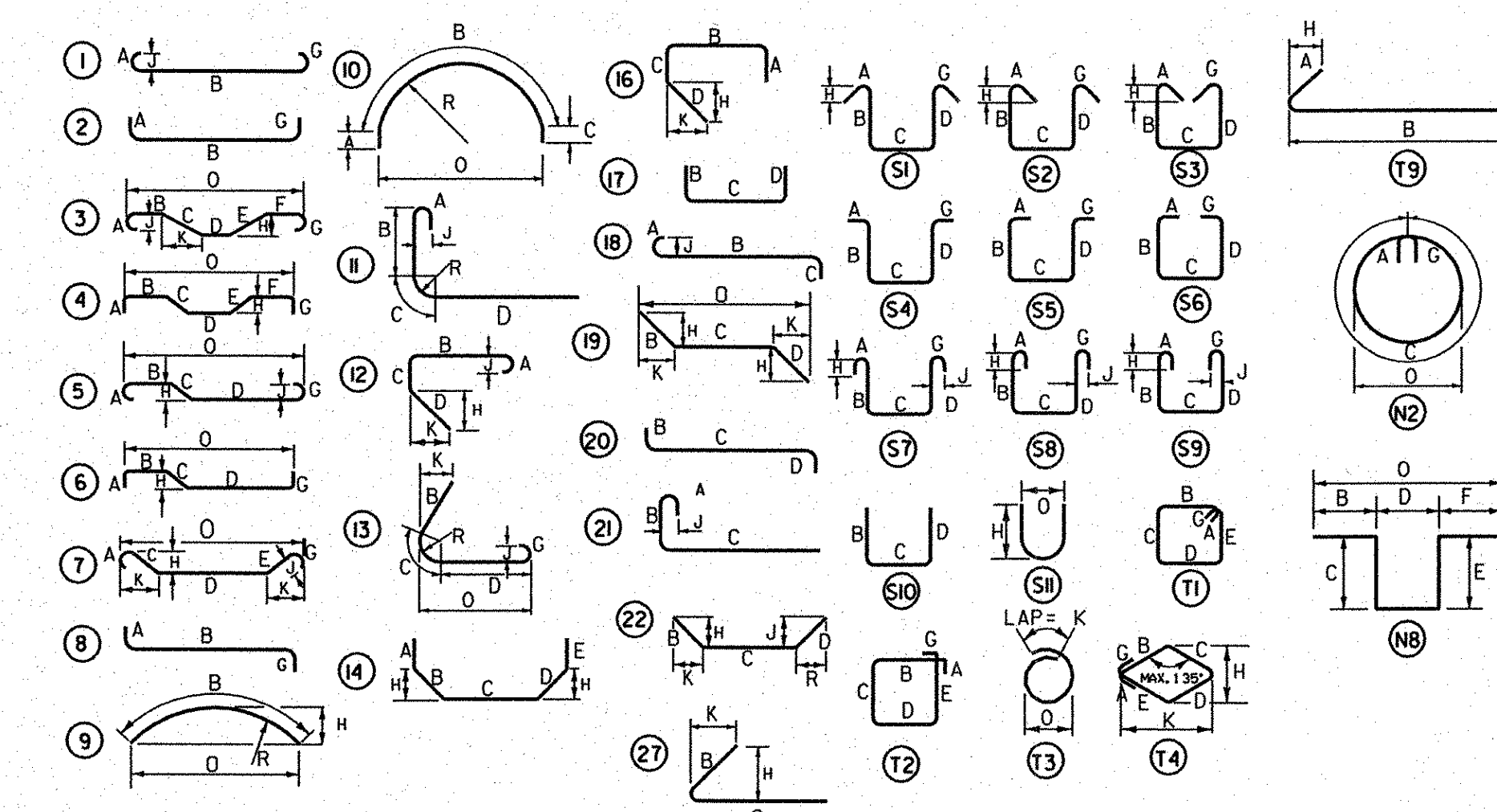




ROARING BRANCH - VT ROUTE 279

ITEM	NO. OF PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT 1																	
* 2	68	16	14700	1AM1601	STR												
* 3	51	16	5150	1AM1602	STR												
* 4	50	16	660	1AM1603	STR												
* 5																	
* 6	53	25	4440	1AM2501	STR												
* 7	7	25	2575	1AM2502	STR												
* 8	21	25	4530	1AM2503	STR												
* 9	7	25	4720	1AM2504	STR												
* 10	51	25	5230	1AM2505	STR												
* 11																	
* 12	54	32	4440	1AM3201	STR												
* 13																	
* 14	50	16	1580	1AM1604	2	250	1330										
* 15	50	16	2960	1AM1605	17	660	1340	660									
* 16	18	16	2089	1AM1606	19	1339	750						1324		201		
* 17	18	16	2089	1AM1607	27	1339	750						1324		201		
* 18																	
* 19	50	25	2480	1AM2506	2	430	2050										
* 20																	
ABUTMENT 2																	
* 22	46	16	16235	2AM1601	STR												
* 23	13	16	14300	2AM1602	STR												
* 24	49	16	3540	2AM1603	STR												
* 25	49	16	660	2AM1604	STR												
* 26	49	16	3460	2AM1605	STR												
* 27																	
* 28	52	22	4340	2AM2201	STR												
* 29																	
* 30	51	25	4340	2AM2501	STR												
* 31	10	25	4155	2AM2502	STR												
* 32	27	25	4570	2AM2503	STR												
* 33	9	25	2615	2AM2504	STR												
* 34																	
* 35	13	16	2519	2AM1606	19	1769	750						1724		397		
* 36	13	16	2519	2AM1607	27	1769	750						1724		397		
* 37	99	16	1580	2AM1608	2	250	1330										
* 38	49	16	3060	2AM1609	17	660	1740	660									
* 39																	
WINGWALL 7																	
* 41	9	16	3295	7W1601	STR												
* 42	12	16	2620	7W1602	STR												
* 43																	
* 44	10	22	4340	7W2201	STR												
* 45																	
* 46	10	25	4340	7W2501	STR												
* 47																	
* 48	9	32	3295	7W3201	STR												
* 49																	
* 50	9	16	1580	7W1603	2	250	1330										
* 51																	
* 52	9	32	3460	7W3202	2	560	2900										
* 53																	
DRILLED SHAFTS - PIER 3																	
* 55	49	36	16300	3D3601	STR												
* 56	46	36	17300	3D3602	STR												
* 57	49	36	6850	3SD3603	STR												
* 58	46	36	7850	3SD3604	STR												
* 59																	
* 60	372	19	7637	3D1901	N2	300		7037									2240
* 61																	
DRILLED SHAFTS - PIER 4																	
* 63	48	36	16300	4D3601	STR												
* 64	47	36	17300	4D3602	STR												
* 65	48	36	6850	4SD3603	STR												
* 66	47	36	7850	4SD3604	STR												
* 67																	
* 68	372	19	7637	4D1901	N2	300		7037									2240
* 69																	
TEST DRILLED SHAFT																	
* 71	25	25	18300	T2501	STR												
* 72																	
* 73	64	19	3804	T1901	N2	300		3204					300				1020
* 74																	
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- 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 31M/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
 - "XAXXXXX" 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 ²)	PERIMETER (mm)
10	0.560	9.5	71	29.84
13	0.994	12.7	129	39.90
16	1.552	15.9	199	49.95
19	2.235	19.1	284	60.00
22	3.042	22.2	387	69.74
25	3.973	25.4	510	79.80
29	5.060	28.7	645	90.16
32	6.404	32.3	819	104.47
36	7.907	35.8	1006	112.47
43	11.380	43.0	1452	135.09
57	20.240	57.3	2581	180.01

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	B15
Highway No.	VT RTE 279	Log Sta.	
		Surv. Sta.	
VT ROUTE 279 & RAMPS OVER ROARING BRANCH OF WALLOOMSAC RIVER			
REINFORCING STEEL SCHEDULE (SHEET 1 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-I(51)
TVGA CAD Drawing No.	SteelSch.dgn	Date	02/02/2009
Bridge Sheet No.	BR314	Sheet	301 of 367

