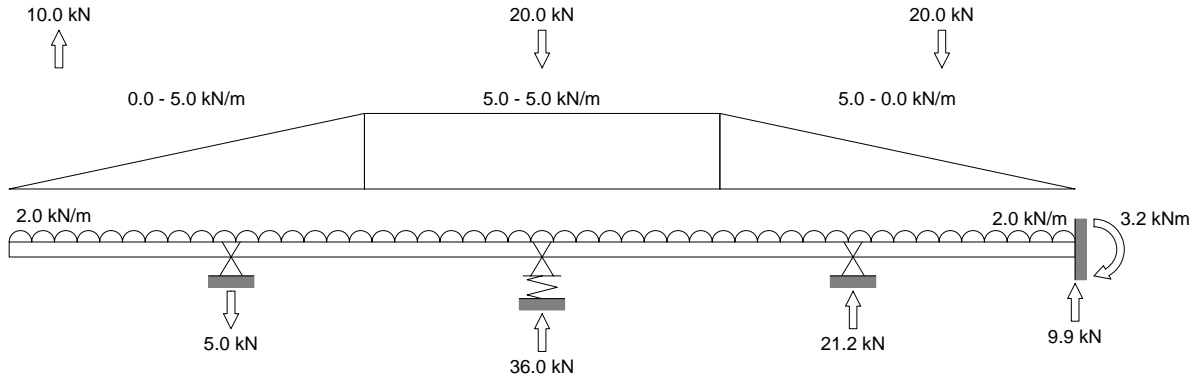
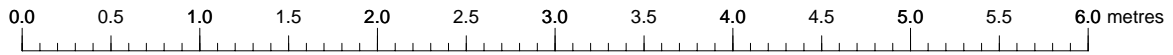
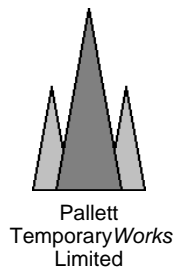


Company : **T. Flavius Vespasianus Caesar Augustus**

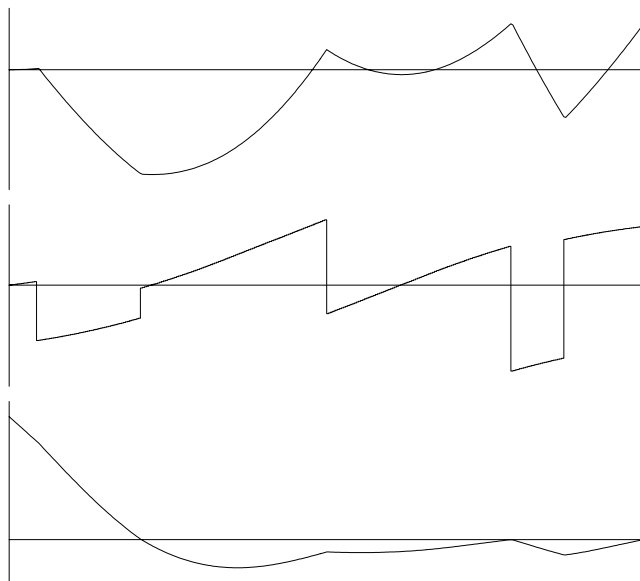
Contract : Flavian Amphitheatre (Coliseum)

Title : Arena floor (above lion's cage)



Section : RMD Kwikform Soldier Super-Slim

Bending Stiffness,  $EI = 4020 \text{ kN.m}^2$  Shear Stiffness,  $GA = 17350 \text{ kN}$  Self-Weight,  $w = 0.210 \text{ kN/m}$



Bending Moment :

Largest Positive = +7.35 kNm  
Largest Negative = -3.28 kNm

Shear Force :

Largest Positive = +14.5 kN  
Largest Negative = -11.0 kN

Deflection :

Largest Positive = +0.8 mm  
Largest Negative = -3.6 mm

Point Values stored at 4 points :

|   | <u>Pos (m)</u> | <u>B.Mt (kNm)</u> | <u>Sh.F (kN)</u> | <u>Def (mm)</u> |
|---|----------------|-------------------|------------------|-----------------|
| 1 | 0.280          | -0.09             | +9.3             | -2.8            |
| 2 | 2.010          | +6.06             | -4.1             | +0.8            |
| 3 | 4.000          | +0.05             | -2.0             | +0.3            |
| 4 | 5.250          | +3.42             | +12.3            | +0.4            |

**Liability** : Licensed users of BeamPal software are reminded that they have accepted responsibility for the input and output of the computer and how the analysis is used. As with all software, users must be satisfied with the results of the analysis and must be confident in their use. The program has been extensively tested, and the accuracy of the structural analysis has been independently verified. Users must satisfy themselves that the use to which the analysis is put is appropriate.