STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

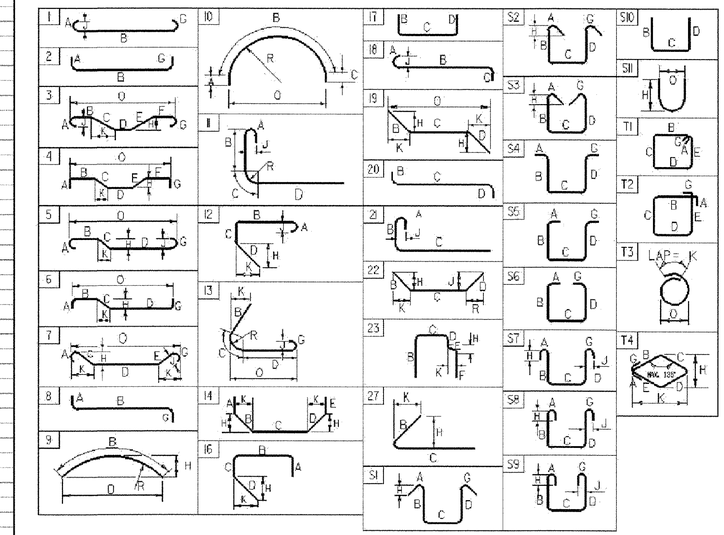
Metric

	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
SLAB																	
	10	16	8590	ES1601	STR												
✳	41	16	7440	ES1602	STR												
▲	8	16	8590	ES1603	STR												
	58	16	2720	ES1604	S6	450	300	1220	300			450					
	58	16	2200	ES1605	S5	450	530	240	530			450					
✳	52	29	8965	ES2901	1	375	8590					---		300			
ABUTMENT #1																	
	9	16	7440	1A1601	STR												
	9	16	11740	1A1602	STR												
	26	16	2260	1A1603	STR												
▲	32	16	4000	1A1604	STR												
	28	16	7380	1A1605	STR												
	6	16	1380	1A1612	STR												
	6	16	2980	1A1613	STR												
	8	16	4720	1A1614	STR												
	26	16	3220	1A1615	STR												
✳	38	19	2590	1A1901	STR												
	13	25	1180	1AE2501	STR												
	6	16	1440	1A1606	17		780	660	---								
	34	16	3070	1A1607	17		1380	1690	---								
	32	16	1610	1A1608	S10		660	290	660								
	26	16	3055	1A1609	22	---	660	1735	660	---							
	26	16	1320	1A1610	17		660	660	---								
	12	16	1690	1A1611	17		1030	660	---								
	32	22	4310	1A2201	17		3120	1190	---								
✳	32	22	3210	1A2202	17		2020	1190	---								
WINGWALL #1																	
	16	16	9690	1W1601	STR												
	30	16	1380	1W1603	STR												
▲	30	16	5260	1W1604	STR												
▲	34	16	6670	1W1605	STR												
	32	16	2780	1W1606	STR												
	2	16	8130	1W1607	STR												
	29	19	3460	1W1901	STR												
	56	22	2990	1W2201	STR												
	29	16	1610	1W1602	S10		660	290	660								
✳	30	25	4510	1W2501	17		3320	1190	---								
	28	29	3580	1W2901	17		2390	1190	---								
WINGWALL #2																	
	16	16	9690	2W1601	STR												
✳	31	16	1380	2W1603	STR												
▲	30	16	5260	2W1604	STR												
▲	34	16	7330	2W1605	STR												
	32	16	2120	2W1606	STR												
	2	16	8130	2W1607	19												
	29	19	3460	2W1901	STR												
	56	22	2990	2W2201	STR												
	29	16	1610	2W1602	S10		660	290	660								
	29	25	4510	2W2501	17		3320	1190	---								
✳	29	29	3580	2W2901	17		2390	1190	---								

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT #2																	
	9	16	7440	2A1601	STR												
	9	16	11740	2A1602	STR												
✳	27	16	1630	2A1603	STR												
▲	32	16	3370	2A1604	STR												
	22	16	7380	2A1605	STR												
	6	16	1380	2A1612	STR												
	6	16	2290	2A1613	STR												
	8	16	4030	2A1614	STR												
	22	16	3220	2A1615	STR												
	37	19	2590	2A1901	STR												
	13	25	1180	2AE2501	STR												
	6	16	1440	2A1606	17		780	660	---								
	34	16	3070	2A1607	17		1380	1690	---								
	32	16	1610	2A1608	S10		660	290	660								
	22	16	3055	2A1609	22		660	1735	660								
	22	16	1320	2A1610	17		660	660	---								
	12	16	1690	2A1611	17		1030	660	---								
✳	33	22	4310	2A2201	17		3120	1190	---								
	31	22	3210	2A2202	17		2020	1190	---								
WINGWALL #3																	
	16	16	5790	3W1601	STR												
	17	16	1380	3W1603	STR												
▲	17	16	4030	3W1604	STR												
	26	16	4890	3W1605	STR												
				3W1606	(NOT USED)												
✳	17	19	2230	3W1901	STR												
	30	22	2990	3W2201	STR												
	16	16	1610	3W1602	S10		660	290	660								
	2	16	4890	3W1607	19		670	4220	---				40		660		
	16	25	4510	3W2501	17		3320	1190	---								
✳	16	29	3580	3W2901	17		2390	1190	---								
WINGWALL #4																	
	16	16	5790	4W1601	STR												
	17	16	1380	4W1603	STR												
▲	17	16	4030	4W1604	STR												
	26	16	2780	4W1605	STR												
	24	16	2770	4W1606	STR												
	16	19	2230	4W1901	STR												
	30	22	2990	4W2201	STR												
	16	16	1610	4W1602	S10		660	290	660								
	2	16	4900	4W1607	19		670	4230	---				60	---	660		
✳	17	25	4510	4W2501	17		3320	1190	---								
	15	29	3580	4W2901	17		2390	1190	---								

~ 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 (mm²)	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: **WESTFORD**
PROJECT NUMBER: **TH2 9436**

FILE NAME: \94j122\Structures\sj122rss.xls
PROJECT LEADER: R. R. WHITCOMB
DESIGNED BY: C. CARLSON
REINFORCING STEEL SCHEDULE SHEET

PLOT DATE: 03/02/2005
DRAWN BY: T. HUSK
CHECKED BY: C. CARLSON
SHEET 39 OF 56