STATE OF VERMONT
AGENCY OF TRANSPORTATION

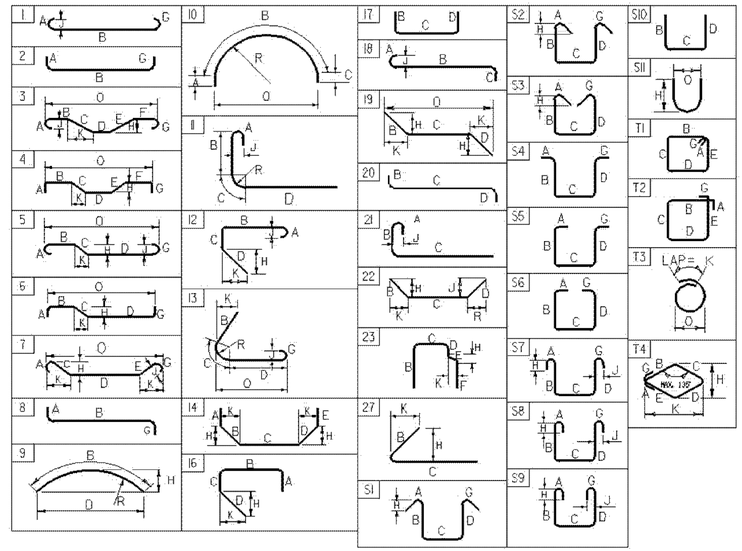
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	ABUTMENT #1																
✳	170	5	8'- 6"	1A501	STR												
	36	5	22'- 1"	1A502	STR												
	128	5	5'- 6"	1A503	17		0'- 8"	4'- 10"	---								
	16	5	22'- 2"	1A504	STR												
	64	5	8'- 4"	1A505	17		3'- 2"	2'- 0"	3'- 2"								
	46	5	3'- 6"	1A506	STR												
	8	5	11'- 10"	1A507	STR												
✳	8	5	9'- 0"	1A508	STR												
	4	5	12'- 4"	1A509	22		2'- 2"	10'- 2"	---				1'- 6"	---	1'- 6"	---	
	4	5	9'- 3"	1A510	22		---	7'- 1"	2'- 2"				---	1'- 9"	---	1'- 3"	
	4	5	13'- 2"	1A511	22		2'- 2"	11'- 0"	---				1'- 6"	---	1'- 6"	---	
	4	5	10'- 3"	1A512	22		---	8'- 1"	2'- 2"				---	1'- 9"	---	1'- 3"	
	ABUTMENT #2																
✳	172	5	8'- 6"	2A501	STR												
	36	5	22'- 5"	2A502	STR												
	128	5	5'- 6"	2A503	17		0'- 8"	4'- 10"	---								
	16	5	22'- 4"	2A504	STR												
	64	5	8'- 4"	2A505	17		3'- 2"	2'- 0"	3'- 2"								
	46	5	3'- 6"	2A506	STR												
	8	5	11'- 10"	2A507	STR												
✳	8	5	9'- 4"	2A508	STR												
	4	5	12'- 4"	2A509	22		---	10'- 2"	2'- 2"				---	1'- 6"	---	1'- 6"	
	4	5	9'- 2"	2A510	22		2'- 2"	7'- 0"	---				2'- 0"	---	0'- 9"	---	
	4	5	13'- 2"	2A511	22		---	11'- 0"	2'- 2"				---	1'- 6"	---	1'- 6"	
	4	5	10'- 6"	2A512	22		2'- 2"	8'- 4"	---				2'- 0"	---	0'- 9"	---	

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O

~ 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: WARREN
PROJECT NUMBER: ER-STP 013-4(36)

FILE NAME:
PROJECT MANAGER: JWT
DESIGNED BY: RHB
REINFORCING STEEL SCHEDULE

PLOT DATE: 11/4/2011
DRAWN BY: BMB
CHECKED BY: EPD
SHEET 13 OF 19