B.R.R. DIV. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	VT.	I-89-2(7)	85	137

Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
						SPAN 1	(LEFT LANE)										
1	144	5	34'-4"	S1-501	Str.												
2	129 *	4	20'-3"	S2-401	Str.												
3	21 *	6	20'-6"	S3-601	Str.												
4	50	4	4'-10"	S4-402	S3	0'-4½"	1'-4"	1'-5"	1'-4"			0'-4½"	0'-2½"				
5	8	5	32'-2"	S5A-502	Str.												
6	6	5	29'-6"	S5P-503	Str.												
7	26	4	6'-0"	S6A-403	S2	0'-4½"	2'-3"	0'-9"	2'-3"			0'-4½"	0'-2½"				
8	28	4	4'-10"	S6P-404	S2	0'-4½"	1'-8"	0'-9"	1'-8"			0'-4½"	0'-2½"				
9	22	6	3'-0"	S7-602	1	0'-8"	1'-8"					0'-8"		0'-6"			
10	12	5	3'-3"	S9P-507	Str.												
11																	
12						SPAN 2	(RIGHT LANE)										
13	SAME	AS SPAN 1	LEFT	LANE													
14																	
15						SPAN 3	(LEFT LANE)										
16	328	5	34'-4"	S1-501	Str.												
17	192	4	31'-0"	S2-405	Str.												
18	30	6	31'-3"	S3-603	Str.												
19	120	4	4'-10"	S4-402	S3	0'-4½"	1'-4"	1'-5"	1'-4½"			0'-4½"	0'-2½"				
20	12	5	29'-6"	S5P-503	Str.												
21	56	4	4'-10"	S6P-404	S2	0'-4½"	1'-8"	0'-9"	1'-8"			0'-4½"	0'-2½"				
22	24	5	3'-3"	S9P-507	Str.												
23																	
24						SPAN 4	(RIGHT LANE)										
25	SAME	AS SPAN 3	LEFT	LANE													
26																	
27						SPAN 5	(LEFT LANE)										
28	324	5	34'-4"	S1-501	Str.												
29	192	4	30'-6"	S2-406	Str.												
30	30	6	30'-9"	S3-604	Str.												
31	116	4	4'-10"	S4-402	S3	0'-4½"	1'-4"	1'-5"	1'-4"			0'-4½"	0'-2½"				
32	12	5	29'-6"	S5P-503	Str.												
33	56	4	4'-10"	S6P-404	S2	0'-4½"	1'-8"	0'-9"	1'-8"			0'-4½"	0'-2½"				
34	24	5	3'-3"	S9P507	Str.												
35																	
36						SPAN 6	(RIGHT LANE)										
37	310	5	34'-4"	S1-501	Str.												
38	192	4	29'-3"	S2-407	Str.												
39	30	6	29'-6"	S3-605	Str.												
40	112	4	4'-10"	S4-402	S3	0'-4½"	1'-4"	1'-5"	1'-4"			0'-4½"	0'-2½"				
41	6	5	29'-6"	S5P-503	Str.												
42	12	5	22'-2"	S5P-504	Str.												
43	68	4	4'-10"	S6P-404	S2	0'-4½"	1'-8"	0'-9"	1'-8"			0'-4½"	0'-2½"				
44	17 *	8	4'-0"	S8P-801	Str.	(Smooth)											
45	4	4	5'-1"	S10P411	S2	0'-4½"	1'-8"	1'-0"	1'-8"			0'-4½"	0'-2½"				
46	24	5	3'-3"	S9P507	Str.	SPAN 7	(LEFT LANE)										
47	SAME	AS SPAN 6	RIGHT	LANE													
48																	
49						SPAN 8	(LEFT LANE)										
50	SAME	AS SPAN 9	RIGHT	LANE													
51																	
52						SPAN 9	(RIGHT LANE)										
53	362	5	34'-4"	S1-501	Str.												
54	192	4	34'-1"	S2-408	Str.												
55	30	6	34'-4"	S3-606	Str.												
56	132	4	4'-10"	S4-402	S3	0'-4½"	1'-4"	1'-5"	1'-4"			0'-4½"	0'-2½"				
57	24	5	22'-6"	S5P-505	Str.												
58	80	4	4'-10"	S6P-404	S2	0'-4½"	1'-8"	0'-9"	1'-8"			0'-4½"	0'-2½"				
59	16	8	4'-0"	S8P-801	Str.	(Smooth)											
60	24	5	3'-3	S9P-507	Str.												
61	8	4	5'-1"	S10P-411	S2	0'-4½"	1'-8"	1'-0"	1'-8"			0'-4½"	0'-2½"				
62						SPAN 10	(LEFT LANE)										
63	SAME	AS SPAN 11	RIGHT	LANE													
64																	
65						SPAN 11	(RIGHT LANE)										
66	196	5	34'-4"	S1-501	Str.												
67	128	4	27'-8	S2-409	Str.												
68	20	6	27'-11"	S3-607	Str.												
69	66	4	4'-10"	S4-402	S3	0'-4½"	1'-4"	1'-5"	1'-4"			0'-4½"	0'-2½"				
70	16	5	22'-8"	S5A-506	Str.												
71	12	5	22'-6"	S5P-505	Str.												
72	42	4	6'-6"	S6A-410	S2	0'-4½"	2'-6"	0'-9"	2'-6"			0'-4½"	0'-2½"				
73	40	4	4'-1"	S6P-404	S2	0'-4½"	1'-9"	0'-9"	1'-8"			0'-4½"	0'-2½"				
74	29	6	3'-0"	S7-602	1	0'-8"	1'-8"					0'-8"		0'-6"			
75	12	5	3'-3"	S9P-507	Str.												
76	4	4	5'-1"	S10P411	S2	0'-4½"	1'-8"	1'-0"	1'-8"			0'-4½"	0'-2½"				
77																	
78																	
79																	
80																	
81																	

Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
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85																	
86																	
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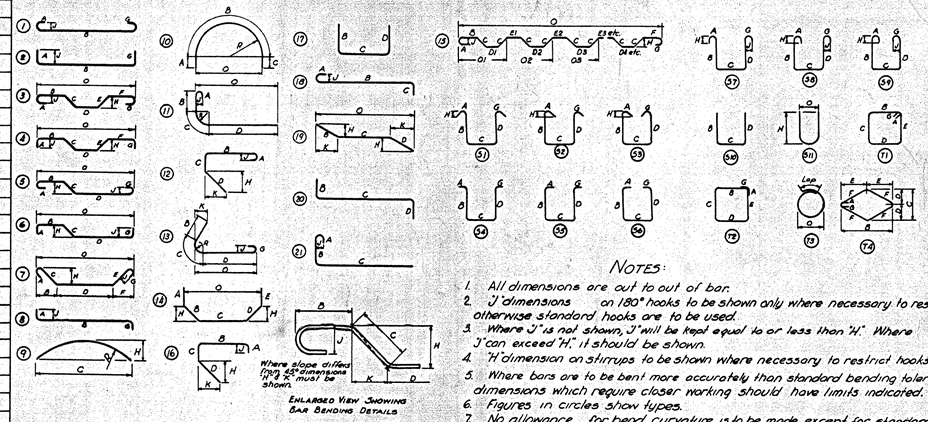
TYPICAL BAR BENDS



NOTES:

1. All dimensions are out to out of bar.
2. "J" dimensions on 180° hooks to be shown only where necessary to restrict hook size otherwise standard hooks are to be used.
3. Where "J" is not shown, "J" will be kept equal to or less than "H". Where "J" can exceed "H", it should be shown.
4. "H" dimension on stirrups to be shown where necessary to restrict hooks.
5. Where bars are to be bent more accurately than standard bending tolerances, bending dimensions which require closer working should have limits indicated.
6. Figures in circles show types.
7. No allowance for bend curvature is to be made except for standard hook & radii in excess of same.

Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
163																	
164																	
165																	
166																	
167																	
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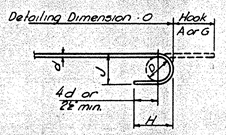
Detailing Dimension - O



STANDARD HOOK DETAIL

BAR SIZES

Equivalent Size	Present (Numbers)
¼"φ	#2
⅜"φ	#3
½"φ	#4
⅝"φ	#5
¾"φ	#6
⅞"φ	#7
1"φ	#8
1"□	#9
1⅛"□	#10
1¼"□	#11

BOLTON IM 089-2(29)
BRIDGES 51 N&S
THIS SHEET FOR REFERENCE ONLY.

8. Bar reinforcement metal shall conform to the requirements of the Standard Specifications for new Billet-Steel Concrete Reinforcement Bars (Intermediate Grade) Serial Designation A.A.S.H.O. M31-48 or its latest revision. All bars shall be deformed to conform with A.S.T.M. Specifications A 305-49.

9. * Denotes one additional bar for testing purposes

ESTIMATED QUANTITIES

Final	Location	Pounds
9,030 ✓	Span 1	~~8,448~~
9,030 ✓	" 2	~~8,448~~
18,148 ✓	" 3	18,148 ✓
18,148 ✓	" 4	18,148 ✓
17,906 ✓	" 5	~~17,905~~
17,501 ✓	" 6	~~17,489~~
17,502 ✓	" 7	~~17,489~~
20,410 ✓	" 8	~~20,406~~
20,410 ✓	" 9	~~20,406~~
11,573 ✓	" 10	~~11,591~~
11,573 ✓	" 11	~~11,591~~
841 ✓	Dowels ✓	
172,072 ✓	TOTAL	~~170,069~~

CONTRACT NO. 3

REINFORCING SCHEDULE

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

INTERSTATE PROJECT in the towns of WATERBURY - BOLTON

INTERSTATE STA. 1148+50
OVER
U.S. ROUTE 2 (REL.) STA. 30+00

THE CLARKESON ENGINEERING CO. INC.
CONSULTING ENGINEERS
BOSTON Lexington MASSACHUSETTS

SURVEYED BY	CHECKED BY D.B.S. & H.M.	SCALE NONE	
DRAWN BY F.P.D.	IN CHARGE J.V.B.	DATE 7-7-58	

PROJECT NO. I-89-2 (7) SHEET 277 OF 307