STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

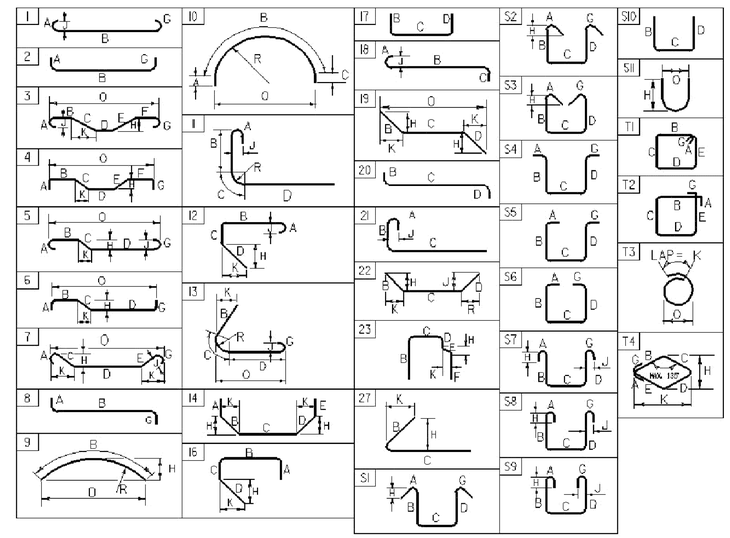
Metric

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	SUPERSTRUCTURE																
✳	193	16	7830	S1601	STR												
	200	16	6840	S1602	STR												
	196	16	2050	S1603	S5	660	285	215	230			660					
	140	16	1820	S1604	22		660	490	670								
✳	141	16	2550	S1605	17		1100	1450	---								
△	22	19	9670	S1901	STR												
	ABUTMENT #1																
✳	197	16	2010	1A1601	STR												
	136	16	970	1A1602	17		150	670	150								
	10	16	2890	1A1603	17		1110	670	1110								
▲	18	16	1320	1A1604	19		660	660					640		180		
▲	18	16	1320	1A1605	27		660	660					640		180		
△	12	19	9670	1A1901	STR												
	WINGWALL #1																
✳ ▲	17	16	2385	1W1601	STR												
▲	18	16	2240	1W1602	STR												
	7	16	1640	1W1603	17		660	320	660								
	WINGWALL #2																
▲	15	16	2410	2W1601	STR												
▲	18	16	2240	2W1602	STR												
	6	16	1640	2W1603	17		660	320	660								
	ABUTMENT #2																
✳	197	16	2010	2A1601	STR												
	136	16	970	2A1602	17		150	670	150								
	10	16	2950	2A1603	17		1140	670	1140								
▲	18	16	1320	2A1604	19		660	660					640		180		
▲	18	16	1320	2A1605	27		660	660					640		180		
△	12	19	9670	2A1901	STR												
	WINGWALL #3																
▲	15	16	2430	3W1601	STR												
▲	18	16	2240	3W1602	STR												
	6	16	1640	3W1603	17		660	320	660								
	WINGWALL #4																
✳ ▲	17	16	2410	4W1601	STR												
▲	18	16	2240	4W1602	STR												
	7	16	1640	4W1603	17		660	320	660								

ITEM	EACH	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 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.



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: **CORINTH**
PROJECT NUMBER: **STP BRO 1447 (22) (RE-ADVERTISED)**

FILE NAME: **sj042excel.dgn** PLOT DATE: **2/28/2008**
PROJECT MANAGER: **C.P. WILLIAMS** DRAWN BY: **J. WHITE**
DESIGNED BY: **H.I.SALLS** CHECKED BY: **R.S.YOUNG**
REINFORCING STEEL SCHEDULE SHEET #1 SHEET 27 OF 42