
19	1292	13	1255	ESA1301	N8	230	115	520	160	230							
21	1330	16	1625	ESA1804	S5	250	355	415	355		250						
22	24	16	1910	ESA1805	T2	610	300	750	250								
23	24	16	1720	ESA1808	T2	610	300	560	250								
24	969	16	2300	ESA1807	1	180	2120							130			
25	970	16	7890	ESA1808	1	180	7710							130			
26	980	16	6510	ESA1609	STR.												
ABUTMENT 1																	
29	33	16	9400	1AA1801	STR.												
30	32	16	3818	1AA1803	STR.												
31	23	16	9236	1AA1804	STR.												
33	33	16	2837	1EAA1805	STR.												
34	11	16	9236	1EAA1806	STR.												
35	32	16	2177	1EAA1807	STR.												
36	2	16	9236	1EAA1808	STR.												
38	35	22	4440	1AA2201	STR.												
40	34	25	4440	1AA2501	STR.												
41	8	25	6180	1AA2502	STR.												
42	7	25	4700	1AA2503	STR.												
44	64	16	1580	1AA1809	2	250	1330										
45	32	16	2890	1AA1810	17	660	1340	660									
46	11	16	2088	1AA1811	19	1338	750				1324			192			
47	11	16	2088	1AA1812	27	1338	750				1324			192			
49	32	16	1780	1EAA1813	17	610	140	610									
50	32	16	1780	1EAA1814	17	660	440	660									
51	4	16	2490	1EAA1815	17	1010	440	1010									
53	15	25	1200	1EAA2504	3	600	600				424			424			1024
ABUTMENT 2																	
55	33	16	9753	2AA1801	STR.												
56	13	16	9334	2AA1802	STR.												
57	13	16	9334	2AA1803	STR.												
58	32	16	4190	2AA1804	STR.												
59	33	16	3450	2AA1805	STR.												
61	33	16	2885	2EAA1806	STR.												
62	17	16	9414	2EAA1807	STR.												
63	32	16	2325	2EAA1808	STR.												
64	2	16	9334	2EAA1809	STR.												
66	37	22	4340	2AA2201	STR.												
68	38	25	4340	2AA2501	STR.												
69	10	25	6207	2AA2502	STR.												
70	9	25	4686	2AA2503	STR.												
72	65	16	1580	2AA1810	2	250	1330										
73	33	16	3090	2AA1811	17	660	1740	660									
74	12	16	2510	2AA1812	19	1760	750				1724			355			
75	12	16	2510	2AA1813	27	1760	750				1724			355			
77	32	16	2180	2EAA1814	17	960	240	960									
78	32	16	1860	2EAA1815	17	660	540	660									
79	6	16	2480	2EAA1816	17	1010	440	1010									
81	15	25	1200	2EAA2504	3	600	600				424			424			1024
WINGWALL 1																	
83	17	16	6010	1W1801	STR.												
84	17	16	5920	1W1802	STR.												
85	17	16	5350	1W1803	STR.												
86	38	16	5650	1W1804	STR.												
88	5	16	5420	1EW1805	STR.												
90	18	22	4440	1W2201	STR.												



NOTES:

- 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 M 318/ASTM A 615-S10. ALL BARS SHALL BE GRADE 420 UNLESS OTHERWISE DESIGNATED.
- 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'.
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT 'A' AND 'G' ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
- 'J' DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
- 'H' DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
- WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS 'H' AND 'K' MUST BE SHOWN.

LEGEND:

- ▲ DENOTES BARS TO BE CUT IN THE FIELD.
- \* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
- △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
- \*E\* IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.
- \*S\* IN PREFIX DENOTES STAINLESS REINFORCING STEEL
- \*XAMXXXX\* DENOTES VT279 NB ABUTMENT
- \*XAFXXXX\* DENOTES VT279 SB ABUTMENT
- \*XAAXXXXX\* DENOTES RAMP A ABUTMENT
- \*XADXXXX\* DENOTES RAMP D ABUTMENT

ASTM STANDARD REINFORCING BARS			
BAR SIZE DESIGNATION	NOMINAL MASS (kg/m)	NOMINAL DIMENSIONS ROUND SECTION	
		DIAMETER (mm)	CROSS SECTIONAL AREA (mm <sup>2</sup> )
10	0.560	9.5	71
13	0.994	12.7	129
16	1.552	15.9	199
19	2.235	19.1	284
22	3.042	22.2	387
25	3.973	25.4	510
29	5.060	28.7	645
32	6.404	32.3	819
36	7.907	35.8	1006
43	11.380	43.0	1452
57	20.240	57.3	2581

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of BENNINGTON Bridge No. BI5

Highway No. VT RTE 279 Log Sta. Surv. Sta.

VT ROUTE 279 & RAMPS OVER ROARING BRANCH OF WALLEOMSAC RIVER

**REINFORCING STEEL SCHEDULE (SHEET 3 OF 6)**

Designed By M.D. BOWER Drawn By R.G. COCOL

Checked By B.J. CARLSON Date 06/08 Bridge Design Supervisor K.M. WOJTKOWSKI Date 06/08

PROJECT BENNINGTON PROJECT NO. AC NH 019-(151)

TVGA CAD Drawing No. SteelSch.dgn Date 02/02/2009

Bridge Sheet No. BR316 Sheet 303 of 367

