Significant Damage (SD) test

- PGA=0.324g
- No yielding outside links
- Moderate plastic def. in links (0.061 rad)
- Moderate cracks in slab

![Graph showing DDS vs time](image)
Beam to concrete-filled RHS column joints

- The RBS joint:
  - reduced beam section to alleviate stresses in the connection;
  - external diaphragm;
  - weld access hole not required;
  - shear tab bolted connection for erection only.

- The CP joint
  - external diaphragm;
  - cover plates reinforce the beam-column connection;
  - no weld preparations are necessary for cover plates;
  - shear tab bolted connection for erection only.