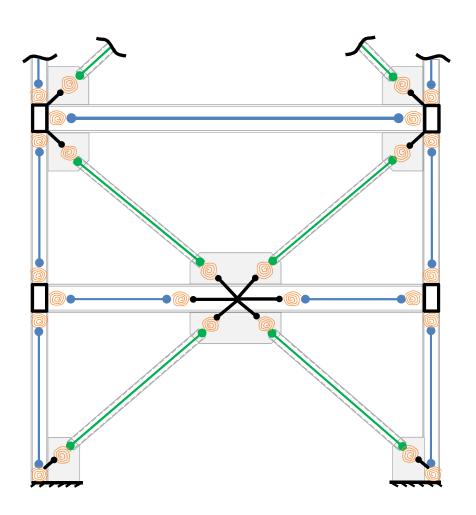
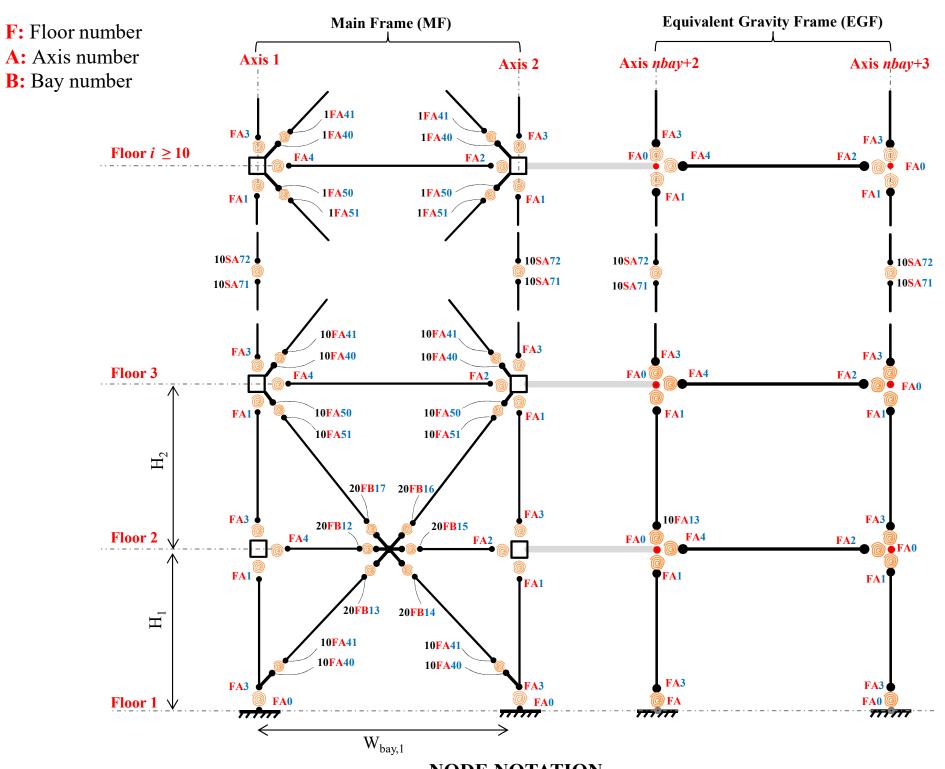


Disp-based fiber elementFiber-based elastic beam-column



CBF IDEALIZATION

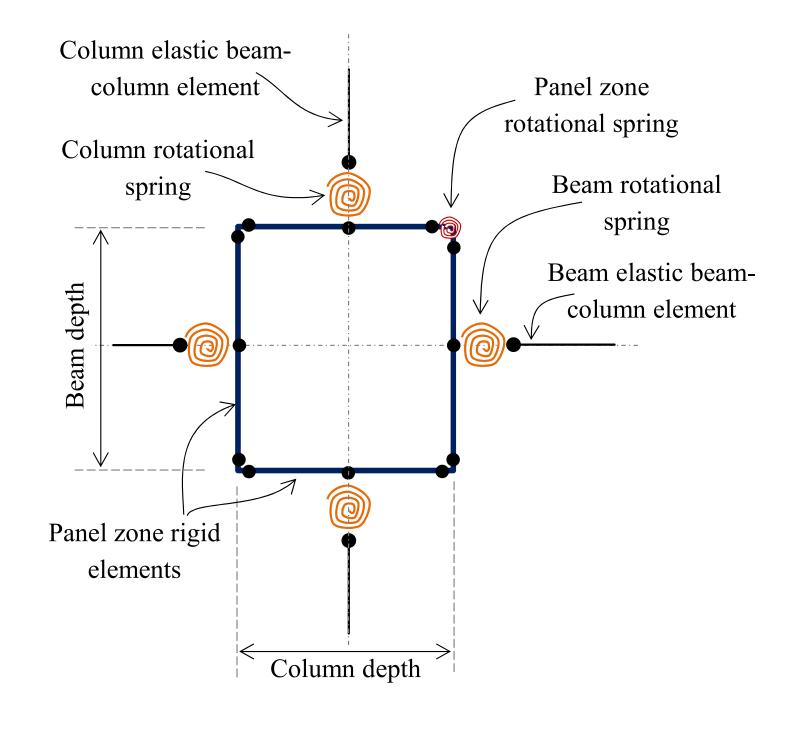


NODE NOTATION

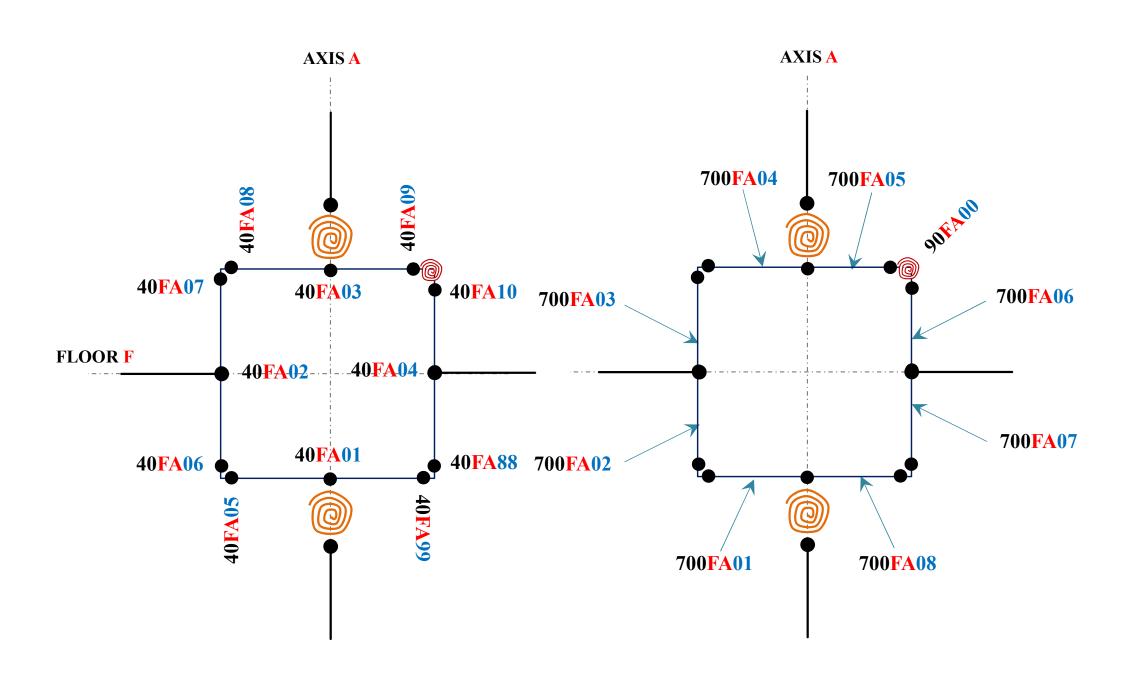
Equivalent Gravity Frame (EGF) Main Frame (MF) F: Floor number A: Axis number Axis 1 Axis 2 Axis nbay+2 Axis nbay+3 B: Bay number 9FA99 9FA99 **7FA11 7FA11** 9FA03 **9FA03** Floor $i \ge 10$ 9FA03 9FA04 5FB00 5FB00 9FA03 9FA02 10**F** 9FA01 **@ 9FA01 ® 9FA01** 9FA01 ' 7FA99 **9FA1 9FA99** 9FA11 90FA07 @ 90FA07 90FA99 90FA99 70FA11 70FA11 90FA03 90FA03 100F 90FA03 Floor 3 90FA03 90FA04 90FA02 50FB00 50FB00 90FA04 **@** 90FA01 90FA02 **90FA01** 90FA01 90FA01 70FA99 70FA99 90FA99 90FA99 H_2 90FB77 90FB6 90FB22 90FB55 90FA03 90FA03 @ 100F 90FA03 Floor 2 90FA03 50FB00 50FB01 50FB02 90FA01 @ 90FA04 90FA02 90FA01 90FA04 90FA02 90FA01 @ 90FA01 90FB33 90FB44 60SA00 H_1 90FA11 90FA11 70FA11 70FA11 90FA03 Floor 1 ψ 90FA03 $\mathbf{W}_{\text{bay},1}$

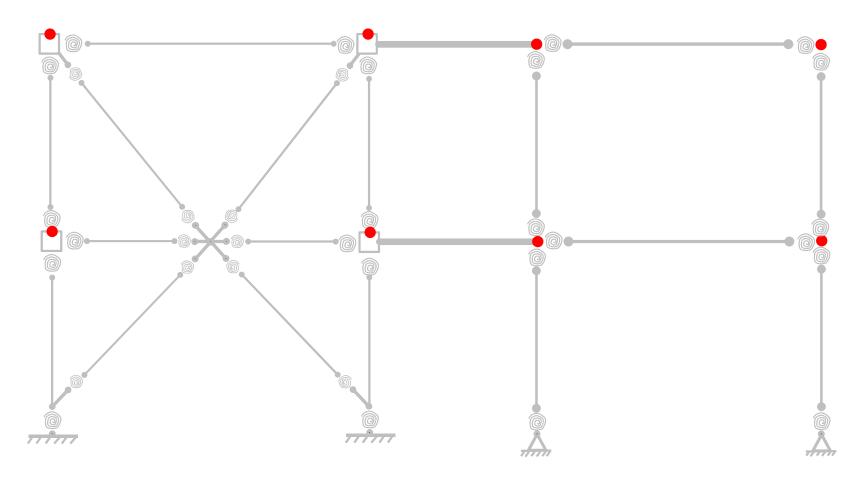
ELEMENT NOTATION

PANEL ZONE MODELING

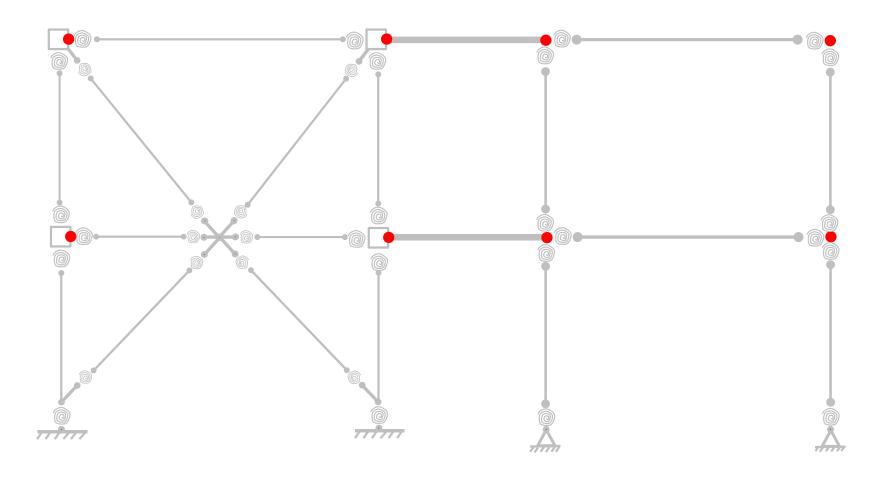


PANEL ZONE MODELING





Nodes at which Gravity Load is Allocated



Nodes at which Mass is Allocated