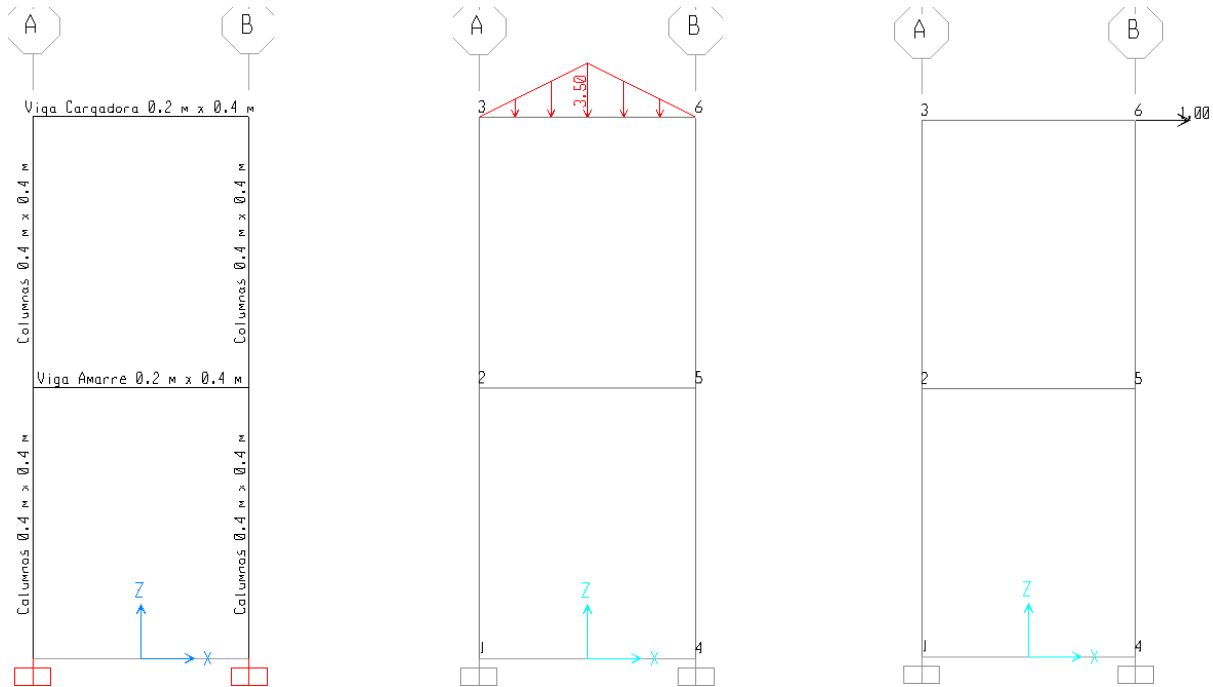


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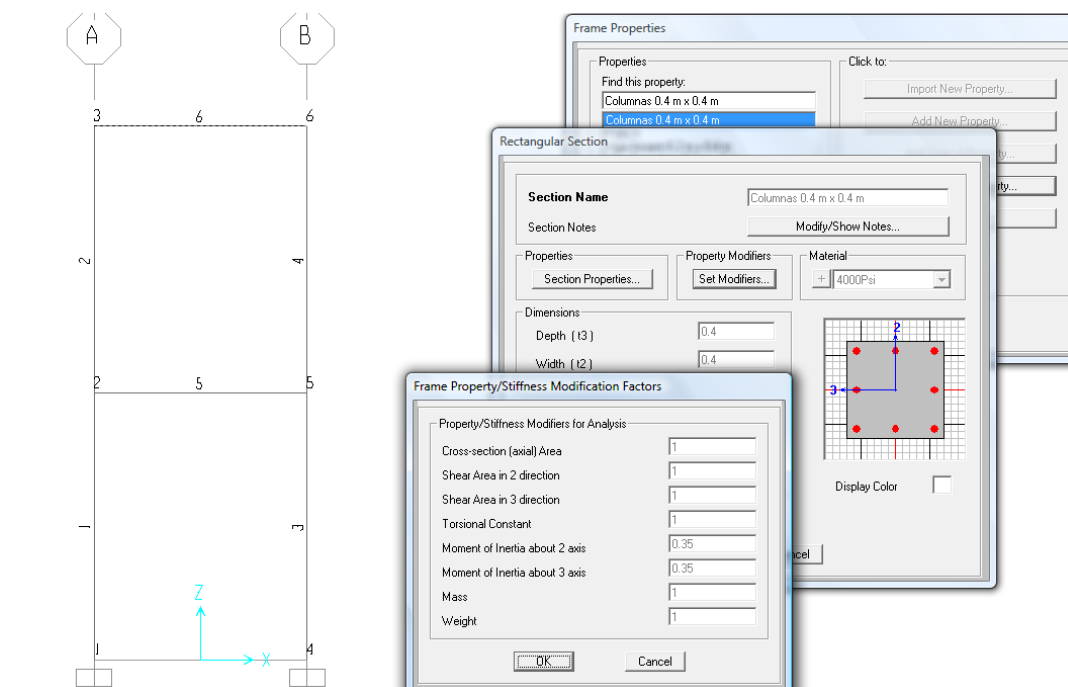


**Secciones del Pórtico**

**Carga Muerta 3.5 Ton/m**

**Carga Lateral 1 Ton**

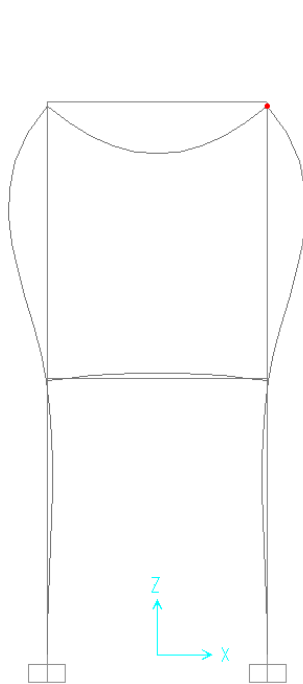
**Las columnas de 5 m y las vigas de 4 m de luz a ejes de los elementos**



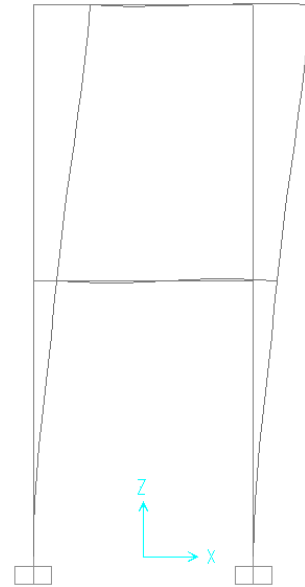
**Se usan inercias agrietadas  $I = 0.35 \cdot I_g$  para vigas y columnas (SAP 2000 v14)**



**Argudo and Associates**  
Structural & Geotechnical Engineering



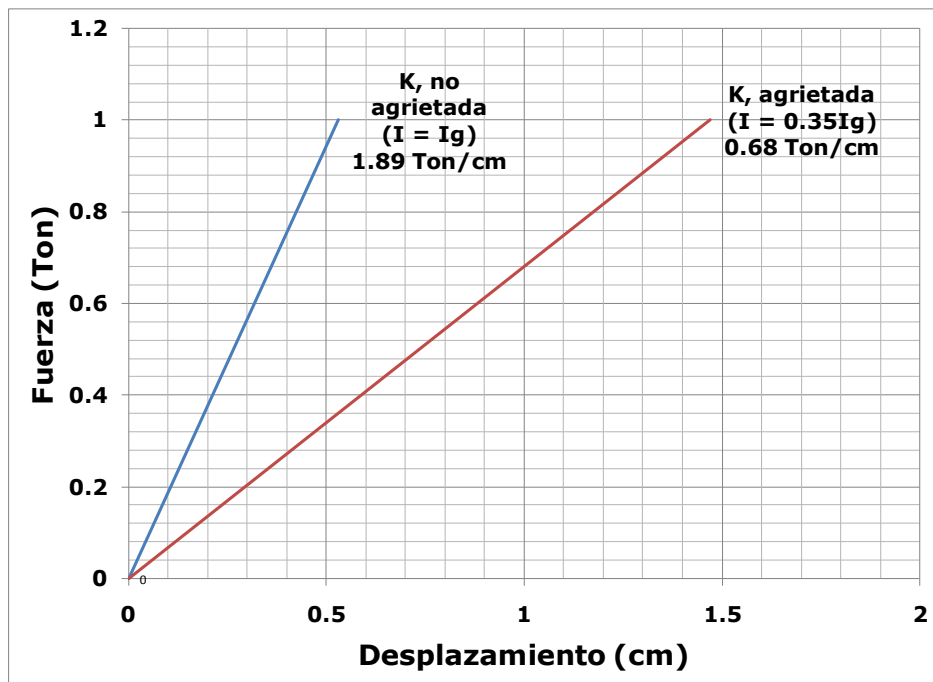
Pt Obj: 6  
Pt Elm: 6  
U1 = -.0006  
U2 = 0  
U3 = -.0148  
R1 = 0  
R2 = -.00172  
R3 = 0



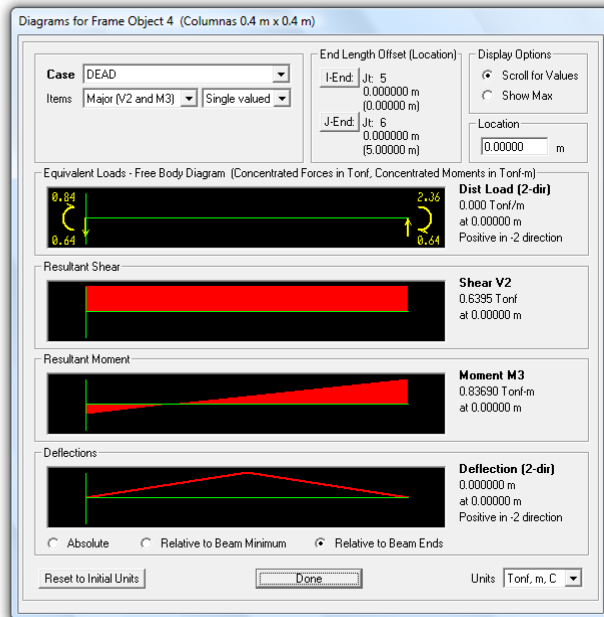
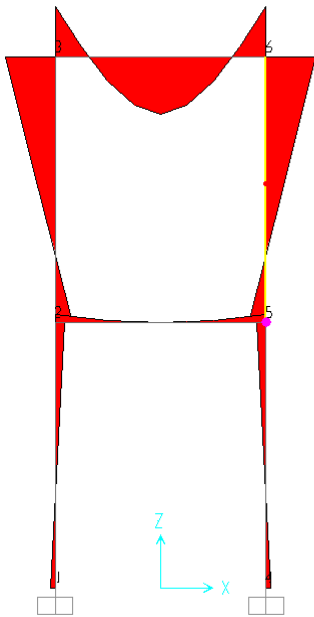
Pt Obj: 6  
Pt Elm: 6  
U1 = 1.4719  
U2 = 0  
U3 = -.0029  
R1 = 0  
R2 = .001  
R3 = 0

**Deformada por Carga Vertical (cm)**

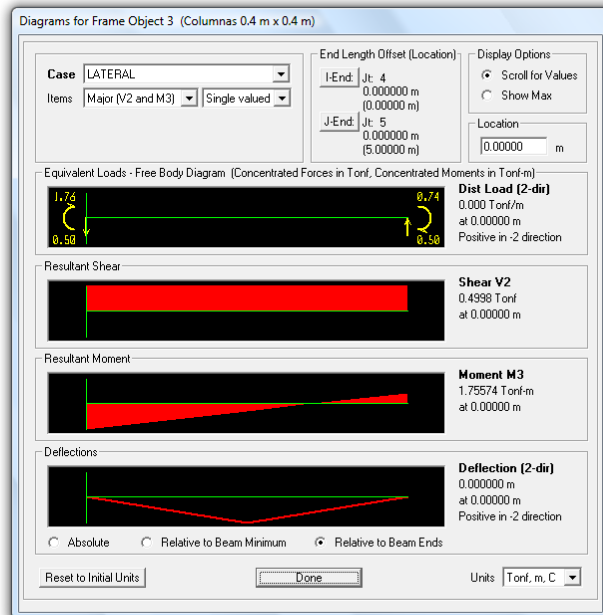
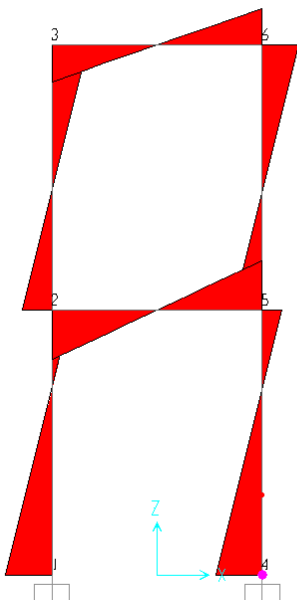
**Deformada por Carga Lateral (cm)**



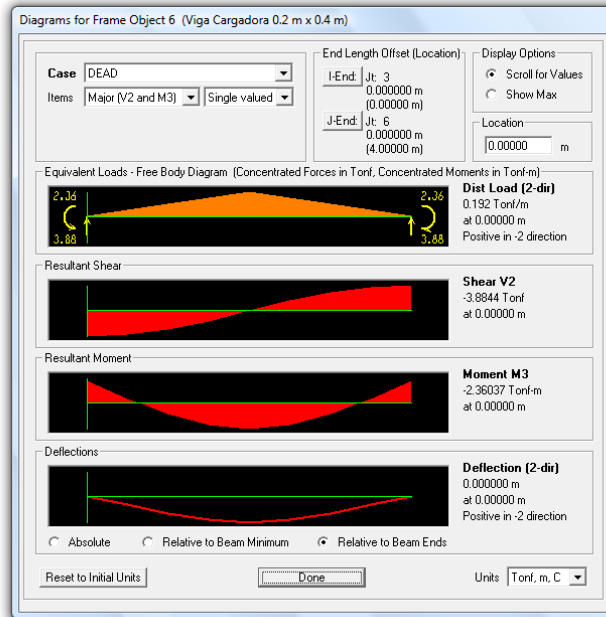
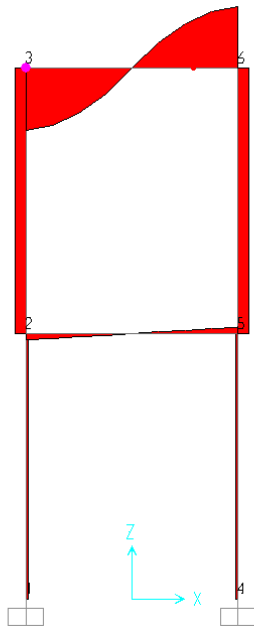
**Curva Fuerza – Desplazamiento en Rango Elástico**



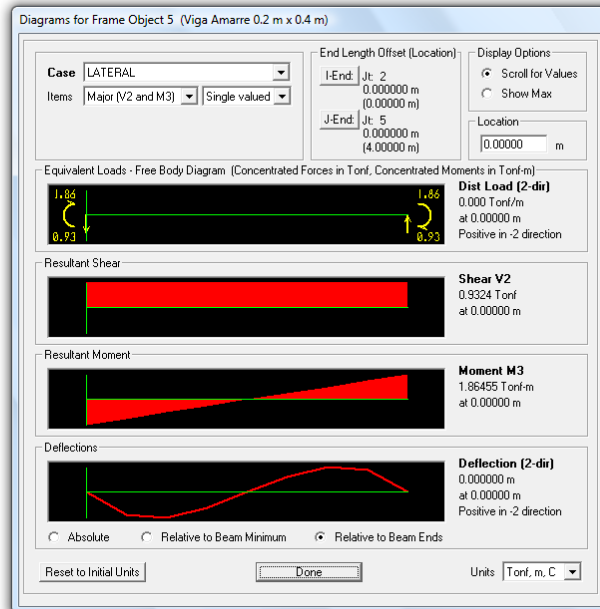
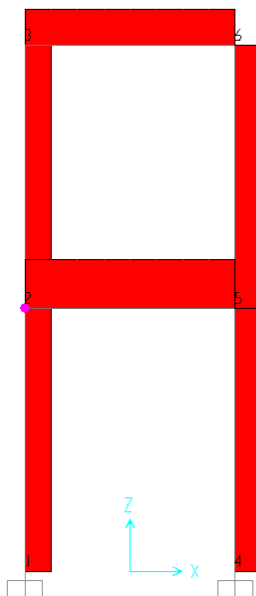
**Diagrama de Momentos por Carga Vertical**  
**Fuerzas Internas en Columnas Superiores**



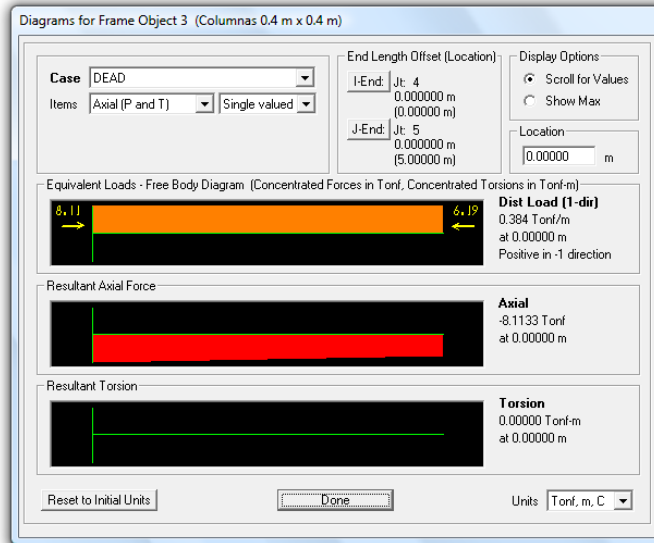
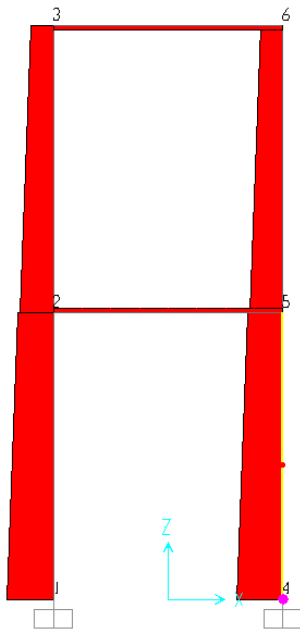
**Diagrama de Momentos por Carga Lateral**  
**Fuerzas Internas en Columnas Inferiores**



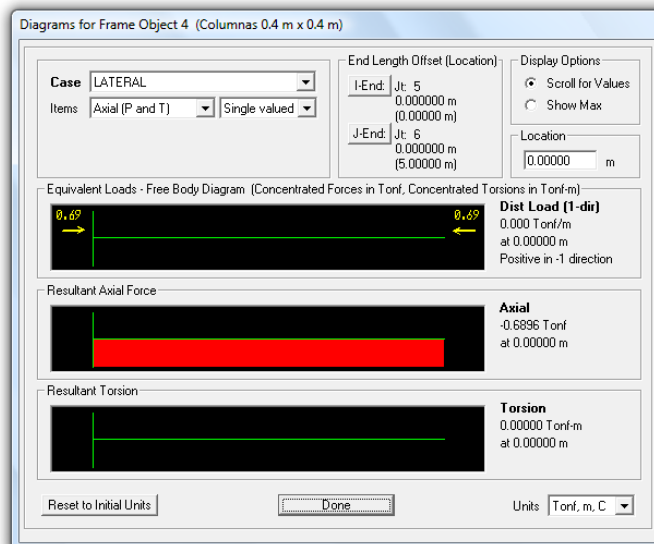
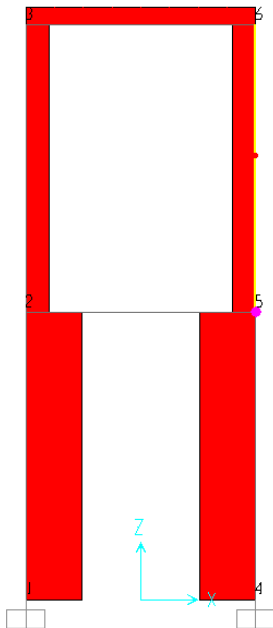
**Diagrama de Cortantes por Carga Vertical**  
**Fuerzas Internas en Viga Cargadora**



**Diagrama de Cortantes por Carga Lateral**  
**Fuerzas Internas en Viga de Amarre**



**Diagrama de Fuerza Axial por Carga Vertical**  
**Fuerzas Internas en Columnas Inferiores**



**Diagrama de Fuerza Axial por Carga Lateral**  
**Fuerzas Internas en Columnas Superiores**