STATE OF VERMONT
AGENCY OF TRANSPORTATION

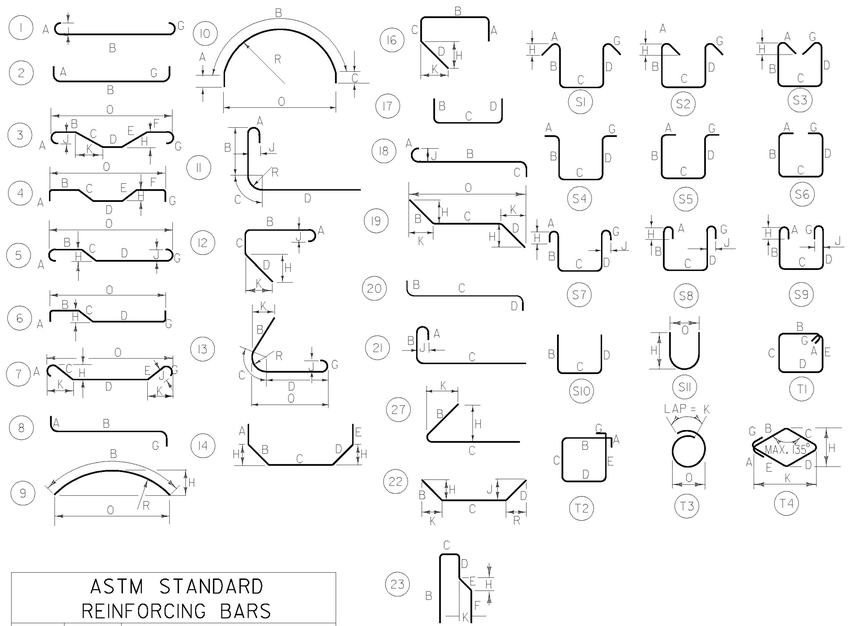
REINFORCING STEEL SCHEDULE

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
			PIER #1														
	12	5	23'-8"	1P501	STR.												
	220	5	7'-2"	1P502	17		2'-5"	2'-4"	2'-5"								
*	6	5	8'-5"	1P503	STR.												
	15	5	10'-10"	1P504	STR.												
*	6	5	7'-1"	1P505	STR.												
	46	5	7'-4"	1P506	17		2'-0"	3'-4"	2'-0"								
	7	9	30'-9"	1P901	STR.												
△	9	9	18'-9"	1P902	STR.												
	14	9	27'-11"	1P903	17		2'-9"	25'-2"									
			PIER #2														
	12	5	25'-8"	2P501	STR.												
	248	5	7'-2"	2P502	17		2'-5"	2'-4"	2'-5"								
	5	5	9'-4"	2P503	STR.												
	15	5	11'-6"	2P504	STR.												
	5	5	8'-2"	2P505	STR.												
	49	5	7'-4"	2P506	17		2'-0"	3'-4"	2'-0"								
	7	9	33'-3"	2P901	STR.												
	7	9	20'-3"	2P902	STR.												
	14	9	29'-11"	2P903	17		2'-9"	27'-2"									
			PIER #3														
	12	5	27'-8"	3P501	STR.												
	260	5	7'-2"	3P502	17		2'-5"	2'-4"	2'-5"								
	5	5	9'-8"	3P503	STR.												
	15	5	12'-9"	3P504	STR.												
	5	5	8'-1"	3P505	STR.												
	54	5	7'-4"	3P506	17		2'-0"	3'-4"	2'-0"								
	7	9	35'-10"	3P901	STR.												
	7	9	21'-8"	3P902	STR.												
	14	9	31'-11"	3P903	17		2'-9"	29'-2"									

ITEM	NO. PIECES	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O

~ 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 "SPECIFICATION FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31 (ASTM A 615-91). 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. * DENOTES ONE EXTRA BAR ADDED FOR TESTING PURPOSES.
10. △ DENOTES TWO EXTRA BARS ADDED FOR TESTING PURPOSES.
11. "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

Stantec

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of PUTNEY	Bridge No. 19A
Highway No.	Log Sta.
	Surv. Sta.

U.S. ROUTE 5 OVER I-91

REINFORCING STEEL SCHEDULE

Designed By T. KNIGHT	Drawn By R. WALKER
Checked By D. HARRINGTON Date 07/09	Bridge Design Supervisor G. BOGUE Date 06/09
PROJECT PUTNEY	PROJECT NO. IM 091-1(31)
CAD Dwg: ...\Plot Files\48 z93a148rss.ptf	Plot Date: 7/8/2009
Bridge Sheet No.	Sheet 48 of 75