Item	No. Pieces	Size	Length	Mark	Type	A	B	C	D	E	F	G	H	J	K	R	O
				PIER "A"													
1	* 84	4	9'-7"	PA-401	T3												2'-5"
2	40	5	24'-9"	PA-501	Str.												
3	27	5	13'-4"	PA-502	T1	0'-2"	3'-8"	2'-10"	3'-8"	2'-10"		0'-2"					
4	6	6	11'-9"	PA-601	10	3'-0"	5'-9"	3'-0"								1'-10"	3'-8"
5	4	6	26'-1"	PA-602	Str.												
6	116	6	9'-8"	PA-603	Str.												
7	40	8	25'-6"	PA-801	Str.												
8	14		29'-5"	PA-802	20		2'-11"	26'-6"									
9	6		12'-2"	PA-803	Str.												
10	7		32'-11"	PA-804													
11	7	8	20'-5"	PA-805													
12	19	10	22'-6"	PA-1001													
13			22'-11"	PA-1002													
14			23'-4"	PA-1003													
15	19		23'-9"	PA-1004	Str.												
16	* 17	10.	7'-8"	PA-1005	20		1'-0"	6'-8"									
17																	
18																	
19																	
20				PIER "B"													
21	140	4	9'-7"	PB-401	T3												2'-5"
22	38	5	13'-4"	PB-501	T1	0'-2"	3'-8"	2'-10"	3'-8"	2'-10"		0'-2"					
23	6	6	11'-9"	PB-601	10	3'-0"	5'-9"	3'-0"								1'-10"	3'-8"
24	4	6	25'-10"	PB-602	Str.												
25	20	8	29'-2"	PB-801	20		2'-11"	26'-3"									
26	8	8	32'-8"	PB-802	Str.												
27	8	8	20'-2"	PB-803													
28	* 53	9	6'-6"	PB-901													
29	36	9	9'-6"	PB-902													
30	76	11	37'-3"	PB-1101	Str.												
31	* 77	11	7'-5"	PB-1102	20		1'-0"	6'-5"									
32																	
33																	
34																	
35				PIER "C"													
36	86	4	9'-7"	PC-401	T3												2'-5"
37	20	4	5'-11"	PC-402	S10		2'-6"	0'-11"	2'-6"								
38	40	5	24'-9"	PC-501	Str.												
39	25	5	13'-4"	PC-502	T1	0'-2"	3'-8"	2'-10"	3'-8"	2'-10"		0'-2"					
40	6	6	11'-9"	PC-601	10	3'-0"	5'-9"	3'-0"								1'-10"	3'-8"
41	4	6	25'-7"	PC-602	Str.												
42	116	6	9'-8"	PC-603	Str.												
43	40	8	25'-6"	PC-801	Str.												
44	14		28'-11"	PC-802	20		2'-11"	26'-0"									
45	* 7		11'-8"	PC-803	Str.												
46	7		32'-3"	PC-804													
47	7	8	19'-9"	PC-805													
48	19	10	23'-0"	PC-1001													
49			23'-5"	PC-1002													
50			23'-10"	PC-1003													
51	19		24'-4"	PC-1004	Str.												
52	76	10	7'-8"	PC-1005	20		1'-0"	6'-8"									
53																	
54																	
55																	
56				PIER "D"													
57	139	4	9'-7"	PD-401	T3												2'-5"
58	20	4	5'-11"	PD-402	S10		2'-6"	0'-11"	2'-6"								
59	36	5	13'-4"	PD-501	T1	0'-2"	3'-8"	2'-10"	3'-8"	2'-10"		0'-2"					
60	6	6	11'-9"	PD-601	10	3'-0"	5'-9"	3'-0"								1'-10"	3'-8"
61	4	6	25'-4"	PD-602	Str.												
62	20	8	28'-8"	PD-801	20		2'-11"	25'-9"									
63	8	8	32'-2"	PD-802	Str.												
64	8	8	19'-8"	PD-803													
65	52	9	6'-6"	PD-901													
66	36	9	9'-6"	PD-902													
67	19	11	40'-7"	PD-1101													
68			38'-3"	PD-1102													
69			35'-11"	PD-1103													
70	19		33'-11"	PD-1104	Str.												
71	76	11	7'-5"	PD-1105	20		1'-0"	6'-5"									
72																	
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76																	
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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83																	
84																	
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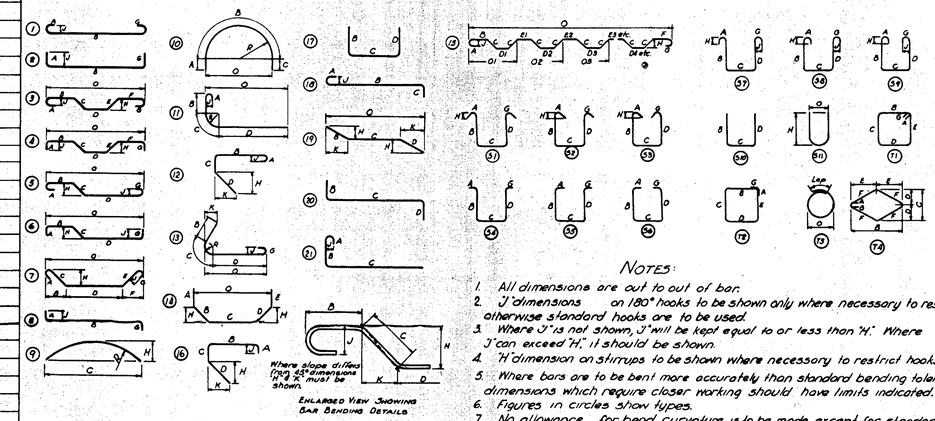
162																	

B.P.R. DIV. NO.	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
1	VT.	I-89-2(7)	122	296

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																	
168																	
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170																	
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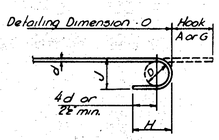

STANDARD HOOK DETAIL

BAR SIZES

Equivalent Size	Present (Numbers)
1/4"φ	#2
3/8"φ	#3
1/2"φ	#4
5/8"φ	#5
3/4"φ	#6
7/8"φ	#7
1"φ	#8
1"□	#9
1 1/8"□	#10
1 1/4"□	#11

IM 089-2(26)
This sheet for information only

BR 50 N & S

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.

ESTIMATED QUANTITIES

FINAL	Location	Pounds
19,022	PIER A	=17,031=
30,209	PIER B	=24,781=
19,198	PIER C	=19,186=
26,710	PIER D	=24,680=
95,145	Total	=85,680=

CONTRACT NO. 2

REINFORCING SCHEDULE
STATE OF VERMONT
DEPARTMENT OF HIGHWAYS
INTERSTATE PROJECT in the town of
WATERBURY
INTERSTATE STA. 939+50
OVER
U.S. ROUTE 2 (RELOC.) STA. 20+00

THE CLARKESON ENGINEERING CO., INC
CONSULTING ENGINEERS
BOSTON MASSACHUSETTS

SURVEYED BY: DRAWN BY: S.A.L. CHECKED BY: IN CHARGE: SCALE: DATE: 6-19-58

PROJECT NO. I-89-2(7) SHEET 258 OF 307