

Performance review of RC flexural wall with improved transverse reinforcement.

*Eun Kyung, Lee¹⁾ and Hong Geun, Park²⁾

^{1), 2)} Department of Architecture & Architectural Engineering, Seoul National University,
Seoul 08826, Korea.

¹⁾ chzhfpt200g@snu.ac.kr

ABSTRACT

Cyclic loading test conducted to analyze the ductility of flexural RC shear wall with various lateral seismic transverse reinforcement. Nonlinear finite element analysis model (Wallace & Thomsen) followed to verify the validity of the test results and the effects of concrete strength on the ductility of the wall were tested.

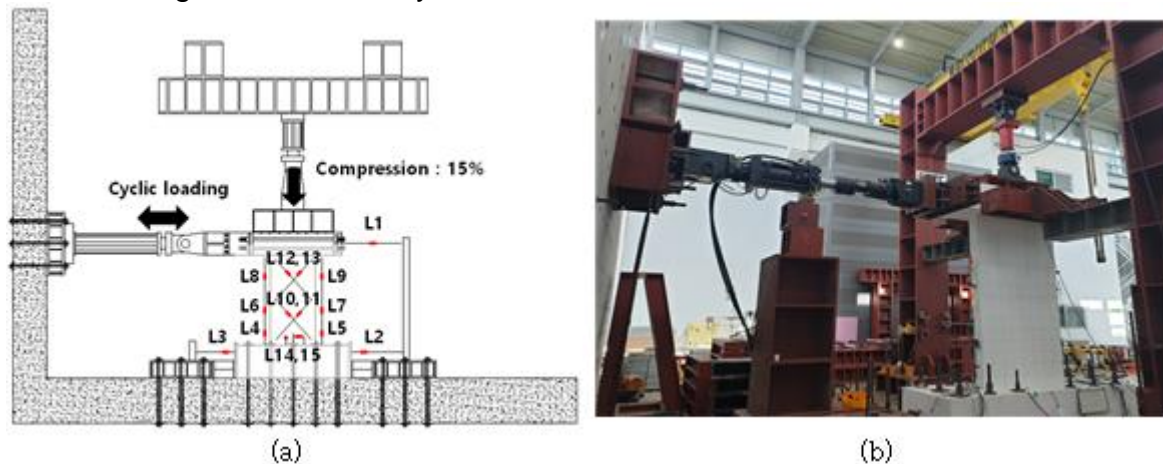


Fig. 1 Test set-up and LVDT placement

REFERENCES

- Dazio, A., Beyer, K., & Bachmann, H. (2009). Quasi-static cyclic tests and plastic hinge analysis of RC structural walls. *Engineering Structures*, 31(7), 1556-1571.
doi:10.1016/j.engstruct.2009.02.018

¹⁾ Seoul National University, Graduate Student

²⁾ Seoul National University, Professor