STATE OF VERMONT
AGENCY OF TRANSPORTATION

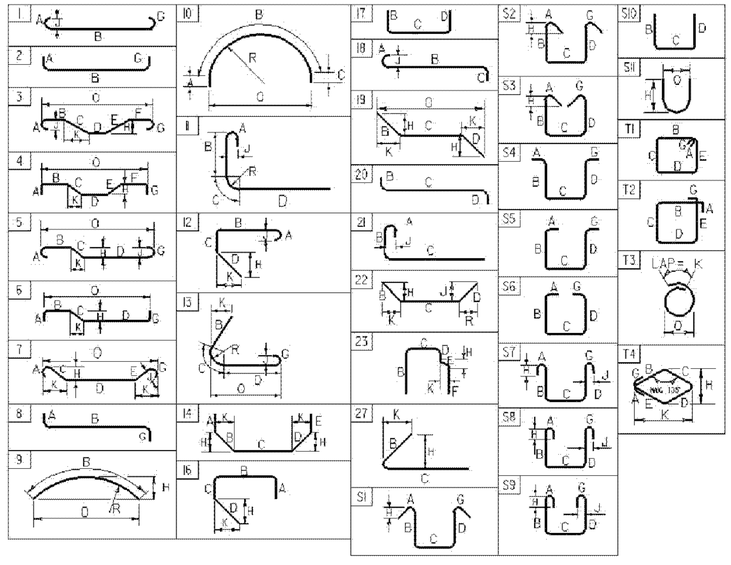
REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	ABUTMENT #1																
	13	4	9'- 6"	1ES401	S5	2'- 2"	2'- 3"	0'- 5"	2'- 6"			2'- 2"					
△	10	4	11'- 10"	1ES402	S5	2'- 2"	0'- 11"	5'- 9"	0'- 10"			2'- 2"					
	6	5	3'- 9"	1ES501	STR												
✳	17	5	6'- 10"	1ES502	STR												
	44	5	7'- 11"	1ES503	S10		2'- 2"	3'- 7"	2'- 2"								
✳	29	5	9'- 7"	1ES504	22		7'- 7"	2'- 0"	---								
	13	5	11'- 5"	1ES505	S10		3'- 11"	3'- 7"	3'- 11"								
▲	4	5	9'- 2"	1ES506	STR												
	13	5	3'- 6"	1ES507	STR												
✳	53	6	22'- 10"	1ES601	STR												
▲	28	6	29'- 1"	1ES602	STR												
✳	15	6	11'- 9"	1ES603	STR												
△	30	7	12'- 0"	1ES701	17		5'- 4"	6'- 8"	---								
	ABUTMENT #2																
✳	13	4	9'- 6"	2ES401	S5	2'- 2"	2'- 3"	0'- 5"	2'- 6"			2'- 2"					
✳	12	4	11'- 10"	2ES402	S5	2'- 2"	1'- 0"	5'- 9"	0'- 9"			2'- 2"					
✳	29	5	7'- 9"	2ES501	STR												
	49	5	7'- 11"	2ES503	S10		2'- 2"	3'- 7"	2'- 2"								
	28	5	9'- 7"	2ES504	22		7'- 7"	2'- 0"	---								
✳	15	5	11'- 7"	2ES505	S10		4'- 0"	3'- 7"	4'- 0"								
▲	4	5	9'- 7"	2ES506	STR												
	14	5	3'- 6"	2ES507	STR												
	52	6	25'- 2"	2ES601	STR												
✳ ▲	29	6	32'- 2"	2ES602	STR												
✳	29	6	8'- 1"	2ES603	STR												
△	30	7	12'- 0"	2ES701	17		5'- 4"	6'- 8"	---								
	SIDEWALK																
△	191	4	9'- 2"	ESW401	S5	2'- 2"	2'- 0"	0'- 5"	2'- 5"			2'- 2"					
△	30	5	32'- 10"	ESW501	STR												

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: CHESTER
PROJECT NUMBER: BRF 025-1(37)

FILE NAME: \95b168\s95b168excel.dgn
PROJECT MANAGER: C.P.WILLIAMS
DESIGNED BY: R.S.YOUNG
BRIDGE 9 REINFORCING STEEL SCHEDULE

PLOT DATE: 8/31/2010
DRAWN BY: D.D.BEARD
CHECKED BY: R.S.YOUNG
SHEET 103 OF 124