

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O	ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
SUPERSTRUCTURE																		WINGWALL #2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
1																		21																41																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
2	20	5	22'-6	S501	STR													22	13	5	3'-6	2W501	STR												42																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
3																		23	8	5	14'-0	2W502	STR	▲										43																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
4*	48	6	4'-5	S601	STR													24																44																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
5																		25	13	5	8'-4	2W503	17	▲	3-9	0-10	3-9							45																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
6*	48	8	4'-0	S801	STR													26																46																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
7	12	8	3'-10	S802	STR													27																47																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
8																		28																48																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
9*	47	5	7'-7	S502	S6	0-6	1-1	4-5	1-1									29	11	5	3'-6	3W501	STR											49																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
10	23	5	9'-4	S503	S5	0-6	3-10	0-8	3-10									30	10	5	12'-0	3W502	STR	▲										50																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
11	23	5	8'-2	S504	S5	0-6	3-3	0-8	3-3									31																51																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									</

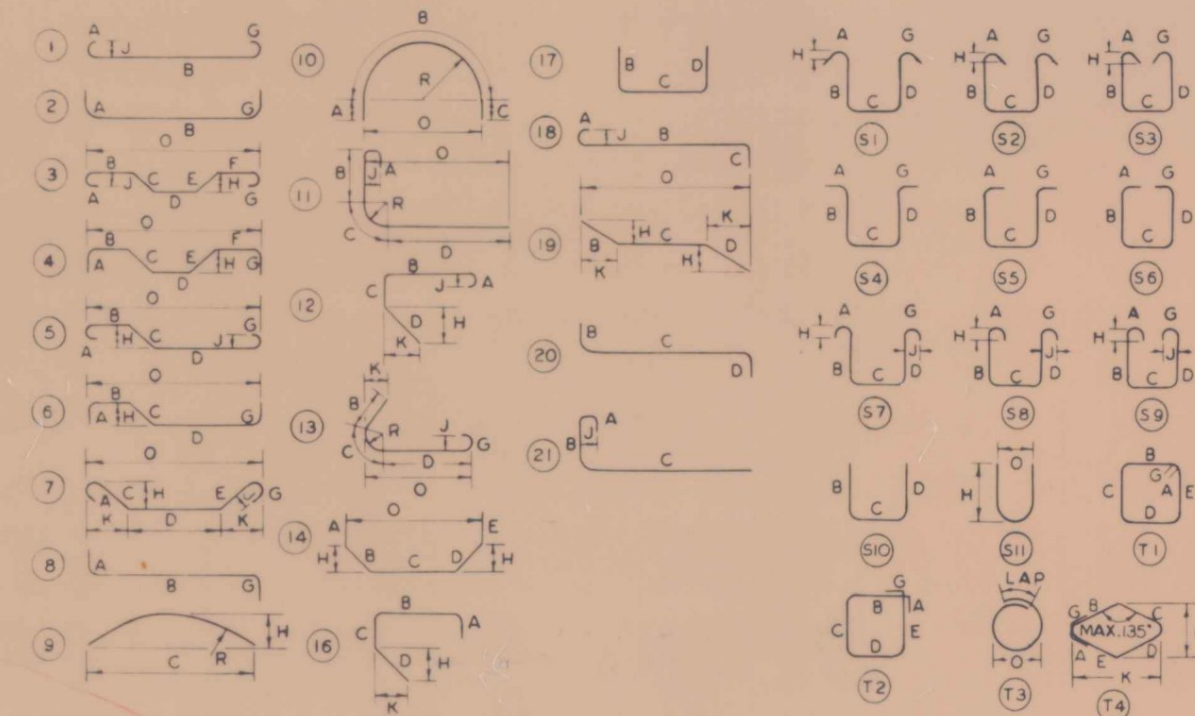
ASTM STANDARD REINFORCING BARS				
BAR SIZE DESIG- NATION	WEIGHT POUNDS PER FOOT	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER INCHES	GROSS SEC- TIONAL AREA SQ. INCHES	PERIMETER INCHES
#3	.376	.375	.11	1.178
#4	.668	.500	.20	1.571
#5	1.043	.625	.31	1.963
#6	1.502	.750	.44	2.356
#7	2.044	.875	.60	2.749
#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				TOTAL	FINAL
			SUPER- STRUCTURE	ABUT. #1	ABUT. #2			
204.25	STRUCTURE EXCAVATION	CY		10	10		20	
204.30	GRANULAR BACKFILL FOR STRUCTURES	CY		10	10		20	
301.15	SUBBASE OF GRAVEL	CY	20				20	
406.25	BITUMINOUS CONCRETE PAVEMENT	TON	4				4	
501.25	CONCRETE, CLASS B ★	CY	20	6	5		31	
507.15	REINFORCING STEEL	LB.	3,920	540	480		4,940	
507.16	DRILLING AND GROUTING DOWELS	LF	92	48	42		182	
514.10	WATER REPELLENT	GAL.	2	5	4		11	
525.41	BRIDGE RAILING-HEAVY DUTY STEEL BEAM/FASCIA MOUNTED	LF	63				63	
527.10	MAINTENANCE OF TRAFFIC FOR BRIDGE PROJECTS	LS	1				1	
529.20	PARTIAL REMOVAL OF STRUCTURE	EA	1				1	
530.25	EPOXY BONDING COMPOUND	GAL	3	2	2		7	
621.90	TEMPORARY TRAFFIC BARRIER	LF	60				60	
★ AN ESTIMATED 1 CY OF CONCRETE, CLASS B HAS BEEN ADDED FOR PATCHING ABUTMENTS. SEE NOTE 5 FOR DETAILS.								

TYPICAL BAR BENDS



NOTES

- 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) GRADE 60.
- 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."
- BARS WHICH REQUIRE MORE ACCURATE BENDING THAN STANDARD PRACTICES SHOULD HAVE LIMITS INDICATED.
- ALL DIMENSIONS ARE OUT TO OUT OF BAR EXCEPT "A" AND "G" ON STANDARD 180° AND 135° HOOKS.
- "J" DIMENSION ON 180° HOOKS TO BE SHOWN ONLY WHERE NECESSARY TO RESTRICT HOOK SIZE, OTHERWISE STANDARD HOOKS ARE TO BE USED.
- "H" DIMENSION ON STIRRUPS TO BE SHOWN ONLY WHEN NECESSARY TO MAINTAIN CLEARANCES.
- WHERE SLOPE DIFFERS FROM 45° DIMENSIONS "H" AND "K" MUST BE SHOWN.

- ▲ DENOTES BARS TO BE CUT TO FIT IN FIELD
 * DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
 ** DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.

REV NO.	MADE BY	DATE	DESCRIPTION

STATE OF VERMONT AGENCY OF TRANSPORTATION	
TOWN OF WOLCOTT	BRIDGE NO 48
HIGHWAY NO VT. RTE. 15	LOG STA 33+42
BRIDGE QUANTITY SHEET 8	
REINFORCING STEEL SCHEDULE	
DESIGNED BY T.H. LACKEY	DRAWN BY C.P. WILLIAMS
CHECKED BY T.H. LACKEY	BRIDGE DESIGN SUPERVISOR
DATE 6-86	F.V. Boikum DATE 6/86
PROJECT MORRISTOWN-WOLCOTT	PROJECT NO. F 030-2(16)
BRIDGE SHEET NO BRI04	SHEET 22 OF 108