ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1																	
2																	
3					BOX												
4																	
5																	
6	66	5	16'-0"	B501A	STR												
7	66	5	29'-2"	B501B	STR												
8	86	5	5'-5"	B502	STR												
9	86	5	3'-9"	B503	STR												
10	20	5	18'-6"	B504	STR												
11	34	5	7'-4"	B505	SS	1'-0"	1'-11"	1'-6"	1'-11"			1'-0"					
12	34	5	10'-2"	B506	SS	1'-6"	2'-9"	0'-10"	3'-7"			1'-6"					
13	19	5	10'-3"	B507	STR												
14																	
15	86	6	19'-11"	B601	1	0'-8"	18'-7"					0'-8"		0'-6"			
16	86	6	8'-11"	B602	17		5'-4"	3'-10"	X								
17																	
18	*87	7	9'-10"	B701	17		5'-5"	4'-5"									
19																	
20	*60	8	20'-5"	B801	1	0'-11"	18'-7"					0'-11"		0'-8"			
21																	
22																	
23																	
24					WING WALL #1												
25																	
26																	
27	*21	5	5'-3"	1W505	19		X	3'-0"	2'-3"				0'-6½"		2'-3"		
28																	
29	5	8	3'-0"	1WA01	19		1'-6"	1'-6"	X				0'-9"		1'-3⅜"		
30																	
31																	
32																	
33					WINGWALL #2												
34																	
35																	
36	6	5	3'-11"	2W501	STR												
37	*28	5	5'-9"	2W502	STR												
38	6	5	7'-9"	2W503	STR												
39	8	5	7'-9"	2W504	STR												
40	20	5	6'-11"	2W505	19		X	2'-4"	4'-7"				5⅜"		2'-3½"		
41																	
42	8	6	6'-8"	2W601	17		4'-1"	2'-7"	X								
43	8	6	7'-0"	2W602	STR												
44																	
45	*6	8	3'-0"	2W801	19		1'-6"	1'-6"	X				9"		1'-3⅜"		
46																	
47																	
48					WINGWALL #3												
49																	
50																	
51	10	5	3'-11"	3W501	STR												
52	27	5	9'-9"	3W502	STR												
53	10	5	8'-6"	3W503	STR												
54	14	5	8'-6"	3W504	STR												
55	20	5	7'-4"	3W505	19		3'-2"	4'-2"	X				2-2⅞"		2-2⅞"		
56																	
57	*15	6	6'-8"	3W601	17		4'-1"	2'-7"	X								
58	14	6	7'-0"	3W602	STR												
59																	
60																	
61					WING WALL #4												
62																	
63																	
64	10	5	3'-11"	4W501	STR												
65	27	5	9'-9"	4W502	STR												
66	10	5	6'-0"	4W503	STR												
67	14	5	7'-10"	4W504	STR												
68	20	5	7'-4"	4W505	19		3'-2"	4'-2"	X				1'-7"		2'-8⅜"		
69																	
70	*15	6	6'-8"	4W601	17		4'-1"	2'-7"	X								
71	14	6	7'-0"	4W602	STR												
72																	
73																	
74																	
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77																	
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ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
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ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
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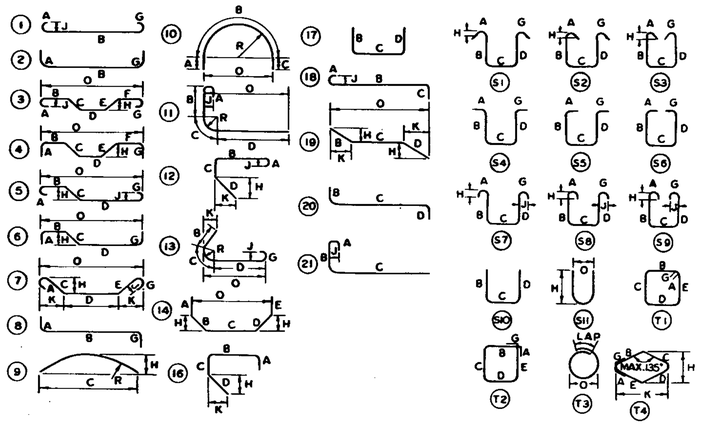
ASTM STANDARD REINFORCING BARS

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

TYPICAL BAR BENDS



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), GRADE 60.
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° AND 135° HOOKS.
5. "J" DIMENSION ON 180° 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° DIMENSIONS "H" AND "K" MUST BE SHOWN.

* DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.

REV. NO.	MADE BY	DATE	DESCRIPTION

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF HINESBURG	BRIDGE NO. 27
HIGHWAY NO. V.T. 116	LOG STA. 21+24.80
	SURV. STA.

VT. 116 OVER PATRICK BROOK

REINFORCING STEEL SCHEDULE

DESIGNED BY M. EVANS	DRAWN BY K. BLOMQUIST
CHECKED BY J.A. Holmic DATE 5-6-84	BRIDGE DESIGN SUPERVISOR R.L. Ostby DATE 10-84
PROJECT HINESBURG	PROJECT NO. F021-1(8)S

BRIDGE SHEET NO. BR106 SHEET 18 OF 76