



MARK-II SECTIONS

Super-T (Open Top) - Composite Section Properties								T=200
Deck Thickness T=200mm		F'c(sl)=40MPa		F'c(pc)=50MPa		m=0.894		
T1 750	Flange (B)	(mm)	1800	2000	2100	2200	2400	2500
	Overall (D)	mm	950	950	950	950	950	950
	Precast (d)	mm	750	750	750	750	750	750
	Area	mm ²	734,802	785,579	810,967	836,356	887,133	912,522
	Ix	mm ⁴	78,110E+6	81,690E+6	83,290E+6	84,890E+6	87,570E+6	89,080E+6
	yb	mm	548	565	572	579	593	599
	Zt(deck)	mm ³	194.200E+6	212.000E+6	220.600E+6	229.100E+6	245.300E+6	253.500E+6
	Zt(pc)	mm ³	386.200E+6	440.700E+6	469.200E+6	497.700E+6	557.800E+6	588.400E+6
	Zb(pc)	mm ³	142.600E+6	144.700E+6	145.500E+6	146.500E+6	147.700E+6	148.800E+6
	Soffit (b)	mm	900	900	900	900	900	900
	Web (t)	mm	100	100	100	100	100	100
Mass	T/m	1.910	2.043	2.109	2.175	2.307	2.373	
T2 1000	Flange (B)	(mm)	1800	2000	2100	2200	2400	2500
	Overall (D)	mm	1,200	1,200	1,200	1,200	1,200	1,200
	Precast (d)	mm	1,000	1,000	1,000	1,000	1,000	1,000
	Area	mm ²	771,455	822,232	847,620	873,009	923,786	949,175
	Ix	mm ⁴	140,800E+6	147,500E+6	150,300E+6	153,100E+6	158,300E+6	160,600E+6
	yb	mm	701	723	734	743	760	768
	Zt(deck)	mm ³	282.500E+6	309.300E+6	322.200E+6	334.900E+6	360.000E+6	372.000E+6
	Zt(pc)	mm ³	471.800E+6	532.700E+6	564.100E+6	595.600E+6	660.100E+6	693.300E+6
	Zb(pc)	mm ³	200.800E+6	203.900E+6	204.800E+6	206.000E+6	208.300E+6	208.900E+6
	Soffit (b)	mm	852	852	852	852	852	852
	Web (t)	mm	100	100	100	100	100	100
Mass	T/m	2.006	2.138	2.204	2.270	2.402	2.468	
T3 1200	Flange (B)	(mm)	1800	2000	2100	2200	2400	2500
	Overall (D)	mm	1,400	1,400	1,400	1,400	1,400	1,400
	Precast (d)	mm	1,200	1,200	1,200	1,200	1,200	1,200
	Area	mm ²	812,828	863,605	888,993	914,382	964,759	990,548
	Ix	mm ⁴	208,500E+6	218,100E+6	222,700E+6	226,900E+6	234,400E+6	238,200E+6
	yb	mm	817	843	855	866	887	896
	Zt(deck)	mm ³	357.600E+6	391.600E+6	408.500E+6	424.900E+6	457.100E+6	472.900E+6
	Zt(pc)	mm ³	544.300E+6	611.100E+6	645.200E+6	679.300E+6	749.200E+6	784.400E+6
	Zb(pc)	mm ³	255.200E+6	258.700E+6	260.600E+6	262.000E+6	264.300E+6	265.800E+6
	Soffit (b)	mm	814	814	814	814	814	814
	Web (t)	mm	100	100	100	100	100	100
Mass	T/m	2.113	2.245	2.311	2.377	2.508	2.575	
T4 1500	Flange (B)	(mm)	1800	2000	2100	2200	2400	2500
	Overall (D)	mm	1,700	1,700	1,700	1,700	1,700	1,700
	Precast (d)	mm	1,500	1,500	1,500	1,500	1,500	1,500
	Area	mm ²	854,223	905,000	930,388	955,777	1,006,554	1,031,943
	Ix	mm ⁴	329,100E+6	344,000E+6	351,100E+6	357,600E+6	369,900E+6	375,400E+6
	yb	mm	1004	1035	1050	1063	1088	1100
	Zt(deck)	mm ³	472.600E+6	517.500E+6	539.800E+6	561.400E+6	604.300E+6	625.400E+6
	Zt(pc)	mm ³	663.100E+6	740.100E+6	779.600E+6	818.300E+6	897.600E+6	937.800E+6
	Zb(pc)	mm ³	327.900E+6	332.300E+6	334.500E+6	336.500E+6	340.000E+6	341.400E+6
	Soffit (b)	mm	756	756	756	756	756	756
	Web (t)	mm	100	100	100	100	100	100
Mass	T/m	2.221	2.353	2.419	2.485	2.617	2.683	
T5 1800	Flange (B)	(mm)	1800	2000	2100	2200	2400	2500
	Overall (D)	mm	2,000	2,000	2,000	2,000	2,000	2,000
	Precast (d)	mm	1,800	1,800	1,800	1,800	1,800	1,800
	Area	mm ²	990,619	1,041,396	1,066,784	1,092,173	1,142,950	1,168,339
	Ix	mm ⁴	513,700E+6	538,200E+6	549,500E+6	559,900E+6	580,400E+6	589,500E+6
	yb	mm	1154	1188	1205	1220	1248	1262
	Zt(deck)	mm ³	607.400E+6	663.100E+6	691.000E+6	717.900000.000	771.900E+6	798.500E+6
	Zt(pc)	mm ³	795.500E+6	880.000E+6	923.200E+6	965.500E+6	1.052E+9	1.095E+9
	Zb(pc)	mm ³	445.100E+6	452.900E+6	456.000E+6	459.000E+6	465.000E+6	467.200E+6
	Soffit (b)	mm	700	700	700	700	700	700
	Web (t)	mm	120	120	120	120	120	120
Mass	T/m	2.576	2.708	2.774	2.840	2.972	3.038	

