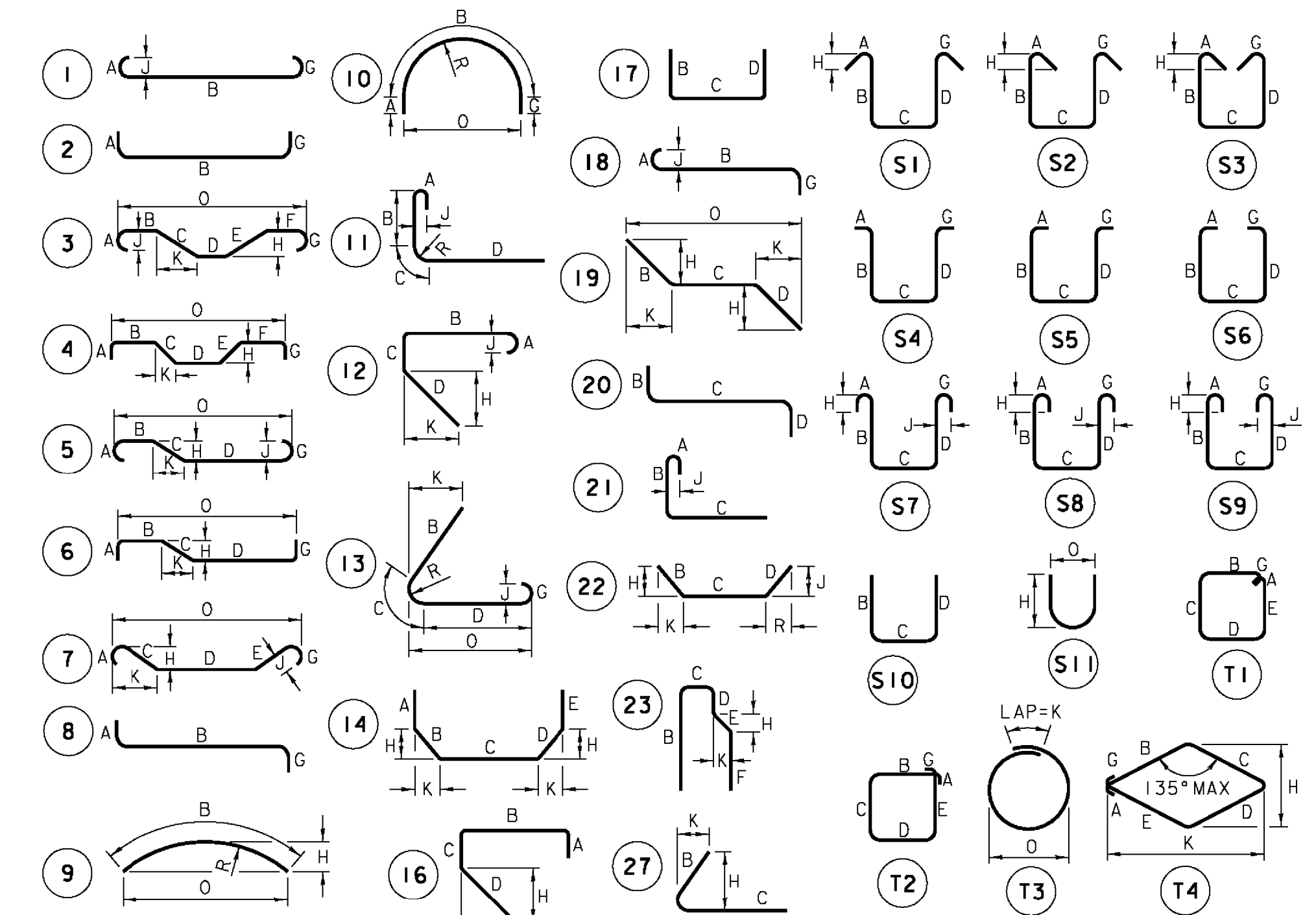




NOTES

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFORM TO THE REQUIREMENT OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-S1). 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 ARE TO BE SHOWN ONLY WHEN NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
- "H" DIMENSION ON STIRRUPS ARE TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
- WHERE SLOPE DIFFERS FROM 45 DEGREES, 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.
- "E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



BAR SIZE DESIGNATION	ASTM STANDARD REINFORCING BARS			
	NOMINAL MASS kg/m	NOMINAL DIAMETER mm	CROSS SECTIONAL AREA mm²	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	101.47
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. _____

Highway No. _____ Log Sta. _____
Surv. Sta. _____

VT ROUTE 279 OVER CHAPEL ROAD

REINFORCING STEEL SCHEDULE

Designed By **T. KNIGHT** Drawn By **J. SOTER**

Checked By **T. KNIGHT** Date **07/06** Bridge Design Supervisor **G. BOGUE** Date **12/05**

PROJECT **BENNINGTON** PROJECT NO. **AC NH 019-K521**

Dgn.: ...\\des\gn\ch\CH-RebarSched.dgn Plot Date: 5/18/2011

Bridge Sheet No. **BR433** Sheet **193** of **267**

ITEM NO.	PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM NO.	PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	
ABUTMENT 1																		WINGWALL 2																		
53	16	3600	1A1601	17			2175	1425										96	22	16	1675	2W1601	17	250	1425											
54	16	1675	1A1602	17			250	1425										97	▲	21	16	8156	2W1602	STR.												
44	16	9760	1A1603	STR.														98	18	16	5975	2W1603	STR.													
16	16	4120	1A1604	STR.														99	2	16	4295	2W1604	STR.													
26	16	3675	1A1605	STR.														100	2	16	5620	2W1605	STR.													
16	16	3380	1A1606	STR.														101	30	16	3375	2W1606	STR.													
53	16	3700	1A1607	STR.														102	22	16	3675	2W1607	STR.													
13	16	3350	1A1608	STR.														103	▲	20	16	6075	2W1608	STR.												
26	16	3050	1A1609	STR.														104	12	16	2700	2W1609	STR.													
15	16	2600	1A1610	STR.														105	▲	16	16	2900	2W1610	STR.												
45	16	5290	1A1611	STR.														106																		
43	16	8400	1A1612	STR.														107	38	16	2650	2EW1611	17	1100	450	1100										
39	16	4500	1A1613	STR.														108	2	16	2200	2EW1612	STR.													
17	16	1400	1A1614	22		700	700						237		658			109	2	16	6100	2EW1613	STR.													
20	16	1400	1A1615	27		700	700						660		230			110																		
58	16	1875	1A1616	17				975	900									111	17	19	4300	2W1901	STR.													
58	16	900	1A1617	STR.														112	▲	19	19	3170	2W1902	STR.												
53	16	1975	1A1618	16	250	575	325	825				580		580				113	▲	37	25	4050	2W2501	STR.												
12	16	4740	1A1619	22		600	3540	600				345	345	490	490			114	▲	37	25	4050	2W2501	STR.												
15	16	3725	1A1620	22		600	2525	600				490	490	345	345			115																		
4	16	8880	1EA1621	STR.														116	17	29	3850	2W2901	17	475	3375											
3	16	3860	1EA1622	17		1830	200	1830										117	▲	19	29	3230	2W2902	17	1375	1855										
53	16	3395	1EA1623	17		1560	275	1560										118																		
4	16	3700	1EA1624	17		1750	200	1750										119																		
ABUTMENT 2																		WINGWALL 3																		
52	16	3500	2A1601	17		2075	1425											120	21	16	1675	3W1601	17	250	1425											
60	16	1675	2A1602	17		250	1425											121	▲	15	16	7740	3W1602	STR.												
44	16	9425	2A1603	STR.														122	18	16	4300	3W1603	STR.													
16	16	2950	2A1604	STR.														123	1	16	4000	3W1604	STR.													
26	16	3270	2A1605	STR.														124	2	16	2950	3W1605	STR.													
14	16	3750	2A1606	STR.														125	22	16	3425	3W1606	STR.													
56	16	3700	2A1607	STR.														126	30	16	3400	3W1607	STR.													
13	16	2190	2A1608	STR.														127	8	16	2700	3W1608	STR.													
26	16	2665	2A1609	STR.														128	17	16	3250	3W1609	STR.													
13	16	2985	2A1610	STR.														129																		
35	16	4620	2A1611	STR.														130	▲	28	16	2275	3EW1610	17	1125	425	1125									
37	16	8400	2A1612	STR.														131	2	16	2400	3EW1611	STR.													
41	16	5020	2A1613	STR.														132	2	16	3400	3EW1612	STR.													
18	16	1400	2A1614	22		700	700					675		184				133																		
15	16	1400	2A1615	27		700	700					674		190				134	▲	20	22	2700	3W2201	STR.												
56	16	1795	2A1616	17				875	920									135	▲	19	25	3800	3W2501	17	1075	2725										
56	16	900	2A1617	STR.														136	▲	19	25	3800	3W2501	17	1075	2725										
57	16	1610	2A1618	16	250	475	325	560				400		400				137																		
14	16	4410	2A1619	22		600	3210	600				364	364	477	477			138																		
11	16	3670	2A1620	22		600	2470	600				478	478	362	362			139	18	16	1675</															