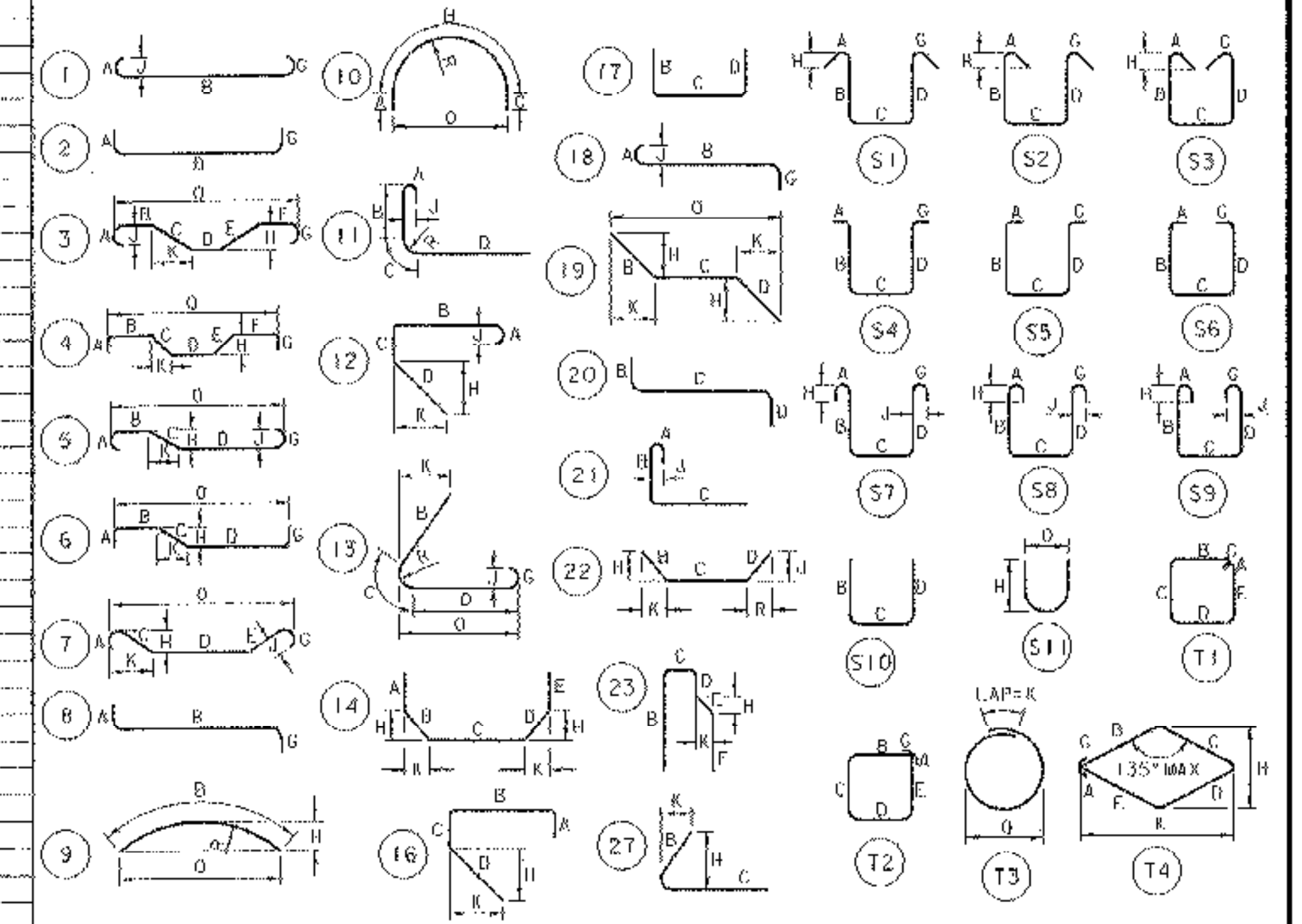




ITEM NO.	PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
<b>DECK</b>																	
▲	10	16	11920	ES1601	STR												
▲	42	19	8100	ES1901	STR												
▲	22	16	3120	ES1602	SG	400	410	1500	410								400
▲	49	29	12180	ES2901	I	375	11805										
<b>ABUTMENT NO. 1</b>																	
▲	9	16	4820	1A1602A	STR												
▲	34	16	3830	1A1602B	STR												
▲	8	16	3080	1A1603A	STR												
▲	27	16	2120	1A1603B	STR												
▲	52	16	5720	1A1604	STR												
▲	24	16	11380	1A1605	STR												
▲	16	16	1460	1A1607	STR												
▲	14	25	1000	1EA2501	STR												
▲	32	32	3140	1A3201	STR												
▲	36	16	1370	1A1601	S10		500	370	500								
▲	37	16	3120	1A1606	I7		1180	1940									
▲	35	22	3315	1A2201	I7		375	2940									
▲	36	22	3440	1A2202	I7		1570	1870									
<b>WINGWALL NO. 1</b>																	
▲	7	16	4670	1W1602	STR												
▲	7	16	2580	1W1603	STR												
▲	32	16	2130	1W1604	STR												
▲	10	16	1180	1W1605	STR												
▲	17	16	2990	1W1606	STR												
▲	14	25	3040	1W2501	STR												
▲	7	16	1370	1W1601	S10		500	370	500								
▲	15	16	1200	1W1607	22		600	600									
▲	13	16	3370	1W1608	22		660	2050	660								
▲	2	16	2270	1W1609	22		710	1560									
▲	7	22	4540	1W2201	I7		1270	3270									
▲	7	25	2650	1W2502	I7		430	2220									
<b>WINGWALL NO. 2</b>																	
▲	14	16	4820	2W1602	STR												
▲	14	16	2730	2W1603	STR												
▲	34	16	4130	2W1604	STR												
▲	17	16	1180	2W1605	STR												
▲	17	16	4990	2W1606	STR												
▲	27	25	3040	2W2501	STR												
▲	14	16	1370	2W1601	S10		500	370	500								
▲	17	16	1200	2W1607	22		600	600									
▲	14	16	3370	2W1608	22		660	2050	660								
▲	14	22	4540	2W2201	I7		1270	3270									
▲	14	25	2650	2W2502	I7		430	2220									
<b>ABUTMENT NO. 2</b>																	
▲	8	16	5020	2A1602A	STR												
▲	34	16	4060	2A1602B	STR												
▲	6	16	3260	2A1603A	STR												
▲	28	16	2300	2A1603B	STR												
▲	52	16	5610	2A1604	STR												
▲	24	16	11200	2A1605	STR												
▲	16	16	1450	2A1607	STR												
▲	14	25	1000	2EA2501	STR												
▲	32	32	3140	2A3201	STR												
▲	34	16	1370	2A1601	S10		500	370	500								
▲	36	16	3120	2A1606	I7		1180	1940									
▲	35	22	3310	2A2201	I7		370	2940									
▲	36	22	3440	2A2202	I7		1570	1870									
<b>WINGWALL NO. 3</b>																	
▲	19	16	4820	3W1602	STR												
▲	19	16	2730	3W1603	STR												
▲	34	16	5600	3W1604	STR												
▲	22	16	1180	3W1605	STR												
▲	17	16	6440	3W1606	STR												
▲	36	25	3040	3W2501	STR												
▲	19	16	1370	3W1601	S10		500	370	500								
▲	17	16	1200	3W1607	22		600	600					490		345		
▲	14	16	3140	3W1608	22		660	1820	660				305	305	585	585	
▲	19	22	4540	3W2201	I7		1270	3270									
▲	18	25	2650	3W2502	I7		430	2220									
<b>WINGWALL NO. 4</b>																	
▲	7	16	5020	4W1602	STR												
▲	7	16	2930	4W1603	STR												
▲	34	16	2130	4W1604	STR												
▲	10	16	1180	4W1605	STR												
▲	17	16	2990	4W1606	STR												
▲	13	25	3040	4W2501	STR												
▲	8	16	1370	4W1601	S10		500	370	500								
▲	17	16	1200	4W1607	22		600	600					520		300		
▲	14	16	3370	4W1608	22		660	2050	660				330	330	570	570	
▲	2	16	2270	4W1609	22		710	1560					350		620		
▲	8	22	4540	4W2201	I7		1270	3270									
▲	8	25	2650	4W2502	I7		430	2220									

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 400, 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.



ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATOR	NOMINAL MASS kg/m	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 **MENDON** Bridge No. **20**

Highway No. **TH 7** Log Sta.

Surv. Sta.

**REINFORCING STEEL SCHEDULE**

**TH 7 OVER THE MENDON BROOK**

Designed By **M.E. MONGEON** Drawn By **R.H. PELLETT**

Checked By **M.E. MONGEON** Date **4/98** Bridge Design Supervisor **C. KEILER** Date **4/98**

PROJECT **MENDON** PROJECT NO. **BRO 1443 (28)**

I.G.C. Info. /str5/93/j022/sj022ab.dgn sJ022abrJ

Bridge Sheet No.  Sheet 26 of 66