

Material Property Data

General Data

Material Name and Display Color: BA ■

Material Type: Concrete

Material Notes: Modify/Show Notes...

Weight and Mass

Weight per Unit Volume: 25, Units: KN, m, C

Mass per Unit Volume: 2,5493

Isotropic Property Data

Modulus of Elasticity, E: 30000000

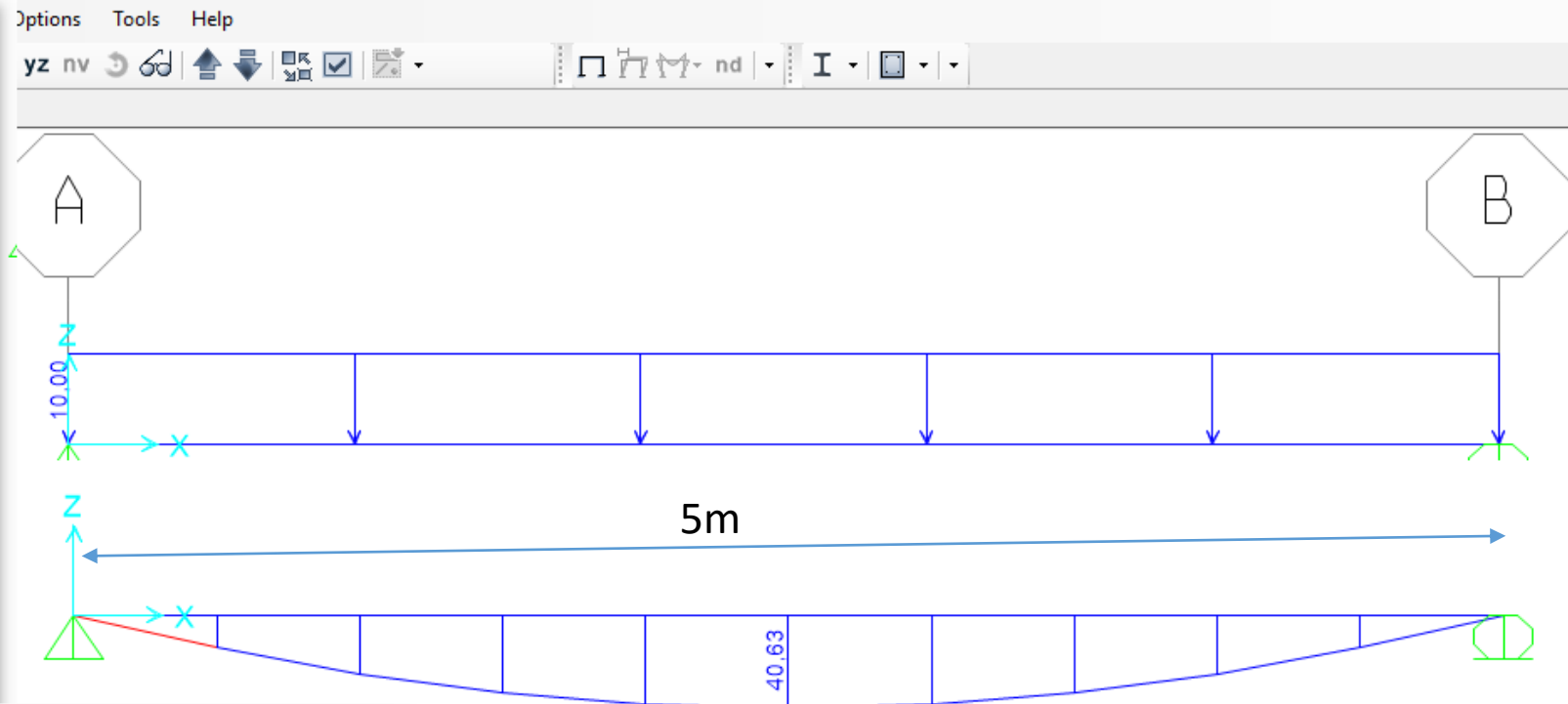
Poisson: 0,2

Coefficient of Thermal Expansion, A: 9,900E-06

Shear Modulus, G: 12500000

Other Properties for Concrete Materials

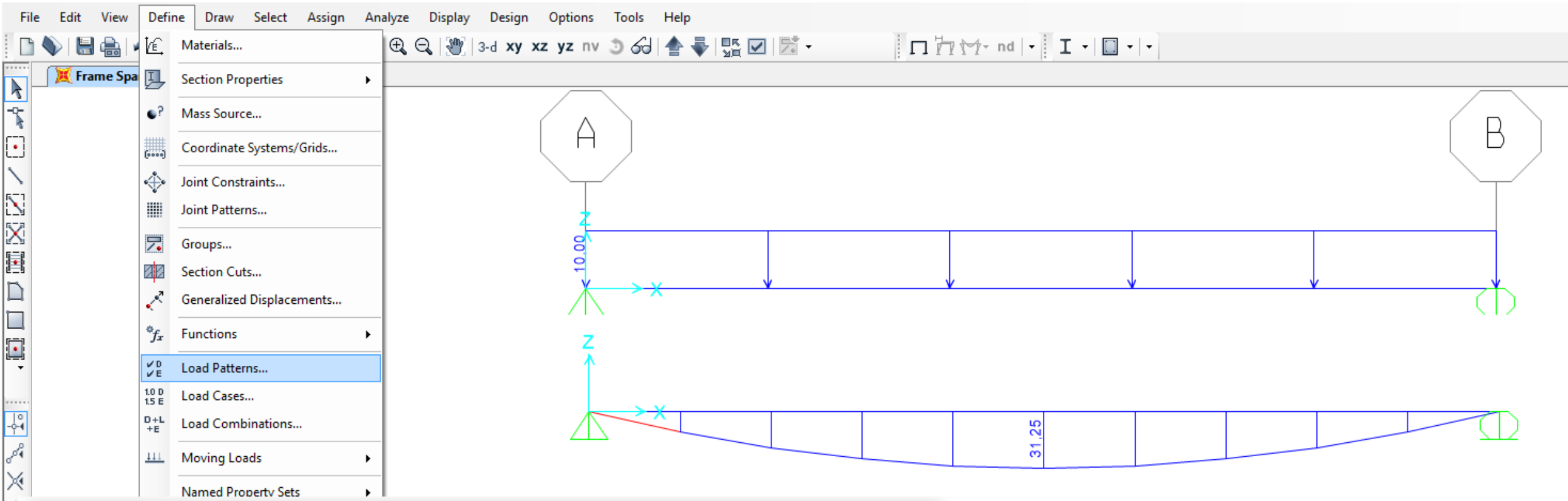
Specified Concrete Compressive Strength, f<sub>c</sub>: 27579,032



$$M = \frac{Q L^2}{8} = \frac{10 \cdot 5^2}{8} = 31,25 \text{ KNm}$$

Poids propre de la poutre:  
 $P = 0,3 \cdot 0,4 \cdot 25 = 3 \text{ KN/m}$

$$M = \frac{(Q+p) L^2}{8} = \frac{(10+3) \cdot 5^2}{8} = 40,625 \text{ KNm}$$



Define Load Patterns

Load Pattern Name	Type	Self Weight Multiplier	Auto Lateral Load Pattern
DEAD	DEAD	1	
DEAD	DEAD	0	

Click To:

- Add New Load Pattern
- Modify Load Pattern
- Modify Lateral Load Pattern...
- Delete Load Pattern
- Show Load Pattern Notes...

OK Cancel

Coefficient multiplicateur =  
 1 le programme tient compte du poids propre  
 0 le programme ne tient pas compte du poids propre

Valider