ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
1	4	8	40-0	D801	STR												
2																	
3																	
4	85	5	40-0	S501	STR												
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
32																	
33																	
34																	
35																	
36																	
37																	
38																	
39																	
40																	

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
41																	
42																	
43																	
44																	
45																	
46																	
47																	
48																	
49																	
50																	
51																	
52																	
53																	
54																	
55																	
56																	
57																	
58																	
59																	
60																	

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

BRIDGE QUANTITY SHEET

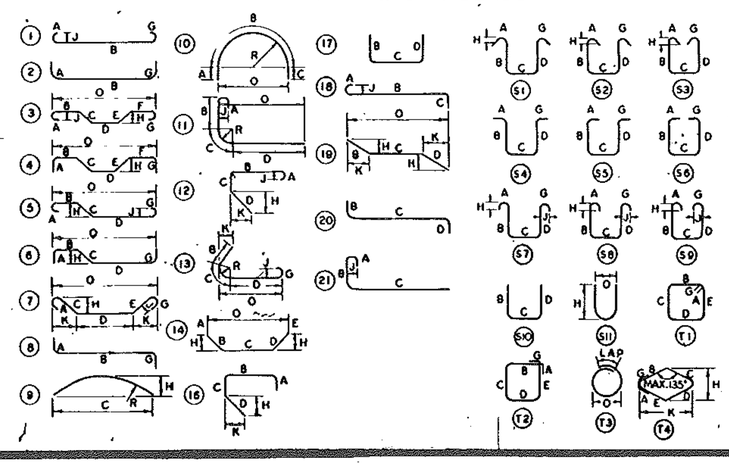
STATE OF VERMONT
AGENCY OF TRANSPORTATION
STRUCTURES DIVISION

NO.	ITEM	UNIT	QUANTITY BREAKDOWN: GRAVITY WALL	CHANNEL					TOTAL	FINAL
203.27	UNCLASSIFIED CHANNEL EXCAVATION	CY		120					120	
204.25	STRUCTURE EXCAVATION	CY	120						120	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY	90						90	
501.25	CONCRETE, CLASS B	CY	118						118	
507.15	REINFORCING STEEL	LB	3980						3980	
613.13	STONE FILL, TYPE IV	CY		330					330	

EARTHWORK

V.C.	% GRD	STATION	GRADES: ELEVATION ON TAN.	ELEVATION ON V.C.	CORR. V.C.	DIST.	CHANNEL EX. AREA	CHANNEL EX. CU. YDS.	STRUCTURE EX. AREA	STRUCTURE EX. CU. YDS.	STONE FILL TYPE IV AREA	STONE FILL TYPE IV CU. YDS.	GRANULAR BACKFILL FOR STRUCTURES AREA	GRANULAR BACKFILL FOR STRUCTURES CU. YDS.
		CHANNEL LINE												
		4+50	BUTT				197		38		96		15	
						10		50		16		36		6.5
		+60					75		48		100		20	
						10		19		18		47		11.1
		+70					28		50		154		40	
						10		10		21		55		16.7
		+80					24		63		143		50	
						10		7		26		57		21.3
		+90					14		80		163		65	
						10		10		26		58		18.5
		5+00					10		62		149		35	
						6		-		7		-		2.8
		+06							0				35	
						1		18		-		58		
		+10					56		0		163			
						6		6		-		18		
		+16					0		0		0			
								120		114		329		81.9
		ROUNDING						-		6		1		8.1
		TOTAL						120		120		330		90

TYPICAL BAR BENDS



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 615-51) GRADE 60, OR GRADE 40 AS NOTED.
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° AND 135° HOOKS.
5. "J" DIMENSION ON 180° 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° DIMENSIONS "H" AND "K" MUST BE SHOWN.

✳ DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.

REV. NO.	MADE BY	DATE	DESCRIPTION

STATE OF VERMONT
AGENCY OF TRANSPORTATION

TOWN OF FAIRFIELD	BRIDGE NO. 6
HIGHWAY NO. VT 36	LOG STA.
	SURV. STA.
BRIDGE QUANTITY SHEET 8	
REINFORCING STEEL SCHEDULE	
DESIGNED BY A. ELWOOD	DRAWN BY M. POLDERUTO
CHECKED BY A.W. ELWOOD DATE 9/84	BRIDGE DESIGN SUPERVISOR R.S. HAUPT DATE 9/84
PROJECT FAIRFIELD	PROJECT NO. ER 0298(4)S
BRIDGE SHEET NO.	SHEET 2 OF 9