STATE OF VERMONT
AGENCY OF TRANSPORTATION

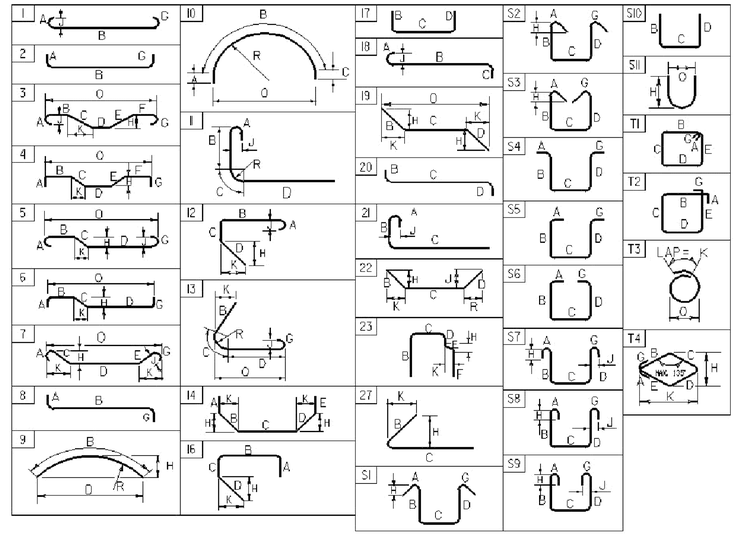
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
DECK & CURB																	
	246	5	30'- 0"	ES501	STR	30'- 0"											
	170	5	32'- 6"	ES502	STR	32'- 6"											
✳	170	5	5'- 0"	ES503	STR	5'- 0"											
	30	5	30'- 0"	ES504	STR	30'- 0"											
	30	5	32'- 6"	ES507	STR	32'- 6"											
	242	5	5'- 5"	ES505	S5	1'- 0"	1'- 0"	1'- 5"	1'- 0"			1'- 0"					
	68	5	4'- 3"	ES508	16	1'- 0"	1'- 3"	0'- 7"	1'- 5"				1'- 0"		1'- 0"		
	68	5	8'- 2"	ES509	S6	0'- 6"	3'- 4"	0'- 6"	3'- 4"			0'- 6"					
✳	86	6	32'- 6"	ES601	STR	32'- 6"											
△	37	8	3'- 4"	ES801	19		1'- 4"	2'- 0"									
ABUTMENT # 1																	
	76	5	23'- 1"	1A501	STR	23'- 1"											
▲	76	5	22'- 8"	1A503	STR	22'- 8"											
	41	5	21'- 7"	1A505	STR	21'- 7"											
✳	40	5	12'- 3"	1A506	STR	12'- 3"											
▲	20	5	3'- 6"	1A507	STR	3'- 6"											
	41	5	5'- 11"	1A502	17		2'- 2"	1'- 7"	2'- 2"								
	41	6	15'- 11"	1A601	17		4'- 5"	11'- 6"									
✳	40	7	10'- 9"	1A701	STR	10'- 9"											
	90	9	17'- 6"	1A902	STR	17'- 6"											
	39	9	17'- 8"	1A901	17		10'- 1"	7'- 7"									
WINGWALL # 1																	
	38	5	16'- 10"	1W501	STR	16'- 10"											
▲	46	5	14'- 4"	1W503	STR	14'- 4"											
▲	2	5	15'- 0"	1W504	STR	15'- 0"											
▲	16	5	22'- 0"	1W505	STR	22'- 0"											
	15	5	12'- 6"	1W506	STR	12'- 6"											
	16	5	5'- 11"	1W502	17		2'- 2"	1'- 7"	2'- 2"								
	66	5	9'- 4"	1W508	19		4'- 8"	4'- 8"									
	15	7	13'- 0"	1W701	STR	13'- 0"											
	16	7	13'- 0"	1W702	17		11'- 6"	5'- 9"									
	15	7	6'- 9"	1W703	17		1'- 0"	5'- 9"									
	17	8	19'- 3"	1W801	17		11'- 9"	7'- 6"									
	35	9	17'- 6"	1W901	STR	17'- 6"											
WINGWALL # 2																	
	38	5	16'- 9"	2W501	STR	16'- 9"											
▲	42	5	14'- 4"	2W503	STR	14'- 4"											
▲	2	5	14'- 6"	2W504	STR	14'- 6"											
▲	16	5	19'- 9"	2W505	STR	19'- 9"											
	15	5	10'- 6"	2W506	STR	10'- 6"											
	16	5	5'- 11"	2W502	17		2'- 2"	1'- 7"	2'- 2"								
	69	5	9'- 4"	2W508	19		4'- 8"	4'- 8"									
	15	7	13'- 0"	2W701	STR	13'- 0"											
	16	7	17'- 3"	2W702	17		5'- 9"	11'- 6"									
	15	7	6'- 9"	2W703	17		1'- 0"	5'- 9"									
	17	8	19'- 3"	2W801	17		11'- 9"	7'- 6"									
✳	35	9	17'- 6"	2W901	STR	17'- 6"											
APPROACH SLAB # 1																	
	17	5	29'- 6"	1EAS501	STR	29'- 6"											
	62	6	16'- 2"	1EAS601	1		14'- 6"					1'- 8"		0'- 9"			

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT # 2																	
	76	5	23'- 2"	2A501	STR	23'- 2"											
▲	72	5	21'- 5"	2A503	STR	21'- 5"											
▲	41	5	21'- 0"	2A505	STR	21'- 0"											
	39	5	12'- 1"	2A506	STR	12'- 1"											
▲	20	5	3'- 6"	2A507	STR	3'- 6"											
	43	5	5'- 11"	2A502	17		2'- 2"	1'- 7"	2'- 2"								
✳	42	6	15'- 11"	2A601	17		4'- 5"	11'- 6"									
	39	7	10'- 9"	2A701	STR	10'- 9"											
	90	9	17'- 6"	2A902	STR	17'- 6"											
	39	9	17'- 8"	2A901	17		10'- 1"	7'- 7"									
WINGWALL # 3																	
	38	5	15'- 9"	3W501	STR	15'- 9"											
▲	44	5	13'- 4"	3W503	STR	13'- 4"											
▲	2	5	13'- 11"	3W504	STR	13'- 11"											
▲	15	5	21'- 4"	3W505	STR	21'- 4"											
	14	5	12'- 1"	3W506	STR	12'- 1"											
	15	5	5'- 11"	3W502	17		2'- 2"	1'- 7"	2'- 2"								
	69	5	9'- 4"	3W508	19		4'- 8"	4'- 8"					3'- 4"		3'- 4"		
	14	7	13'- 0"	3W701	STR	13'- 0"											
	14	7	0'- 0"	3W702	17		11'- 6"	5'- 9"									
	14	7	6'- 9"	3W703	17		5'- 9"	1'- 0"									
	16	8	19'- 3"	3W801	17		11'- 9"	7'- 6"									
	34	9	17'- 6"	3W901	STR	17'- 6"											
WINGWALL # 4																	
	38	5	12'- 10"	4W501	STR	12'- 10"											
▲	42	5	10'- 4"	4W503	STR	10'- 4"											
▲	2	5	10'- 9"	4W504	STR	10'- 9"											
▲	12	5	19'- 4"	4W505	STR	19'- 4"											
	11	5	10'- 1"	4W506	STR	10'- 1"											
	12	5	5'- 11"	4W502	17		2'- 2"	1'- 7"	2'- 2"								
	66	5	9'- 4"	4W508	19		4'- 8"	4'- 8"					3'- 4"		3'- 4"		
	11	7	13'- 0"	4W701	STR	13'- 0"											
	14	7	0'- 0"	4W702	17		11'- 6"	5'- 9"									
	11	7	6'- 9"	4W703	17		5'- 9"	1'- 0"									
✳	14	8	19'- 3"	4W801	17		11'- 9"	7'- 6"									
	27	9	17'- 6"	4W901	STR	17'- 6"											
APPROACH SLAB # 2																	
	17	5	29'- 6"	2EAS501	STR	29'- 6"											
✳	62	6	16'- 1"	2EAS601	1		14'- 6"				1'- 7"		0'- 9"				

~ 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 INCHES ^{2}	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: CANAAN
PROJECT NUMBER: ER ST 0271(16)

FILE NAME: 04c098
PROJECT MANAGER: M.EVANS-MONGEON
DESIGNED BY: S.SCRIBNER
REINFORCING STEEL SCHEDULE SHEET #1

PLOT DATE: 4/22/2008
DRAWN BY: L.DUQUETTE
CHECKED BY: M.EVANS-MONGE