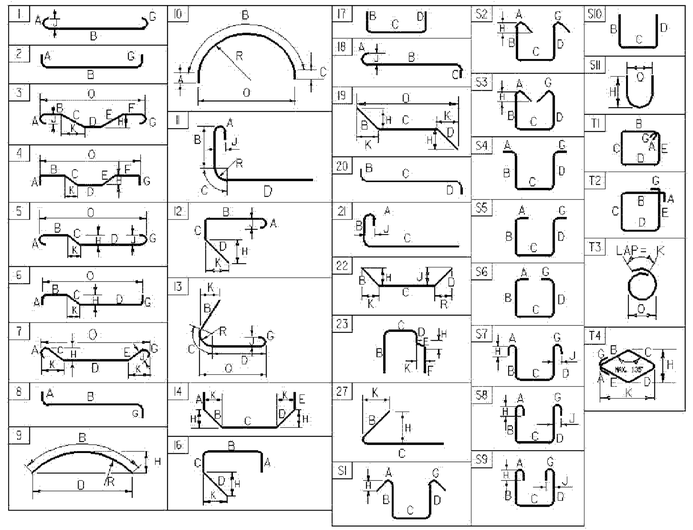
STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	PIER																
✳	25	5	43'- 0"	1P501	STR	43'- 0"											
	36	5	6'- 2"	1P502	S3	0'- 10"	0'- 0"	4'- 6"	0'- 10"			---	0'- 6"				
	20	5		1P503	S11								4'- 2"				4'- 2"
	44	5	9'- 8"	1P504	23		2'- 2"	1'- 4"	1'- 0"	3'- 0"	2'- 2"		0'- 0"		3'- 0"		
	4	6	47'- 4"	1P601	STR	47'- 4"											
	36	6	16'- 0"	1P602	T1	0'- 10"	3'- 0"	4'- 2"	3'- 0"	4'- 2"		0'- 10"					
✳	5	6	18'- 8"	1P603	17		2'- 2"	14'- 4"	2'- 2"								
	30	7	52'- 10"	1P701	17		2'- 8"	47'- 6"	2'- 8"								
✳	97	7	19'- 8"	1P702	17		2'- 8"	14'- 4"	2'- 8"								
	200	8	14'- 8"	1P801	17		2'- 0"	12'- 8"	---								
	30	9	52'- 10"	1P901	17		2'- 8"	47'- 6"	2'- 8"								
	96	9	19'- 4"	1P902	17		2'- 6"	14'- 4"	2'- 6"								
✳	17	9	11'- 9"	1P903	STR	11'- 9"											
	30	9	47'- 4"	1P904	STR	47'- 4"											
	LIGHTPOLE PEDESTAL																
	18	4	9'- 2"	4CP01	S6	1'- 4"	2'- 6"	1'- 6"	2'- 6"			1'- 4"					
	30	6	4'- 4"	6CP01	STR	4'- 4"											

~ 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 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: **BETHEL**
PROJECT NUMBER: **BRF 022-1(14)**

FILE NAME: **78f161**
PROJECT MANAGER: **M.EVANS-MONGEON**
DESIGNED BY: **S.SCRIBNER**
REINFORCING STEEL SCHEDULE SHEET #2

PLOT DATE: **1/11/2011**
DRAWN BY: **G. ROKES**
CHECKED BY: **N. VAN DEN BER**
SHEET 85 OF 148