Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	P	Q
							Pier										
1	28	4	17-9	P403	Str												
2	30	4	26-0	P409	Str												
3	24	4	24-0	P413	Str												
4	30	4	2-2	P422	Str												
5																	
6	35	5	13-6	P504	Str												
7																	
8	56	6	18-0	P608	Str												
9	16	6	19-9	P618	Str												
10	6	6	22-10	P619	Str												
11																	
12	62	8	14-9	P806	Str												
13																	
14	30	4	9-6	P410	10	2-0	5-6	2-0								1-9	3-6
15	60	4	14-2	P411	T1	5	3-2	3-6	3-2	3-6		5					
16	15	4	12-2	P412	T1	5	2-2	3-6	2-2	3-6		5					
17	24	4	7-11	P414	10	2-0	3-11	2-8								1-3	2-6
18	24	4	12-2	P415	T1	5	3-2	2-6	3-2	2-6		5					
19	36	4	10-2	P416	T1	5	2-2	2-6	2-2	2-6		5					
20	2	4	19-10	P421A	T1	5	4-10	4-8	4-10	4-8		5					
21	2	4	20-6	P421B	T1	5	5-2	4-8	5-2	4-8		5					
22	2	4	21-2	P421C	T1	5	5-6	4-8	5-6	4-8		5					
23	4	4	21-6	P421D	T1	5	5-8	4-8	5-8	4-8		5					
24	30	4	6-8	P423	17		2-3	2-2	2-3								
25																	
26	28	5	18-5	P502	1	7	17-10										
27	56	6	5-2	P607	1	8	4-6										
28	16	6	22-4	P617	19		5-7	16-9					2-0		5-3		22-0
29																	
30	62	8	7-2	P805	1	1-1	6-1										
31																	
32	35	11	16-8	P1101	1	1-7	13-6					1-7					
33	20	11	15-4	P1120	2	3-6	11-10										
34																	
35																	
36																	
37																	
38																	
39																	
40																	
41							Superstructure										
42																	
43							Span 1										
44	*361	5	31-10	15502	Str												
45	606	5	35-0	15501	Str												
46	* 51	6	32-3	15603	Str												
47	204	4	5-3	15404	S3	5	1-4	1-9	1-4			5					
48	8	5	17-0	15505	Str												
49																	
50																	
51							Span 2										
52				Same as Span 1 except Mark 25---													
53				and no Test Bars													
54																	
55																	
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Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	P	Q
							Approach Slab No. 1										
82	2	5	18-1	1AS4	Str												
83	21	5	29-6	1AS3	Str												
84																	
85	1	5	27-8	1AS3A	Str												
86	↓	↓	↓	thru	↓		1 each, vary in 14 increments of 1-9½+										
87	1	5	2-6	1AS3B	Str												
88																	
89	1	10	20-11	1AS2A	Str												
90	↓	↓	↓	thru	↓		1 each, vary in 29 increments of 0-6½+										
91	1	10	4-10	1AS2DD	Str												
92																	
93	*32	10	20-7	1AS1	1	1-1	196							9			
94																	
95																	
96																	
97																	
98							Approach Slab No. 2										
99	2	5	20-5	2AS4	Str												
100	21	5	29-6	2AS3	Str												
101																	
102	1	5	28-4	2AS3A	Str												
103	↓	↓	↓	thru	↓		1 each, vary in 23 increments of 1-1¾+										
104	1	5	2-0	2AS3X	Str												
105																	
106	1	10	30-1	2AS2A	Str												
107	↓	↓	↓	thru	↓		1 each, vary in 29 increments of 0-10¼+										
108	1	10	5-1	2AS2DD	Str												
109																	
110	31	10	20-7	2AS1	1	1-1	19-6							9			
111																	
112																	
113																	
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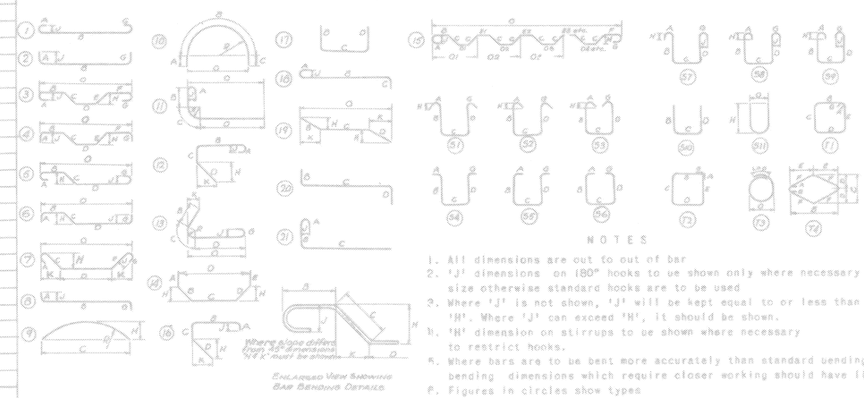
TYPICAL BAR BENDS



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	P	Q
163																	
164																	
165																	
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167																	
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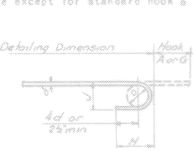

STANDARD HOOK DETAIL

BAR SIZES

Equivalent Size	Present Number	Weight per ft
¼"	2	.167
3/8"	3	.376
½"	4	.668
5/8"	5	1.043
¾"	6	1.502
7/8"	7	2.044
1"∅	8	2.670
1"	9	3.400
1⅛"	10	4.303
1¼"	11	5.313
1½"	14.5	7.650
2"	18S	13.600

MORETOWN
STP DECK(37)
SHEET 25 OF 25
FOR REFERENCE ONLY

GENERAL NOTES

(1) Unless otherwise designated all standard reinforcement shall be deformed bars conforming with the requirements of the "Standard Specification for Billet-Steel Bars for Concrete Reinforcement"(Intermediate Grade) AASHO Designation M31-60 or its latest revision.

(2) Unless otherwise designated all special large size reinforcement shall be deformed bars conforming with the requirements of the "Standard Specification for Special Large size Deformed Billet-Steel Bars for Concrete Reinforcement"(Intermediate Grade) AASHO Designation M-174-60 or its latest revision.

(3) * Denotes one extra bar added for testing purposes.

(4) Stirrups and tie bars shall be bent around a pin having a diameter not less than two times the minimum thickness of the bar. Bends for other bars shall be made around a pin having a diameter not less than six times the minimum thickness except for bars larger than 1 inch, in which case the bends shall be made around a pin of eight bar diameters.

ESTIMATED QUANTITIES

LOCATION	PLAN (LBS)	FINAL (LBS)
Pier	15,355	
Superstructure:		
Span 1	37,295	
Span 2	37,215	
Approach Slab 1	5,420	
Approach Slab 2	6,085	
Total this Sheet	101,370	
Total Br. 114	66,025	
Total	167,395	

Br. 115 of 121

STATE OF VERMONT
DEPARTMENT OF HIGHWAYS

TOWN OF Moretown
Route 100-B over Mad River
Reinforcing - Pier, Superstructure, & Approach Slabs

DRAWN BY WBT CHECKED BY RLO
PROJECT S NO. 0167(3)
SHEET 61 OF 104