

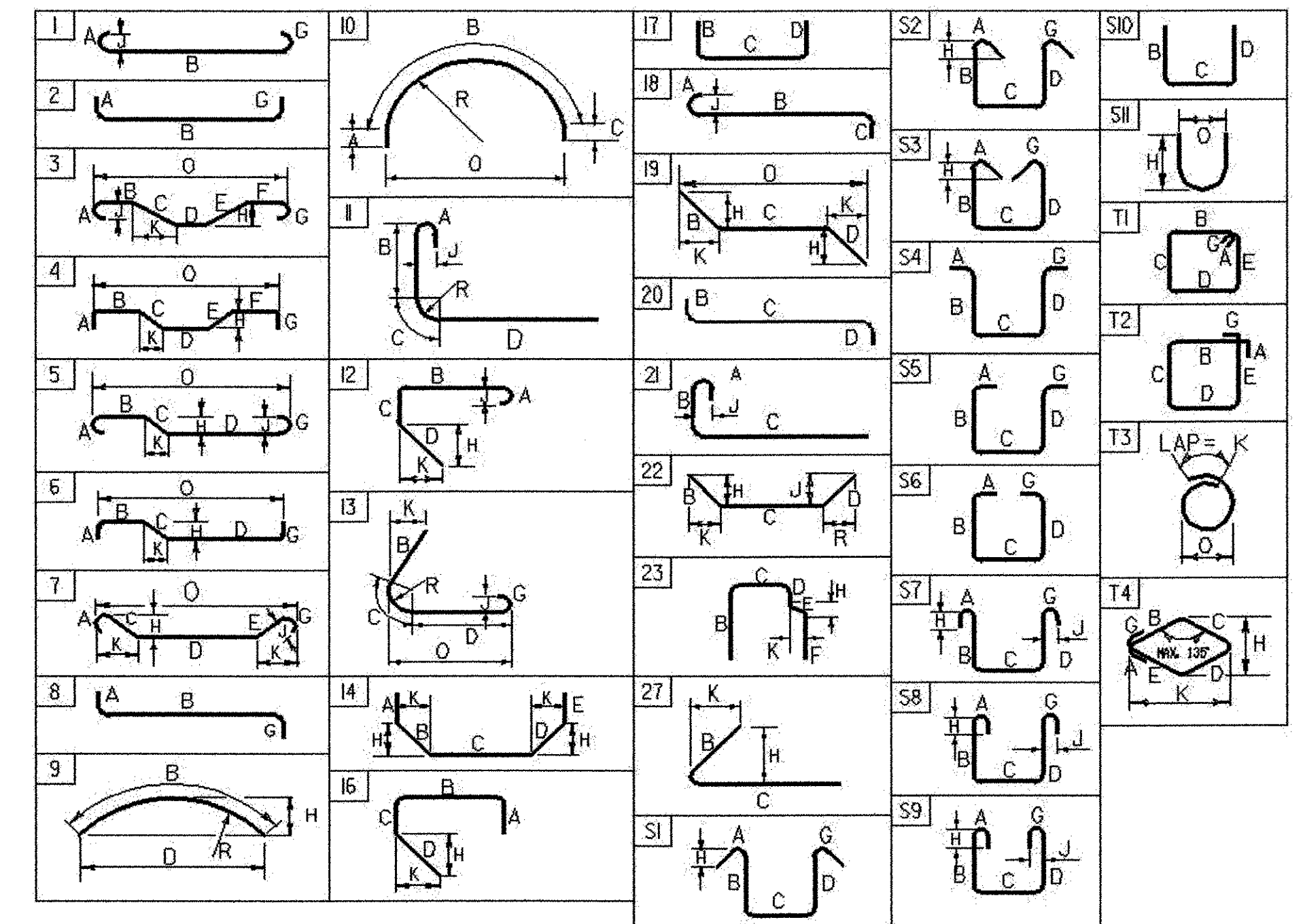
STATE OF VERMONT  
AGENCY OF TRANSPORTATION

# REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
<b>DECK</b>																																			
•	259	5	8'-3"	ES501	STR																														
•	258	5	3'-0"	ES502	8	0'-10"	1'-4"					0'-10"																							
•	192	5	33'-8"	ES503	STR																														
•	28	5	3'-9"	ES504	SS	0'-10"	0'-6"	1'-1"	0'-6"			0'-10"																							
•	172	6	28'-9"	ES601	1	0'-8"	27'-5"					0'-8"	0'-4½"																						
•	172	6	27'-5"	ES602	STR																														
<b>ABUTMENT NO. 1</b>																																			
•	21	5	5'-0"	1A501	STR																														
•	20	5	4'-2"	1A502	STR																														
•	66	5	5'-6"	1A503	STR																														
•	10	5	24'-6"	1A504	STR																														
•	10	5	23'-0"	1A505	STR																														
•	58	5	2'-0"	1EA501	STR																														
•	5	5	28'-6"	1EA502	STR																														
•	29	5	2'-9"	1EA503	17	0'-9"	1'-3"	0'-9"																											
•	3	5	24'-6"	1EA504	STR																														
•	3	5	23'-0"	1EA505	STR																														
•	4	5	9'-1"	1EA506	STR																														
•	3	5	9'-7"	1EA507	STR																														
•	28	5	11'-4"	1EA508	17	5'-3"	0'-10"	5'-3"																											
•	18	5	13'-2"	1EA509	17	6'-2"	0'-10"	6'-2"																											
<b>ABUTMENT NO. 2</b>																																			
•	21	5	5'-0"	2A501	STR																														
•	10	5	3'-8"	2A502	STR																														
•	10	5	4'-2"	2A503	STR																														
•	71	5	5'-6"	2A504	STR																														
•	11	5	26'-0"	2A505	STR																														
•	11	5	22'-0"	2A506	STR																														
•	3	5	10'-0"	2A507	STR																														
•	3	5	8'-0"	2A508	STR																														
•	28	5	9'-2"	2A509	17	4'-2"	0'-10"	4'-2"																											
•	20	5	11'-6"	2A510	17	5'-4"	0'-10"	5'-4"																											

~ NOTES ~

- UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING NO. 18 SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31 (ASTM A 615-S1). ALL BARS SHALL BE GRADE 60, 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 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 DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	AREA INCHES <sup>2</sup>	PERIMETER INCHES
#3	0.376	0.375	0.11	1.178
#4	0.668	0.500	0.20	1.571
#5	1.043	0.625	0.31	1.963
#6	1.502	0.750	0.44	2.356
#7	2.044	0.875	0.60	2.749
#8	2.670	1.000	0.79	3.142
#9	3.400	1.128	1.00	3.544
#10	4.303	1.270	1.27	3.990
#11	5.313	1.410	1.56	4.430
#14	7.65	1.693	2.25	5.32
#18	13.60	2.257	4.00	7.09

PROJECT NAME: **RICHFORD**  
 PROJECT NUMBER: **BHF 0302 (3) S**  
 FILE NAME: **rich-reinf.xls** PLOT DATE: **9/26/2007**  
 PROJECT LEADER: **MJC** DRAWN BY: **AET**  
 DESIGNED BY: **SEB** CHECKED BY: **MJC**  
**REINFORCING SCHEDULE** SHEET **37** OF **41**