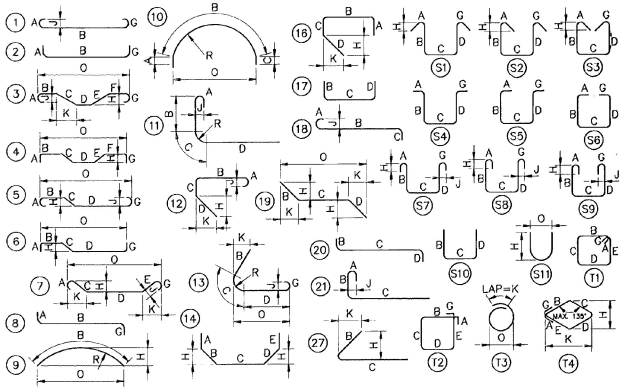
ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
				SUPERSTRUCTURE													
4	520	5	6'-8"	ES501	S5	1'-2"	1'-5"	1'-6"	1'-5"			1'-2"					
5	△82	5	31'-0"	ES502	ST												
6	88	5	7'-6"	ES503	S5	2'-6"	0'-9"	1'-3"	0'-6"			2'-6"					
7	20	5	7'-0"	ES504	STR												
9	△175	6	19'-6"	ES601	STR												
10	173	6	26'-9"	ES602	STR												
11	173	6	27'-0"	ES603	STR												
12	173	6	19'-2"	ES604	STR												
13	387	6	31'-6"	ES605	STR												
14	43	6	31'-0"	ES606	STR												
15	43	6	30'-0"	ES607	STR												
16	43	6	26'-0"	ES608	STR												
18	△174	7	15'-6"	ES701	STR												
19	△174	7	30'-9"	ES702	STR												
20	173	7	23'-0"	ES703	STR												
21	173	7	23'-3"	ES704	STR												
				PIER													
25	△66	4	10'-9"	P401	T1	0'-2 1/2"	2'-9"	2'-5"	2'-9"	2'-5"		0'-2 1/2"					
26	10	4	12'-1"	P402	T1	0'-2 1/2"	3'-5"	2'-5"	3'-5"	2'-5"		0'-2 1/2"					
28	△22	5	7'-11"	P501	10	2'-0"	3'-11"	2'-0"									
29	▲36	5	22'-2"	P502	STR												
30	4	5	12'-3"	P503	T1	0'-2 1/2"	1'-6"	4'-5"	1'-6"	4'-5"		0'-2 1/2"					
31	↓	5	TO	THRU	↓		VARIES IN 10 EQUAL INCREMENTS										
32	4	5	22'-3"	P513	T1	0'-2 1/2"	1'-6"	9'-5"	1'-6"	9'-5"		0'-2 1/2"					
34	△46	10	17'-6"	P1001	STR												
35	24	10	24'-9"	P1002	STR												
37	24	11	32'-6"	P1101	STR												
38	△73	11	19'-9"	P1102	2	2'-0"	17'-9"										
39	△73	11	18'-0"	P1103	STR												
				APPROACH SLABS													
42	△82	5	20'-4"	AS501	STR												
43	△94	9	21'-1"	AS901	1	1'-7"	19'-6"							9"			
				ABUTMENT #1													
47	40	5	23'-8"	1A501	STR												
48	△45	5	10'-9"	1A502	17		4'-3"	6'-6"									
49	34	5	9'-8"	1A503	STR												
50	▲43	5	13'-1"	1A504	17		3'-9"	9'-4"									
51	▲43	5	16'-3"	1A505	17		1'-6"	14'-9"									
52	43	5	7'-6"	1A506	STR												
53	43	5	3'-3"	1A507	STR												
54	16	5	19'-10"	1A508	STR												
55	16	5	24'-8"	1A509	STR												
56	▲12	5	19'-10"	1A510	STR												
57	▲12	5	26'-11"	1A511	STR												
58	▲16	5	8'-9"	1A512	17		2'-6"	6'-3"									
59	▲16	5	9'-3"	1A513	19		6'-3"	3'-0"					4'-5"		4'-5"		
60	▲12	5	6'-8"	1A514	17		2'-8"	4'-0"									
61	▲12	5	9'-0"	1A515	19		5'-0"	4'-0"					2'-10"		2'-10"		
63	△43	7	11'-0"	1A701	17		4'-3"	6'-9"									
65	20	8	3'-6"	1A801	19		1'-6"	2'-0"					1'-1"		1'-1"		
				WINGWALL #1													
69	26	5	3'-9"	1W501	STR												
70	13	5	31'-8"	1W502	STR												
71	▲26	5	15'-10"	1W503	STR												
72	20	5	24'-8"	1W504	STR												
73	26	5	3'-7"	1W505	S10		1'-0"	1'-7"	1'-0"								
74	▲14	5	23'-8"	1W506	STR												
76	▲△28	6	15'-10"	1W601	STR												
78	33	8	8'-6"	1W801	STR												
79	30	8	8'-10"	1W802	17		3'-7"	5'-3"									
				WINGWALL #2													
83	20	5	3'-9"	2W501	STR												
84	13	5	27'-0"	2W502	STR												
85	▲20	5	13'-9"	2W503	STR												
86	16	5	19'-5"	2W504	STR												
87	20	5	7'-1"	2W505	S10		2'-9"	1'-7"	2'-9"								
88	▲16	5	19'-5"	2W506	STR												
90	▲20	6	13'-7"	2W601	STR												
92	19	8	8'-8"	2W801	STR												
93	20	8	8'-10"	2W802	17		3'-7"	5'-3"									

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
				ABUTMENT #2													
101	40	5	23'-8"	2A501	STR												
102	△45	5	10'-9"	2A502	17		4'-3"	6'-6"									
103	34	5	9'-6"	2A503	STR												
104	▲43	5	12'-5"	2A504	17		3'-9"	8'-8"									
105	▲43	5	15'-10"	2A505	17		1'-6"	14'-4"									
106	43	5	7'-8"	2A506	STR												
107	43	5	3'-3"	2A507	STR												
108	16	5	21'-10"	2A508	STR												
109	16	5	22'-6"	2A509	STR												
110	▲12	5	24'-0"	2A510	STR												
111	▲12	5	22'-6"	2A511	STR												
112	▲16	5	9'-0"	2A512	19		6'-3"	2'-9"					4'-5"		4'-5"		
113	▲16	5	8'-10"	2A513	17		6'-3"	2'-7"									
114	▲12	5	6'-2"	2A514	19		3'-10"	2'-4"					2'-8"		2'-8"		
115	▲12	5	6'-6"	2A515	19		3'-11"	2'-7"									
117	△43	7	11'-0"	2A701	17		4'-3"	6'-9"									
119	△22	8	3'-6"	2A801	19		1'-6"	2'-0"					1'-1"		1'-1"		
				WINGWALL #3													
123	13	5	3'-9"	3W501	STR												
124	14	5	18'-6"	3W502	STR												
125	▲13	5	14'-0"	3W503	STR												
126	16	5	12'-8"	3W504	STR												
127	13	5	3'-7"	3W505	S10		1'-0"	1'-7"	1'-0"								
128	▲14	5	12'-2"	3W506	STR												
130	▲13	7	14'-0"	3W701	STR												
132	19	8	9'-6"	3W801	STR												
134	20	9	9'-9"	3W901	17		3'-7"	6'-2"									
				WINGWALL #4													
138	26	5	3'-9"	4W501	STR												
139	14	5	33'-3"	4W502	STR												
140	▲26	5	16'-2"	4W503	STR												
141	18	5	25'-7"	4W504	STR												
142	26	5	7'-1"	4W505	S10		2'-9"	1'-7"	2'-9"								
143	▲16	5	25'-7"	4W506	STR												
145	▲26	6	16'-0"	4W701	STR												
147	24	8	9'-6"	4W801	STR												
149	36	9	9'-9"	4W901	17		3'-7"	6'-2"									

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 THE FIELD.
9. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
10. E – DENOTES EPOXY COATED BARS.



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

BARNES AND JARNIS, INC.
CONSULTING ENGINEERS
80 BOYLSTON STREET, 4TH FL.
BOSTON, MASSACHUSETTS

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of WALLINGFORD	Bridge No. 79
Highway No. U.S. ROUTE 7	Log Sta.
	Surv. Sta.

U.S. ROUTE 7 OVER OTTER CREEK
REINFORCING STEEL SCHEDULE

Designed By TJC	Drawn By SAM
Checked By DLJ Date 4/95	Bridge Design Supervisor EMM Date 5/95
PROJECT WALLINGFORD	PROJECT NO. BRS 0137 (13)
I.G.C. Info.	
Bridge Sheet No. BR129	Sheet 55 of 114