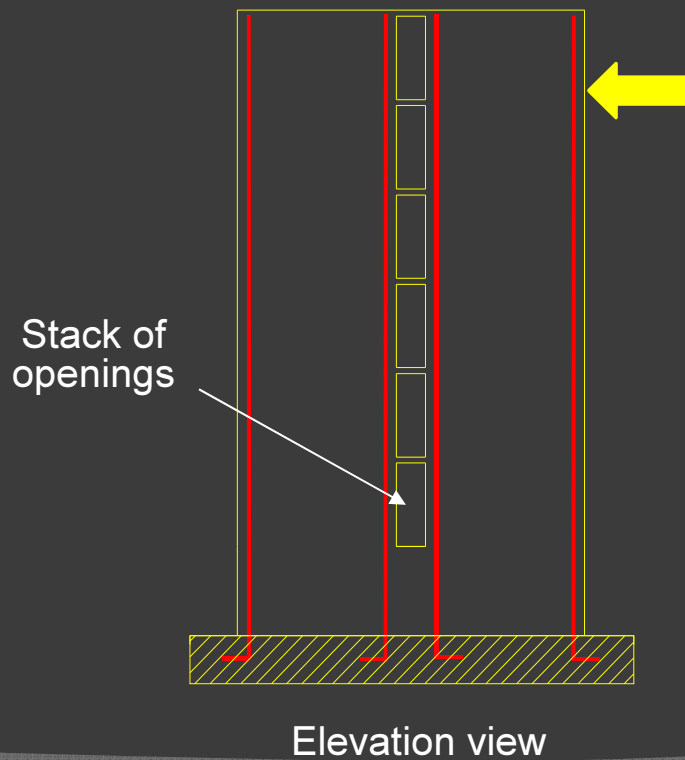


SEISMIC RESPONSE OF STRUCTURAL WALLS WITH REINFORCEMENT & GEOMETRIC DISCONTINUITIES



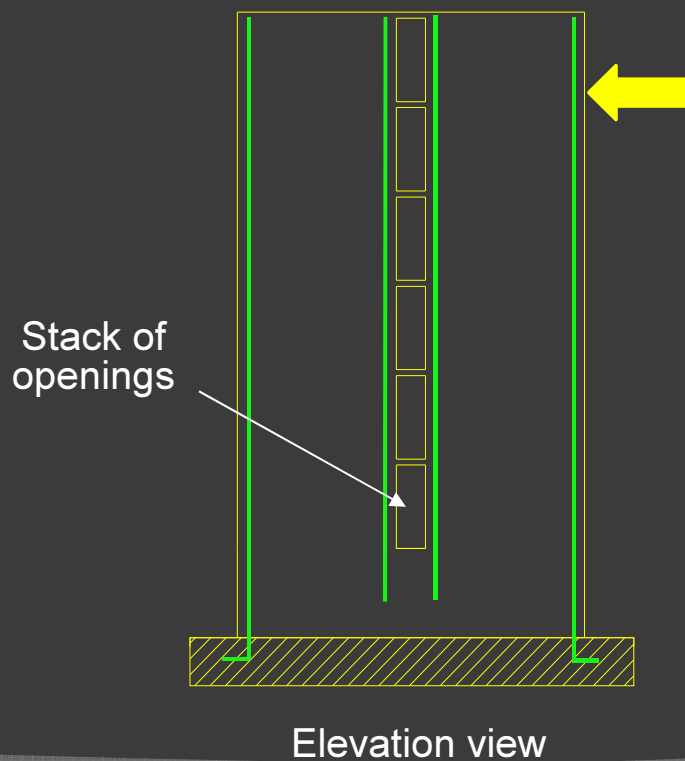
Investigator:
Santiago Pujol
Ph.D. student:
Enrique Villalobos

Test specimens



- **Wall C** had all longitudinal reinforcement continuous

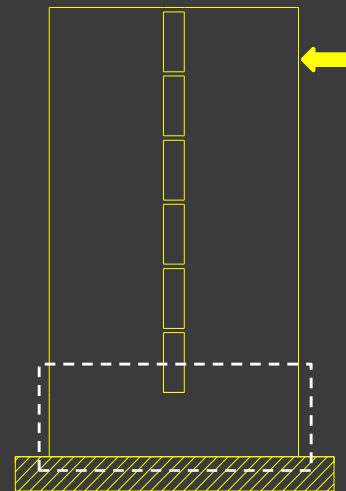
Test specimens



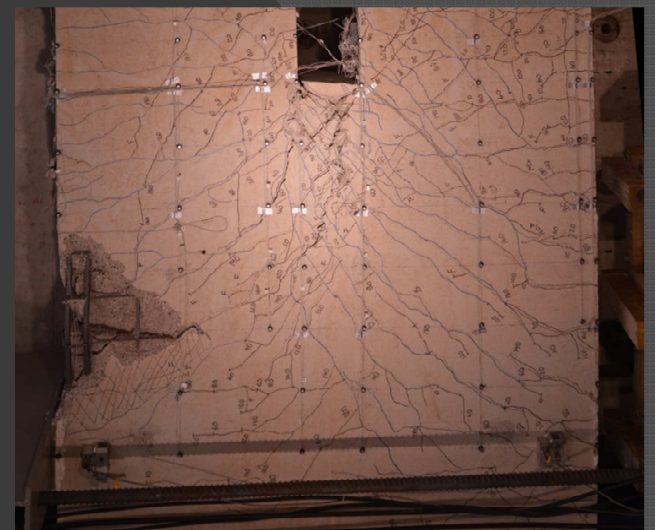
- **Wall D** had the longitudinal reinforcement flanking the openings anchored in the region meant to represent the first story in a building

Findings

- Distress caused by shear below the openings shifted the critical section resisting bending moments to the base of the first story.
- In **Wall D**, this shift caused anchorage failure.



Wall C



Wall D

