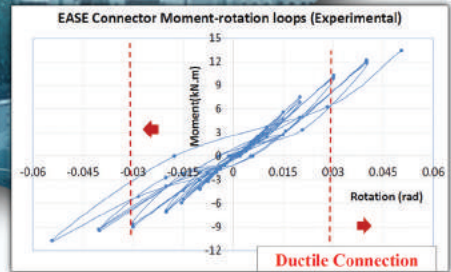




EASE

CONNECTORS FOR INDUSTRIALIZE BUILDING SYSTEM

(PI 2018000755)



PRODUCT FEATURES

The EASE Connector is invented as solution to beam-column connection problems faced in precast structure. Features of EASE Connector include;

- High strength and ductility to resists seismic loads.
- Architecturally hidden.
- Fast and economical from construction point of view.

NEEDS

- By 2018, 50% of construction project will involve precast structure.
- Demand for higher quality and safer precast system will increase.
- EASE Connector will be the solution for this need.

BENEFITS PER COST

- Increase in the safety of precast structures subjected to dynamic loads.
- Increase in the speed of construction of precast structures.
- Increase in the quality of precast connections.
- Decrease in the cost of precast structures.

APPROACH

- EASE Connector composed of 2 specimens; 1 connects to both ends of precast beams and another one to precast columns.
- U shape of EASE Connector transfer beam's support reactions directly to column's connector.
- Beam specimen can easily slide into the column specimen.
- Installation of EASE Connector did not required scaffolding.
- Uses rubber-based layer to increase damping and ductility levels.

COMPETITORS

- EASE Connector is a new connection for precast structure and has no similarity to existing system.
- The innovativeness of EASE Connector has been proven and patented as new product.

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