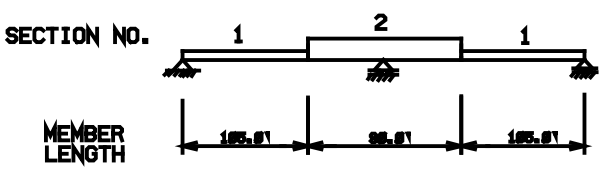
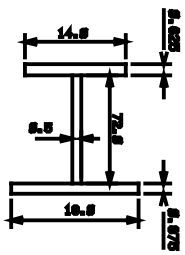
MERLIN – DASH

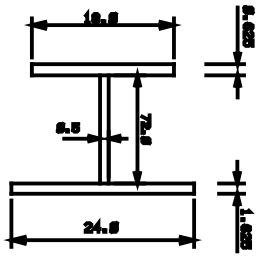
	DEFINITION OF SECTIONS, (W, PLATE GIRDERS AND RC SECTIONS)													
	SECTION NO.	SECTION ID.	STANDARD SECTIONS ONLY			PLATE GIRDERS ONLY		ROLLED SECTIONS WITH COVER PLATES AND PLATE GIRDER SECTIONS				REINFORCED CONCRETE	
								TOP PLATE		BOTTOM PLATE			
				NOMINAL DEPTH	WEIGHT (LB/FT)	WEB DEPTH (IN.)	WEB THICKNESS (IN.)	WIDTH (IN.)	THICK (IN.)	WIDTH (IN.)	THICK (IN.)	MOMENT OF INERTIA ($IN.^4$)	AREA ($IN.^2$)
0401 1													
0401 2													
0401 2													
0401 2													
0401 2													
0401 2													
0401 2													
0401 2													
IF ANY ↓	13	15		20	25	31	37	43	49	55	61	70	75

EXAMPLE:





section 1



section 2

0401 2	1	RC				0	72.00	0.50	114.00	0.6125	108.00	0.8750		
0401 2	2	RC				0	72.00	0.50	108.00	0.6125	240.00	1.6125		

Section ID. .....PG = Plate Girder
W = W - section
RC = Reinforced Concrete ($Ec = 57000\sqrt{f'c}$)