

**moment-frame-01.rcd**

Illustrates a moment frame under cyclic imposed displacement. The first kink in the load deflection curve is the yielding of the column bases. The curve then flattens when the corners of the frame yield.

**brace-frame-01.rcd**

Illustrates a chevron braced frame under cyclic imposed displacement. Note the high initial strength and stiffness once in each direction, with much lower strength and stiffness after buckling has occurred.

**brace-frame-03.rcd**

Illustrates a tension-only X-braced frame under cyclic imposed displacement. Note that the structure loses stiffness completely in the range where both braces are slack due to yielding, gaining stiffness suddenly when one of the braces becomes taught.

**ebf-frame-01.rcd**

Illustrates an eccentric braced frame under cyclic imposed displacement. Note that the braces do not buckle because the link is deliberately not strong enough to make the braces buckle.

**moment-frame-08.rcd**

Illustrates a moment frame subjected to an earthquake motion. The moment frame includes 200 kips of superimposed mass; 100 kips each at the upper corners. The frame shows stable energy dissipation and reasonable displacements. The earthquake motion is from the Kobe 1995 earthquake.

**06--brace-frame-02.rcd**

Illustrates a braced frame subject to earthquake motion. As with the cyclic case, note the contrast of strength and stiffness before and after buckling.

**07--ebf-frame-02.rcd**

Illustrates an eccentric braced frame subject to earthquake motion. Like the moment frame, the behavior is stable, although there are large displacements when the link yields.