STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

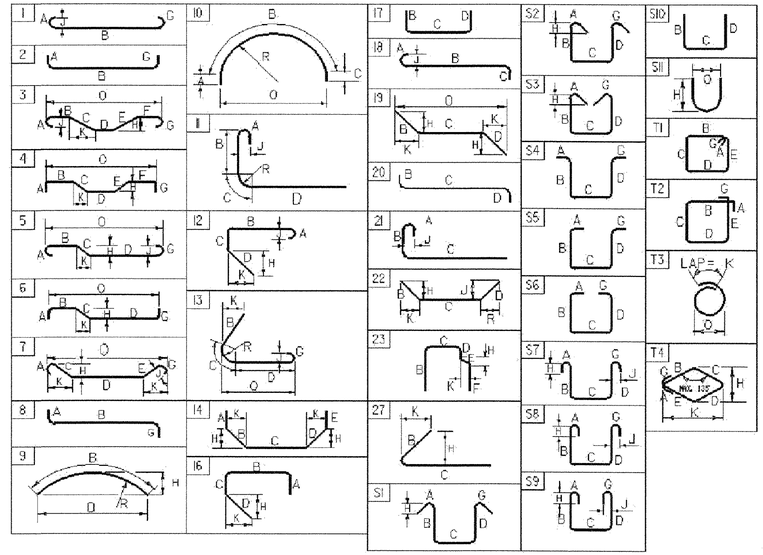
Metric

	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
DECK																	
	186	16	9420	ES1601	STR												
▲	192	16	5040	ES1605	STR												
⧺	180	16	5040	ES1602	1	180	5040					---					
	182	16	1510	ES1603	S5	300	335	240	335			300					
	22	16	3196	ES1604	S5	450	1153	170	973			450					
ABUTMENT #1																	
	18	16	7085	1A1601	STR												
	22	16	2720	1A1602	17		1540	1180	---								
	22	16	1340	1A1603	S10		450	440	450								
⧺	43	16	2050	1A1604	STR												
	16	16	2895	1A1605A	STR												
	16	16	3930	1A1605B	STR												
	8	16	1320	1A1606	17		660	660	---								
	10	16	1630	1A1607	19		660	970	---				640		170		1140
	7	16	3290	1A1608	STR												
	8	16	1320	1A1609	19		660	660	---				640		170		830
	8	16	3525	1A1610	22		660	2205	660				400		525		
	8	16	3520	1A1611	22		660	2200	660				400		525		
(NOT USED)				1A1612													
	5	16	1335	1A1613	19		660	675	---				640		170		840
⧺	26	22	2300	1A2201	STR												
	22	22	2380	1A2202	17		1180	1200	---								
⧺	60	25	900	1A2501	STR												
WINGWALL #1																	
▲	12	16	2940	1W1601	STR												
	16	16	2270	1W1602	STR												
⧺	8	16	1180	1W1603	STR												
	14	16	2765	1W1604	STR												
	7	16	1610	1EW1605	S10		660	290	660								
	4	16	1810	1EW1606	STR												
	10	16	1670	1W1607	STR												
	14	16	1225	1W1608	STR												
	11	22	2210	1W2201	STR												
	7	22	2980	1W2202	S10		1940	1040	---								
WINGWALL #2																	
▲	12	16	4450	2W1601	STR												
	24	16	3335	2W1602	STR												
	12	16	1180	2W1603	STR												
	23	16	2765	2W1604	STR												
	11	16	1610	2W1605	S10		660	290	660								
	2	16	3650	2W1606	16	---	---	1025	2625				2615		215		
▲	23	16	1185	2W1607	STR												
⧺	16	22	2150	2W2201	STR												
	11	22	2990	2W2202	S10		1940	1050	---								
ABUTMENT #2																	
	18	16	9090	2A1601	STR												
	32	16	3320	2A1602	17		1700	1620	---								
	24	16	1340	2A1603	S10		450	440	450								
NOT USED				2A1604													
	10	16	5158	2A1605A	STR												
	10	16	3045	2A1605B	STR												
NOT USED				2A1606													
▲	20	16	1750	2A1607	17		660	1090	---								
	16	16	2420	2A1608	STR												
	10	16	3265	2A1609	22		660	1945	660				465		465		
	10	16	1320	2A1610	17		660	660	---								
	10	16	1460	2A1611	17		660	800	---								
⧺	31	22	2300	2A2201	STR												
	32	22	2900	2A2202	17		1700	1200	---								
⧺	66	25	900	2A2501	STR												
WINGWALL #3																	
▲	13	16	3585	3W1601	STR												
	18	16	2825	3W1602	STR												
	10	16	1180	3W1603	STR												
⧺	20	16	1895	3W1604	STR												
	9	16	1350	3W1605	S10		530	290	530								
	19	16	1190	3W1606	STR												
⧺	10	19	2230	3W1901	17		1180	1050	---								
⧺	6	22	2150	3W2201	STR												

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
WINGWALL #4																	
▲	13	16	3585	4W1601	STR												
	18	16	2825	4W1602	STR												
	10	16	1180	4W1603	STR												
⧺	20	16	1895	4W1604	STR												
	9	16	1350	4W1605	S10		530	290	530								
	19	16	1190	4W1606	STR												
	9	19	2230	4W1901	17		1180	1050	---								
	5	22	2150	4W2201	STR												

~ NOTES ~

1. UNLESS OTHERWISE DESIGNATED, ALL BAR REINFORCEMENT FOR CONCRETE IN SIZES UP TO AND INCLUDING 55M SHALL CONFORM TO THE REQUIREMENTS OF THE "SPECIFICATIONS FOR DEFORMED BILLET-STEEL BARS FOR CONCRETE REINFORCEMENT", AASHTO M 31M (ASTM A 615M-SI). ALL BARS SHALL BE GRADE 420, 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	NOMINAL MASS (Kg/m)	NOMINAL DIMENSIONS ROUND SECTION		
		DIAMETER (mm)	CROSS SECTIONAL AREA (mm^2)	PERIMETER (mm)
#10	0.560	9.5	71	29.84
#13	0.994	12.7	129	39.90
#16	1.552	15.9	199	49.95
#19	2.235	19.1	284	60.00
#22	3.042	22.2	387	69.74
#25	3.973	25.4	510	79.80
#29	5.060	28.7	645	90.16
#32	6.404	32.3	819	101.47
#36	7.907	35.8	1006	112.47
#43	11.380	43.0	1452	135.09
#57	20.240	57.3	2581	180.01

PROJECT NAME: MONTGOMERY
PROJECT NUMBER: BRO 1448(20)

FILE NAME: /TransFANS/94j124/sj124rss.xl
PROJECT LEADER: R. WHITCOMB
DESIGNED BY: C. CARLSON
REINFORCING STEEL SCHEDULE SHEET

PLOT DATE: 10/27/2005
DRAWN BY: J.GILMORE
CHECKED BY: C. CARLSON
SHEET 34 OF 50