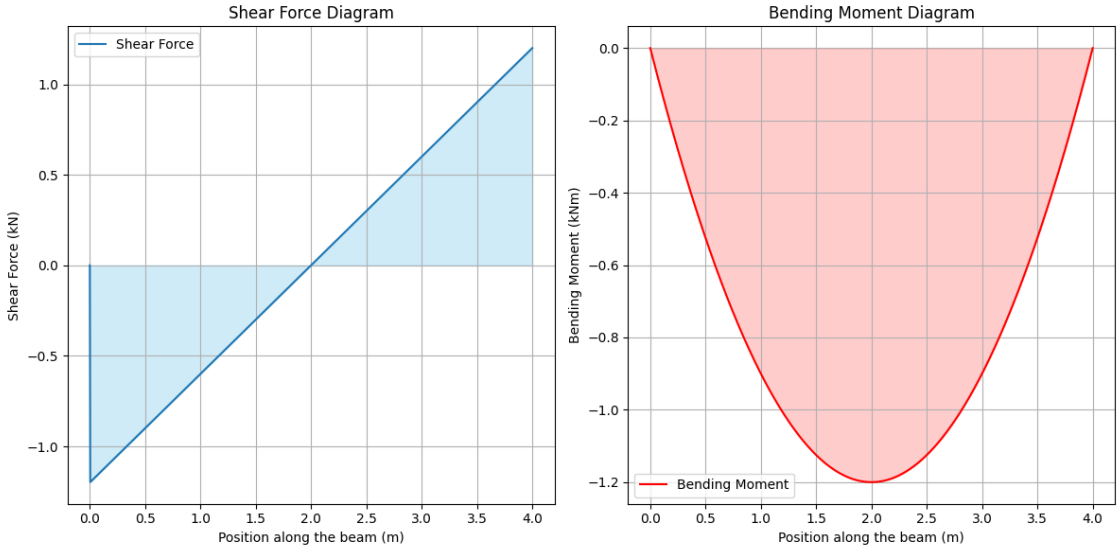
JOB TITLE			ITEM Structural Calculations		
DESIGNED- MM	DATE	CHECKED- MM	JOB NO. 24000	SHEET 1	REV

Span = 4.0 m

Allowable Deflection = 11.11 mm

Loading Type	**Magnitude (kN/m^2 or kN)**	**Distance (m)**	**Point Loading (kN)**	**Factored Point Loading (kN)**	**Total Loading (kN/m)**	**Factored Loading (kN/m)**
Floor	2.00	0.30	-	-	0.60	0.93
Total	-	-	0.00	0.00	0.60	0.93



Maximum Unfactored Moment = 1.20 kNm

Minimum Second Moment of Area required = 1667 x10^4 mm^4

Elastic Section Modulus required = 160.0 x10^3 mm^3

Provide 10x100000mm C24 timber joists at 300.0 mm spacing

The Second moment of area of the timber is 83333333333 x10^4 mm^4

The Elastic Section modulus of timber is 16666666.7 x10^3 mm^3

JOB TITLE			ITEM Structural Calculations		
DESIGNED- MM	DATE	CHECKED- MM	JOB NO. 24000	SHEET 2	REV

Left Unfactored Reaction = 1.20 kN

Right Unfactored Reaction = 1.20 kN