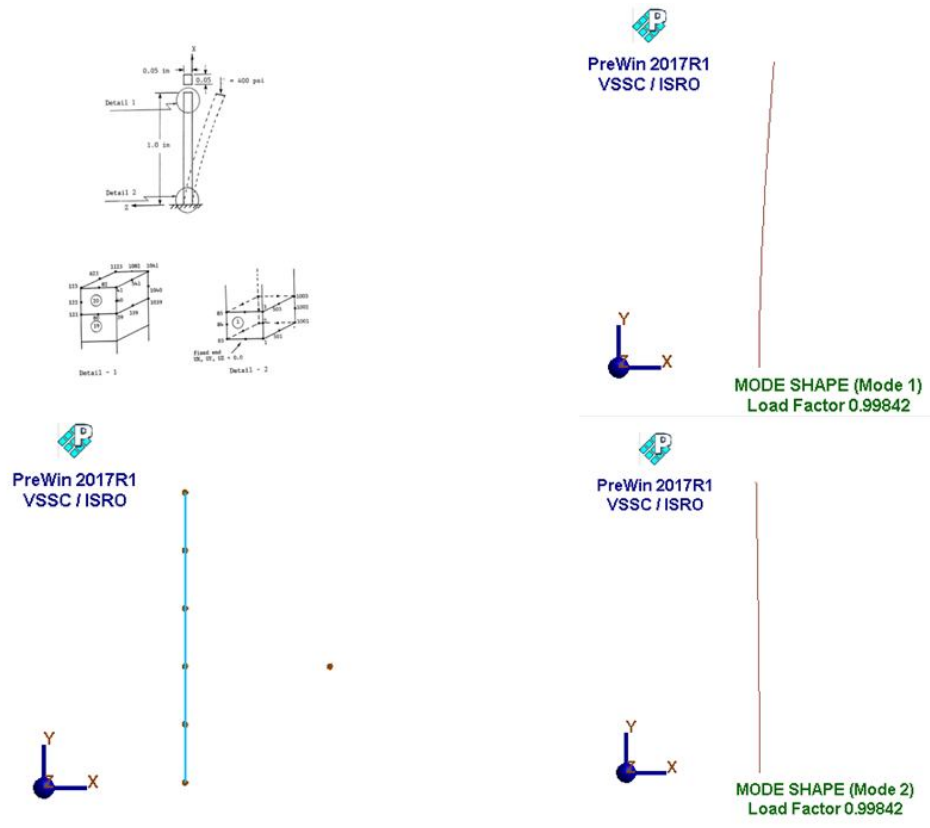


Buckling of a cantilever beam under compressive load



Boundary condition : All degrees of freedom are arrested at the bottom

Material property : $E_x = 7.781467 \times 10^5 \text{psi}$, $\nu = 0.3$

Element type : 3-D solid element

Load : 400 *psi* at free end

Finite element statistics:	Number of elements	Number of nodes	Degrees of freedom
	5	6	30

Output parameters	Theoretical	FEAST ^{SMT}	NISA2 [®]
Buckling Mode Mode 1	100.7	109.838	101.2