

Project Brief

- Remodeling of an existing office building, transforming roof plant enclosure into grade A office space
- **Planning condition driving steel reuse:**
Respect for the original architecture, reusing existing exposed connections

What that meant for us as engineers...

- Maximise steel reuse by maintaining grid spacing
- Minimise fabrication by reusing connections effectively
- Splice detailing – how to create efficient splice locations

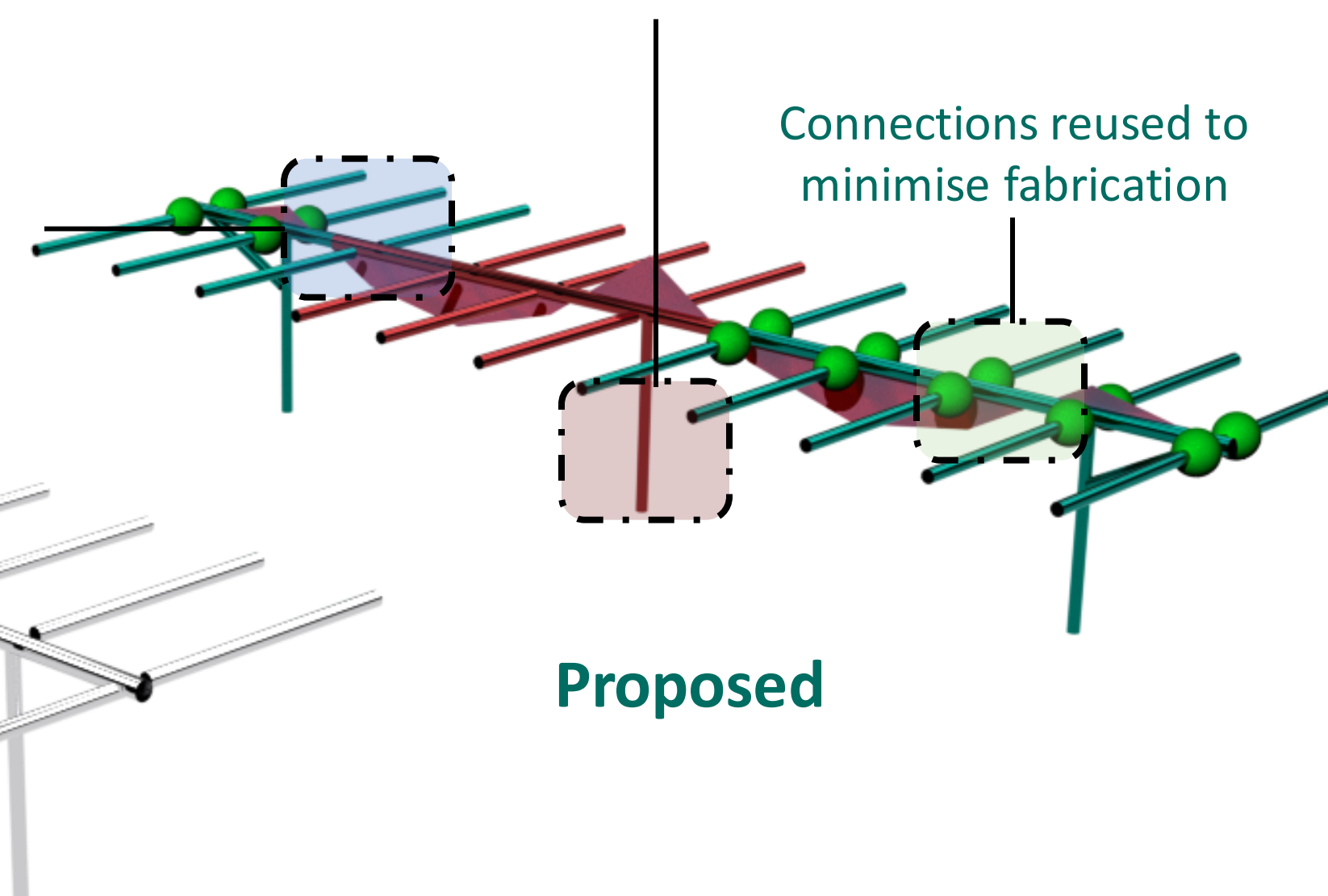
Bay Studies

Using bending moments in the proposed condition to define splice locations for efficient connections

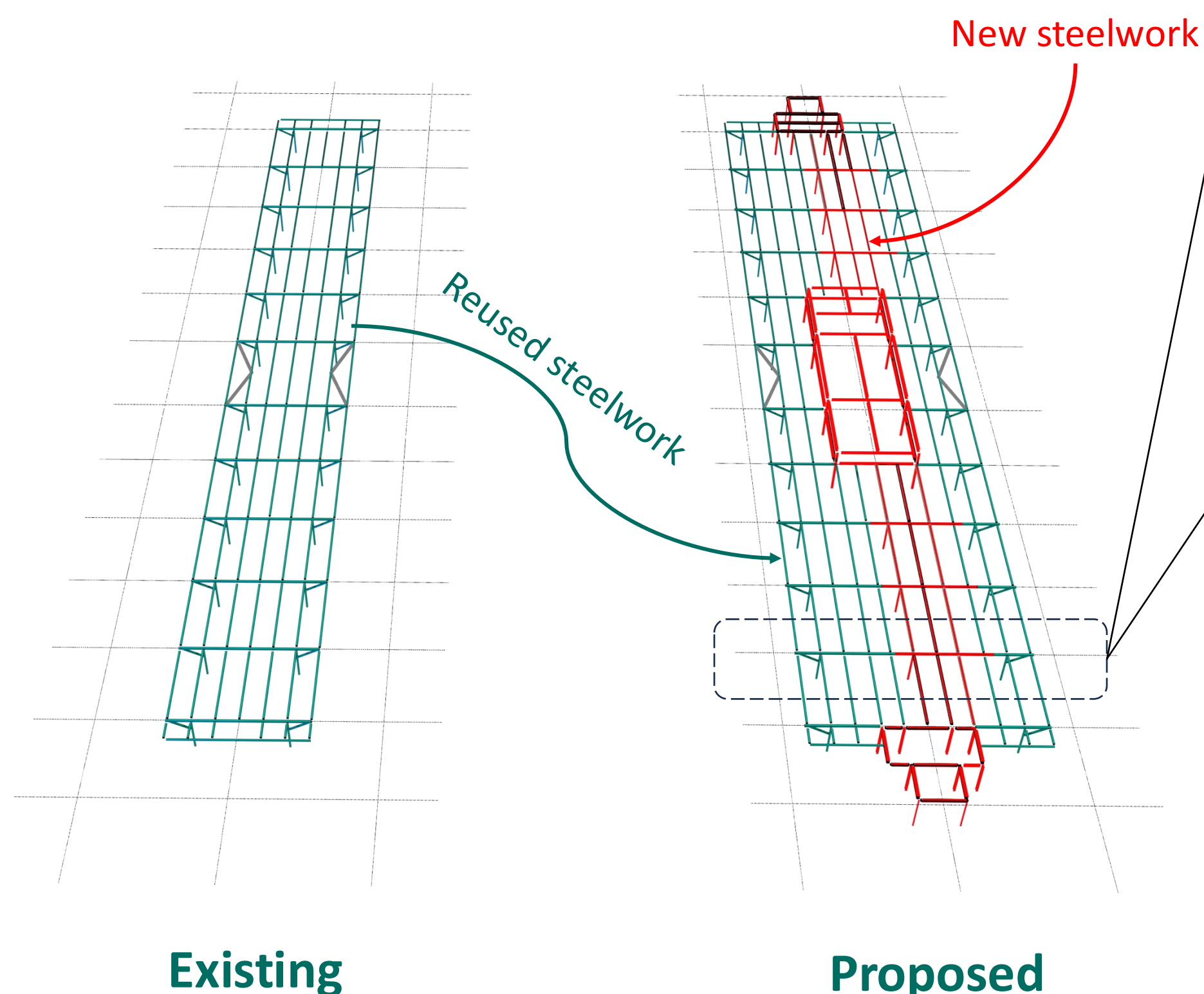


New steelwork to extend bays in the transverse direction

Connections reused to minimise fabrication



Transforming old to new



Devil in the detail....



Exposed soffit required a splice detail with minimum architectural impact

