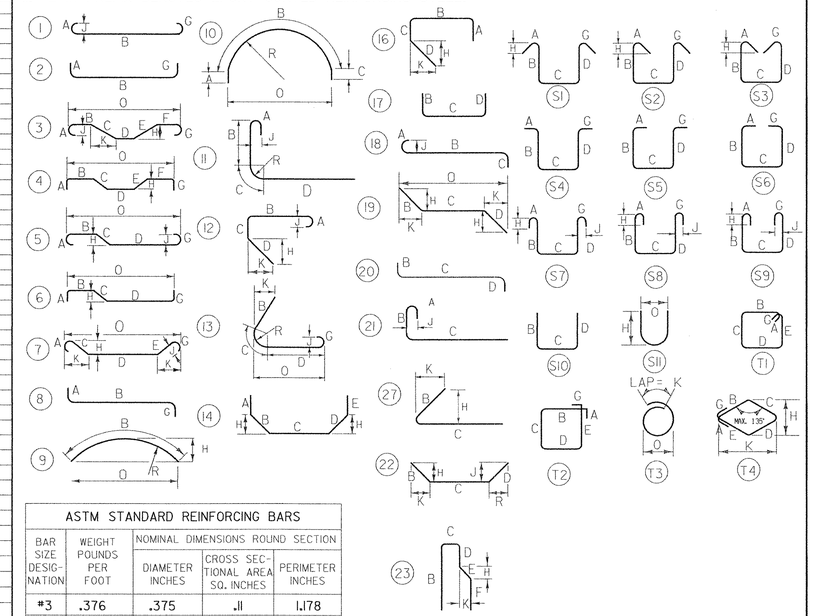
ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1	ABUTMENT 1																
2																	
3 *	53	5	6'-0"	1A501	STR												
4	14	5	24'-11"	1A502	STR												
5	17	5	3'-2"	1A503	STR												
6	2	5	16'-11"	1A504	17		1'-9"	13'-5"	1'-9"								
7 ▲	11	5	24'-3"	1A505	STR												
8 *	4	5	13'-5"	1A506	STR												
9	15	5	4'-6"	1A507	17		1'-0"	2'-6"	1'-0"								
10	13	5	4'-3"	1A508	STR												
11	25	5	2'-6"	1A509	17		1'-0"	6"	1'-0"								
12 ▲	25	5	7'-6"	1A510	2	10"	6'-8"					0"					
13	6	5	7'-5"	1A511	17		2'-0"	5'-5"	0"								
14 ▲	12	5	6'-9"	1A512	STR												
15																	
16	ABUTMENT 2																
17																	
18 *	33	5	7'-6"	2A501	STR												
19	18	5	14'-10"	2A502	STR												
20	19	5	5'-3"	2A503	STR												
21	4	5	13'-6"	2A504	STR												
22	13	5	17'-5"	2A505	STR												
23 ▲	3	5	17'-5"	2A506	STR												
24	15	5	4'-9"	2A507	17		1'-0"	2'-9"	1'-0"								
25	19	5	4'-3"	2A508	STR												
26	19	5	2'-9"	2A509	17		1'-0"	9"	1'-0"								
27 *	20	6	9'-9"	2A601	2	1'-0"	8'-9"					0"					
28																	
29	WINGWALL 3																
30																	
31	26	5	5'-6"	3W501	STR												
32	14	5	12'-4"	3W502	STR												
33 ▲	10	5	8'-9"	3W503	STR												
34 ▲	18	5	6'-11"	3W504	STR												
35 *	5	5	8'-4"	3W505	19		0"	6'-4"	2'-0"				1'-5"		1'-5"		7'-9"
36	8	5	5'-0"	3W506	19		0"	3'-0"	2'-0"				1'-5"		1'-5"		4'-5"
37	10	5	2'-9"	3W507	17		1'-0"	9"	1'-0"								
38	2	5	6'-8"	3W508	STR												
39	5	5	5'-0"	3W509	STR												
40 ▲ *	10	6	9'-9"	3W601	2	1'-0"	8'-9"					0"					
41																	
42	WINGWALL 4																
43																	
44	26	5	5'-6"	4W501	STR												
45 *	15	5	12'-4"	4W502	STR												
46 ▲	10	5	8'-9"	4W503	STR												
47 ▲	18	5	6'-11"	4W504	STR												
48 *	5	5	8'-4"	4W505	19		0"	6'-4"	2'-0"				1'-5"		1'-5"		7'-9"
49	8	5	5'-0"	4W506	19		0"	3'-0"	2'-0"				1'-5"		1'-5"		4'-5"
50	10	5	2'-9"	4W507	17		1'-0"	9"	1'-0"								
51	2	5	6'-8"	4W508	STR												
52	5	5	5'-0"	4W509	STR												
53 ▲	9	6	9'-9"	4W601	2	1'-0"	8'-9"					0"					

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-S1). 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 PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



ASTM STANDARD REINFORCING BARS				
BAR SIZE DESIGNATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	CROSS SECTIONAL AREA SQ. INCHES	PERIMETER INCHES
#3	.376	.375	.11	1.178
#4	.668	.500	.20	1.571
#5	1.043	.625	.31	1.963
#6	1.502	.750	.44	2.356
#7	2.044	.875	.60	2.749
#8	2.670	1.000	.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

REINFORCING STEEL SCHEDULE

PROJECT NAME: WALLINGFORD
PROJECT NUMBER: STP ST WALK(14)

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FILE NAME: $FILES$
PROJECT MANAGER: SUSAN SCRIBNER
DESIGNED BY: L. HARDEN
BRIDGE DESIGN SUPERVISOR: P. HALSTEAD

PLOT DATE: 1/9/2009
DRAWN BY: W. WEATHERBY
CHECKED BY: P. HALSTEAD
SHEET 26 OF 26

FILE NAME =u:\8669\nstn\prefinal_submission\za02f136-rbar.dgn
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