Conference Poster

Lateral load bearing characteristics of light gauge steel and lightweight concrete shear walls

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Introduction

Light Gauge Steel and Lightweight Concrete (LSLC) structure:

used lightweight concrete as structural material in composite way with cold-formed steel

Cold-formed Steel Structure: ease of construction



<u>Lightweight Concrete</u>: excellent performance on thermal insulation

and sound absorption

Light Gauge Steel and Lightweight Concrete Structural System









Seismic performance and lateral load bearing characteristics of LSLC shear walls are discussed based on static cyclic lateral loading test results



Configuration of LSLC shear wall

fib ICCS2021

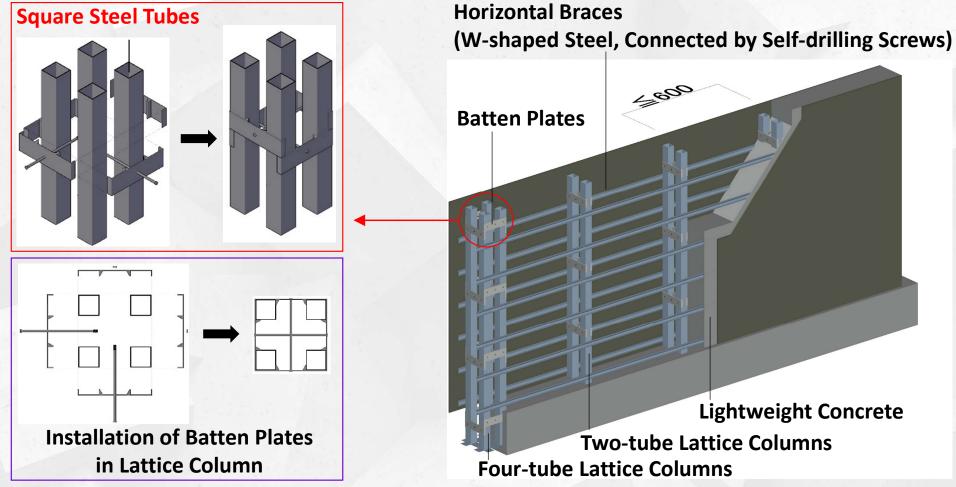
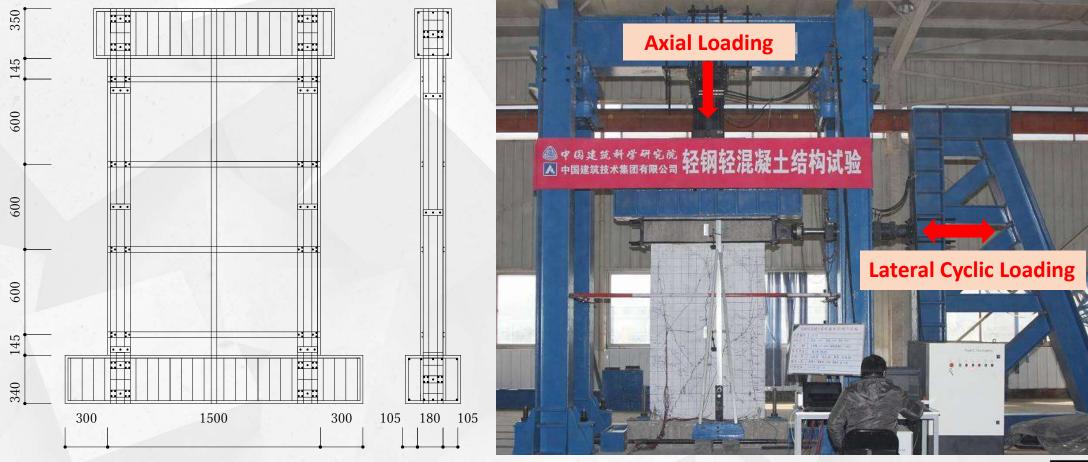




Illustration of specimen details & Test setup





Test results

