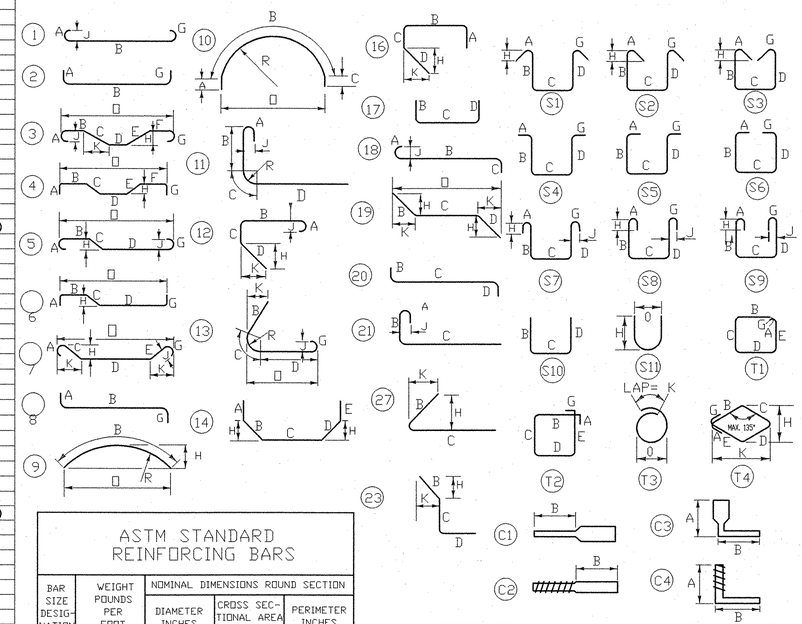
ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	D
			DECK														
	310	5	19–10	ES501	STR												
	311	5	7–6	ES502	STR	*											
	78	5	12–8	ES503	S5	2–2	1–7	5–4	1–5			2–2					
	710	5	2–6	ES504	C1		2–6										
	710	5	2–6	ES505	C2		2–6										
	402	5	27–1	ES506	STR												
	310	5	24–2	ES507	STR												
	78	5	16–0	ES508	S5	2–2	1–7	8–10	1–3			2–2					
	78	5	3–9	ES509	C4	0–8	3–1										
	64	5	4–9	ES510	16	0–11	1–10	0–7	1–5				1–0		1–0		
	64	5	10–5	ES511	S5	2–2	2–10	0–9	2–6			2–2					
	7	5	10–4	ES512	STR	*											
	6	5	24–2	ES513	STR	▲											
	6	5	17–1	ES514	STR												
	16	5	2–4	ES515	STR												
	78	5	3–0	ES516	C3	0–6	2–6										
			APPROACH SLAB NO. 1														
	38	9	20–3	1EAS901	1	1–3	19–0					0–0		0–9			
	18	8	2–9	1EAS801	19			1–9	1–0				0–9		0–9		
	22	5	21–7	1EAS501	STR	*											
	21	5	9–3	1EAS502	STR												
	21	5	2–6	1EAS503	C1		2–6										
	21	5	2–6	1EAS504	C2		2–6										
			APPROACH SLAB NO. 2														
	38	9	20–3	2EAS901	1	1–3	19–0					0–0		0–9			
	18	8	2–9	2EAS801	19			1–9	1–0				0–9		0–9		
	21	5	21–7	2EAS501	STR												
	22	5	9–3	2EAS502	STR	*											
	21	5	2–6	2EAS503	C1		2–6										
	21	5	2–6	2EAS504	C2		2–6										
			ABUTMENT NO. 1														
	60	11	11–6	1A1101	STR												
	56	9	8–6	1A901	17	*	7–0	1–6	0–0								
	24	8	13–6	1A801	STR												
	24	8	24–2	1A802	STR												
	24	8	20–6	1A803	STR												
	56	8	12–0	1A804	17		10–6	1–6	0–0								
	55	6	11–7	1A601	STR												
	60	5	11–6	1A501	STR												
	57	5	5–0	1A502	STR												
	57	5	17–0	1A503	STR												
	54	5	6–8	1A504	17		2–4	2–0	2–4								
	36	5	11–7	1A505	STR												
	7	5	22–6	1A506	17		10–7	2–0	10–7								
	36	5	24–2	1A507	STR												
	36	5	19–1	1A508	STR												
	120	5	2–6	1A509	C1		2–6										
	120	5	2–6	1A510	C2		2–6										
	56	5	11–6	1A511	STR												
			ABUTMENT NO. 2														
	60	11	11–6	2A1101	STR												
	53	9	8–6	2A901	17		13–11	1–6	0–0								
	25	8	13–6	2A801	STR	*											
	24	8	24–2	2A802	STR												
	24	8	19–11	2A803	STR												
	54	8	12–0	2A804	17		10–6	1–6	0–0								
	53	6	11–7	2A601	STR												
	60	5	11–6	2A501	STR												
	55	5	5–0	2A502	STR												
	55	5	17–7	2A503	STR												
	54	5	6–8	2A504	17		2–4	2–0	2–4								
	36	5	11–7	2A505	STR												
	7	5	22–6	2A506	17		10–3	2–0	10–3								
	36	5	24–2	2A507	STR												
	36	5	18–6	2A508	STR												
	120	5	2–6	2A509	C1		2–6										
	120	5	2–6	2A510	C2		2–6										
	54	5	12–1	2A511	STR												

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	D
			WINGWALL NO. 1														
	16	10	11–6	1W1001	STR												
	13	9	9–6	1W901	17		1–6	8–0	0–0								
	24	8	15–7	1W801	STR												
	14	7	11–6	1W701	17		1–6	10–0	0–0								
	14	6	10–1	1W601	STR	*											
	16	5	11–6	1W501	STR												
	15	5	5–0	1W502	STR												
	15	5	16–5	1W503	STR												
	13	5	16–8	1W504	17		7–4	2–0	7–4								
	46	5	14–6	1W505	STR	▲											
	2	5	15–1	1W506	19		0–0	2–6	12–7				3–0		12–2		0–0
	14	5	11–7	1W507	STR												
	18	5	4–4	1W508	19		2–2	2–2					1–0		1–11		
	36	5	9–8	1W509	19		4–10	4–10					2–5		4–2		
	16	5	2–0	1W510	STR												
			WINGWALL NO. 2														
	26	10	11–6	2W1001	STR												
	23	9	9–6	2W901	17		1–6	8–0	0–0								
	24	8	25–4	2W801	STR												
	25	7	11–6	2W701	17	*	1–6	10–0	0–0								
	23	6	10–1	2W601	STR												
	26	5	11–6	2W501	STR												
	24	5	5–0	2W502	STR												
	24	5	16–5	2W503	STR												
	22	5	16–8	2W504	17		7–4	2–0	7–4								
	46	5	23–6	2W505	STR	▲											
	2	5	23–7	2W506	19		0–0	2–3	21–4				3–0		21–2		0–0
	24	5	11–7	2W507	STR												
	18	5	4–4	2W508	19		2–2	2–2					1–6		1–6		
	36	5	7–8	2W509	19		3–10	3–10					2–8		2–8		
			WINGWALL NO. 3														
	24	10	11–6	3W1001	STR												
	22	9	9–6	3W901	17		1–6	8–0	0–0								
	24	8	23–3	3W801	STR												
	23	7	11–6	3W701	17		1–6	10–0	0–0								
	22	6	10–1	3W601	STR												
	24	5	11–6	3W501	STR												
	25	5	5–0	3W502	STR	*											
	24	5	17–0	3W503	STR												
	21	5	16–6	3W504	17		7–3	2–0	7–3								
	46	5	22–9	3W505	STR	▲											
	2	5	23–0	3W506	19		0–0	2–9	20–3				2–3		20–2		0–0
	23	5	12–1	3W507	STR												
	18	5	4–4	3W508	19		2–2	2–2					0–9		2–0		
	36	5	13–6	3W509	19		6–9	6–9					2–3		6–4		
	16	5	2–0	3W510	STR												
			WINGWALL NO. 4														
	18	10	11–6	4W1001	STR												
	15	9	9–6	4W901	17		1–6	8–0	0–0								
	24	8	17–4	4W801	STR												
	16	7	11–6	4W701	17		1–6	10–0	0–0								
	15	6	10–1	4W601	STR												
	18	5	11–6	4W501	STR												
	17	5	5–0	4W502	STR	*											
	16	5	17–0	4W503	STR												
	16	5	16–6	4W504	17		7–3	2–0	7–3								
	46	5	15–6	4W505	STR	▲											
	2	5	15–3	4W506	19		0–0	2–0	13–3				2–3		13–2		0–0
	16	5	12–1	4W507	STR												
	18	5	4–4	4W508	19		2–2	2–2					1–6		1–6		
	36	5	7–8	4W509	19		3–10	3–10					2–8		2–8		

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 FIELD.
9. * ASTERISKS DENOTE EXTRA BARS ADDED FOR TESTING PURPOSES. (NUMBER OF ASTERISKS = NUMBER OF EXTRA BARS.)
10. "E" IN PREFIX DENOTES EPOXY COATED REINFORCING STEEL.



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

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of JOHNSON	Bridge No. 37
Highway No. VT RTE 15	Log Sta. / Surv. Sta.

VT RTE 15 OVER THE GIHON RIVER

REINFORCING STEEL SCHEDULE

Designed By R. RICARD	Drawn By D.DUGAL
Checked By S. BEAUMONT Date 11/06	CLD Project Manager J. BYATT 11/06
PROJECT JOHNSON	PROJECT NO. BRF 030–2(17)S
I.G.C. Info.	
Bridge Sheet No.	Sheet 69 of 85

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