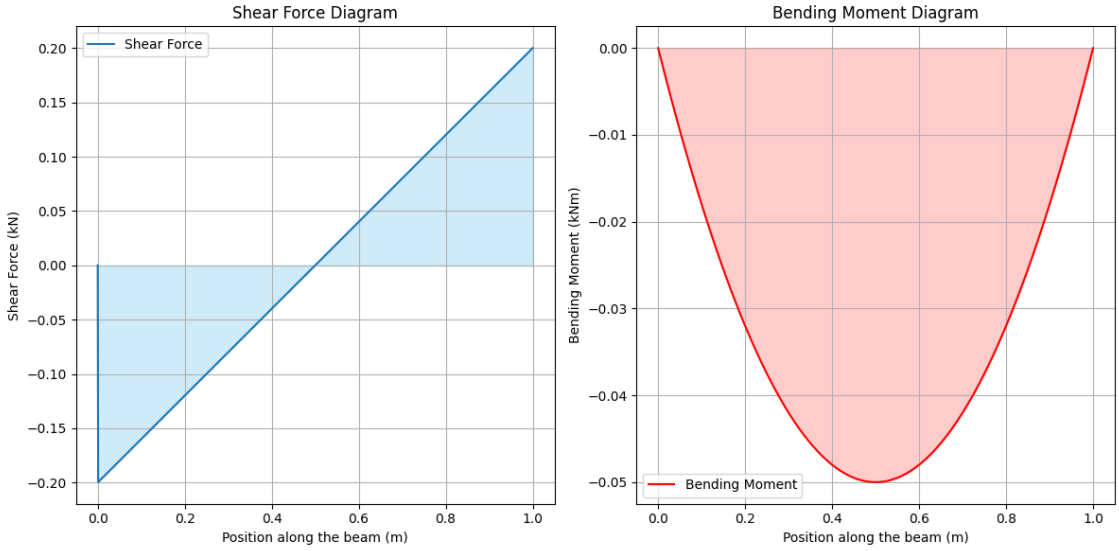
JOB TITLE			ITEM Structural Calculations		
DESIGNED- MM	DATE	CHECKED- MM	JOB NO. 24000	SHEET 1	REV

Span = 1.0 m

Allowable Deflection = 2.78 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	0.20	-	-	0.40	0.62
Total	-	-	0.00	0.00	0.40	0.62



Maximum Unfactored Moment = 0.05 kNm

Minimum Second Moment of Area required = 16 x10^4 mm^4

Elastic Section Modulus required = 6.7 x10^3 mm^3

Provide 50x150mm C24 timber joists at 200 mm spacing

The Second moment of area of the timber is 1406 x10^4 mm^4

The Elastic Section modulus of timber is 187.5 x10^3 mm^3

Left Unfactored Reaction = 0.20 kN

Right Unfactored Reaction = 0.20 kN