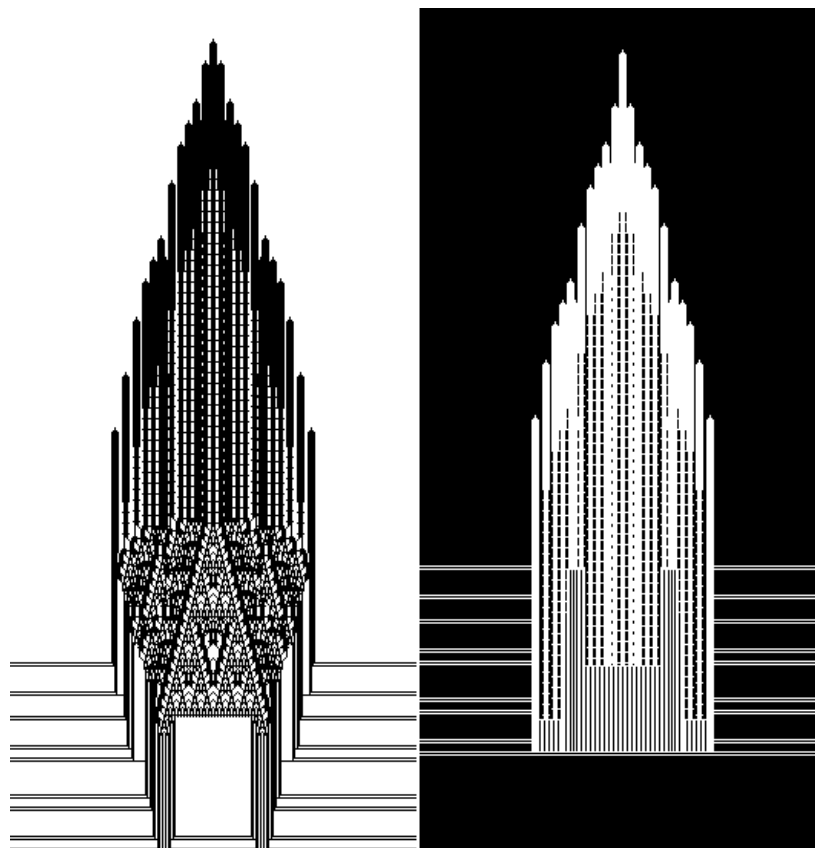




Technical course 3 - build a skyscraper

New theme: we are going to build a skyscraper starting from clearing the site to topping out, then once built - raze to the ground!



- Throughout the history of architecture, there has been a continual quest for height. Thousands of workers toiled on the pyramids of ancient Egypt, the cathedrals of Europe and countless other towers, all striving to create something awe inspiring. People build skyscrapers primarily because they are convenient - you can create a lot of net lettable out of a relatively small ground area. But ego, national pride, and grandeur do sometimes play a significant role in the scope of the construction, just as it did in earlier civilizations!
- Up until relatively recently, we could only go so high. After a certain point, it just was not feasible to keep building up. In the late 1800s, new technology in steel and concrete redefined these limits. Suddenly, it was possible to live and work in colossal towers, hundreds of feet above the ground. Now even 700 metres is possible.
- In this course, you will conceptually build a skyscraper.
- In addition, we will look at the innovations that made these incredible structures possible. We will examine how to build them, the main engineering, technical and architectural issues involved in designing, specifying, scoping, erecting and keeping skyscrapers up, as well as the design issues involved in making them practical. Finally, we shall peer into the future of skyscrapers to find out how high we might go.

Lectures at 8:30 am - 9:30 am, starting 24 January 2008 with:

1. How do you design a tall building - conceptual design, engineering the design or not! - Wednesday 24 January 2008
2. Groundwork stabilisation and preparing the skyscraper site - Wednesday 27 February 2008
3. Piling the tower base - Wednesday 26 March 2008
4. Superstructure design - i) frame in concrete - ii) frame in steelwork - Wednesday 28 May 2008
5. Mechanical & Electrical Services - Wednesday 25 June 2008
6. Curtain walling - clothing the beauty - Wednesday 24 September 2008
7. Sustainability - stock take - Wednesday 29 October 2008

8. *Build your own skyscraper - and test it to destruction* - Wednesday 11 February 2009 at 6 pm at the offices of Berwin Leighton Paisner LLP - Adelaide House, London Bridge, London EC4R 9HA

Times, venue, breakfast

- January to June then September to November
- Venue: Hosted by TeCSA Committee firms
- Light snack and wine/refreshments included

Please contact Simon Tolson's PA, Sharon Albright, at Fenwick Elliott LLP by email on: sallbright@fenwickelliott.co.uk for information or scan this page and send the PDF to her.

Please make your reservation by returning the attached tear-off slip



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To: Simon Tolson at Fenwick Elliott LLP Aldwych House 71-91 Aldwych London WC2B 4HN

1 Please reserve places @ £200 per place for the whole course¹ for the following delegates:

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Or

¹ Half price first year membership of TeCSA for qualifying applicants; please apply separately quoting details of this course booking.

2 Please reserve places @ £25.00 per place for members (£30 non members from member firms) for the following delegates on Lecture Number (*state number in programme*)

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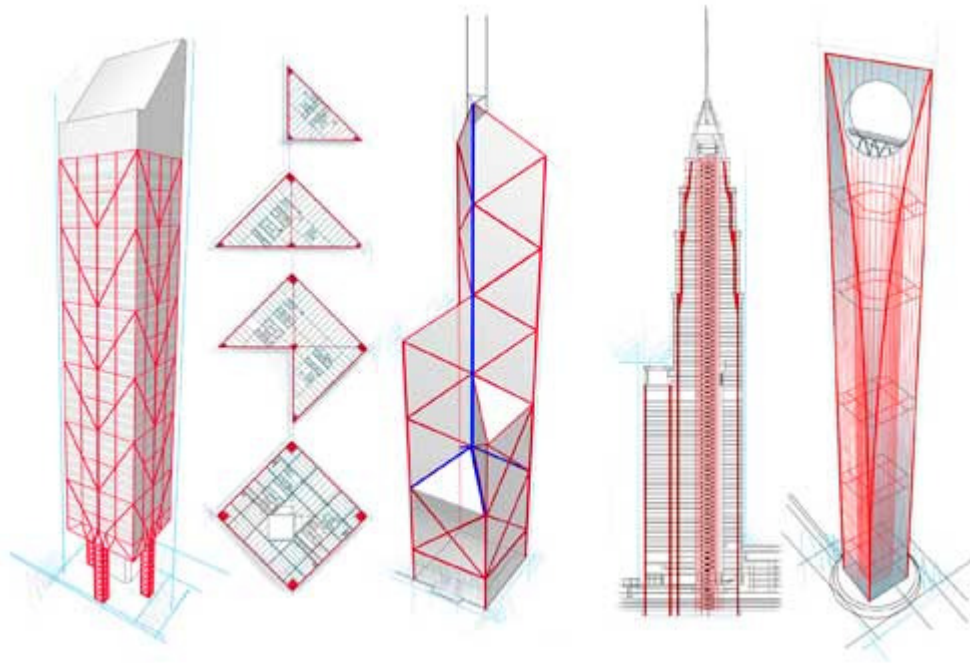
My cheque for £..... payable to "TeCSA" c/o Fenwick Elliott LLP is enclosed.

Signed:

(*Please print*)

Address
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Telephone



Place for notes: