

REINFORCING STEEL SCHEDULE

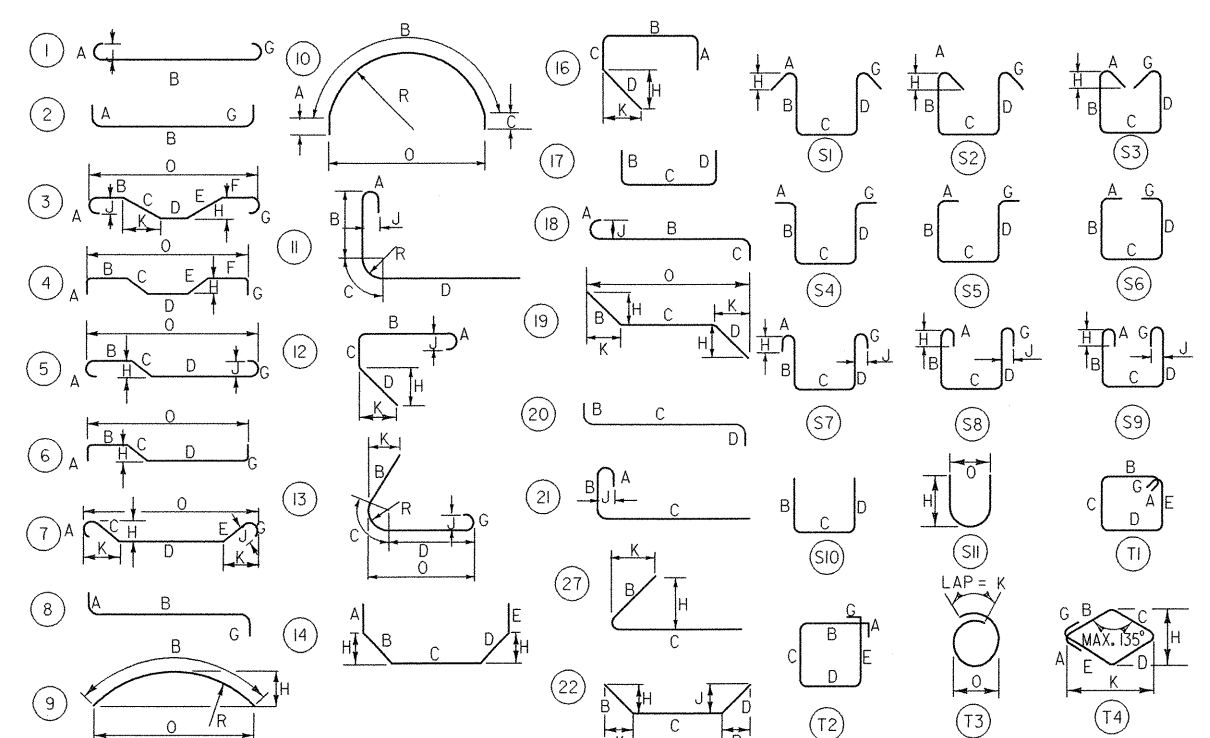
NO.	ITEM	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	NO.	ITEM	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O		
ABUTMENT NO. 1																																					
1	54	5	2'-6"	IASO1	STR																																
2	27	5	4'-3"	IASO1	TY																																
3	27	5	9'-1"	IASO1	TY																																
4	16	5	3'-1"	REASO1	STR																																
5	3	5	4'-1"	REASO1	TY																																
6	3	5	4'-1"	REASO1	TY																																
7	14	5	2'-1"	IASO1	STR																																
8	6	5	4'-3"	REASO1	TY																																
9	20	5	8'-4"	REASO1	TY																																
10	9	5	16'-0"	IASO1	STR																																
11	7	5	17'-9"	IASO1	STR																																
12	3	5	16'-0"	REASO1	STR																																
13	3	5	13'-0"	REASO1	STR																																
14	4	5	2'-10"	REASO1	STR																																
15	4	5	2'-10"	REASO1	STR																																
16	4	5	2'-10"	REASO1	STR																																
17	15	5	16'-3"	REASO1	TY																																
18	5	5	16'-3"	REASO1	STR																																
19	4	7	10'-3"	IASO1	TY																																
20	4	7	10'-3"	IASO1	TY																																
21																																					
22																																					
23																																					
24																																					
ABUTMENT NO. 2																																					
25	63	5	4'-6"	REASO1	STR																																
26	3	5	15'-6"	REASO1	TY																																
27	3	5	15'-6"	REASO1	TY																																
28	28	5	6'-10"	REASO1	TY																																
29	7	5	16'-4"	REASO1	TY																																
30	5	5	20'-2"	REASO1	TY																																
31	13	5	3'-1"	REASO1	STR																																
32	8	5	2'-1"	REASO1	STR																																
33	13	5	16'-3"	REASO1	STR																																
34	9	5	16'-3"	REASO1	STR																																
35	2	5	2'-5"	REASO1	STR																																
36	4	5	1'-8"	REASO1	STR																																
37	3	5	8'-1"	REASO1	TY																																
38	5	5	6'-3"	REASO1	STR																																
39	5	5	4'-1"	REASO1	STR																																

DECK

ESTIMATED QUANTITY OF 19,200 POUND OF EPOXY COATED REINFORCING STEEL TO BE INCLUDED IN DECK; ACTUAL QUANTITY AND SCHEDULE OF BARS TO BE DETERMINED BY CONTRACTOR (REFER TO GENERAL NOTES ON SHEET 01)

NOTES

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 8 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATION FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", ASTM A 618/A 618M. ALL BARS SHALL BE GRADE 60 UNLESS OTHERWISE DESIGNATED.
- FOR TYPICAL BENDING DETAILS, RECOMMENDED P/N 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 "C" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
- "P" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE, STANDARD HOOKS ARE TO BE USED.
- "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.
- ▲ 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	WEIGHT PER FOOT	NOMINAL DIAMETER (INCHES)	CROSS SECTIONAL AREA (SQ. INCHES)
#3	.375	.375	.11
#4	.668	.500	.20
#5	1.043	.625	.31
#6	1.502	.750	.44
#7	2.044	.875	.60
#8	2.610	1.000	.79
#9	3.400	1.125	1.00
#10	4.303	1.270	1.27
#11	5.313	1.410	1.56
#14	7.65	1.693	2.25
#18	13.60	2.257	4.00

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town of **RICHMOND** Bridge No. **31**

Highway No. **TJL #1** Log Sta. **52+0.576**

TOWN HIGHWAY #1 OVER WINOOSKI RIVER

REINFORCING STEEL SCHEDULE

Designed By **T. KNIGHT** Drawn By **R. WALKER**

Checked By **M. CHENETITE** Date **02/08** Bridge Design Supervisor **G. BOGUE** Date **01/09**

PROJECT **RICHMOND** PROJECT NO. **BHF 0209(5)**

CAD Drawn **.../drawing/2008/REBAR.dgn** Plot Date **1/8/2009**

Bridge Sheet No. **40** of **50**

