STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

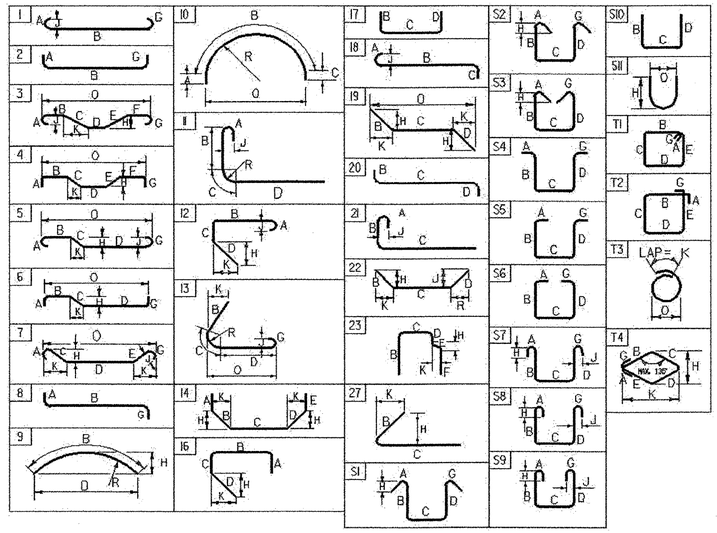
Metric

	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
SLAB																	
*	29	16	7460	ES1601	STR												
	14	16	7840	ES1603	STR												
	56	16	3000	ES1602	S6	300	300	1800	300			300					
*	52	25	8000	ES2501	1	240	7760					---					
ABUTMENT #1																	
	15	16	10520	1A1601	STR												
	4	16	1190	1A1602	STR												
	37	16	1180	1A1603	STR												
	26	16	4690	1A1605	STR												
▲	29	16	3870	1A1606	STR												
*	27	16	2240	1A1607	STR												
	6	16	2900	1A1611	STR												
▲	8	16	4530	1A1612	STR												
	28	16	5220	1A1615	STR												
	39	22	2590	1A2201	STR												
	14	25	1000	1AE2501	STR												
▲	42	16	1600	1A1604	19		660	940	---								
	32	16	1640	1A1608	S10		660	320	660								
	12	16	3180	1A1609	22		660	1860	660				420	420	510	510	
	13	16	1320	1A1610	19		660	660	---				650		115		
▲	6	16	1720	1A1613	19		660	1060	---				110		650		
▲	6	16	1860	1A1614	19		660	1200	---								
	31	22	2120	1A2202	17		380	1740	---								
	32	22	3930	1A2203	17		1120	2810	---								
WINGWALL #1																	
▲	18	16	3660	1W1601	STR												
	13	16	1180	1W1602	STR												
▲	13	16	4530	1W1603	STR												
▲	30	16	3520	1W1604	STR												
	13	16	2950	1W1605	STR												
▲	14	25	3090	1W2501	STR												
	13	16	1640	1W1606	S10		660	320	660								
	2	16	3525	1W1607	19		690	2835	---				60		685		
	16	22	4470	1W2201	17		1320	3150	---								
*	13	25	2430	1W2502	17		430	2000	---								
WINGWALL #2																	
	18	16	4450	2W1601	STR												
	14	16	1180	2W1602	STR												
▲	14	16	4210	2W1603	STR												
▲	28	16	3820	2W1604	STR												
	13	16	2630	2W1605	STR												
	16	25	3090	2W2501	STR												
	13	16	1640	2W1606	S10		660	320	660								
	2	16	3830	2W1607	19		900	2930	---				60		895		
*	18	22	4470	2W2201	17		1320	3150									
*	13	25	2430	2W2502	17		430	2000									
ABUTMENT #2																	
▲	15	16	10430	2A1601	STR												
	4	16	1190	2A1602	STR												
	36	16	1180	2A1603	STR												
	28	16	5220	2A1605	STR												
▲	29	16	4015	2A1606	STR												
	26	16	2390	2A1607	STR												
	6	16	3040	2A1611	STR												
▲	7	16	4670	2A1612	STR												
	26	16	5040	2A1615	STR												
*	39	22	2590	2A2201	STR												
	14	25	1000	2AE2501	STR												
▲	42	16	1600	2A1604	19		660	940	---								---
	34	16	1640	2A1608	S10		660	320	660								
	12	16	3260	2A1609	22		660	1940	660				400	400	524	524	
	13	16	1320	2A1610	19		660	660	---				640		170		---
▲	6	16	1780	2A1613	19		660	1120	---								---
▲	6	16	1680	2A1614	19		660	1020	---				640		170		---
	31	22	2120	2A2202	17		380	1740									
	32	22	3930	2A2203	17		1120	2810									

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
WINGWALL #3																	
▲	18	16	3200	3W1601	STR												
	12	16	1180	3W1602	STR												
* ▲	13	16	4670	3W1603	STR												
▲	32	16	3025	3W1604	STR												
	11	16	3090	3W1605	STR												
	12	25	3090	3W2501	STR												
	11	16	1640	3W1606	S10		660	320	660								
	2	16	3030	3W1607	19		700	2330						115		690	
	11	22	4470	3W2201	17		1320	3150	---								
	11	25	2430	3W2502	17		430	2000	---								
WINGWALL #4																	
	18	16	9750	4W1601	STR												
	32	16	1180	4W1602	STR												
▲	32	16	4370	4W1603	STR												
	26	16	5920	4W1604	STR												
	32	16	2790	4W1605	STR												
	26	16	3930	4W1607	STR												
	4	16	9180	4W1608	STR												
	34	25	3090	4W2501	STR												
	32	16	1800	4W1606	S10		740	320	740								
*	32	22	4470	4W2201	17		1320	3150	---								
	30	25	2430	4W2502	17		430	2000	---								

~ 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: **STAMFORD**
PROJECT NUMBER: **TH 3 9411**

FILE NAME: **TransFANS/94j072/sj072rss.xl**
PROJECT LEADER: **G.S. ROGERS**
DESIGNED BY: **C. MEUNIER**
REINFORCING STEEL SCHEDULE

PLOT DATE: **10/16/2003**
DRAWN BY: **J. GILMORE**
CHECKED BY: **D. BONNEAU**
SHEET **30** OF **38**