







Energy Dissipaters

Post tensioning tendons

Timber Rocking Walls



The worlds first post tensioned timber rocking shear wall building



- Design Team
- Structural Engineers: Aurecon New Zealand Ltd
- Architect: ISJ Architects Nelson
- Peer Reviewer:

Dunning Thornton – Wellington University of Canterbury













## **Key Design Innovations**

- 1. Multi-storey LVL gravity frames
- 2. Long span timber / concrete composite beams
- 3. Stressed skin floor panels
- 4. Post Tensioned Shear Walls

























Shearwall at Grid E (Floor connection)

















#### INFILL PANELS DETAILS - PLAN

scale 1:10











#### **Questions?**





