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Why Bolt Caps





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Key structural considerations for a successful development

Optimised building layout

- Maximised clear story heights
- Column free space
- Integrated structure / services

Optimised construction programme

- Speed of construction
- Maximum use of off site fabrication processes

Cost effective structure

- Cost of structural elements
- Knock-on impact of structure on architecture /services





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Expression of structural form – external architecture

Use of intumescent externally can assist in the expression of structural form

- Integration of structure into the cladding zone
- Incorporation of diagonal structure into the facade



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Expression of structural form – internal architecture

- Exposed structure as an architecture feature
- Less dimensional impact (than clad alternative)

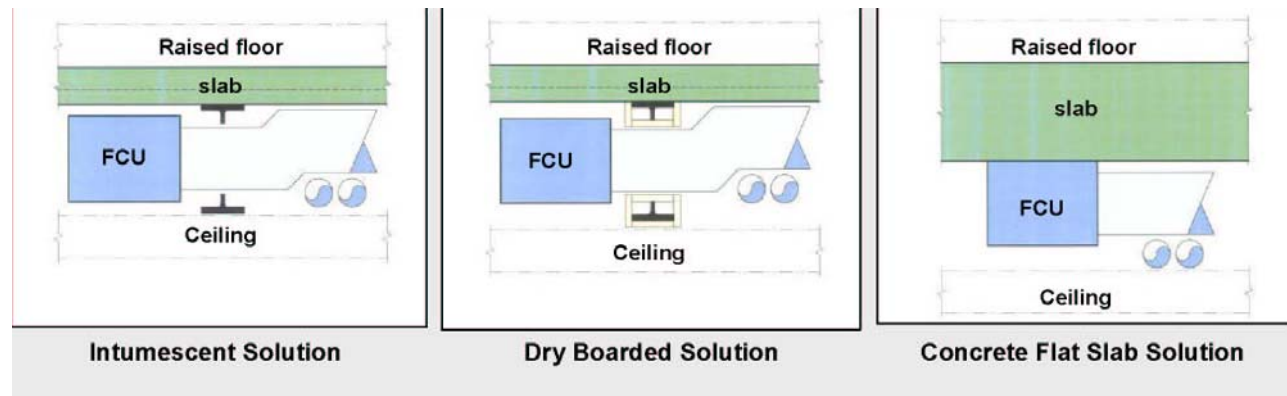


Thames Court Atrium Structure – Courtesy H.G.Esch



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A composite steel frame with intumescent fire protection is often preferred choice for most developments with a high degree of services coordination





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Bolt Caps complement the steel frame

- Effective **quality** protection
- Protection during heat up **and cool down** phases of a fire
- Potential to **reduce on-site wet trades** &
- **Reduce contamination of adjacent** areas
- **Faster** & easier bolted joint protection
- **Cleaner** surface
- **Visually attractive**





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Effective quality protection

- Manufactured in a quality environment
- Repeatable protection
- Quality corrosion proof gripping system



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Protection during heat up
and cool down

- The bolt cap retains integrity after a fire
- Hence provide protection during cooling
- Helps to eliminate brittle bolt failure caused by fire hoses





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The Bolt Cap

- Peace Of Mind
- Assured Protection
- Cost Effective

