STATE OF VERMONT
AGENCY OF TRANSPORTATION

REINFORCING STEEL SCHEDULE

NOT Metric

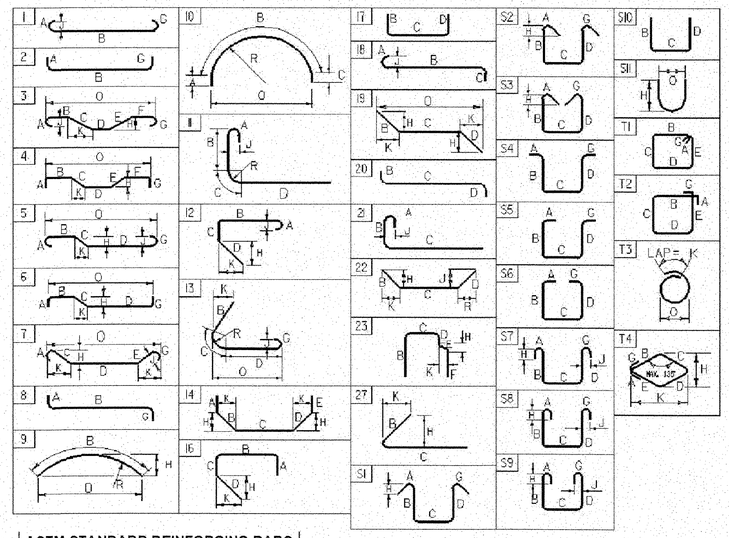
	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O
	DECK																
	278	16	10940	S1602	STR												
♦	17	16	5710	S1604	STR												
	192	16	2010	S1601	S5	450	380	440	290			450					
	68	16	1310	S1603	16	300	300	185	525				370		370		
▲	16	16	3130	S1606	S10		1265	600	1265								
)	198	19	10700	S1901	STR												
	40	25	7160	S2501	STR												
▲	74	25	2930	S2502	S10		1210	1720	---								
	74	25	1995	S2503	22		740	515	740				525	525	525	525	
	34	25	750	S2504	22		450	300	---				295	---	25	---	
	APPROACH SLAB #1																
	20	16	10040	1AS1601	STR												
♦	43	29	6215	1AS2901	1	375	5840					---		300			
	APPROACH SLAB #2																
	20	16	10040	2AS1601	STR												
♦	43	29	6215	2AS2901	1	375	5840					---		300			
	ABUTMENT #1																
	220	16	920	1A1601	17		160	600	160								
	NOT USED			1A1602													
	48	16	1320	1A1603	S10		660	660	---								
	260	22	2880	1A2201	STR												
♦	29	25	7160	1A2501	STR												
	WINGWALL #1																
▲	24	16	2840	1W1601	STR												
▲	20	16	2945	1W1602	STR												
	10	16	1620	1W1603	S10		660	300	660								
	WINGWALL #2																
▲	24	16	2840	2W1601	STR												
♦ ▲	21	16	3335	2W1602	STR												
	10	16	1620	2W1603	S10		660	300	660								
	ABUTMENT #2																
	220	16	920	2A1601	17		160	600	160								
	NOT USED			2A1602													
	48	16	1320	2A1603	S10		660	660	---								
♦	262	22	2765	2A2201	STR												
	28	25	7160	2A2501	STR												
	WINGWALL #3																
▲	24	16	2840	3W1601	STR												
▲	20	16	2930	3W1602	STR												
	10	16	1620	3W1603	S10		660	300	660								
	WINGWALL #4																
▲	24	16	2840	4W1601	STR												
♦ ▲	21	16	3180	4W1602	STR												
	10	16	1620	4W1603	S10		660	300	660								

ITEM	EACH	SIZE	LENGTH	MARK	TYPE	A	B	C	D	E	F	G	H	J	K	R	O

ALL REINFORCING STEEL IS EPOXY COATED.

~ 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: **DUXBURY**
PROJECT NUMBER: **STP 013-4(24)**

FILE NAME: **PW/86e059/se059rss.xls**
PROJECT LEADER: **C. KELLER**
DESIGNED BY: **B. NYQUEST**
REINFORCING STEEL SCHEDULE

PLOT DATE: **7/16/2004**
DRAWN BY: **STR5**
CHECKED BY: **T. SUMNER**
SHEET **42** OF **62**