STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

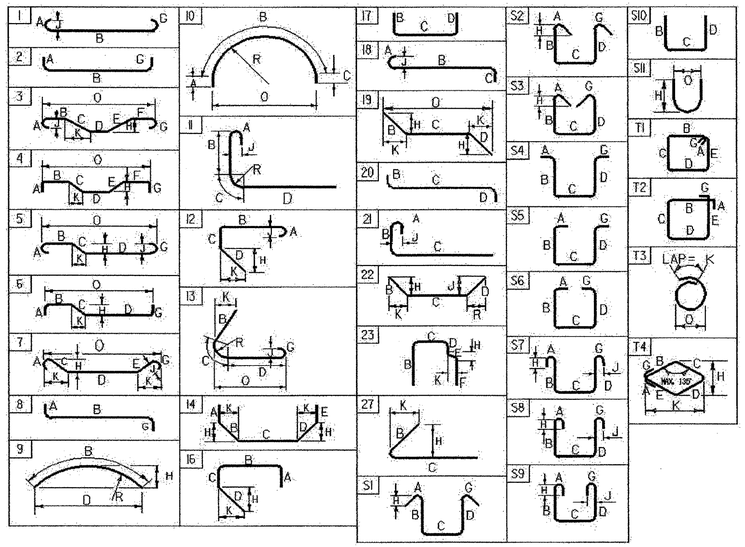
Metric

	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
SUPER STRUCTURE																	
✳	345	16	10740	ES1601	STR												
	466	16	10350	ES1602	STR												
▲ ✳	11	16	11970	ES1603	STR												
	28	16	3050	ES1604	S6	1610	290	950	200			---					
	374	16	2175	ES1605	S5	300	390	430	320			735					
	28	16	2050	ES1606	S6	1110	290	450	200			---					
APPROACH SLAB #1																	
	16	16	5850	1EAS1601	STR												
	22	16	11960	1EAS1602	STR												
▲	60	16	2120	1EAS1603	S5	---	540	430	490			660					
▲ ✳	43	16	1150	1EAS1604	8	---	900					250					
✳	41	29	6515	1EAS2901	1	380	5850					---		285			
APPROACH SLAB #2																	
	16	16	5850	2EAS1601	STR												
	22	16	11960	2EAS1602	STR												
	4	22	2000	2EAS2201	STR												
▲	60	16	2120	2EAS1603	S5	---	540	430	490			660					
▲ ✳	43	16	1150	2EAS1604	8	---	900					250					
✳	41	29	6515	2EAS2901	1	380	5850					---		285			
BASE SLAB #1																	
	42	16	7400	1EBS1601	STR												
✳	51	16	2080	1EBS1602	STR												
	50	16	2620	1EBS1603	8	---	2370					250					
	68	16	2140	1EBS1604	S5	---	540	430	510			660					
BASE SLAB #3																	
▲	21	16	8850	3EBS1601	STR												
✳	31	16	2080	3EBS1602	STR												
	30	16	2620	3EBS1603	8	---	2370					250					
▲	42	16	2140	3EBS1604	S5	---	540	430	510			660					
BASE SLAB #4																	
▲	105	16	8230	4EBS1601	STR												
	126	16	2080	4EBS1602	STR												
✳	127	16	2620	4EBS1603	8	---	2370					250					
	171	16	2140	4EBS1604	S5	---	540	430	510			660					
COPING - ABUTMENT#1																	
✳	11	13	5850	1EC1301	STR												
	36	13	960	1EC1302	S10		370	140	450								
	5	13	2525	1EC1303	22		750	750	---				650		375	---	
	5	13	1280	1EC1304	17		640	640	---								
COPING - ABUTMENT#2																	
✳	11	13	5850	2EC1301	STR												
	36	13	960	2EC1302	S10		370	140	450								
	5	13	2525	2EC1303	22		750	750	---				650	---	375	---	
	5	13	1280	2EC1304	17		640	640	---								

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
ABUTMENT #1																	
	46	16	6320	1A1601	STR												
▲	128	16	2050	1A1602	STR												
✳	83	16	1590	1A1604	STR												
▲	41	16	4030	1A1603	S10		1380	1270	1380								
	16	16	6770	1A1605	17		450	6320	---								
	8	16	7600	1A1606	22		---	6320	540					---	470	---	270
	8	16	7600	1A1607	27		540	6320						470		270	
	41	16	3870	1A1608	23		1550	170	150	300	1400			---		300	
✳	19	25	1540	1EA2501	22		450	450	---					320	---	320	---
ABUTMENT #2																	
▲	52	16	6320	2A1601	STR												
▲	128	16	2150	2A1602	STR												
✳	83	16	1580	2A1604	STR												
▲	41	16	3910	2A1603	S10		1270	1370	1270								
	16	16	6770	2A1605	17		450	6320	---								
	7	16	7600	2A1606	22		---	6320	540					---	470	---	270
	7	16	7600	2A1607	27		540	6320						470		270	
	41	16	3770	2A1608	S10		1600	570	1600								
	41	16	1910	2A1609	S10		830	250	830								
	4	16	1350	2A1610	S10		450	450	450								
✳	19	25	1540	2EA2501	22		450	450	---					320	---	320	---

~ 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:	BARTON
PROJECT NUMBER:	STP 0113 (58)S
FILE NAME:	sc116rss.xls
PROJECT LEADER:	C.P.WILLIAMS
DESIGNED BY:	W.B. SYMONDS
REINFORCING STEEL SCHEDULE SHEET	
PLOT DATE:	11/7/01
DRAWN BY:	T.G. ANDERSON
CHECKED BY:	W.B. SYMONDS
SHEET	81 OF 120