### Modular Construction

Modular constructions are sectional prefabricated buildings, or houses, that consist of multiple sections called modules. The modules are six sided boxes constructed in a remote facility, then delivered to their intended site of use. Using a crane, the modules are set onto the building's foundation and joined together to make a single building. The modules can be placed side-by-side, end-to-end, or stacked, allowing a wide variety of configurations and styles in the building layout.

A Modular High-Rise

The developer of Atlantic Yards in Brooklyn is exploring plan what would be the tallest prefabricated steel structure in the 34-story apartment building. The "modules" could be built in and bolted together on-site, as in this hypothetical section:

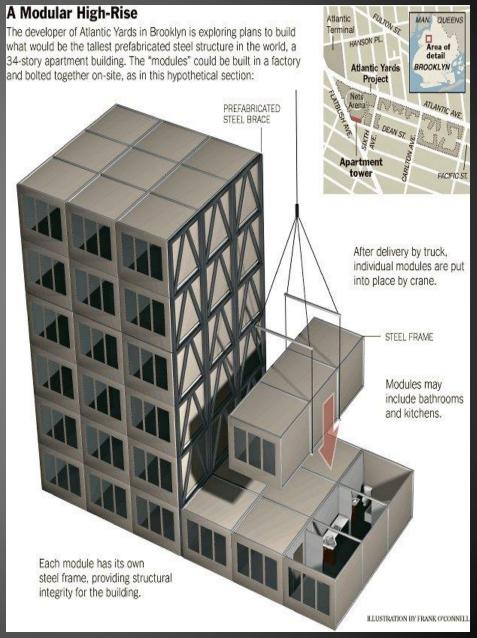
PREFABR STEEL BR

Modular construction...
is faster, less expensive,
allows for high levels of
quality control and
significantly reduces
waste and truck traffic.
It's also safer for workers
as construction is done
inside in controlled
environments.

 NYC Mayor Michael Bloomberg

- NYC Mayor Michael Bloomberg

**GNVIIONMENIS.** 



# Case Study 1: Raines Court

Raines Court is a multi-story modular housing block in Stoke Newington, London.

### **Project Details**

Completion: 2003 Cost: £8.9 Million

Clients: The Peabody Trust



An extended experiment into the potential for delivering high-quality housing through off-site construction methods, Raines Court stands as the first Housing Corporation funded modular housing scheme in the country. Three separate blocks — linked by a central circulation core — are arranged in a 'T' formation to address a road, a railway and a private landscaped courtyard.



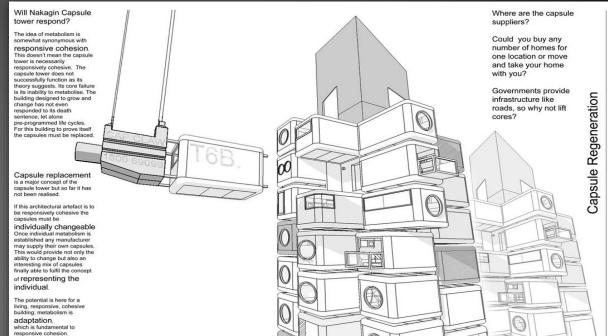


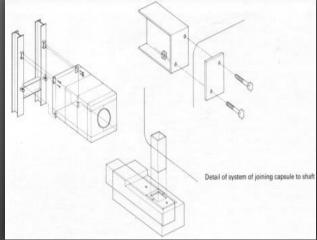


## Case Study 2: Nakagin Capsule Tower



The Nakagin Capsule Tower is a mixed-use residential and office tower designed by architect Kisho Kurokawa and located in Shimbashi, Tokyo, Japan.

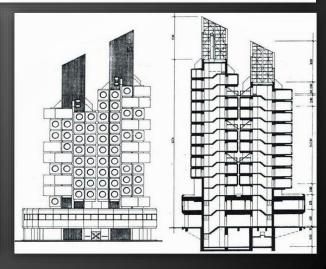




"True beauty lies in things that die,

- Kurokawa

things that change."



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Nakagin Capsule Tower, Tokyo