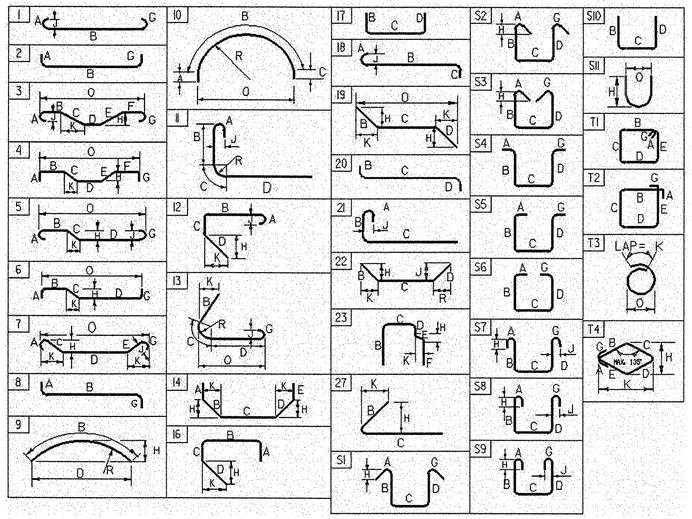
STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	SUPERSTRUCTURE																
▲	139	5	13'- 8"	ES501	STR												
▲	141	5	13'- 6"	ES502	STR												
	92	5	33'- 0"	ES503	STR												
	60	5	33'- 4"	ES504	STR												
△ ▲	18	5	16'- 2"	ES506	STR												
▲	28	5	2'- 2"	ES507	STR												
	130	5	5'- 5"	ES505	S5	0'- 10"	1'- 4"	1'- 1"	1'- 4"			0'- 10"					
	30	5	7'- 10"	ES508	S5	0'- 10"	2'- 11"	0'- 7"	2'- 8"			0'- 10"					
	6	5	6'- 2"	ES509	S5	0'- 10"	2'- 1"	0'- 7"	1'- 10"			0'- 10"					
▲	139	5	14'- 3"	ES510	1	0'- 7"	13'- 8"					0'- 0"		0'- 5"			
▲	141	5	14'- 1"	ES511	1	0'- 7"	13'- 6"					0'- 0"		0'- 5"			
△	132	6	5'- 5"	ES601	S10		2'- 3"	0'- 11"	2'- 3"								
	ABUTMENT NO. 1																
△	8	4	3'- 5"	1EA401	16	0'- 0"	0'- 0"	1'- 5"	2'- 0"				0'- 7"		1'- 11"		
▲	18	5	6'- 0"	1A501	STR												
▲	14	5	7'- 11"	1A502	STR												
	5	5	4'- 11"	1A505	STR												
	6	5	4'- 8"	1A506	STR												
△	5	5	17'- 6"	1EA507	STR												
	2	5	5'- 2"	1A508	STR												
	6	5	5'- 11"	1A509	STR												
	6	5	7'- 11"	1A510	STR												
	4	5	5'- 11"	1A511	STR												
	12	5	7'- 2"	1A513	STR												
▲	12	5	3'- 6"	1A514	STR												
	28	5	7'- 0"	1A516	STR												
	3	5	19'- 6"	1EA523	STR												
△	8	5	3'- 11"	1A524	STR												
▲	6	5	3'- 9"	1A526	STR												
	6	5	5'- 1"	1A503	2	0'- 10"	4'- 3"					0'- 0"					
	5	5	5'- 2"	1A504	27		0'- 10"	4'- 4"					0'- 10"		0'- 3"		
	5	5	5'- 1"	1A512	2	0'- 10"	4'- 3"					0'- 0"					
	20	5	3'- 8"	1A515	16	0'- 0"	0'- 0"	2'- 2"	1'- 6"				0'- 3"		1'- 6"		
	7	5	3'- 3"	1A517	16	0'- 0"	0'- 0"	1'- 8"	1'- 8"				0'- 9"		1'- 6"		
	4	5	4'- 11"	1A518	16	0'- 0"	0'- 0"	2'- 10"	2'- 1"				0'- 11"		1'- 11"		
	2	5	7'- 1"	1A519	16	0'- 0"	0'- 0"	2'- 3"	4'- 10"				4'- 9"		0'- 11"		
	12	5	5'- 5"	1A520	16	0'- 0"	0'- 0"	2'- 10"	2'- 7"				1'- 1"		2'- 4"		
	6	5	4'- 4"	1A521	16	0'- 0"	0'- 0"	2'- 2"	2'- 2"				0'- 11"		2'- 0"		
	48	5	2'- 8"	1A522	17		1'- 5"	1'- 3"	0'- 0"								
	2	5	3'- 10"	1A525	16	0'- 0"	0'- 0"	1'- 1"	2'- 9"				0'- 5"		2'- 9"		
	ABUTMENT NO. 2																
△	8	4	3'- 5"	2EA401	16	0'- 0"	0'- 0"	1'- 5"	2'- 0"				0'- 7"		1'- 11"		
	12	5	5'- 6"	2A501	STR												
	14	5	4'- 6"	2A502	STR												
	6	5	4'- 11"	2A505	STR												
	6	5	5'- 2"	2A506	STR												
▲	6	5	10'- 4"	2A507	STR												
▲	6	5	8'- 1"	2A508	STR												
	2	5	4'- 6"	2A509	STR												
△	5	5	19'- 11"	2EA510	STR												
▲	3	5	6'- 3"	2A511	STR												
	6	5	3'- 7"	2A513	STR												
	7	5	7'- 0"	2A514	STR												
▲	7	5	3'- 5"	2A515	STR												
	3	5	20'- 7"	2EA518	STR												
▲	6	5	3'- 9"	2A520	STR												
△	8	5	3'- 9"	2A521	STR												
	2	5	2'- 6"	2A522	STR												
	6	5	5'- 2"	2A503	27		0'- 10"	4'- 4"					0'- 10"		0'- 3"		
	6	5	5'- 1"	2A504	2	0'- 10"	4'- 3"					0'- 0"					
	2	5	3'- 11"	2A512	16	0'- 0"	0'- 0"	1'- 2"	2'- 9"				2'- 5"		1'- 4"		
	20	5	3'- 8"	2A516	16	0'- 0"	0'- 0"	2'- 2"	1'- 6"				1'- 6"		0'- 3"		
	48	5	2'- 8"	2A517	17		1'- 5"	1'- 3"	0'- 0"								
	2	5	3'- 11"	2A519	16	0'- 0"	0'- 0"	1'- 3"	2'- 8"				2'- 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: **WARREN**
PROJECT NUMBER: **BHF 0188(7)**

FILE NAME: **zj276rsh.xls**
PROJECT MANAGER: **WARREN B. TRIPP**
DESIGNED BY: **S. DELIA**
REINFORCING STEEL SCHEDULE

PLOT DATE: **2/15/2007**
DRAWN BY: **S. DELIA**
CHECKED BY: **R. JOY**
SHEET **32** OF **36**