STATE OF VERMONT
AGENCY OF TRANSPORTATION

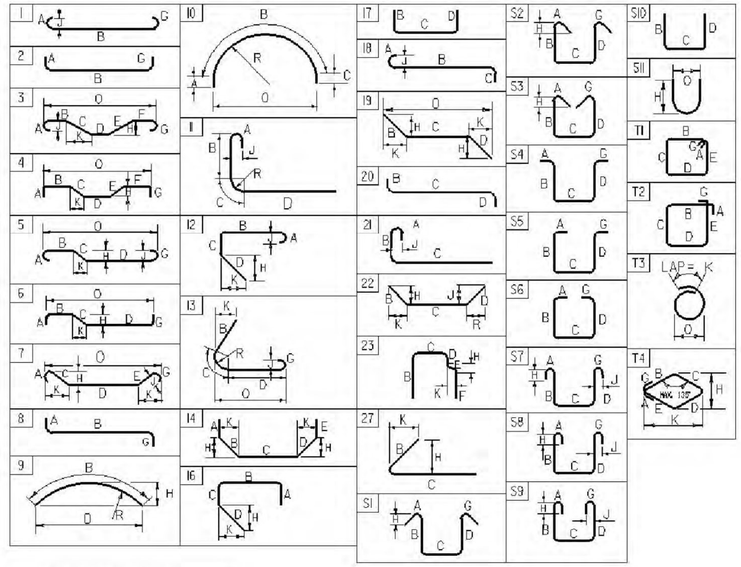
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	ABUTMENTS																
	48	4	3'- 6"	A401	17	---	2'- 0"	1'- 6"	0'- 0"	---	---	---	---	---	---	---	---
	48	4	4'- 9"	A402	T4	0'- 0"	1'- 6"	1'- 9"	1'- 6"	0'- 0"	---	0'- 0"	1'- 11"	---	2'- 8"	---	---
△	50	4	2'- 11"	A403	17	---	1'- 5"	1'- 6"	0'- 0"	---	---	---	---	---	---	---	---
	16	4	4'- 9"	A404	T4	0'- 0"	1'- 6"	1'- 9"	1'- 6"	0'- 0"	---	0'- 0"	1'- 10"	---	2'- 8"	---	---
	20	6	4'- 0"	A601	17	0'- 0"	1'- 6"	2'- 6"	0'- 0"	---	---	---	---	---	---	---	---
	20	6	3'- 7"	A602	17	---	1'- 6"	2'- 1"	0'- 0"	---	---	---	---	---	---	---	---
	8	6	3'- 6"	A603	STR												
	WINGWALLS																
	9	4	4'- 4"	1W401	STR												
	8	4	8'- 0"	1W402	STR												
	23	4	4'- 4"	2W401	STR												
	8	4	21'- 6"	2W402	STR												
	9	4	4'- 4"	3W401	STR												
	8	4	8'- 0"	3W402	STR												
	23	4	4'- 4"	4W401	STR												
	8	4	21'- 6"	4W402	STR												
	PIERS																
	48	4	6'- 10"	P401	T4	0'- 0"	1'- 6"	3'- 10"	1'- 6"	0'- 0"	---	0'- 0"	3'- 1"	---	4'- 4"	---	---
	72	4	3'- 7"	P402	17	---	1'- 6"	2'- 1"	0'- 0"	---	---	---	---	---	---	---	---
	36	4	3'- 6"	P403	17	---	1'- 6"	2'- 0"	0'- 0"	---	---	---	---	---	---	---	---
	36	4	3'- 0"	P404	17	---	1'- 6"	1'- 6"	0'- 0"	---	---	---	---	---	---	---	---
	64	4	4'- 9"	P405	T4	0'- 0"	1'- 6"	1'- 9"	1'- 6"	0'- 0"	---	0'- 0"	1'- 11"	---	2'- 8"	---	---
	24	6	4'- 2"	P601	17	---	1'- 6"	2'- 8"	0'- 0"	---	---	---	---	---	---	---	---
	12	6	4'- 1"	P602	17	---	1'- 6"	2'- 7"	0'- 0"	---	---	---	---	---	---	---	---
	12	6	3'- 8"	P603	17	---	1'- 6"	2'- 2"	0'- 0"	---	---	---	---	---	---	---	---
	8	6	3'- 6"	P604	STR												
	DECK																
	256	4	36'- 2"	ED401	STR												
	256	4	27'- 4"	ED402	STR												
	256	4	22'- 5"	ED403	STR												
	300	5	44'- 1"	ED501	STR												
	196	5	29'- 4"	ED502	STR												
	256	5	9'- 9"	ED503	1	0'- 7"	9'- 2"	---	---	---	---	0'- 0"	---	0'- 5"	---	---	---
✳	~~257~~ 514	6	10'- 4"	ED601	1	0'- 8"	9'- 8"	---	---	---	---	0'- 0"	---	0'- 6"	---	---	---
	APPROACH SLAB																
	62	5	46'- 10"	EAS501	STR												
	62	5	47'- 9"	EAS502	STR												
✳	118	9	20'- 10"	EAS901	1	1'- 3"	19'- 7"	---	---	---	---	0'- 0"	---	1'- 0"	---	---	---
	CONCRTE BARRIERS																
	8	4	9'- 7"	EB401	STR												
	8	4	9'- 4"	EB402	STR												
	24	4	12'- 7"	EB403	STR												
	16	4	4'- 8"	EB404	STR												
	8	4	14'- 3"	EB405	STR												
	460	5	4'- 5"	EB501	SEE 'BR5S F BARRIER DETAILS' SHEET FOR BEND DIMENSIONS												
628	~~596~~	5	5'- 4"	EB502	SEE 'BR5S F BARRIER DETAILS' SHEET FOR BEND DIMENSIONS												
628	~~596~~	5	5'- 1"	EB503	SEE 'BR5S F BARRIER DETAILS' SHEET FOR BEND DIMENSIONS												
	20	5	5'- 6"	EB504	S5	0'- 6"	1'- 11"	0'- 8"	1'- 11"	---	---	0'- 6"	---	---	---	---	---
✳	25	5	5'- 6"	EB505	STR												
	136	5	6'- 0"	EB506	SEE 'BR5S F BARRIER DETAILS' SHEET FOR BEND DIMENSIONS												
	28	7	9'- 7"	EB701	STR												
	28	7	9'- 4"	EB702	STR												
	96	7	12'- 7"	EB703	STR												
	64	7	4'- 8"	EB704	STR												
	32	7	14'- 3"	EB705	STR												
	4	7	6'- 11"	EB706	STR												
✳	4	8	6'- 8"	EB707	STR												
	10	7	2'- 8"	EB708	STR												
	8	7	2'- 10"	EB709	STR												
	8	7	3'- 0"	EB710	STR												
	8	7	3'- 2"	EB711	STR												
	8	7	7'- 1"	EB712	STR												
	8	7	5'- 5"	EB713	22	---	2'- 3"	3'- 2"	0'- 0"	---	---	---	0'- 8"	0'- 0"	2'- 2"	0'- 0"	---
	SUPERSTRUCTURE DIAPHRAGMS																
	158	5	4'- 7"	S501	S3	0'- 6"	0'- 9"	2'- 1"	0'- 9"	---	---	0'- 6"	---	---	---	---	---
	158	5	3'- 1"	S502	1	0'- 6"	2'- 1"	---	---	---	---	0'- 6"	---	---	---	---	---
	193	5	7'- 4"	S503	T2	0'- 6"	0'- 6"	2'- 8"	0'- 6"	2'- 8"	---	0'- 6"	---	---	---	---	---
	18	5	5'- 7"	S504	S10	---	1'- 9"	2'- 1"	1'- 9"	---	---	---	---	---	---	---	---
	193	5	3'- 9"	ES505	20	---	0'- 9"	2'- 3"	0'- 9"	---	---	---	---	---	---	---	---
	12	5	47'- 1"	S506	STR												
	12	5	47'- 8"	S507	STR												

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	40	5	3'- 7"	S508	STR												
	30	5	4'- 8"	S509	STR												
	20	5	2'- 6"	S510	STR												
	6	5	3'- 7"	S511	STR												
	8	5	46'- 4"	S512	STR												
	32	5	2'- 2"	S513	STR												
	64	5	3'- 7"	S514	STR												
	48	5	4'- 8"	S515	STR												
	448	5	2'- 8"	S516	2	0'- 6"	1'- 8"	---	---	---	---	0'- 6"	---	---	---	---	---
	12	5	3'- 7"	S517	STR												
	98	6	3'- 2"	ES601	2	1'- 0"	2'- 2"	---	---	---	---	0'- 0"	---	---	---	---	---
	144	6	8'- 0"	ES602	S4	1'- 0"	2'- 2"	1'- 8"	2'- 2"	---	---	1'- 0"	---	---	---	---	---
	16	6	10'- 0"	ES603	S4	1'- 0"	3'- 2"	1'- 8"	3'- 2"	---	---	1'- 0"	---	---	---	---	---

~ NOTES ~

1. 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-SI). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
2. 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".
3. BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
4. ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
5. "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
6. "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
7. WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
8. ▲ DENOTES BARS TO BE CUT IN FIELD.
9. ✳ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. E IN BAR MARK PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS

BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	AREA INCHES²	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

AS BUILT
RECORD PLANS

PROJECT NAME: **BRATTLEBORO**
PROJECT NUMBER: **AC IM 091-I(50)**

FILE NAME: **ZB-100-BR5-502.xls** PLOT DATE: **1/23/2012**
PROJECT MANAGER: **Phillip Kendall** DRAWN BY: **Scott Morgan**
DESIGNED BY: **Josh Olund** CHECKED BY: **Daniel Myers**
REINFORCING STEEL SCHEDULE SHEET #1 SHEET **1** OF **1**