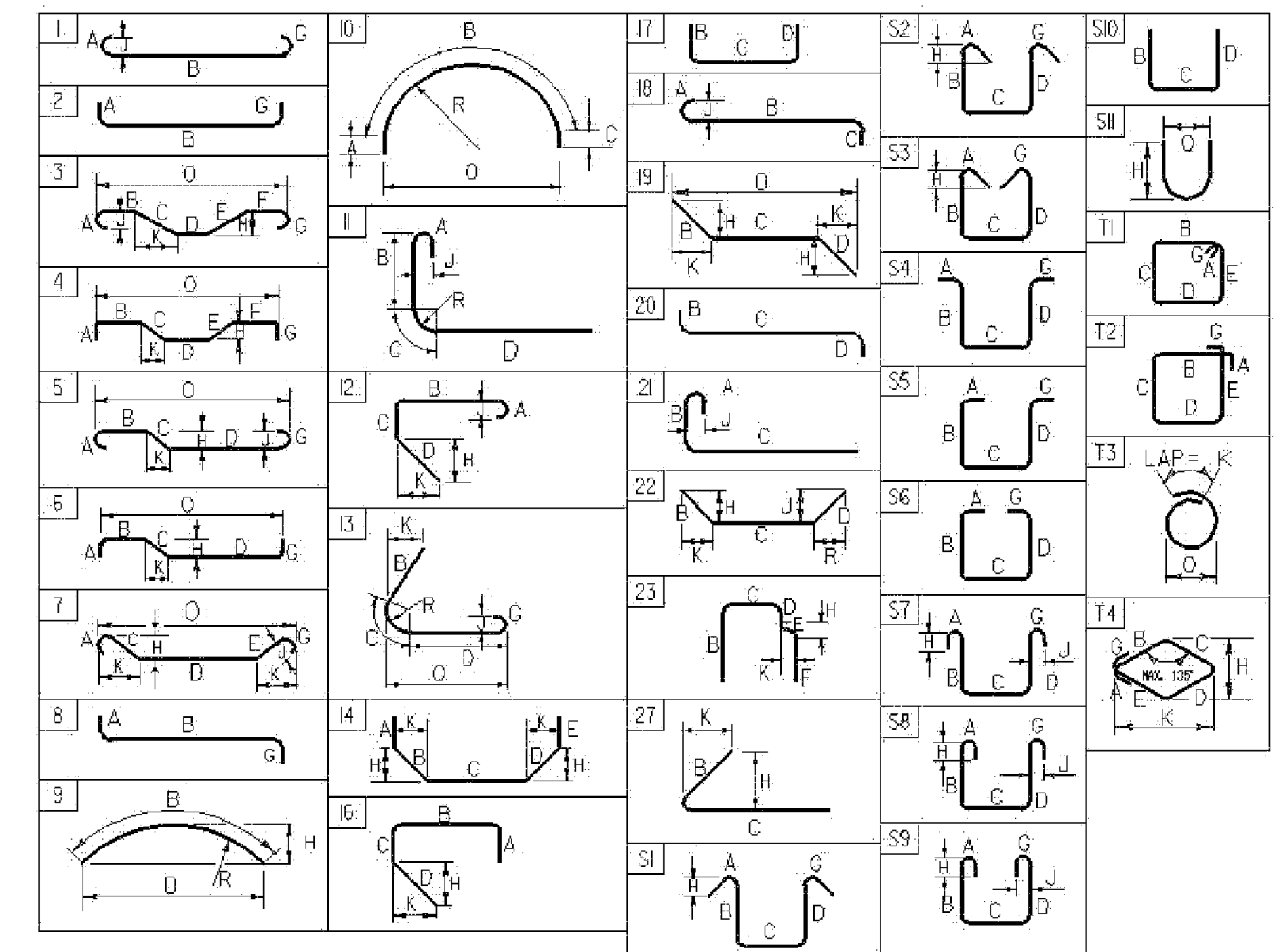


REINFORCING STEEL SCHEDULE

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT #1																																			
▲	64	5	2'-6"	1A501	STR	2'-6"																													
*▲	7	5	30'-0"	1A502	STR	30'-0"																													
	16	8	3'-9"	1A801	17	1'-0"	2'-9"																												
WINGWALL #1																																			
NO BARS																																			
WINGWALL #2																																			
▲	26	5	4'-8"	2W501	STR	4'-8"																													
	12	5	12'-3"	2W502	22	1'-0"	11'-3"						0'-7"	---	0'-10"	---																			
*▲	5	8	3'-0"	2W801	STR	3'-0"																													
ABUTMENT #2																																			
▲	64	5	2'-6"	2A501	STR	2'-6"																													
▲	6	5	28'-11"	2A502	STR	28'-11"																													
	15	8	3'-9"	2A801	17	1'-0"	2'-9"																												
WINGWALL #3																																			
NO BARS																																			
WINGWALL #4																																			
▲	16	5	4'-6"	4W501	STR	4'-6"																													
*▲	11	5	9'-7"	4W502	STR	9'-7"																													
	3	8	3'-0"	4W801	STR	3'-0"																													
APPROACH SLAB #1																																			
*▲	22	5	26'-3"	1EAS01	STR	26'-3"																													
*▲	29	9	20'-9"	1EAS901	1	1'-3"	19'-6"						---		1'-0"																				
APPROACH SLAB #2																																			
	19	5	24'-11"	2EAS501	STR	24'-11"																													
▲	8	5	19'-6"	2EAS502	STR	19'-6"																													
*▲	19	5	5'-0"	2EAS503	STR	5'-0"																													
	18	5	5'-5"	2EAS504	S5	---	0'-5"	1'-7"	0'-5"				3'-0"																						
*▲	29	9	20'-9"	2EAS901	1	1'-3"	19'-6"						---		1'-0"																				
BASE SLAB																																			
	72	5	36'-0"	EBS501	STR	36'-0"																													
*▲	136	5	5'-6"	EBS502	STR	5'-6"																													
	6	5	9'-0"	EBS504	STR	9'-0"																													
	135	5	5'-5"	EBS503	S5	---	0'-9"	1'-9"	0'-9"				2'-2"																						
	135	5	8'-3"	EBS504	2	0'-9"	7'-6"																												
*▲	71	8	7'-3"	BS801	STR	7'-3"																													

~ NOTES ~

- 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-S). ALL BARS SHALL BE GRADE 60, UNLESS OTHERWISE DESIGNATED.
- 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".
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180 DEGREE AND 135 DEGREE HOOKS.
- "J" DIMENSION ON 180 DEGREE HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE. OTHERWISE, STANDARD HOOKS ARE TO BE USED.
- "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
- WHERE SLOPE DIFFERS FROM 45 DEGREES, DIMENSIONS "H" AND "K" MUST BE SHOWN.
- ▲ DENOTES BARS TO BE CUT IN FIELD.
- * DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
- △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
- 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: **ROXBURY**
PROJECT NUMBER: **BHF 0187 (8)**

FILE NAME: s10c420forms.dgn PLOT DATE: 9/19/2011
PROJECT MANAGER: C.P. WILLIAMS DRAWN BY: M. LONGSTREET
DESIGNED BY: R. YOUNG CHECKED BY: R. YOUNG
REINFORCING STEEL SCHEDULE SHEET #1 SHEET 27 OF 54