Earthquake Survivor Repurposed

Yotel San Francisco—part of a micro-hotel chain—provides 203 compact rooms within the historic 75,000 SF Grant Building. The building survived both 1906 & 1989 Loma Prieta earthquakes.

Full Retrofit Designed to High Forces; Preserves Heritage
- Retrofit to 100% of current code forces & $\rho=1.3$.
- Entitlements required preservation of historic facade.
- Maintains historic main stair; supports new second floor & roof deck.

Strengthening in Incredibly Tight Spaces
- Concrete shear walls most effective, least invasive measure.
- (E) 624 psi concrete diaphragm strengthened to accommodate many penetrations.
- Diaphragm allows for MEP & elevator shaft openings.
- Accommodates MEP systems in 84 SF rooms.

Rising to Unforeseen Construction Challenges
- Shear walls double as shoring measure for construction sequence.
- Corroded historic column repaired with new structural steel.
- Holmes Structures was the only constant team member on a project that lasted over a decade, with:
  - different architects (4), general contractors (4), & owners (2).