



	MEMBER	Quant	LENGTH M	FORCE kN	LENGTH mm	FORCE N	MIN I mm <sup>4</sup>	MIN A mm <sup>2</sup>	HSS MEMBER	MASS/LEN kg/m	AREA mm <sup>2</sup>	WEIGHT kN		
<b>TOP BRACING</b>	VERTICAL	22	4.000	6.47	4000	6474	1.574E+05	37	64x64x4.8	8.35	1060	7.208		
<i>MAX COMPRESSION:</i>	WEB	8	4.717	6.47	4717	6474	2.189E+05	37	64x64x4.8	8.35	1060	3.091		
<i>E = +323.7</i>														
<i>E x 0.02 = 6.474 kN</i>														
<b>DEAD LOADS</b>														
												TOTAL TRUSS WEIGHT	42	
												DECK WEIGHT	500	
												TOTAL DEAD LOAD	542	
<b>DEFLECTION</b>													DEFLECTION mm / kN	4.1425E-02
<i>Of Single span</i>													DEAD mm	11.24
													LIVE mm	21.90
													LOVE LOAD DEFLECTION :SPAN	8.76E-04
<b>RESONANCE</b>													NATURAL FREQUENCY LIVE + DEAD (Hz)	3.092
													NATURAL FREQUENCY DEAD (Hz)	5.310
<b>COSTS</b>													TRUSS COST	\$ 17,306
													DECK COST	\$ 15,000
													HANGER COST	\$ 12,000
													ATTATCHMENT COST	\$ 4,000
													TOTAL COST	\$ <u>48,306</u>

FORCE AT EACH END 400 kN >>>>