



MARK-II SECTIONS

Super-T (Open Top) - Composite Section Properties								T=195		
Deck Thickness T=195mm		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	945	945	945	945	945	945	945
		Precast (d)	mm	750	750	750	750	750	750	750
		Area	mm ²	726,752	776,635	801,576	826,517	876,400	901,341	901,341
		Ix	mm ⁴	76,810E+6	80,360E+6	81,950E+6	83,540E+6	86,210E+6	87,700E+6	87,700E+6
		Iy	mm ⁴	543	560	568	575	589	594	594
		Zt(deck)	mm ³	191.200E+6	208.900E+6	217.400E+6	225.800E+6	241.900E+6	250.100E+6	250.100E+6
		Zt(pc)	mm ³	371.600E+6	423.500E+6	450.500E+6	477.600E+6	534.300E+6	563.200E+6	563.200E+6
		Zb(pc)	mm ³	141.400E+6	143.400E+6	144.300E+6	145.300E+6	146.400E+6	147.600E+6	147.600E+6
		Soffit (b)	mm	900	900	900	900	900	900	900
		Web (t)	mm	100	100	100	100	100	100	100
Mass	T/m	1.890	2.019	2.084	2.149	2.279	2.343	2.343		
T2	1000	Flange (B)	(mm)	1800	2000	2100	2200	2400	2500	
		Overall (D)	mm	1,195	1,195	1,195	1,195	1,195	1,195	1,195
		Precast (d)	mm	1,000	1,000	1,000	1,000	1,000	1,000	1,000
		Area	mm ²	763,405	813,288	838,229	863,170	913,053	937,994	937,994
		Ix	mm ⁴	138,800E+6	145,400E+6	148,200E+6	151,000E+6	156,300E+6	158,500E+6	158,500E+6
		Iy	mm ⁴	696	718	728	738	755	763	763
		Zt(deck)	mm ³	278.400E+6	304.900E+6	317.700E+6	330.300E+6	355.100E+6	367.100E+6	367.100E+6
		Zt(pc)	mm ³	457.100E+6	515.700E+6	545.800E+6	576.000E+6	637.800E+6	669.500E+6	669.500E+6
		Zb(pc)	mm ³	199.400E+6	202.500E+6	203.500E+6	204.700E+6	207.000E+6	207.600E+6	207.600E+6
		Soffit (b)	mm	852	852	852	852	852	852	852
		Web (t)	mm	100	100	100	100	100	100	100
Mass	T/m	1.985	2.115	2.179	2.244	2.374	2.439	2.439		
T3	1200	Flange (B)	(mm)	1800	2000	2100	2200	2400	2500	
		Overall (D)	mm	1,395	1,395	1,395	1,395	1,395	1,395	1,395
		Precast (d)	mm	1,200	1,200	1,200	1,200	1,200	1,200	1,200
		Area	mm ²	804,778	854,661	879,602	904,543	954,026	979,367	979,367
		Ix	mm ⁴	205,800E+6	215,300E+6	219,900E+6	224,100E+6	231,600E+6	235,400E+6	235,400E+6
		Iy	mm ⁴	811	837	849	860	881	891	891
		Zt(deck)	mm ³	352.400E+6	386.100E+6	402.800E+6	419.000E+6	450.900E+6	466.600E+6	466.600E+6
		Zt(pc)	mm ³	529.100E+6	593.700E+6	626.600E+6	659.400E+6	726.800E+6	760.700E+6	760.700E+6
		Zb(pc)	mm ³	253.700E+6	257.100E+6	259.000E+6	260.500E+6	262.800E+6	264.300E+6	264.300E+6
		Soffit (b)	mm	814	814	814	814	814	814	814
		Web (t)	mm	100	100	100	100	100	100	100
Mass	T/m	2.092	2.222	2.287	2.352	2.480	2.546	2.546		
T4	1500	Flange (B)	(mm)	1800	2000	2100	2200	2400	2500	
		Overall (D)	mm	1,695	1,695	1,695	1,695	1,695	1,695	1,695
		Precast (d)	mm	1,500	1,500	1,500	1,500	1,500	1,500	1,500
		Area	mm ²	846,173	896,056	920,997	945,938	995,821	1,020,762	1,020,762
		Ix	mm ⁴	325,200E+6	340,000E+6	347,100E+6	353,600E+6	365,900E+6	371,400E+6	371,400E+6
		Iy	mm ⁴	997	1029	1043	1056	1081	1093	1093
		Zt(deck)	mm ³	466.000E+6	510.300E+6	532.400E+6	553.700E+6	596.200E+6	617.100E+6	617.100E+6
		Zt(pc)	mm ³	646.600E+6	721.300E+6	759.600E+6	797.100E+6	873.900E+6	912.800E+6	912.800E+6
		Zb(pc)	mm ³	326.100E+6	330.600E+6	332.800E+6	334.800E+6	338.400E+6	339.800E+6	339.800E+6
		Soffit (b)	mm	756	756	756	756	756	756	756
		Web (t)	mm	100	100	100	100	100	100	100
Mass	T/m	2.200	2.330	2.395	2.459	2.589	2.654	2.654		
T5	1800	Flange (B)	(mm)	1800	2000	2100	2200	2400	2500	
		Overall (D)	mm	1,995	1,995	1,995	1,995	1,995	1,995	1,995
		Precast (d)	mm	1,800	1,800	1,800	1,800	1,800	1,800	1,800
		Area	mm ²	982,569	1,032,452	1,057,393	1,082,334	1,132,217	1,157,158	1,157,158
		Ix	mm ⁴	508,000E+6	532,300E+6	543,500E+6	553,900E+6	574,300E+6	583,400E+6	583,400E+6
		Iy	mm ⁴	1147	1181	1198	1213	1241	1255	1255
		Zt(deck)	mm ³	599.200E+6	654.200E+6	681.800E+6	708.300000.000	761.700E+6	788.000E+6	788.000E+6
		Zt(pc)	mm ³	778.200E+6	860.500E+6	902.500E+6	943.600E+6	1.027E+9	1.070E+9	1.070E+9
		Zb(pc)	mm ³	442.800E+6	450.600E+6	453.700E+6	456.700E+6	462.700E+6	464.900E+6	464.900E+6
		Soffit (b)	mm	700	700	700	700	700	700	700
		Web (t)	mm	120	120	120	120	120	120	120
Mass	T/m	2.555	2.684	2.749	2.814	2.944	3.009	3.009		

