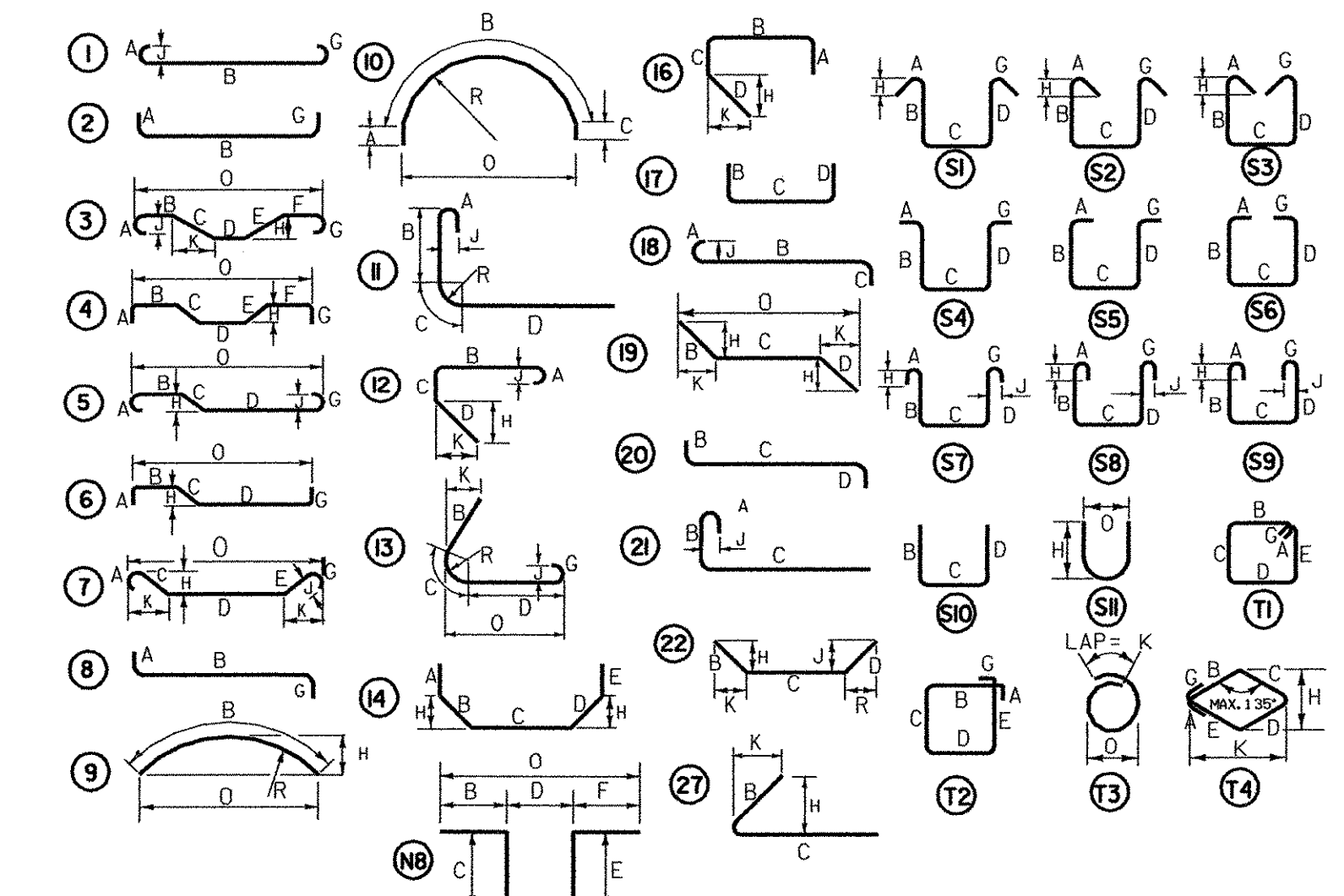




FURNACE BROOK

ITEM	NO. OF PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
APPROACH SLAB 1																	
1																	
2	21	16	5367	1EAS1601	STR.												
3	22	16	11343	1EAS1602	STR.												
4																	
5	67	19	11647	1EAS1901	1	380	5900							300			
6																	
7																	
APPROACH SLAB 2																	
8	22	16	5367	2EAS1601	STR.												
9	21	16	11343	2EAS1602	STR.												
10																	
11	67	19	11647	2EAS1901	1	380	5900							300			
12																	
13																	
SUPERSTRUCTURE DECK																	
14	989	16	6750	ES1601	STR.												
15	989	16	9900	ES1602	STR.												
16	1982	16	12000	ES1603	STR.												
17	165	16	9733	ES1604	STR.												
18																	
19	185	19	12000	ES1901	STR.												
20	46	19	10760	ES1902	STR.												
21																	
22	1938	13	1395	ES1301	N8	230	100	655	180	230							
23																	
24	1325	16	1895	ES1605	S5	250	490	415	490		250						
25	90	16	1914	ES1606	T2	610	362	580	362								
26	978	16	5880	ES1607	1	180	5500							130			
27	979	16	11410	ES1608	1	180	11230							130			
28																	
29																	
ABUTMENT 1																	
30	33	16	7300	1A1601	STR.												
31	32	16	11200	1A1602	STR.												
32	55	16	2916	1A1603	STR.												
33	21	16	5000	1A1604	STR.												
34	21	16	11700	1A1605	STR.												
35																	
36	55	16	1320	1EA1606	STR.												
37	56	16	3105	1EA1607	STR.												
38	36	16	5000	1EA1608	STR.												
39	36	16	11700	1EA1609	STR.												
40																	
41	111	16	3656	1A1610	STR.												
42																	
43	55	16	3105	1EA1611	STR.												
44																	
45	62	22	4270	1A2201	STR.												
46																	
47	122	25	4270	1A2501	STR.												
48	8	25	2340	1A2502	STR.												
49	35	25	3700	1A2503	STR.												
50																	
51	165	16	1580	1A1612	17	250	1330										
52	55	16	2860	1A1613	17	660	1540	660									
53																	
54	51	16	1860	1EA1614	17	660	540	660									
55	55	16	2500	1EA1615	17	1130	240	1130									
56																	
57	26	25	1200	1EA2504	12	600	600					424		424		1024	
58																	
ABUTMENT 2																	
60	39	16	7300	2A1601	STR.												
61	38	16	11800	2A1602	STR.												
62	55	16	4935	2A1603	STR.												
63	35	16	5000	2A1604	STR.												
64	35	16	11700	2A1605	STR.												
65																	
66	55	16	1320	2EA1606	STR.												
67	56	16	3048	2EA1607	STR.												
68	36	16	5000	2EA1608	STR.												
69	36	16	11700	2EA1609	STR.												
70																	
71	124	22	5260	2A2201	STR.												
72	111	22	6065	2A2202	STR.												
73																	
74	96	22	3048	2EA2203	STR.												
75																	
76	125	25	5260	2A2501	STR.												
77	7	25	2340	2A2502	STR.												
78	35	25	3700	2A2503	STR.												
79																	
80	55	16	1580	2A1610	17	250	1330										
81	55	16	2860	2A1611	17	660	1540	660									
82	51	16	1860	2EA1612	17	660	540	660									
83	55	16	2500	2EA1613	17	1130	240	1130									
84																	
85	110	22	2100	2A2204	17	380	1720										
86																	
87	26	25	1200	2EA2504	12	600	600					424		424		1024	
88																	
89																	
90																	



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-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 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.

ASTM STANDARD REINFORCING BARS				
BAR SIZE DESIGNATION	NOMINAL MASS (kg/m)	NOMINAL 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	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. **BI2**

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

VT ROUTE 279 OVER FURNACE BROOK

REINFORCING STEEL SCHEDULE (1 OF 2)

Designed By **M.D. BOWER** Drawn By **D.J. HENDERSON**

Checked By **B.J. CARLSON** Date **04/07** Bridge Design Supervisor **K.M. WOJTKOWSKI** Date **04/07**

PROJECT **BENNINGTON** PROJECT NO. **AC NH F019-I(53)**

TVGA CAD Drawing No.